Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
THE STATE											
Male, 16 years old and over	**1 106 835**	**1 076 466**	**24 896**	**9 140**	**1 094 076**	**819 474**	**197 238**	**77 364**	**27 489**	**61 629**	**121 197**
Professional, technical, and kindred workers	**138 562**	**136 035**	**1 427**	**1 063**	**137 568**	**99 780**	**30 566**	**7 222**	**1 295**	**3 430**	**8 327**
Accountants	10 440	10 378	49	61	10 377	8 823	1 103	451	119	360	330
Architects	752	752	–	–	752	645	92	15	–	11	58
Computer specialists	3 196	3 164	20	20	3 180	2 753	302	125	6	12	69
Engineers	22 066	21 897	68	127	21 999	19 536	1 850	613	308	681	764
Aeronautical and astronautical	34	29	–	–	34	23	11	–	–	–	7
Civil	2 742	2 726	11	14	2 737	2 385	290	62	58	128	173
Electrical and electronic	4 492	4 420	39	23	4 476	3 958	355	163	65	134	143
Mechanical	4 149	4 129	6	32	4 132	3 662	376	94	75	135	168
Other engineers	10 649	10 593	12	58	10 620	9 508	818	294	110	284	273
Lawyers and judges	4 767	4 746	14	11	4 748	4 020	569	159	48	79	120
Life and physical scientists	2 787	2 719	32	48	2 768	2 313	357	98	63	77	94
Chemists	1 571	1 520	20	21	1 552	1 327	182	43	42	45	39
Physicians, dentists, and related practitioners	10 010	9 736	62	135	9 989	7 612	2 146	231	116	245	315
Dentists	1 912	1 912	–	6	1 902	968	882	52	52	75	40
Pharmacists	2 072	2 053	9	19	2 072	1 813	216	43	40	51	109
Physicians, medical and osteopathic	4 625	4 370	53	95	4 614	3 630	865	119	19	94	138
Other related practitioners	1 401	1 401	–	15	1 401	1 201	183	17	5	25	28
Health technologists and technicians	1 473	1 414	41	28	1 458	1 138	237	83	15	39	116
Religious workers	5 176	5 127	31	10	5 132	4 491	513	128	28	121	207
Social scientists	1 505	1 492	13	5	1 505	1 196	256	53	–	23	75
Social and recreation workers	2 782	2 600	172	37	2 756	1 990	511	255	22	100	783
Teachers	30 821	30 160	339	276	30 553	12 704	15 564	2 285	115	527	1 373
College and university	9 886	9 526	78	158	9 752	4 668	4 257	827	38	200	576
Elementary and prekindergarten	6 028	5 903	113	15	5 983	2 286	3 223	474	36	77	265
Secondary	13 376	13 226	125	66	13 296	4 911	7 552	833	34	203	365
Engineering and science technicians	15 667	15 471	121	87	15 583	12 753	2 081	749	123	334	1 244
Draftsmen and surveyors	7 387	7 343	25	46	7 345	6 041	956	348	65	158	584
Electrical and electronic engineering technicians	2 314	2 275	24	8	2 314	1 914	310	90	11	33	124
Technicians, except health, and engineering and science	1 819	1 810	4	–	1 809	1 483	248	78	5	47	110
Airplane pilots	509	509	–	–	509	444	54	11	5	14	20
Writers, artists, and entertainers	9 320	9 179	92	67	9 237	6 755	1 666	816	113	252	1 071
Other professional, technical, and kindred workers	15 981	15 390	369	151	15 722	11 568	3 071	1 083	214	522	1 598
Managers and administrators, except farm	**108 049**	**107 265**	**608**	**426**	**107 686**	**95 302**	**10 316**	**2 068**	**2 457**	**4 964**	**4 904**
Buyers, purchasing agents, and sales managers	13 644	13 625	15	44	13 627	12 361	1 074	192	190	364	433
School administrators	3 468	3 425	43	7	3 454	2 090	1 301	63	20	92	65
Specified managers and administrators, public administration	6 031	5 979	47	12	6 010	5 510	357	143	206	389	497
Other specified managers and administrators	18 727	18 488	182	86	18 628	15 971	2 149	508	665	1 016	1 330
Managers and administrators, n.e.c., salaried	50 473	50 135	253	215	50 345	45 919	3 634	792	864	1 932	1 665
Manufacturing	16 190	16 116	48	56	16 166	15 248	774	144	290	677	468
Wholesale and retail trade	17 080	16 973	86	72	17 021	15 449	1 224	348	214	472	436
Transportation, communications, and other public utilities	4 113	4 086	21	15	4 106	3 763	294	49	150	307	152
All other industries	13 090	12 960	98	72	13 052	11 459	1 342	251	210	476	609
Managers and administrators, n.e.c., self-employed	15 706	15 613	68	62	15 622	13 451	1 801	370	512	1 171	914
Construction	2 408	2 401	7	17	2 403	1 732	584	87	67	147	168
Manufacturing	1 293	1 293	–	–	1 293	1 136	137	20	34	120	83
Wholesale and retail trade	8 866	8 817	41	45	8 821	7 978	690	153	305	572	336
All other industries	3 139	3 102	20	–	3 105	2 605	390	110	106	332	327
Sales workers	**63 038**	**62 528**	**451**	**347**	**62 426**	**48 857**	**9 514**	**4 055**	**1 025**	**2 542**	**4 921**
Insurance agents, brokers, and underwriters	8 532	8 458	70	36	8 496	7 115	1 089	292	119	314	224
Real estate agents and brokers	2 949	2 919	30	5	2 937	2 379	462	96	39	128	83
Sales representatives, manufacturing industries	8 577	8 529	42	38	8 546	7 393	1 017	136	88	252	319
Sales representatives, wholesale trade	11 188	11 163	10	76	11 168	9 642	1 256	270	183	285	471
Sales clerks, retail trade	14 141	14 011	119	97	14 015	9 172	2 871	1 972	285	669	1 967
Salesmen, retail trade	7 279	7 229	40	23	7 182	5 870	1 028	284	132	249	352
Salesmen of services and construction	2 934	2 913	21	37	2 901	2 259	458	184	36	115	275
Other sales workers	7 438	7 306	119	35	7 181	5 027	1 333	821	143	530	1 230
Clerical and kindred workers	**66 576**	**65 126**	**1 232**	**537**	**65 919**	**51 089**	**9 539**	**5 291**	**1 899**	**3 855**	**7 231**
Bank tellers and cashiers	1 760	1 717	28	–	1 720	1 063	334	323	37	151	382
Bookkeepers and billing clerks	4 593	4 541	39	8	4 542	3 658	587	297	147	270	409
Mail handlers and postal clerks	9 675	9 422	232	82	9 653	8 394	829	430	264	505	539
Other clerical and kindred workers	50 548	49 446	933	447	50 004	37 974	7 789	4 241	1 451	2 929	5 901
Craftsmen and kindred workers	**227 152**	**222 060**	**4 148**	**1 643**	**225 486**	**173 333**	**42 761**	**9 392**	**6 824**	**14 065**	**17 742**
Apparel craftsmen and upholsterers	1 000	971	25	39	991	696	236	59	41	134	90
Bakers	1 697	1 659	34	10	1 685	1 297	250	138	63	113	190
Cabinetmakers	1 373	1 366	3	13	1 342	990	266	86	49	89	99
Construction craftsmen	59 929	59 110	527	300	59 520	37 247	18 583	3 690	1 946	4 073	6 959
Carpenters	19 096	18 968	71	30	18 938	10 888	6 517	1 533	744	1 629	2 905
Excavating, grading, and road machine operators	6 628	6 468	98	30	6 603	4 020	2 216	367	127	277	654
Electricians	9 705	9 592	67	55	9 673	7 796	1 604	273	210	459	354
Masons and tile setters	4 767	4 711	40	18	4 742	2 161	2 344	237	142	325	478
Painters, construction and maintenance, and paperhangers	6 209	6 038	142	74	6 101	3 188	2 166	747	317	750	1 617
Plasterers and cement finishers	1 810	1 703	81	44	1 810	822	926	62	105	109	198
Plumbers and pipe fitters	8 398	8 350	28	18	8 385	6 588	1 591	206	226	394	414
Other construction craftsmen	3 316	3 280	–	31	3 268	1 784	1 219	265	75	130	339
Foremen, n.e.c.	34 096	33 659	277	209	34 009	30 611	3 033	365	1 078	2 179	1 463
Manufacturing	23 000	22 670	224	138	22 949	21 081	1 683	185	774	1 396	933
Nonmanufacturing industries	11 096	10 989	53	71	11 060	9 530	1 350	180	304	783	530
Linemen and servicemen, telephone and power	7 126	7 031	85	47	7 108	6 098	791	219	123	207	333
Locomotive engineers and firemen	1 502	1 487	15	16	1 494	1 119	318	57	132	188	109
Mechanics and repairmen	47 089	46 385	578	293	46 744	37 734	7 070	1 940	802	2 019	2 358
Air conditioning, heating, and refrigeration	1 719	1 712	7	8	1 711	1 413	236	62	14	67	130
Aircraft	483	476	2	6	483	403	38	42	19	5	5
Automobile, including body	19 531	19 182	289	114	19 373	15 356	3 157	860	295	678	847
Radio and television	2 281	2 256	18	16	2 263	1 856	287	120	20	73	145
Other mechanics and repairmen	23 075	22 759	262	149	22 914	18 706	3 352	856	454	1 196	1 231
Metal craftsmen, except mechanics	35 517	34 197	1 158	448	35 316	28 828	5 442	1 046	1 189	2 310	1 546
Machinists and job and die setters	16 416	15 857	480	213	16 320	13 562	2 255	503	459	1 043	700
Sheetmetal workers and tinsmiths	3 783	3 755	18	39	3 776	2 916	783	77	108	190	167
Tool and die makers	5 862	5 798	54	16	5 824	4 953	752	119	206	368	169
Other metal craftsmen	9 456	8 787	606	180	9 396	7 397	1 652	347	416	709	510
Printing craftsmen	8 614	8 508	83	49	8 560	7 125	1 167	268	141	391	353
Compositors and typesetters	3 077	3 046	27	9	3 068	2 626	365	77	59	142	169
Pressmen and plate printers, printing	3 705	3 640	51	25	3 665	2 981	553	131	47	168	139
Stationary engineers and power station operators	3 890	3 825	59	12	3 876	3 352	425	99	153	327	127
Other craftsmen and kindred workers	25 319	23 862	1 304	207	24 841	18 236	5 180	1 425	1 107	2 035	4 115

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
THE STATE—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**192 321**	**182 108**	**8 925**	**3 073**	**189 876**	**136 057**	**39 360**	**14 459**	**5 139**	**11 085**	**19 824**
Assemblers	21 590	20 734	747	331	21 356	13 984	5 986	1 386	474	1 237	1 786
Checkers, examiners, and inspectors; manufacturing	10 800	10 495	260	124	10 726	8 591	1 776	359	295	801	686
Garage workers and gas station attendants	9 515	9 371	118	40	9 137	3 605	2 712	2 820	102	357	2 046
Laundry and drycleaning operatives, n.e.c	1 109	1 034	50	13	1 087	793	171	123	28	89	187
Meat cutters and butchers	6 787	6 552	231	58	6 743	5 442	1 013	288	162	361	515
Mine operatives, n.e.c	648	615	10	–	642	415	183	44	31	95	74
Packers and wrappers, except produce	5 141	4 944	146	149	5 038	3 164	1 131	743	164	322	973
Painters, manufactured articles	2 857	2 711	136	72	2 820	2 018	647	155	81	157	252
Precision machine operatives	16 033	15 153	785	374	15 865	11 976	3 177	712	409	914	1 042
Sawyers	2 605	2 542	21	11	2 582	1 737	602	243	97	211	316
Stationary firemen	2 950	2 860	60	53	2 926	2 515	339	72	236	251	213
Textile operatives	872	822	45	18	856	623	178	55	65	60	123
Welders and flamecutters	16 436	15 084	1 175	270	16 353	12 090	3 517	746	230	753	760
Other metalworking operatives	10 530	9 766	741	235	10 419	7 475	2 298	646	303	680	930
Other specified operatives	25 110	22 915	1 910	201	24 485	16 936	5 532	2 017	853	1 547	3 782
Miscellaneous and not specified operatives	59 338	56 510	2 490	1 124	58 841	44 693	10 098	4 050	1 609	3 250	6 139
Occupation:											
Machine operatives, miscellaneous specified	26 794	25 686	976	505	26 609	20 821	4 020	1 768	780	1 442	2 475
Machine operatives, not specified	13 133	12 371	671	298	13 034	9 917	2 416	701	323	640	954
Miscellaneous operatives	11 220	10 564	582	207	11 106	7 798	2 184	1 124	226	677	1 520
Not specified operatives	8 191	7 889	261	114	8 092	6 157	1 478	457	280	491	1 190
Industry:											
Manufacturing	52 513	50 018	2 190	1 049	52 106	40 068	8 711	3 327	1 395	2 865	5 070
Durable goods	26 542	24 771	1 580	617	26 324	19 683	4 918	1 723	733	1 522	2 503
Wood products, including furniture	2 719	2 681	15	7	2 664	1 939	504	221	163	196	411
Primary metal industries	4 394	3 900	460	306	4 356	3 284	815	257	112	253	389
Fabricated metal industries	3 636	3 498	126	79	3 603	2 663	622	318	67	150	354
Machinery, including electrical	10 033	9 394	568	148	9 973	7 755	1 677	541	227	583	747
Motor vehicles and equipment	1 907	1 619	275	39	1 885	1 170	613	102	74	157	134
Transportation equipment, except motor vehicles	595	573	22	–	592	378	167	47	15	19	66
Other durable goods	3 258	3 106	114	38	3 251	2 494	520	237	75	164	402
Nondurable goods	25 653	24 963	576	423	25 464	20 120	3 752	1 592	650	1 318	2 502
Food and kindred products	8 326	8 159	147	93	8 266	6 076	1 462	728	288	496	1 187
Apparel and other fabricated textile products	149	143	6	6	143	98	24	21	–	4	21
Paper and allied products	10 678	10 538	74	94	10 631	8 988	1 240	403	233	456	671
Chemicals and allied products	1 389	1 358	24	43	1 373	1 195	146	32	–	60	140
Other nondurable goods	5 111	4 765	325	187	5 051	3 763	880	408	129	302	483
Not specified manufacturing industries	318	284	34	9	318	265	41	12	12	25	65
Nonmanufacturing industries	6 825	6 492	300	75	6 735	4 625	1 387	723	214	385	1 069
Transportation, communications, and other public utilities	1 283	1 241	30	6	1 279	997	206	76	73	123	134
Wholesale and retail trade	3 127	2 910	201	55	3 089	2 135	582	372	112	142	544
All other industries	2 415	2 341	69	14	2 367	1 493	599	275	29	120	391
Transport equipment operatives	**64 636**	**62 878**	**1 479**	**475**	**63 989**	**46 366**	**13 861**	**3 762**	**1 118**	**2 821**	**5 973**
Bus drivers	3 487	3 411	76	12	3 470	2 339	928	203	84	158	161
Taxicab drivers and chauffeurs	1 812	1 705	93	7	1 798	1 086	559	153	54	162	299
Truck drivers and deliverymen	47 153	46 258	733	265	46 732	34 232	9 813	2 687	801	2 029	3 902
Other transport equipment operatives	12 184	11 504	577	191	11 989	8 709	2 561	719	179	472	1 611
Laborers, except farm	**70 071**	**65 615**	**3 832**	**713**	**68 451**	**37 269**	**18 463**	**12 719**	**2 118**	**5 432**	**22 249**
Construction laborers	12 166	11 595	444	37	12 064	5 709	4 655	1 700	400	840	3 785
Freight, stock, and material handlers	26 008	24 890	928	172	25 423	14 147	6 024	5 252	341	1 332	6 065
Other specified laborers	15 028	13 682	1 158	113	14 476	7 814	3 710	2 952	617	1 815	7 653
Miscellaneous and not specified laborers	16 869	15 448	1 302	391	16 488	9 599	4 074	2 815	760	1 445	4 746
Occupation:											
Miscellaneous laborers	4 485	3 868	581	122	4 408	2 834	982	592	307	443	931
Not specified laborers	12 384	11 580	721	269	12 080	6 765	3 092	2 223	453	1 002	3 815
Industry:											
Manufacturing	10 706	9 632	1 005	317	10 497	6 509	2 570	1 418	347	724	2 313
Durable goods	7 004	6 083	886	242	6 857	4 193	1 783	881	187	465	1 227
Wood products, including furniture	833	813	–	–	803	433	237	133	34	103	151
Metal industries	2 520	2 082	428	171	2 466	1 563	591	312	32	153	436
Machinery, including electrical	2 120	1 859	261	53	2 085	1 359	476	250	76	124	328
Transportation equipment	773	619	154	8	765	383	307	75	34	54	118
Other durable goods	758	710	43	10	738	455	172	111	11	31	194
Nondurable goods	3 684	3 531	119	75	3 622	2 308	787	527	154	245	1 078
Food and kindred products	1 766	1 711	43	27	1 730	1 077	370	283	86	103	565
Not specified manufacturing industries	18	18	–	–	18	8	–	10	6	14	8
Nonmanufacturing industries	6 163	5 816	297	74	5 991	3 090	1 504	1 397	413	721	2 433
Railroads and railway express service	765	720	41	23	745	499	158	88	133	176	238
Transportation, except railroads	274	258	6	–	274	127	98	49	23	29	97
Communications, and utilities and sanitary services	827	758	69	5	812	582	133	97	45	67	198
Wholesale and retail trade	2 222	2 116	92	31	2 148	990	584	574	88	128	679
All other industries	2 075	1 964	89	15	2 012	892	531	589	124	321	1 221
Farmers and farm managers	**68 776**	**68 584**	**156**	**26**	**68 222**	**64 051**	**2 866**	**1 305**	**2 516**	**4 867**	**4 742**
Farm laborers and farm foremen	**21 736**	**21 557**	**87**	**159**	**20 932**	**14 066**	**3 225**	**3 641**	**606**	**1 790**	**7 368**
Paid farm laborers and farm foremen	16 925	16 757	80	159	16 517	10 740	2 701	3 076	485	1 512	5 997
Unpaid family workers	4 811	4 800	7	–	4 415	3 326	524	565	121	278	1 371
Service workers, except private household[1]	**85 348**	**82 213**	**2 500**	**653**	**83 166**	**53 154**	**16 689**	**13 323**	**2 465**	**6 663**	**17 764**
Cleaning service workers	29 360	28 302	830	281	28 703	18 672	5 992	4 039	1 212	3 022	5 870
Food service workers	22 840	22 095	488	171	21 895	10 071	5 664	6 160	406	1 448	6 118
Cooks, except private household	6 019	5 767	119	65	5 787	2 614	1 607	1 566	109	324	1 471
Busboys and dishwashers	5 048	4 834	174	50	4 604	697	1 383	2 524	64	290	2 300
Health service workers	3 432	3 210	200	18	3 396	2 211	693	492	59	273	534
Personal service workers	6 885	6 581	263	72	6 731	4 201	1 441	1 089	183	538	2 523
Protective service workers	17 325	17 099	197	74	17 272	14 787	1 739	746	367	993	1 083
Firemen, fire protection	3 492	3 479	9	7	3 487	3 313	163	11	24	84	93
Guards and watchmen	5 007	4 887	113	22	4 973	3 621	833	519	229	634	663
Policemen and detectives	7 478	7 399	71	45	7 478	6 822	526	130	81	150	208
Private household workers	**384**	**332**	**35**	**11**	**355**	**150**	**78**	**127**	**27**	**115**	**152**
Unemployed persons, last worked 1959 or earlier[2]	**186**	**165**	**16**	**14**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
THE STATE—Continued											
Female, 16 years old and over	**662 413**	**639 277**	**19 645**	**4 542**	**633 756**	**334 454**	**185 271**	**114 031**	**58 226**	**142 080**	**179 457**
Professional, technical, and kindred workers	**98 742**	**96 295**	**1 825**	**552**	**95 990**	**36 283**	**44 542**	**15 165**	**6 330**	**15 301**	**20 142**
Accountants	4 061	4 003	39	22	3 941	2 846	633	462	244	588	547
Computer specialists	636	624	3	22	631	465	131	35	26	92	126
Librarians	2 255	2 200	42	8	2 194	779	1 059	356	134	304	427
Mathematical specialists	155	155	–	–	155	103	27	25	19	63	24
Life and physical scientists	419	396	9	7	412	298	38	76	22	77	57
Registered nurses, dietitians, and therapists	20 130	19 838	222	111	19 659	11 464	5 378	2 817	1 392	3 016	2 702
Dietitians	1 223	1 141	64	6	1 190	722	287	181	82	126	231
Registered nurses	17 283	17 100	139	99	16 913	9 984	4 548	2 381	1 211	2 610	2 268
Health technologists and technicians	5 204	5 029	131	14	5 114	3 054	1 312	748	322	789	752
Social scientists	292	277	3	–	282	106	119	57	20	49	74
Social and recreation workers	2 821	2 543	263	21	2 718	1 528	642	548	129	530	1 403
Teachers: College and university	4 245	4 108	56	30	4 108	1 020	2 308	780	121	456	738
Elementary and prekindergarten	29 059	28 441	520	165	28 464	4 105	19 897	4 462	2 103	4 841	6 132
Secondary	10 342	10 169	149	23	10 187	1 459	7 104	1 624	563	1 551	2 231
Other teachers	2 789	2 759	16	27	2 739	854	1 289	596	95	354	615
Engineering and science technicians	2 190	2 115	53	32	2 124	1 330	533	261	160	400	545
Technicians, except health, and engineering and science	355	338	5	8	335	209	87	39	20	36	26
Writers, artists, and entertainers	4 434	4 389	15	14	4 330	2 115	1 275	940	290	703	1 297
Actors and dancers	114	110	–	–	114	37	40	37	–	49	86
Authors, editors, and reporters	1 179	1 168	5	–	1 159	683	245	231	154	166	230
Other professional, technical, and kindred workers	9 355	8 911	299	48	8 597	4 548	2 710	1 339	670	1 452	2 446
Managers and administrators, except farm	**19 658**	**19 479**	**134**	**103**	**19 239**	**14 450**	**3 514**	**1 275**	**1 243**	**3 246**	**3 338**
Buyers, purchasing agents, and sales managers	2 276	2 276	–	24	2 263	1 808	346	109	172	363	233
Restaurant, cafeteria, and bar managers	2 624	2 603	12	7	2 573	1 797	564	212	172	505	494
School administrators	1 032	994	38	6	1 027	383	598	46	75	107	135
Other specified managers and administrators	4 654	4 615	27	38	4 452	3 454	638	360	321	788	1 121
Managers and administrators, n.e.c., salaried	6 347	6 286	42	17	6 268	4 929	988	351	312	939	850
Wholesale and retail trade	2 374	2 355	11	6	2 330	1 855	368	107	147	382	303
Managers and administrators, n.e.c., self-employed	2 725	2 705	15	11	2 656	2 079	380	197	191	544	505
Wholesale and retail trade	1 663	1 648	10	11	1 613	1 269	233	111	130	292	231
Sales workers	**51 218**	**50 578**	**524**	**204**	**48 777**	**23 359**	**13 645**	**11 773**	**4 886**	**13 135**	**17 753**
Demonstrators, hucksters, and peddlers	3 694	3 654	18	21	3 247	1 062	940	1 245	237	1 212	1 647
Insurance, real estate agents, and brokers	1 617	1 581	36	11	1 586	1 019	392	175	78	260	347
Sales clerks, retail trade	37 475	37 121	260	123	36 235	17 386	10 166	8 683	3 879	9 950	12 207
Salesmen, retail trade	1 333	1 313	20	–	1 252	656	348	248	137	233	408
Other sales workers	7 099	6 909	190	49	6 457	3 236	1 799	1 422	555	1 480	3 144
Clerical and kindred workers	**207 257**	**202 423**	**4 114**	**1 190**	**200 182**	**122 474**	**46 295**	**31 413**	**21 352**	**44 523**	**48 853**
Bank tellers	4 161	4 100	51	24	4 056	2 728	811	517	370	933	784
Bookkeepers	24 657	24 469	131	92	24 224	17 737	4 272	2 215	2 330	4 375	4 217
Cashiers	16 101	15 850	221	63	15 486	7 494	4 263	3 729	1 292	3 354	4 710
Counter clerks, except food	2 741	2 680	61	15	2 648	1 450	670	528	275	623	810
Enumerators and interviewers	937	917	15	–	577	142	90	345	195	281	489
File clerks	4 333	4 145	148	43	4 095	1 817	1 074	1 204	648	1 254	1 643
Office machine operators	9 185	8 735	395	71	8 949	5 387	2 214	1 348	1 112	2 216	1 705
Bookkeeping and billing machine operators	1 278	1 244	34	20	1 248	804	284	160	160	274	213
Keypunch operators	5 823	5 485	306	44	5 675	3 288	1 526	861	624	1 336	1 069
Payroll and timekeeping clerks	2 471	2 446	16	–	2 394	1 818	389	187	232	477	298
Receptionists	7 163	7 055	82	53	6 890	3 696	1 781	1 413	712	1 809	1 932
Secretaries	47 348	46 826	397	238	46 308	31 016	10 315	4 977	4 417	9 824	8 766
Stenographers	3 696	3 669	17	6	3 648	2 608	609	431	702	989	480
Telephone operators	6 047	5 815	228	22	5 775	3 509	1 313	953	1 098	1 700	1 407
Typists	16 838	16 291	441	90	16 309	9 016	4 180	3 113	2 338	4 336	4 619
Other clerical and kindred workers	61 579	59 425	1 911	473	58 823	34 056	14 314	10 453	5 631	12 352	16 993
Craftsmen and kindred workers	**12 426**	**11 979**	**368**	**81**	**12 066**	**7 637**	**3 046**	**1 383**	**1 018**	**2 529**	**2 469**
Foremen, n.e.c	2 512	2 444	53	–	2 483	2 021	331	131	168	441	264
Operatives, except transport	**94 777**	**89 179**	**4 740**	**1 203**	**91 140**	**50 310**	**26 337**	**14 493**	**10 029**	**26 444**	**30 379**
Assemblers	16 741	15 978	625	252	16 199	8 716	5 153	2 330	1 535	4 243	4 392
Bottling and canning operatives	442	426	8	–	410	192	98	120	112	306	616
Checkers, examiners, and inspectors; manufacturing	7 560	7 231	264	59	7 394	4 456	2 051	887	670	2 001	2 182
Dressmakers and seamstresses, except factory	1 939	1 880	46	11	1 906	921	645	340	217	539	515
Laundry and drycleaning operatives, including ironers	5 332	4 671	578	52	5 126	3 019	1 336	771	646	1 174	1 319
Graders and sorters, manufacturing	870	850	13	–	852	458	206	188	304	724	923
Packers and wrappers, except produce	9 911	9 432	418	131	9 564	5 056	2 607	1 901	1 129	3 065	3 738
Sewers and stitchers	8 509	8 077	278	132	8 164	4 338	2 611	1 215	1 298	2 637	2 011
Textile operatives	1 623	1 568	36	25	1 551	829	459	263	170	437	375
Other specified operatives	19 443	17 923	1 394	190	18 275	10 527	5 009	2 739	2 048	4 953	7 110
Miscellaneous and not specified operatives	22 407	21 143	1 080	351	21 699	11 798	6 162	3 739	1 900	6 365	7 198
Manufacturing	19 966	18 869	926	326	19 377	10 640	5 534	3 203	1 647	5 586	6 246
Durable goods	11 070	10 472	519	211	10 824	6 159	3 278	1 387	621	2 680	2 613
Machinery, including electrical	4 627	4 279	321	80	4 526	2 718	1 254	554	270	1 142	971
Other durable goods	6 443	6 193	198	131	6 298	3 441	2 024	833	351	1 538	1 642
Nondurable goods, including not specified manufacturing	8 896	8 397	407	115	8 553	4 481	2 256	1 816	1 026	2 906	3 633
Food and kindred products	1 738	1 684	37	13	1 646	698	452	496	398	988	1 874
Apparel and other fabricated textile products	503	481	13	9	494	219	161	114	50	166	141
Nonmanufacturing industries	2 441	2 274	154	25	2 322	1 158	628	536	253	779	952
Transport equipment operatives	**3 117**	**3 010**	**86**	**6**	**2 975**	**851**	**1 440**	**684**	**57**	**280**	**693**
Laborers, except farm	**9 192**	**8 762**	**381**	**117**	**8 772**	**4 364**	**2 401**	**2 007**	**719**	**2 119**	**3 505**
Farmers and farm managers	**4 953**	**4 890**	**59**	**–**	**4 708**	**4 289**	**279**	**140**	**212**	**521**	**914**
Farm laborers and farm foremen	**8 895**	**8 799**	**63**	**52**	**8 232**	**6 448**	**875**	**909**	**454**	**1 508**	**3 835**
Paid farm laborers and farm foremen	2 268	2 194	59	52	2 131	1 056	456	619	265	1 066	2 167
Unpaid family workers	6 627	6 605	4	–	6 101	5 392	419	290	189	442	1 668
Service workers, except private household[1]	**134 779**	**127 784**	**6 183**	**949**	**126 773**	**58 585**	**38 474**	**29 714**	**10 097**	**28 306**	**41 471**
Cleaning service workers	17 368	15 905	1 329	211	16 516	9 132	3 977	3 407	1 363	4 078	4 727
Chambermaids and maids	4 340	3 955	348	70	4 096	2 080	1 061	955	331	1 256	1 820
Food service workers	58 324	56 861	1 171	235	54 978	21 033	18 938	15 007	4 524	13 446	20 796
Cooks, except private household	14 675	14 136	439	55	14 208	6 030	5 887	2 291	1 298	3 369	3 570
Waiters and food counter workers	28 091	27 694	276	131	26 186	8 625	8 689	8 872	2 232	7 138	13 090
Health service workers	33 896	31 408	2 312	297	32 283	17 437	8 523	6 323	2 032	5 719	7 122
Nursing aides, orderlies, and attendants	23 726	21 699	1 922	244	22 516	11 885	6 045	4 586	1 353	4 017	5 238
Practical nurses	4 704	4 478	206	29	4 551	2 638	1 188	725	306	839	751
Personal service workers	13 773	13 291	384	105	13 142	6 529	3 808	2 805	1 161	3 210	4 094
Hairdressers and cosmetologists	7 915	7 750	109	57	7 634	4 418	1 975	1 241	801	1 904	1 629
Private household workers	**16 359**	**15 091**	**1 136**	**80**	**14 902**	**5 404**	**4 423**	**5 075**	**1 829**	**4 168**	**6 105**
Private household workers, living in	1 283	1 254	16	17	1 245	872	225	148	12	51	47
Private household workers, living out	15 076	13 837	1 120	63	13 657	4 532	4 198	4 927	1 817	4 117	6 058
Unemployed persons, last worked 1959 or earlier[2]	**1 040**	**1 008**	**32**	**5**	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
APPLETON–OSHKOSH SMSA											
Male, 16 years old and over	**68 354**	**67 886**	**58**	**237**	**67 714**	**51 484**	**11 544**	**4 686**	**1 350**	**3 315**	**8 036**
Professional, technical, and kindred workers	**8 123**	**8 073**	**5**	**31**	**8 083**	**5 783**	**1 922**	**378**	**99**	**158**	**570**
Accountants	607	602	5	–	607	530	57	20	10	24	17
Architects	28	28	–	–	28	24	4	–	–	–	–
Computer specialists	212	208	–	–	212	195	13	4	–	–	11
Engineers	1 289	1 285	–	5	1 280	1 176	80	24	27	25	66
Aeronautical and astronautical	3	3	–	–	3	3	–	–	–	–	–
Civil	147	147	–	–	147	131	12	4	–	11	–
Electrical and electronic	109	109	–	–	109	100	4	5	5	5	6
Mechanical	278	278	–	5	278	267	5	6	5	4	11
Other engineers	752	748	–	–	743	675	59	9	17	5	49
Lawyers and judges	173	173	–	–	173	156	17	–	–	–	–
Life and physical scientists	190	190	–	–	190	163	27	–	13	5	11
Chemists	146	146	–	–	146	135	11	–	13	5	6
Physicians, dentists, and related practitioners	551	545	–	–	551	418	133	–	4	14	20
Dentists	121	121	–	–	121	60	61	–	4	5	–
Pharmacists	95	95	–	–	95	82	13	–	–	–	15
Physicians, medical and osteopathic	241	235	–	–	241	192	49	–	–	–	5
Other related practitioners	94	94	–	–	94	84	10	–	–	9	–
Health technologists and technicians	84	84	–	6	84	77	7	–	–	5	–
Religious workers	254	254	–	–	248	216	27	5	–	8	15
Social scientists	120	120	–	–	120	84	22	14	–	–	–
Social and recreation workers	157	157	–	–	157	112	42	3	–	–	62
Teachers	1 861	1 830	–	13	1 855	660	1 079	116	7	33	79
College and university	670	639	–	9	664	273	356	35	7	–	27
Elementary and prekindergarten	308	308	–	–	308	111	168	29	–	–	13
Secondary	822	822	–	–	822	243	533	46	–	26	29
Engineering and science technicians	972	972	–	7	968	767	155	46	5	26	86
Draftsmen and surveyors	384	384	–	–	384	315	55	14	–	12	16
Electrical and electronic engineering technicians	91	91	–	–	91	57	27	7	5	–	13
Technicians, except health, and engineering and science	136	136	–	–	136	121	9	6	–	–	14
Airplane pilots	64	64	–	–	64	53	5	6	–	–	–
Writers, artists, and entertainers	615	615	–	–	606	427	95	84	7	5	66
Other professional, technical, and kindred workers	874	874	–	–	868	657	155	56	26	13	123
Managers and administrators, except farm	**6 333**	**6 309**	**4**	**17**	**6 301**	**5 580**	**630**	**91**	**139**	**271**	**218**
Buyers, purchasing agents, and sales managers	916	916	–	9	912	795	107	10	19	23	13
School administrators	149	149	–	–	149	87	62	–	–	5	–
Specified managers and administrators, public administration	270	270	–	–	265	243	13	9	4	12	5
Other specified managers and administrators	963	954	–	8	956	842	94	20	22	62	56
Managers and administrators, n.e.c., salaried	3 170	3 159	–	–	3 160	2 875	247	38	77	101	95
Manufacturing	1 138	1 138	–	–	1 138	1 072	56	10	20	42	30
Wholesale and retail trade	1 000	995	–	–	996	900	77	19	19	30	32
Transportation, communications, and other public utilities	239	239	–	–	239	221	18	–	21	11	9
All other industries	793	787	–	–	787	682	96	9	17	18	24
Managers and administrators, n.e.c., self-employed	865	861	4	–	859	738	107	14	17	68	49
Construction	200	200	–	–	200	159	36	5	5	10	12
Manufacturing	59	59	–	–	59	48	11	–	5	5	4
Wholesale and retail trade	438	434	4	–	432	389	43	–	–	36	19
All other industries	168	168	–	–	168	142	17	9	7	17	14
Sales workers	**4 147**	**4 147**	**–**	**15**	**4 119**	**3 273**	**606**	**240**	**61**	**175**	**299**
Insurance agents, brokers, and underwriters	586	586	–	–	577	485	70	22	14	31	–
Real estate agents and brokers	178	178	–	–	178	146	27	5	–	5	–
Sales representatives, manufacturing industries	748	748	–	9	748	645	89	14	4	33	50
Sales representatives, wholesale trade	660	660	–	6	660	583	65	12	21	21	50
Sales clerks, retail trade	786	786	–	9	775	517	150	108	9	38	129
Salesmen, retail trade	512	512	–	–	512	426	76	10	9	10	30
Salesmen of services and construction	185	185	–	–	185	154	25	6	–	7	13
Other sales workers	492	492	–	–	484	317	104	63	4	30	27
Clerical and kindred workers	**4 135**	**4 110**	**–**	**–**	**4 103**	**3 158**	**588**	**357**	**76**	**178**	**463**
Bank tellers and cashiers	89	89	–	–	84	47	33	4	–	–	18
Bookkeepers and billing clerks	306	306	–	–	306	258	37	11	6	14	30
Mail handlers and postal clerks	521	521	–	–	521	436	41	44	10	9	26
Other clerical and kindred workers	3 219	3 194	–	–	3 192	2 417	477	298	60	155	389
Craftsmen and kindred workers	**14 282**	**14 201**	**–**	**46**	**14 211**	**11 283**	**2 345**	**583**	**294**	**686**	**1 115**
Apparel craftsmen and upholsterers	67	67	–	–	67	34	17	16	–	10	6
Bakers	82	82	–	–	82	46	21	15	–	10	10
Cabinetmakers	67	67	–	–	67	48	19	–	–	–	–
Construction craftsmen	3 662	3 631	–	9	3 657	2 536	942	179	73	200	429
Carpenters	1 077	1 066	–	–	1 077	686	339	52	19	52	122
Excavating, grading, and road machine operators	365	365	–	–	365	251	95	19	–	14	69
Electricians	715	710	–	4	715	619	73	23	5	49	48
Masons and tile setters	320	320	–	–	320	169	137	14	13	11	51
Painters, construction and maintenance, and paperhangers	320	320	–	–	315	189	94	32	9	27	83
Plasterers and cement finishers	139	134	–	–	139	105	29	5	5	10	10
Plumbers and pipe fitters	480	480	–	5	480	416	64	–	22	32	17
Other construction craftsmen	246	236	–	–	246	101	111	34	–	5	29
Foremen, n.e.c.	2 276	2 270	–	–	2 266	2 049	208	9	47	141	121
Manufacturing	1 576	1 570	–	–	1 566	1 478	88	–	41	124	83
Nonmanufacturing industries	700	700	–	–	700	571	120	9	6	17	38
Linemen and servicemen, telephone and power	426	426	–	8	426	350	72	4	5	14	27
Locomotive engineers and firemen	44	44	–	–	44	39	5	–	–	–	–
Mechanics and repairmen	2 894	2 886	–	16	2 872	2 313	397	162	39	95	135
Air conditioning, heating, and refrigeration	119	119	–	–	114	108	6	–	4	6	–
Aircraft	24	24	–	–	24	24	–	–	–	–	–
Automobile, including body	1 265	1 257	–	16	1 259	988	197	74	14	26	66
Radio and television	106	106	–	–	106	73	24	9	–	–	8
Other mechanics and repairmen	1 380	1 380	–	–	1 369	1 120	170	79	21	63	61
Metal craftsmen, except mechanics	2 093	2 074	–	13	2 082	1 726	287	69	52	115	109
Machinists and job and die setters	796	787	–	–	796	654	111	31	11	58	21
Sheetmetal workers and tinsmiths	283	278	–	7	283	252	31	–	10	8	11
Tool and die makers	168	168	–	–	168	144	24	–	10	–	15
Other metal craftsmen	846	841	–	6	835	676	121	38	21	49	62
Printing craftsmen	1 202	1 197	–	–	1 184	1 022	128	34	25	20	34
Compositors and typesetters	367	367	–	–	367	320	39	8	6	5	24
Pressmen and plate printers, printing	599	594	–	–	586	504	73	9	15	9	5
Stationary engineers and power station operators	228	228	–	–	228	191	26	11	9	26	16
Other craftsmen and kindred workers	1 241	1 229	–	–	1 236	929	223	84	44	55	228

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
APPLETON–OSHKOSH SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**13 712**	**13 556**	**18**	**65**	**13 595**	**10 309**	**2 284**	**1 002**	**280**	**784**	**1 655**
Assemblers	998	990	8	12	993	773	129	91	25	61	111
Checkers, examiners, and inspectors; manufacturing	417	417	–	5	417	370	33	14	6	27	39
Garage workers and gas station attendants	516	516	–	–	504	192	160	152	9	33	213
Laundry and drycleaning operatives, n.e.c	96	96	–	8	96	54	31	11	–	7	32
Meat cutters and butchers	229	229	–	–	224	173	34	17	4	21	17
Mine operatives, n.e.c	30	23	–	–	30	30	–	–	5	–	–
Packers and wrappers, except produce	443	422	–	11	443	266	120	57	15	29	94
Painters, manufactured articles	161	161	–	–	161	111	16	34	–	10	26
Precision machine operatives	1 074	1 074	–	7	1 066	805	208	53	9	75	92
Sawyers	122	122	–	–	122	93	22	7	–	34	41
Stationary firemen	195	195	–	–	189	170	15	4	19	27	14
Textile operatives	138	138	–	–	131	96	26	9	21	14	3
Welders and flamecutters	692	667	–	–	692	480	185	27	15	14	37
Other metalworking operatives	568	563	–	–	563	434	92	37	4	50	74
Other specified operatives	2 008	1 964	5	5	1 978	1 511	345	122	37	121	279
Miscellaneous and not specified operatives	6 025	5 979	5	17	5 986	4 751	868	367	111	261	583
Occupation:											
Machine operatives, miscellaneous specified	3 074	3 058	–	6	3 059	2 489	393	177	65	120	247
Machine operatives, not specified	1 195	1 184	–	5	1 191	952	213	26	22	49	82
Miscellaneous operatives	889	874	5	–	884	604	158	122	4	45	147
Not specified operatives	867	863	–	6	852	706	104	42	20	47	107
Industry:											
Manufacturing	5 605	5 564	–	17	5 571	4 442	814	315	111	229	492
Durable goods	1 638	1 627	–	–	1 623	1 235	278	110	42	88	182
Wood products, including furniture	274	274	–	–	269	192	51	26	24	28	29
Primary metal industries	436	430	–	–	431	330	73	28	14	19	25
Fabricated metal industries	239	239	–	–	234	170	31	33	–	14	18
Machinery, including electrical	492	492	–	–	492	393	76	23	4	9	46
Motor vehicles and equipment	121	116	–	–	121	97	24	–	–	12	10
Transportation equipment, except motor vehicles	4	4	–	–	4	4	–	–	–	–	9
Other durable goods	72	72	–	–	72	49	23	–	–	6	45
Nondurable goods	3 943	3 913	–	17	3 924	3 183	536	205	69	141	310
Food and kindred products	344	339	–	–	339	268	33	38	5	18	77
Apparel and other fabricated textile products	19	19	–	–	19	19	–	–	–	–	–
Paper and allied products	3 196	3 171	–	17	3 187	2 635	438	114	64	114	180
Chemicals and allied products	28	28	–	–	28	28	–	–	–	–	10
Other nondurable goods	356	356	–	–	351	233	65	53	–	9	43
Not specified manufacturing industries	24	24	–	–	24	24	–	–	–	–	–
Nonmanufacturing industries	420	415	5	–	415	309	54	52	–	32	91
Transportation, communications, and other public utilities	65	60	5	–	65	36	12	17	–	6	6
Wholesale and retail trade	229	229	–	–	229	169	25	35	–	26	54
All other industries	126	126	–	–	121	104	17	–	–	–	31
Transport equipment operatives	**3 788**	**3 757**	**21**	**6**	**3 751**	**2 806**	**679**	**266**	**55**	**144**	**405**
Bus drivers	109	109	–	–	109	62	32	15	–	–	27
Taxicab drivers and chauffeurs	123	123	–	–	123	83	30	10	5	21	24
Truck drivers and deliverymen	2 645	2 645	–	6	2 623	1 983	448	192	42	118	247
Other transport equipment operatives	911	880	21	–	896	678	169	49	8	5	107
Laborers, except farm	**4 220**	**4 171**	**–**	**31**	**4 141**	**2 260**	**1 146**	**735**	**119**	**247**	**1 760**
Construction laborers	677	666	–	–	672	309	268	95	17	38	248
Freight, stock, and material handlers	1 585	1 568	–	6	1 556	897	347	312	19	65	499
Other specified laborers	777	772	–	14	762	365	231	166	32	77	585
Miscellaneous and not specified laborers	1 181	1 165	–	11	1 151	689	300	162	51	67	428
Occupation:											
Miscellaneous laborers	293	282	–	6	288	191	70	27	16	14	58
Not specified laborers	888	883	–	5	863	498	230	135	35	53	370
Industry:											
Manufacturing	844	828	–	6	829	518	215	96	32	40	324
Durable goods	502	492	–	6	487	305	131	51	11	6	157
Wood products, including furniture	70	70	–	–	70	46	12	12	4	6	12
Metal industries	270	265	–	6	255	153	77	25	–	–	49
Machinery, including electrical	86	86	–	–	86	56	16	14	–	–	67
Transportation equipment	42	42	–	–	42	21	21	–	–	–	5
Other durable goods	34	29	–	–	34	29	5	–	7	–	24
Nondurable goods	342	336	–	–	342	213	84	45	21	29	167
Food and kindred products	98	92	–	–	98	40	47	11	6	12	69
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	5	–
Nonmanufacturing industries	337	337	–	5	322	171	85	66	19	27	104
Railroads and railway express service	48	48	–	–	48	42	3	3	–	5	21
Transportation, except railroads	4	4	–	–	4	4	–	–	5	–	–
Communications, and utilities and sanitary services	18	18	–	–	18	14	–	4	5	5	–
Wholesale and retail trade	116	116	–	–	101	42	27	32	5	5	33
All other industries	151	151	–	5	151	69	55	27	4	12	50
Farmers and farm managers	**3 562**	**3 562**	**–**	**–**	**3 501**	**3 244**	**165**	**92**	**74**	**225**	**215**
Farm laborers and farm foremen	**1 064**	**1 064**	**–**	**–**	**1 035**	**704**	**174**	**157**	**20**	**92**	**278**
Paid farm laborers and farm foremen	780	780	–	–	770	494	145	131	10	74	202
Unpaid family workers	284	284	–	–	265	210	29	26	10	18	76
Service workers, except private household[1]	**4 977**	**4 925**	**10**	**26**	**4 869**	**3 084**	**1 005**	**780**	**133**	**350**	**1 058**
Cleaning service workers	1 762	1 737	–	21	1 741	1 182	353	206	58	147	407
Food service workers	1 398	1 381	5	–	1 338	573	401	364	10	95	332
Cooks, except private household	360	348	–	–	340	156	127	57	–	23	81
Busboys and dishwashers	281	281	–	–	266	27	103	136	–	25	132
Health service workers	267	267	–	–	267	212	23	32	5	18	24
Personal service workers	374	369	–	–	362	215	75	72	14	21	130
Protective service workers	982	982	–	5	977	797	105	75	32	58	48
Firemen, fire protection	243	243	–	–	243	218	25	–	5	–	11
Guards and watchmen	296	296	–	–	291	213	30	48	22	42	10
Policemen and detectives	399	399	–	5	399	350	41	8	5	12	6
Private household workers	**11**	**11**	**–**	**–**	**5**	**–**	**–**	**5**	**–**	**5**	**–**
Unemployed persons, last worked 1959 or earlier[2]	**–**	**–**	**–**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
APPLETON–OSHKOSH SMSA—Continued											
Female, 16 years old and over	**39 340**	**39 113**	**16**	**110**	**37 743**	**19 309**	**11 352**	**7 082**	**3 687**	**9 051**	**11 825**
Professional, technical, and kindred workers	**5 818**	**5 785**	**6**	**24**	**5 615**	**1 920**	**2 671**	**1 024**	**388**	**922**	**1 234**
Accountants	271	271	–	–	266	162	53	51	23	35	43
Computer specialists	25	25	–	–	20	14	6	–	4	9	13
Librarians	146	146	–	–	136	45	63	28	9	40	22
Mathematical specialists	20	20	–	–	20	15	5	–	–	6	–
Life and physical scientists	15	15	–	–	15	15	–	–	–	4	4
Registered nurses, dietitians, and therapists	1 067	1 067	–	–	1 032	673	221	138	72	145	108
Dietitians	60	60	–	–	56	33	9	14	–	–	–
Registered nurses	924	924	–	–	902	597	188	117	61	140	103
Health technologists and technicians	249	249	–	–	239	130	69	40	27	24	46
Social scientists	13	13	–	–	13	4	9	–	–	–	5
Social and recreation workers	101	101	–	–	96	78	18	–	15	44	145
Teachers: College and university	279	268	6	–	274	56	153	65	19	41	52
Elementary and prekindergarten	1 721	1 721	–	11	1 682	190	1 208	284	138	278	382
Secondary	710	705	–	5	700	75	509	116	52	154	127
Other teachers	161	161	–	–	161	40	66	55	5	13	41
Engineering and science technicians	176	171	–	–	165	121	9	35	10	24	45
Technicians, except health, and engineering and science	29	24	–	8	29	24	–	5	–	–	–
Writers, artists, and entertainers	310	310	–	–	301	104	123	74	5	21	102
Actors and dancers	5	5	–	–	5	–	5	–	–	–	5
Authors, editors, and reporters	83	83	–	–	83	39	30	14	1	7	21
Other professional, technical, and kindred workers	525	518	–	–	466	174	159	133	9	84	99
Managers and administrators, except farm	**919**	**919**	–	**6**	**899**	**629**	**185**	**85**	**33**	**104**	**118**
Buyers, purchasing agents, and sales managers	114	114	–	–	114	95	19	–	5	16	10
Restaurant, cafeteria, and bar managers	85	85	–	–	85	51	24	10	5	14	6
School administrators	69	69	–	–	69	5	57	7	5	5	4
Other specified managers and administrators	200	200	–	–	180	121	29	30	14	13	40
Managers and administrators, n.e.c., salaried	315	315	–	–	315	259	33	23	4	43	39
Wholesale and retail trade	97	97	–	–	97	87	6	4	4	24	21
Managers and administrators, n.e.c., self-employed	136	136	–	6	136	98	23	15	–	13	19
Wholesale and retail trade	70	70	–	6	70	58	12	–	–	8	9
Sales workers	**3 085**	**3 074**	–	–	**2 933**	**1 414**	**887**	**632**	**266**	**872**	**1 124**
Demonstrators, hucksters, and peddlers	146	139	–	–	126	28	42	56	11	88	110
Insurance, real estate agents, and brokers	92	92	–	–	92	68	19	5	6	13	27
Sales clerks, retail trade	2 366	2 362	–	–	2 258	1 099	670	489	225	652	784
Salesmen, retail trade	98	98	–	–	92	46	31	15	5	9	52
Other sales workers	383	383	–	–	365	173	125	67	19	110	151
Clerical and kindred workers	**12 418**	**12 372**	**5**	**49**	**12 032**	**7 228**	**2 766**	**2 038**	**1 444**	**2 937**	**3 229**
Bank tellers	235	235	–	–	229	135	58	36	48	56	56
Bookkeepers	1 323	1 318	–	15	1 308	927	236	145	145	302	186
Cashiers	1 003	1 003	–	–	948	368	271	309	59	222	476
Counter clerks, except food	231	231	–	–	231	152	38	41	11	61	39
Enumerators and interviewers	35	35	–	–	28	4	–	24	–	26	23
File clerks	172	172	–	–	157	58	37	62	48	92	76
Office machine operators	546	546	–	–	529	310	148	71	91	145	116
Bookkeeping and billing machine operators	110	110	–	–	103	70	14	19	10	8	9
Keypunch operators	293	293	–	–	288	156	108	24	44	107	62
Payroll and timekeeping clerks	126	126	–	–	115	86	29	–	13	29	18
Receptionists	541	541	–	–	532	291	130	111	22	121	110
Secretaries	2 998	2 986	–	5	2 952	2 023	636	293	294	741	629
Stenographers	201	201	–	–	201	118	68	15	33	52	41
Telephone operators	343	338	5	–	328	220	74	34	116	98	79
Typists	870	870	–	12	833	436	184	213	124	280	359
Other clerical and kindred workers	3 794	3 770	–	17	3 641	2 100	857	684	440	712	1 021
Craftsmen and kindred workers	**755**	**751**	–	–	**700**	**457**	**149**	**94**	**103**	**264**	**179**
Foremen, n.e.c.	195	195	–	–	190	132	40	18	16	45	28
Operatives, except transport	**5 808**	**5 744**	–	**13**	**5 643**	**2 899**	**1 790**	**954**	**733**	**1 913**	**2 258**
Assemblers	758	753	–	–	743	334	315	94	64	230	265
Bottling and canning operatives	21	21	–	–	21	–	16	5	6	20	26
Checkers, examiners, and inspectors; manufacturing	348	348	–	–	339	166	130	43	47	160	200
Dressmakers and seamstresses, except factory	145	145	–	–	145	55	58	32	14	35	28
Laundry and drycleaning operatives, including ironers	285	267	–	6	268	157	65	46	34	86	80
Graders and sorters, manufacturing	114	114	–	–	114	70	35	9	82	141	129
Packers and wrappers, except produce	789	782	–	–	775	398	226	151	135	273	361
Sewers and stitchers	600	590	–	–	576	319	182	75	114	165	136
Textile operatives	430	430	–	–	413	228	144	41	55	95	63
Other specified operatives	853	853	–	–	828	431	241	156	52	290	423
Miscellaneous and not specified operatives	1 465	1 441	–	7	1 421	741	378	302	130	418	547
Manufacturing	1 287	1 263	–	7	1 249	641	340	268	125	360	443
Durable goods	530	518	–	7	524	294	178	52	28	132	189
Machinery, including electrical	77	77	–	–	77	48	29	–	22	19	47
Other durable goods	453	441	–	7	447	246	149	52	6	113	142
Nondurable goods, including not specified manufacturing	757	745	–	–	725	347	162	216	97	228	254
Food and kindred products	63	63	–	–	63	11	21	31	17	77	116
Apparel and other fabricated textile products	48	48	–	–	48	14	4	30	–	4	7
Nonmanufacturing industries	178	178	–	–	172	100	38	34	5	58	104
Transport equipment operatives	**181**	**181**	–	**6**	**176**	**51**	**67**	**58**	–	**21**	**41**
Laborers, except farm	**453**	**443**	**5**	–	**438**	**186**	**114**	**138**	**47**	**114**	**334**
Farmers and farm managers	**273**	**273**	–	–	**255**	**249**	–	**6**	–	–	**48**
Farm laborers and farm foremen	**602**	**596**	–	–	**529**	**409**	**60**	**60**	–	**35**	**186**
Paid farm laborers and farm foremen	147	147	–	–	144	77	42	25	–	24	85
Unpaid family workers	455	449	–	–	385	332	18	35	–	11	101
Service workers, except private household[1]	**8 025**	**7 995**	–	**12**	**7 639**	**3 578**	**2 421**	**1 640**	**573**	**1 611**	**2 757**
Cleaning service workers	991	982	–	–	934	585	227	122	66	216	297
Chambermaids and maids	223	218	–	–	210	155	24	31	13	85	80
Food service workers	3 646	3 639	–	5	3 498	1 290	1 326	882	245	735	1 500
Cooks, except private household	883	879	–	–	877	406	366	105	65	161	221
Waiters and food counter workers	1 849	1 846	–	–	1 771	528	698	545	127	360	1 038
Health service workers	2 073	2 063	–	–	2 004	1 124	517	363	126	323	483
Nursing aides, orderlies, and attendants	1 349	1 342	–	–	1 290	701	360	229	81	197	339
Practical nurses	387	384	–	–	382	214	102	66	24	58	69
Personal service workers	763	763	–	7	740	376	228	136	53	191	252
Hairdressers and cosmetologists	483	483	–	7	474	276	139	59	43	133	109
Private household workers	**934**	**911**	–	–	**884**	**289**	**242**	**353**	**100**	**258**	**317**
Private household workers, living in	84	84	–	–	79	61	9	9	–	6	–
Private household workers, living out	850	827	–	–	805	228	233	344	100	252	317
Unemployed persons, last worked 1959 or earlier[2]	**69**	**69**	–	–	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
DULUTH–SUPERIOR, MINN.–WIS., SMSA											
Male, 16 years old and over	**62 990**	**62 496**	**194**	**152**	**62 103**	**45 725**	**10 532**	**5 846**	**2 392**	**5 112**	**7 884**
Professional, technical, and kindred workers	**7 443**	**7 412**	**11**	**36**	**7 357**	**5 408**	**1 592**	**357**	**101**	**310**	**449**
Accountants	518	518	–	–	506	430	50	26	23	53	55
Architects	38	38	–	–	38	33	–	5	–	10	–
Computer specialists	76	76	–	–	76	65	–	11	–	–	–
Engineers	951	951	–	6	947	835	105	7	18	28	35
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–
Civil	222	222	–	–	222	217	5	–	9	16	19
Electrical and electronic	161	161	–	–	161	146	15	–	–	7	10
Mechanical	174	174	–	–	170	107	56	7	–	–	6
Other engineers	394	394	–	6	394	365	29	–	9	5	–
Lawyers and judges	194	194	–	–	190	160	24	6	–	6	–
Life and physical scientists	232	232	–	9	227	205	18	4	–	5	4
Chemists	141	141	–	–	141	128	9	4	–	5	–
Physicians, dentists, and related practitioners	583	583	–	–	578	493	66	19	13	21	22
Dentists	124	124	–	–	124	101	23	–	7	5	–
Pharmacists	137	137	–	–	132	113	15	4	6	4	6
Physicians, medical and osteopathic	259	259	–	–	259	216	28	15	–	5	16
Other related practitioners	63	63	–	–	63	63	–	–	–	7	–
Health technologists and technicians	68	68	–	–	68	57	4	7	–	5	–
Religious workers	296	296	–	–	296	269	18	9	–	19	12
Social scientists	50	50	–	–	50	45	5	–	–	6	–
Social and recreation workers	209	209	–	–	204	168	28	8	–	3	16
Teachers	2 015	1 994	11	7	1 992	972	927	93	12	45	81
College and university	413	404	4	–	413	199	177	37	–	4	15
Elementary and prekindergarten	631	631	–	–	617	281	324	12	7	12	29
Secondary	863	851	7	7	854	431	393	30	5	23	32
Engineering and science technicians	756	750	–	–	750	579	100	71	8	21	77
Draftsmen and surveyors	389	389	–	–	383	293	49	41	8	4	44
Electrical and electronic engineering technicians	81	81	–	–	81	63	13	5	–	5	–
Technicians, except health, and engineering and science	123	123	–	6	121	116	5	–	–	–	–
Airplane pilots	14	14	–	–	14	14	–	–	–	–	–
Writers, artists, and entertainers	477	477	–	–	477	309	100	68	6	25	89
Other professional, technical, and kindred workers	857	853	–	8	837	672	142	23	21	63	78
Managers and administrators, except farm	**6 561**	**6 535**	**–**	**26**	**6 541**	**5 657**	**667**	**217**	**190**	**525**	**347**
Buyers, purchasing agents, and sales managers	673	668	–	–	673	632	28	13	7	21	30
School administrators	259	259	–	–	259	200	50	9	5	6	11
Specified managers and administrators, public administration	561	556	–	–	561	513	48	–	25	47	37
Other specified managers and administrators	1 538	1 532	–	6	1 530	1 186	270	74	40	181	93
Managers and administrators, n.e.c., salaried	2 693	2 683	–	20	2 681	2 404	191	86	91	173	123
Manufacturing	282	282	–	7	282	261	10	11	10	12	–
Wholesale and retail trade	1 151	1 146	–	5	1 146	1 049	77	20	33	63	48
Transportation, communications, and other public utilities	435	430	–	–	435	383	35	17	39	44	37
All other industries	825	825	–	8	818	711	69	38	9	54	38
Managers and administrators, n.e.c., self-employed	837	837	–	–	837	722	80	35	22	97	53
Construction	129	129	–	–	129	79	43	7	5	19	–
Manufacturing	60	60	–	–	60	55	–	5	5	3	10
Wholesale and retail trade	465	465	–	–	465	419	23	23	12	65	31
All other industries	183	183	–	–	183	169	14	–	–	10	12
Sales workers	**3 316**	**3 307**	**5**	**16**	**3 280**	**2 691**	**340**	**249**	**74**	**185**	**277**
Insurance agents, brokers, and underwriters	391	391	–	–	391	347	44	–	–	17	18
Real estate agents and brokers	82	82	–	–	82	78	4	–	–	11	11
Sales representatives, manufacturing industries	241	241	–	5	241	219	22	–	6	8	16
Sales representatives, wholesale trade	751	751	–	11	751	691	55	5	17	21	28
Sales clerks, retail trade	790	790	–	–	790	608	66	116	33	67	84
Salesmen, retail trade	431	422	5	–	418	328	43	47	7	24	29
Salesmen of services and construction	131	131	–	–	131	90	26	15	–	–	19
Other sales workers	499	499	–	–	476	330	80	66	11	37	72
Clerical and kindred workers	**3 601**	**3 573**	**17**	**–**	**3 566**	**2 955**	**343**	**268**	**221**	**349**	**420**
Bank tellers and cashiers	89	89	–	–	89	56	9	24	–	15	14
Bookkeepers and billing clerks	285	285	–	–	285	235	22	28	32	31	32
Mail handlers and postal clerks	516	513	3	–	516	472	29	15	22	59	51
Other clerical and kindred workers	2 711	2 686	14	–	2 676	2 192	283	201	167	244	323
Craftsmen and kindred workers	**16 914**	**16 848**	**20**	**36**	**16 767**	**13 438**	**2 544**	**785**	**808**	**1 474**	**1 279**
Apparel craftsmen and upholsterers	78	78	–	–	78	74	4	–	4	10	–
Bakers	118	118	–	–	118	89	22	7	–	16	19
Cabinetmakers	70	70	–	–	70	55	6	9	4	11	4
Construction craftsmen	4 616	4 607	4	19	4 589	3 126	1 129	334	179	393	472
Carpenters	886	886	–	–	886	490	296	100	56	162	172
Excavating, grading, and road machine operators	1 292	1 288	4	7	1 292	976	228	88	40	70	79
Electricians	1 035	1 035	–	12	1 030	889	111	30	20	39	29
Masons and tile setters	214	214	–	–	214	132	69	13	19	19	12
Painters, construction and maintenance, and paperhangers	363	358	–	–	350	168	133	49	10	45	106
Plasterers and cement finishers	76	76	–	–	76	19	47	10	6	–	12
Plumbers and pipe fitters	470	470	–	–	461	342	114	5	21	20	26
Other construction craftsmen	280	280	–	–	280	110	131	39	7	38	36
Foremen, n.e.c.	2 404	2 399	–	–	2 399	2 153	197	49	168	283	82
Manufacturing	580	580	–	–	575	523	38	14	29	5	28
Nonmanufacturing industries	1 824	1 819	–	–	1 824	1 630	159	35	139	278	54
Linemen and servicemen, telephone and power	574	567	7	–	574	516	37	21	21	19	25
Locomotive engineers and firemen	508	508	–	–	508	376	104	28	57	70	58
Mechanics and repairmen	4 340	4 324	–	13	4 282	3 690	426	166	137	213	178
Air conditioning, heating, and refrigeration	54	54	–	–	54	50	–	4	–	–	14
Aircraft	121	121	–	–	121	117	–	4	–	7	–
Automobile, including body	1 459	1 454	–	4	1 433	1 253	106	74	22	59	91
Radio and television	182	182	–	–	182	155	19	8	5	3	6
Other mechanics and repairmen	2 524	2 513	–	9	2 492	2 115	301	76	110	144	67
Metal craftsmen, except mechanics	1 439	1 435	4	–	1 429	1 125	253	51	110	146	88
Machinists and job and die setters	508	508	–	–	498	408	69	21	19	52	43
Sheetmetal workers and tinsmiths	212	212	–	–	212	143	58	11	–	–	6
Tool and die makers	51	51	–	–	51	42	9	–	9	4	10
Other metal craftsmen	668	664	4	–	668	532	117	19	82	90	29
Printing craftsmen	411	401	–	–	411	356	37	18	–	18	4
Compositors and typesetters	247	242	–	–	247	217	17	13	–	5	4
Pressmen and plate printers, printing	94	89	–	–	94	74	15	5	–	13	–
Stationary engineers and power station operators	485	485	–	–	485	442	38	5	31	73	38
Other craftsmen and kindred workers	1 871	1 856	5	4	1 824	1 436	291	97	97	222	311

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
DULUTH-SUPERIOR, MINN.-WIS., SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**8 616**	**8 528**	**26**	**10**	**8 461**	**5 571**	**1 722**	**1 168**	**322**	**673**	**1 238**
Assemblers	178	178	–	–	178	95	35	48	9	26	80
Checkers, examiners, and inspectors; manufacturing	93	93	–	–	88	81	7	–	3	22	9
Garage workers and gas station attendants	775	775	–	–	748	318	168	262	5	20	145
Laundry and drycleaning operatives, n.e.c	64	56	8	–	64	40	4	20	–	–	20
Meat cutters and butchers	273	273	–	–	268	230	25	13	6	21	27
Mine operatives, n.e.c	1 235	1 225	–	–	1 186	883	160	143	83	173	137
Packers and wrappers, except produce	192	192	–	–	188	84	41	63	–	–	84
Painters, manufactured articles	48	48	–	–	48	27	11	10	–	5	6
Precision machine operatives	272	272	–	–	272	205	27	40	28	20	53
Sawyers	70	70	–	–	70	40	25	5	5	–	33
Stationary firemen	211	211	–	–	211	149	47	15	12	33	23
Textile operatives	37	37	–	–	37	17	10	10	–	7	–
Welders and flamecutters	1 134	1 130	–	5	1 129	855	219	55	15	49	62
Other metalworking operatives	329	324	–	–	325	247	63	15	9	50	23
Other specified operatives	2 012	1 981	–	–	1 979	1 087	608	284	51	108	258
Miscellaneous and not specified operatives	1 693	1 663	18	5	1 670	1 213	272	185	96	139	278
Occupation:											
Machine operatives, miscellaneous specified	647	642	5	–	639	477	107	55	42	19	112
Machine operatives, not specified	402	394	8	–	397	296	82	19	11	15	24
Miscellaneous operatives	450	438	5	5	440	303	56	81	38	75	101
Not specified operatives	194	189	–	–	194	137	27	30	5	30	41
Industry:											
Manufacturing	1 124	1 101	18	5	1 105	781	184	140	24	46	179
Durable goods	777	754	18	5	762	529	125	108	19	28	112
Wood products, including furniture	105	100	–	–	99	52	29	18	–	–	5
Primary metal industries	312	297	15	5	308	227	49	32	19	13	44
Fabricated metal industries	135	135	–	–	135	118	2	15	–	5	24
Machinery, including electrical	109	109	–	–	109	62	26	21	–	–	29
Motor vehicles and equipment	–	–	–	–	–	–	–	–	–	–	–
Transportation equipment, except motor vehicles	26	26	–	–	26	16	–	10	–	–	–
Other durable goods	90	87	3	–	85	54	19	12	–	10	10
Nondurable goods	343	343	–	–	339	248	59	32	5	18	67
Food and kindred products	142	142	–	–	138	67	44	27	–	13	38
Apparel and other fabricated textile products	13	13	–	–	13	8	5	–	–	–	–
Paper and allied products	59	59	–	–	59	49	5	5	–	–	20
Chemicals and allied products	13	13	–	–	13	13	–	–	–	–	–
Other nondurable goods	116	116	–	–	116	111	5	–	5	5	9
Not specified manufacturing industries	4	4	–	–	4	4	–	–	–	–	–
Nonmanufacturing industries	569	562	–	–	565	432	88	45	72	93	99
Transportation, communications, and other public utilities	222	215	–	–	222	178	30	14	32	58	20
Wholesale and retail trade	188	188	–	–	188	139	31	18	27	9	52
All other industries	159	159	–	–	155	115	27	13	13	26	27
Transport equipment operatives	**4 657**	**4 621**	**7**	**8**	**4 616**	**3 350**	**837**	**429**	**101**	**333**	**407**
Bus drivers	350	350	–	–	350	235	95	20	13	37	11
Taxicab drivers and chauffeurs	140	140	–	–	140	93	17	30	8	14	7
Truck drivers and deliverymen	3 128	3 104	–	8	3 091	2 307	533	251	58	199	270
Other transport equipment operatives	1 039	1 027	7	–	1 035	715	192	128	22	83	119
Laborers, except farm	**5 461**	**5 362**	**38**	**13**	**5 324**	**2 702**	**1 455**	**1 167**	**328**	**634**	**2 025**
Construction laborers	963	946	7	–	946	359	364	223	45	134	390
Freight, stock, and material handlers	1 681	1 666	4	8	1 620	838	413	369	84	107	528
Other specified laborers	1 114	1 093	12	5	1 101	532	305	264	101	182	571
Miscellaneous and not specified laborers	1 703	1 657	15	–	1 657	973	373	311	98	211	536
Occupation:											
Miscellaneous laborers	700	685	6	–	679	451	152	76	63	127	158
Not specified laborers	1 003	972	9	–	978	522	221	235	35	84	378
Industry:											
Manufacturing	647	632	10	–	632	375	137	120	35	56	143
Durable goods	500	494	6	–	485	313	118	54	25	33	84
Wood products, including furniture	51	51	–	–	42	15	21	6	12	–	10
Metal industries	374	368	6	–	368	261	77	30	13	22	57
Machinery, including electrical	34	34	–	–	34	19	15	–	–	5	4
Transportation equipment	5	5	–	–	5	–	–	5	–	6	4
Other durable goods	36	36	–	–	36	18	5	13	–	–	9
Nondurable goods	147	138	4	–	147	62	19	66	10	23	59
Food and kindred products	78	69	4	–	78	34	6	38	8	7	11
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	1 056	1 025	5	–	1 025	598	236	191	63	155	393
Railroads and railway express service	352	352	–	–	347	281	58	8	41	71	43
Transportation, except railroads	31	31	–	–	31	4	22	5	10	–	15
Communications, and utilities and sanitary services	79	79	–	–	79	57	5	17	–	16	35
Wholesale and retail trade	245	240	5	–	235	113	62	60	6	9	51
All other industries	349	323	–	–	333	143	89	101	6	59	249
Farmers and farm managers	**427**	**427**	**–**	**–**	**422**	**383**	**39**	**–**	**16**	**52**	**26**
Farm laborers and farm foremen	**215**	**209**	**6**	**–**	**204**	**128**	**26**	**50**	**29**	**78**	**218**
Paid farm laborers and farm foremen	196	190	6	–	185	109	26	50	25	66	193
Unpaid family workers	19	19	–	–	19	19	–	–	4	12	25
Service workers, except private household[1]	**5 732**	**5 627**	**64**	**7**	**5 531**	**3 430**	**959**	**1 142**	**202**	**491**	**1 159**
Cleaning service workers	2 457	2 414	26	–	2 376	1 519	412	445	83	230	446
Food service workers	1 429	1 405	16	7	1 357	579	352	426	42	99	317
Cooks, except private household	425	409	12	–	408	177	148	83	27	22	94
Busboys and dishwashers	368	364	4	–	338	50	101	187	–	43	99
Health service workers	192	189	3	–	187	102	40	45	5	9	48
Personal service workers	416	397	19	–	389	207	54	128	12	44	151
Protective service workers	971	971	–	–	960	860	57	43	44	89	81
Firemen, fire protection	330	330	–	–	330	318	7	5	9	5	10
Guards and watchmen	278	278	–	–	267	200	29	38	26	65	58
Policemen and detectives	278	278	–	–	278	267	11	–	9	5	10
Private household workers	**39**	**39**	**–**	**–**	**34**	**12**	**8**	**14**	**–**	**8**	**19**
Unemployed persons, last worked 1959 or earlier[2]	**8**	**8**	**–**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued											
Female, 16 years old and over	**35 040**	**34 702**	**128**	**43**	**32 913**	**17 378**	**8 227**	**7 308**	**4 248**	**9 744**	**11 512**
Professional, technical, and kindred workers	**5 834**	**5 774**	**26**	**12**	**5 629**	**2 540**	**2 045**	**1 044**	**544**	**1 103**	**1 287**
Accountants	182	182	–	–	172	125	21	26	14	17	19
Computer specialists	16	13	–	–	16	10	6	–	–	–	–
Librarians	111	111	–	–	111	53	39	19	9	27	24
Mathematical specialists	6	6	–	–	6	6	–	–	–	–	–
Life and physical scientists	32	32	–	–	32	5	15	12	–	–	–
Registered nurses, dietitians, and therapists	1 379	1 373	–	–	1 333	756	270	307	130	268	263
Dietitians	27	27	–	–	23	23	–	–	4	8	33
Registered nurses	1 274	1 268	–	–	1 236	693	251	292	126	245	225
Health technologists and technicians	390	386	4	–	371	262	63	46	39	79	97
Social scientists	12	12	–	–	12	12	–	–	–	–	–
Social and recreation workers	264	264	–	–	235	176	36	23	15	57	104
Teachers: College and university	241	236	–	–	241	105	103	33	9	27	53
Elementary and prekindergarten	1 534	1 524	5	6	1 483	379	914	190	227	342	361
Secondary	641	625	10	–	635	160	324	151	38	92	81
Other teachers	238	234	–	–	233	80	72	81	5	45	59
Engineering and science technicians	70	70	–	–	70	24	36	10	–	17	22
Technicians, except health, and engineering and science	20	20	–	6	20	16	–	4	–	6	6
Writers, artists, and entertainers	198	198	–	–	198	112	36	50	16	58	77
Actors and dancers	–	–	–	–	–	–	–	–	–	7	–
Authors, editors, and reporters	53	53	–	–	53	33	15	5	10	5	19
Other professional, technical, and kindred workers	500	488	7	–	461	259	110	92	42	68	121
Managers and administrators, except farm	**1 275**	**1 267**	**3**	**–**	**1 236**	**956**	**191**	**89**	**127**	**271**	**300**
Buyers, purchasing agents, and sales managers	157	157	–	–	157	143	14	–	10	42	18
Restaurant, cafeteria, and bar managers	170	170	–	–	152	87	44	21	23	42	53
School administrators	60	60	–	–	60	22	38	–	11	9	8
Other specified managers and administrators	242	242	–	–	242	195	25	22	32	76	80
Managers and administrators, n.e.c., salaried	437	437	–	–	416	345	44	27	35	68	81
Wholesale and retail trade	220	220	–	–	207	190	11	6	5	10	29
Managers and administrators, n.e.c., self-employed	209	201	3	–	209	164	26	19	16	34	60
Wholesale and retail trade	150	142	3	–	150	120	11	19	16	10	29
Sales workers	**2 704**	**2 696**	**8**	**10**	**2 562**	**1 274**	**592**	**696**	**420**	**1 000**	**1 211**
Demonstrators, hucksters, and peddlers	198	198	–	–	167	36	63	68	22	57	174
Insurance, real estate agents, and brokers	81	81	–	–	75	25	46	4	6	33	38
Sales clerks, retail trade	2 054	2 050	4	5	2 000	1 060	401	539	322	806	752
Salesmen, retail trade	50	50	–	–	40	13	9	18	9	33	30
Other sales workers	321	317	4	5	280	140	73	67	61	71	217
Clerical and kindred workers	**10 667**	**10 598**	**29**	**5**	**10 176**	**6 284**	**1 999**	**1 893**	**1 355**	**2 746**	**3 087**
Bank tellers	293	293	–	–	293	232	33	28	36	90	75
Bookkeepers	1 580	1 569	–	–	1 543	1 098	206	239	165	381	289
Cashiers	889	884	–	–	842	440	193	209	92	223	348
Counter clerks, except food	210	210	–	–	200	136	29	35	20	47	58
Enumerators and interviewers	152	152	–	–	55	11	16	28	10	24	45
File clerks	142	142	–	5	128	58	25	45	27	22	66
Office machine operators	255	255	–	–	245	171	52	22	37	125	100
Bookkeeping and billing machine operators	59	59	–	–	59	47	12	–	15	23	18
Keypunch operators	132	132	–	–	132	88	26	18	22	68	64
Payroll and timekeeping clerks	94	94	–	–	88	78	6	4	4	12	20
Receptionists	367	362	5	–	362	207	67	88	40	103	157
Secretaries	2 491	2 491	–	–	2 419	1 486	580	353	309	602	596
Stenographers	285	285	–	–	274	193	27	54	72	86	54
Telephone operators	377	369	8	–	367	204	83	80	79	119	86
Typists	776	756	11	–	750	467	150	133	136	219	208
Other clerical and kindred workers	2 756	2 736	5	–	2 610	1 503	532	575	328	693	985
Craftsmen and kindred workers	**529**	**519**	**–**	**–**	**509**	**340**	**121**	**48**	**35**	**117**	**141**
Foremen, n.e.c.	131	121	–	–	131	109	22	–	–	30	11
Operatives, except transport	**3 156**	**3 104**	**17**	**5**	**2 993**	**1 596**	**790**	**607**	**437**	**1 144**	**1 284**
Assemblers	324	318	–	–	305	141	78	86	23	113	185
Bottling and canning operatives	14	14	–	–	14	4	4	6	4	15	15
Checkers, examiners, and inspectors, manufacturing	83	83	–	–	83	55	15	13	26	76	48
Dressmakers and seamstresses, except factory	156	156	–	–	152	85	38	29	5	62	62
Laundry and drycleaning operatives, including ironers	426	410	12	–	394	222	111	61	79	209	127
Graders and sorters, manufacturing	5	5	–	–	5	5	–	–	–	–	25
Packers and wrappers, except produce	330	325	–	–	319	168	77	74	54	103	212
Sewers and stitchers	816	806	–	–	770	428	224	118	118	243	194
Textile operatives	54	54	–	–	54	24	20	10	8	10	4
Other specified operatives	398	388	5	–	378	199	106	73	57	146	214
Miscellaneous and not specified operatives	550	545	–	5	519	265	117	137	63	167	198
Manufacturing	430	425	–	5	399	182	96	121	53	132	181
Durable goods	75	75	–	–	75	48	18	9	18	64	54
Machinery, including electrical	19	19	–	–	19	11	4	4	–	8	4
Other durable goods	56	56	–	–	56	37	14	5	18	56	50
Nondurable goods, including not specified manufacturing	355	350	–	5	324	134	78	112	35	68	127
Food and kindred products	192	192	–	5	171	55	44	72	23	20	73
Apparel and other fabricated textile products	134	129	–	–	124	63	21	40	–	26	40
Nonmanufacturing industries	120	120	–	–	120	83	21	16	10	35	17
Transport equipment operatives	**93**	**93**	**–**	**–**	**93**	**27**	**53**	**13**	**4**	**25**	**20**
Laborers, except farm	**361**	**361**	**–**	**–**	**345**	**143**	**106**	**96**	**46**	**109**	**294**
Farmers and farm managers	**42**	**42**	**–**	**–**	**42**	**38**	**–**	**4**	**9**	**–**	**4**
Farm laborers and farm foremen	**77**	**77**	**–**	**–**	**71**	**57**	**4**	**10**	**–**	**36**	**101**
Paid farm laborers and farm foremen	37	37	–	–	31	17	4	10	–	30	85
Unpaid family workers	40	40	–	–	40	40	–	–	–	6	16
Service workers, except private household[1]	**8 981**	**8 855**	**45**	**11**	**8 265**	**3 774**	**2 114**	**2 377**	**1 045**	**2 780**	**3 197**
Cleaning service workers	1 023	994	5	–	984	532	214	238	160	379	429
Chambermaids and maids	319	319	–	–	309	145	78	86	44	161	170
Food service workers	3 901	3 852	13	11	3 560	1 418	1 012	1 130	488	1 453	1 554
Cooks, except private household	981	978	–	–	937	413	301	223	87	396	291
Waiters and food counter workers	1 968	1 956	4	11	1 761	671	450	640	307	770	1 001
Health service workers	2 409	2 394	6	–	2 223	1 071	522	630	243	615	673
Nursing aides, orderlies, and attendants	1 379	1 364	6	–	1 256	613	311	332	174	458	451
Practical nurses	566	566	–	–	525	261	128	136	35	116	107
Personal service workers	1 100	1 082	14	–	1 016	506	243	267	120	279	314
Hairdressers and cosmetologists	492	488	–	–	446	249	104	93	64	165	97
Private household workers	**1 149**	**1 144**	**–**	**–**	**992**	**349**	**212**	**431**	**226**	**413**	**586**
Private household workers, living in	76	76	–	–	71	44	12	15	–	–	–
Private household workers, living out	1 073	1 068	–	–	921	305	200	416	226	413	586
Unemployed persons, last worked 1959 or earlier[2]	**172**	**172**	**–**	**–**	**...**	**...**	**...**	**...**	**...**	**...**	**...**

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
MADISON SMSA											
Male, 16 years old and over	**73 785**	**72 562**	**550**	**509**	**72 941**	**50 890**	**15 423**	**6 628**	**1 088**	**3 278**	**13 053**
Professional, technical, and kindred workers	**17 905**	**17 332**	**139**	**180**	**17 667**	**11 830**	**4 522**	**1 315**	**98**	**570**	**2 313**
Accountants	1 239	1 234	–	–	1 221	983	210	28	9	37	33
Architects	171	171	–	–	171	151	16	4	–	6	11
Computer specialists	497	497	–	8	492	366	102	24	–	6	16
Engineers	1 724	1 713	–	28	1 724	1 426	226	72	30	33	168
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–
Civil	511	506	–	6	511	415	79	17	6	8	47
Electrical and electronic	386	380	–	7	386	325	42	19	–	5	29
Mechanical	167	167	–	15	167	142	11	14	6	10	30
Other engineers	660	660	–	–	660	544	94	22	18	10	62
Lawyers and judges	649	635	7	–	649	456	131	62	6	6	44
Life and physical scientists	701	672	4	15	695	512	142	41	–	9	34
Chemists	249	224	–	7	243	176	55	12	–	–	11
Physicians, dentists, and related practitioners	1 232	1 171	16	15	1 227	935	256	36	9	26	99
Dentists	139	139	–	–	134	64	70	–	–	6	11
Pharmacists	242	231	4	–	242	190	35	17	–	5	38
Physicians, medical and osteopathic	692	642	12	15	692	544	129	19	9	15	42
Other related practitioners	159	159	–	–	159	137	22	–	–	–	8
Health technologists and technicians	207	203	4	–	202	131	57	14	10	19	61
Religious workers	324	324	–	–	324	243	71	10	–	5	19
Social scientists	278	278	–	–	278	207	65	6	–	–	35
Social and recreation workers	293	287	6	–	288	199	73	16	–	30	220
Teachers	4 906	4 708	33	77	4 808	2 409	1 992	407	6	162	484
College and university	3 673	3 475	33	64	3 586	1 884	1 364	338	6	126	348
Elementary and prekindergarten	270	270	–	–	259	95	138	26	–	–	18
Secondary	821	821	–	6	821	348	440	33	–	36	92
Engineering and science technicians	1 424	1 372	21	9	1 408	1 024	268	116	8	73	349
Draftsmen and surveyors	492	488	4	9	481	365	98	18	–	34	167
Electrical and electronic engineering technicians	281	270	11	–	281	203	48	30	–	–	28
Technicians, except health, and engineering and science	275	271	4	–	275	194	62	19	–	11	10
Airplane pilots	59	59	–	–	59	44	15	–	–	–	–
Writers, artists, and entertainers	1 147	1 141	6	–	1 142	802	217	123	7	30	200
Other professional, technical, and kindred workers	2 838	2 655	38	28	2 763	1 792	634	337	13	117	530
Managers and administrators, except farm	**8 262**	**8 235**	**19**	**68**	**8 215**	**7 203**	**860**	**152**	**124**	**259**	**413**
Buyers, purchasing agents, and sales managers	938	938	–	4	938	844	85	9	5	35	45
School administrators	301	301	–	–	301	167	131	3	–	12	11
Specified managers and administrators, public administration	846	846	–	5	846	796	46	4	26	46	41
Other specified managers and administrators	1 543	1 535	5	20	1 534	1 316	133	85	23	41	95
Managers and administrators, n.e.c., salaried	3 863	3 849	14	39	3 836	3 438	351	47	50	76	177
Manufacturing	643	643	–	–	637	589	48	–	6	14	38
Wholesale and retail trade	1 306	1 302	4	24	1 295	1 135	139	21	19	20	75
Transportation, communications, and other public utilities	339	334	5	–	339	305	30	4	10	11	13
All other industries	1 575	1 570	5	15	1 565	1 409	134	22	15	31	51
Managers and administrators, n.e.c., self-employed	771	766	–	–	760	642	114	4	20	49	44
Construction	136	136	–	–	136	100	36	–	–	12	10
Manufacturing	45	45	–	–	45	33	12	–	–	6	5
Wholesale and retail trade	443	443	–	–	437	393	40	4	13	31	5
All other industries	147	142	–	–	142	116	26	–	7	–	24
Sales workers	**5 431**	**5 410**	**8**	**23**	**5 381**	**3 886**	**1 048**	**447**	**60**	**151**	**617**
Insurance agents, brokers, and underwriters	868	868	–	–	868	679	145	44	5	21	23
Real estate agents and brokers	265	265	–	–	260	197	58	5	4	11	4
Sales representatives, manufacturing industries	516	516	–	–	511	431	75	5	10	9	50
Sales representatives, wholesale trade	921	915	–	7	921	795	102	24	–	21	54
Sales clerks, retail trade	1 351	1 351	–	8	1 336	794	330	212	19	45	244
Salesmen, retail trade	599	595	4	–	589	468	106	15	8	11	38
Salesmen of services and construction	267	263	4	–	267	172	84	11	–	–	62
Other sales workers	644	637	–	8	629	350	148	131	14	33	142
Clerical and kindred workers	**5 203**	**5 145**	**48**	**70**	**5 171**	**3 731**	**891**	**549**	**101**	**270**	**1 049**
Bank tellers and cashiers	220	204	11	–	220	127	43	50	–	14	83
Bookkeepers and billing clerks	419	419	–	–	414	321	47	46	–	9	41
Mail handlers and postal clerks	828	816	12	–	828	774	42	12	23	43	79
Other clerical and kindred workers	3 736	3 706	25	70	3 709	2 509	759	441	78	204	846
Craftsmen and kindred workers	**11 880**	**11 817**	**48**	**24**	**11 825**	**8 739**	**2 585**	**501**	**231**	**507**	**1 380**
Apparel craftsmen and upholsterers	46	46	–	–	46	35	11	–	–	–	–
Bakers	84	84	–	–	84	63	16	5	–	–	21
Cabinetmakers	97	97	–	–	93	69	19	5	–	5	11
Construction craftsmen	3 541	3 522	14	5	3 535	2 154	1 212	169	92	143	489
Carpenters	1 278	1 278	–	5	1 272	782	405	85	34	56	189
Excavating, grading, and road machine operators	320	320	–	–	320	184	122	14	6	12	35
Electricians	538	528	5	–	538	382	141	15	11	15	52
Masons and tile setters	227	227	–	–	227	92	121	14	–	4	21
Painters, construction and maintenance, and paperhangers	397	388	9	–	397	180	191	26	26	34	124
Plasterers and cement finishers	88	88	–	–	88	48	40	–	11	9	5
Plumbers and pipe fitters	514	514	–	–	514	394	111	9	4	5	24
Other construction craftsmen	179	179	–	–	179	92	81	6	–	8	39
Foremen, n.e.c.	1 464	1 464	–	–	1 464	1 315	106	43	33	66	106
Manufacturing	633	633	–	–	633	586	27	20	9	18	50
Nonmanufacturing industries	831	831	–	–	831	729	79	23	24	48	56
Linemen and servicemen, telephone and power	603	597	6	6	599	519	70	10	5	11	32
Locomotive engineers and firemen	45	45	–	–	45	26	19	–	11	14	5
Mechanics and repairmen	2 848	2 835	8	–	2 848	2 204	514	130	44	91	214
Air conditioning, heating, and refrigeration	113	113	–	–	113	97	11	5	–	11	6
Aircraft	48	48	–	–	48	48	–	–	–	–	–
Automobile, including body	1 224	1 219	–	–	1 224	953	219	52	15	20	38
Radio and television	233	233	–	–	233	146	71	16	10	12	38
Other mechanics and repairmen	1 230	1 222	8	–	1 230	960	213	57	19	48	132
Metal craftsmen, except mechanics	945	945	–	6	945	748	188	9	5	27	70
Machinists and job and die setters	355	355	–	6	355	287	64	4	5	18	25
Sheetmetal workers and tinsmiths	290	290	–	–	290	222	68	–	–	9	17
Tool and die makers	185	185	–	–	185	150	30	5	–	–	12
Other metal craftsmen	115	115	–	–	115	89	26	–	–	–	16
Printing craftsmen	640	630	10	–	634	524	79	31	–	37	30
Compositors and typesetters	233	233	–	–	233	196	37	–	–	14	14
Pressmen and plate printers, printing	261	256	5	–	255	211	38	6	–	19	10
Stationary engineers and power station operators	193	193	–	–	188	148	35	5	9	10	11
Other craftsmen and kindred workers	1 374	1 359	10	7	1 344	934	316	94	32	103	391

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
MADISON SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**6 355**	**6 198**	**93**	**44**	**6 269**	**4 229**	**1 289**	**751**	**115**	**446**	**1 631**
Assemblers	537	526	–	10	532	300	168	64	15	41	165
Checkers, examiners, and inspectors; manufacturing	219	215	4	–	219	148	45	26	–	16	54
Garage workers and gas station attendants	750	750	–	–	729	266	236	227	4	20	158
Laundry and drycleaning operatives, n.e.c	78	78	–	–	78	46	17	15	–	6	50
Meat cutters and butchers	879	879	–	–	879	698	147	34	25	54	72
Mine operatives, n.e.c	8	8	–	–	8	4	4	–	–	5	–
Packers and wrappers, except produce	273	270	3	7	251	187	26	38	–	21	139
Painters, manufactured articles	66	66	–	–	66	57	9	–	–	–	24
Precision machine operatives	269	269	–	7	269	180	79	10	13	49	58
Sawyers	33	33	–	–	33	30	3	–	–	–	14
Stationary firemen	112	112	–	–	112	93	19	–	21	24	6
Textile operatives	80	80	–	–	76	69	7	–	–	–	15
Welders and flamecutters	417	397	15	–	417	332	60	25	5	21	69
Other metalworking operatives	182	176	6	–	182	140	32	10	4	13	77
Other specified operatives	909	840	25	–	888	594	145	149	13	68	241
Miscellaneous and not specified operatives	1 543	1 499	40	20	1 530	1 085	292	153	15	108	489
Occupation:											
Machine operatives, miscellaneous specified	688	663	21	15	681	504	86	91	5	30	150
Machine operatives, not specified	249	245	4	–	249	182	58	9	6	16	80
Miscellaneous operatives	376	361	15	5	370	222	115	33	4	32	170
Not specified operatives	230	230	–	–	230	177	33	20	–	30	89
Industry:											
Manufacturing	1 087	1 043	40	20	1 087	818	161	108	5	88	382
Durable goods	574	543	31	12	574	423	116	35	5	36	155
Wood products, including furniture	23	23	–	–	23	23	–	–	–	–	27
Primary metal industries	122	116	6	7	122	93	17	12	–	6	11
Fabricated metal industries	32	32	–	5	32	17	15	–	–	–	20
Machinery, including electrical	262	237	25	–	262	197	51	14	5	25	52
Motor vehicles and equipment	38	38	–	–	38	3	26	9	–	–	11
Transportation equipment, except motor vehicles	4	4	–	–	4	4	–	–	–	–	6
Other durable goods	93	93	–	–	93	86	7	–	–	5	28
Nondurable goods	508	495	9	8	508	395	40	73	–	52	206
Food and kindred products	442	437	5	8	442	359	35	48	–	15	122
Apparel and other fabricated textile products	–	–	–	–	–	–	–	–	–	–	–
Paper and allied products	13	5	4	–	13	4	5	4	–	22	36
Chemicals and allied products	22	22	–	–	22	17	–	5	–	–	6
Other nondurable goods	31	31	–	–	31	15	–	16	–	15	42
Not specified manufacturing industries	5	5	–	–	5	–	5	–	–	–	21
Nonmanufacturing industries	456	456	–	–	443	267	131	45	10	20	107
Transportation, communications, and other public utilities	52	52	–	–	52	41	11	–	–	6	10
Wholesale and retail trade	158	158	–	–	151	84	40	27	4	3	60
All other industries	246	246	–	–	240	142	80	18	6	11	37
Transport equipment operatives	**3 454**	**3 417**	**32**	**12**	**3 431**	**2 237**	**883**	**311**	**30**	**127**	**618**
Bus drivers	220	216	4	–	220	167	47	6	4	–	17
Taxicab drivers and chauffeurs	225	225	–	7	219	100	83	36	–	18	57
Truck drivers and deliverymen	2 560	2 543	17	5	2 548	1 733	590	225	21	85	423
Other transport equipment operatives	449	433	11	–	444	237	163	44	5	24	121
Laborers, except farm	**3 644**	**3 583**	**35**	**15**	**3 563**	**1 849**	**956**	**758**	**63**	**284**	**2 076**
Construction laborers	784	775	4	–	780	396	287	97	16	55	412
Freight, stock, and material handlers	1 381	1 358	8	6	1 340	638	349	353	23	77	658
Other specified laborers	833	818	9	9	797	465	159	173	24	86	611
Miscellaneous and not specified laborers	646	632	14	–	646	350	161	135	–	66	395
Occupation:											
Miscellaneous laborers	101	101	–	–	101	44	38	19	–	8	94
Not specified laborers	545	531	14	–	545	306	123	116	–	58	301
Industry:											
Manufacturing	295	289	6	–	295	215	49	31	–	32	147
Durable goods	103	103	–	–	103	66	22	15	–	12	75
Wood products, including furniture	15	15	–	–	15	5	5	5	–	–	–
Metal industries	11	11	–	–	11	11	–	–	–	–	37
Machinery, including electrical	40	40	–	–	40	23	17	–	–	12	11
Transportation equipment	8	8	–	–	8	4	–	4	–	–	6
Other durable goods	29	29	–	–	29	23	–	6	–	–	21
Nondurable goods	192	186	6	–	192	149	27	16	–	20	72
Food and kindred products	121	121	–	–	121	95	15	11	–	5	28
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	351	343	8	–	351	135	112	104	–	34	248
Railroads and railway express service	27	27	–	–	27	5	16	6	–	3	36
Transportation, except railroads	–	–	–	–	–	–	–	–	–	5	5
Communications, and utilities and sanitary services	40	40	–	–	40	34	6	–	–	–	11
Wholesale and retail trade	135	127	8	–	135	49	50	36	–	17	92
All other industries	149	149	–	–	149	47	40	62	–	9	104
Farmers and farm managers	**2 612**	**2 599**	**7**	**–**	**2 586**	**2 370**	**161**	**55**	**105**	**161**	**262**
Farm laborers and farm foremen	**1 109**	**1 098**	**6**	**15**	**1 090**	**722**	**193**	**175**	**18**	**62**	**505**
Paid farm laborers and farm foremen	800	789	6	15	795	521	146	128	18	57	406
Unpaid family workers	309	309	–	–	295	201	47	47	–	5	99
Service workers, except private household[1]	**7 889**	**7 687**	**115**	**58**	**7 712**	**4 083**	**2 026**	**1 603**	**143**	**441**	**2 178**
Cleaning service workers	2 494	2 433	46	16	2 450	1 504	567	379	67	187	620
Food service workers	2 624	2 556	26	29	2 548	806	891	851	39	116	830
Cooks, except private household	733	705	7	14	725	280	255	190	6	15	170
Busboys and dishwashers	714	705	4	15	672	110	228	334	13	33	318
Health service workers	462	432	18	–	462	228	126	108	–	51	142
Personal service workers	640	620	15	6	631	395	171	65	15	45	264
Protective service workers	1 089	1 084	5	7	1 084	888	143	53	18	37	123
Firemen, fire protection	205	205	–	7	205	188	17	–	–	–	22
Guards and watchmen	272	272	–	–	272	191	60	21	3	28	74
Policemen and detectives	533	528	5	–	533	469	42	22	10	4	27
Private household workers	**31**	**31**	**–**	**–**	**31**	**11**	**9**	**11**	**–**	**–**	**11**
Unemployed persons, last worked 1959 or earlier[2]	**10**	**10**	**–**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
MADISON SMSA—Continued											
Female, 16 years old and over	**52 965**	**52 131**	**452**	**271**	**51 199**	**25 077**	**16 633**	**9 489**	**3 478**	**9 130**	**15 872**
Professional, technical, and kindred workers	**11 472**	**11 186**	**72**	**77**	**11 144**	**4 456**	**4 896**	**1 792**	**684**	**1 854**	**2 860**
Accountants	489	484	5	–	480	358	83	39	32	75	60
Computer specialists	145	140	–	8	145	81	53	11	7	12	36
Librarians	233	221	7	–	227	104	95	28	20	61	91
Mathematical specialists	9	9	–	–	9	9	–	–	5	11	4
Life and physical scientists	156	142	–	–	156	113	17	26	5	16	20
Registered nurses, dietitians, and therapists	2 347	2 294	9	23	2 287	1 291	699	297	125	350	361
Dietitians	209	182	9	–	201	134	52	15	–	17	32
Registered nurses	1 958	1 936	–	23	1 906	1 060	596	250	112	295	285
Health technologists and technicians	733	710	5	–	729	456	169	104	38	136	78
Social scientists	80	75	–	–	80	20	33	27	–	5	24
Social and recreation workers	379	369	10	–	369	218	85	66	5	114	301
Teachers: College and university	1 302	1 253	4	–	1 265	301	675	289	29	147	287
Elementary and prekindergarten	2 024	2 012	6	13	1 979	171	1 481	327	216	358	524
Secondary	802	802	–	7	784	126	591	67	68	173	261
Other teachers	313	303	–	–	304	86	154	64	13	34	84
Engineering and science technicians	282	271	–	8	277	146	96	35	11	28	117
Technicians, except health, and engineering and science	59	59	–	–	54	33	21	–	6	11	10
Writers, artists, and entertainers	572	572	–	–	551	238	184	129	44	82	212
Actors and dancers	14	14	–	–	14	–	9	5	–	5	10
Authors, editors, and reporters	250	250	–	–	250	127	66	57	21	19	35
Other professional, technical, and kindred workers	1 547	1 470	26	18	1 448	705	460	283	60	241	390
Managers and administrators, except farm	**1 598**	**1 581**	**13**	**13**	**1 560**	**1 094**	**318**	**148**	**61**	**202**	**213**
Buyers, purchasing agents, and sales managers	172	172	–	7	172	91	55	26	10	24	28
Restaurant, cafeteria, and bar managers	104	104	–	–	104	71	24	9	–	46	28
School administrators	124	111	13	6	124	47	71	6	–	18	18
Other specified managers and administrators	416	416	–	–	400	295	61	44	–	46	64
Managers and administrators, n.e.c., salaried	610	606	–	–	594	465	82	47	39	49	51
Wholesale and retail trade	167	163	–	–	151	112	19	20	19	10	2
Managers and administrators, n.e.c., self-employed	172	172	–	–	166	125	25	16	12	19	24
Wholesale and retail trade	77	77	–	–	71	51	10	10	8	19	4
Sales workers	**3 709**	**3 685**	**9**	**7**	**3 515**	**1 451**	**1 034**	**1 030**	**303**	**781**	**1 582**
Demonstrators, hucksters, and peddlers	206	206	–	–	179	62	47	70	9	44	102
Insurance, real estate agents, and brokers	166	166	–	–	161	91	41	29	11	11	36
Sales clerks, retail trade	2 639	2 624	–	7	2 549	1 065	729	755	236	667	1 142
Salesmen, retail trade	68	68	–	–	51	22	25	4	20	9	18
Other sales workers	630	621	9	–	575	211	192	172	27	50	284
Clerical and kindred workers	**20 480**	**20 271**	**149**	**61**	**19 931**	**11 268**	**5 478**	**3 185**	**1 386**	**3 455**	**5 642**
Bank tellers	315	315	–	–	310	220	58	32	16	60	66
Bookkeepers	1 974	1 963	11	–	1 944	1 361	427	156	168	209	340
Cashiers	1 270	1 266	–	7	1 205	465	456	284	32	261	414
Counter clerks, except food	284	284	–	–	268	134	96	38	9	30	107
Enumerators and interviewers	27	27	–	–	21	6	6	9	21	72	66
File clerks	638	629	–	–	612	198	194	220	53	91	242
Office machine operators	1 243	1 214	16	–	1 185	625	365	195	61	149	197
Bookkeeping and billing machine operators	189	189	–	–	179	109	49	21	–	27	30
Keypunch operators	826	797	16	–	787	380	260	147	52	104	130
Payroll and timekeeping clerks	79	79	–	–	79	55	24	–	–	35	15
Receptionists	700	688	12	–	680	393	163	124	45	233	311
Secretaries	5 070	5 051	14	9	5 005	3 090	1 366	549	304	883	1 135
Stenographers	451	446	5	–	451	292	90	69	65	77	41
Telephone operators	529	524	5	–	517	241	153	123	61	80	211
Typists	2 272	2 250	18	–	2 217	1 190	634	393	196	408	723
Other clerical and kindred workers	5 628	5 535	68	45	5 437	2 998	1 446	993	355	867	1 774
Craftsmen and kindred workers	**564**	**550**	**5**	**5**	**555**	**326**	**150**	**79**	**37**	**50**	**127**
Foremen, n.e.c.	140	135	–	–	140	115	25	–	10	8	13
Operatives, except transport	**2 826**	**2 772**	**28**	**36**	**2 718**	**1 566**	**767**	**385**	**235**	**678**	**1 142**
Assemblers	360	355	5	10	347	235	73	39	46	101	218
Bottling and canning operatives	61	56	5	–	51	37	14	–	4	21	23
Checkers, examiners, and inspectors; manufacturing	138	138	–	9	128	58	65	5	10	17	29
Dressmakers and seamstresses, except factory	149	140	–	–	149	90	43	16	10	19	56
Laundry and drycleaning operatives, including ironers	391	374	4	–	383	209	95	79	47	68	90
Graders and sorters, manufacturing	10	10	–	–	10	5	5	–	14	17	26
Packers and wrappers, except produce	499	490	5	6	489	316	116	57	37	115	220
Sewers and stitchers	97	97	–	–	97	55	31	11	6	31	22
Textile operatives	10	10	–	–	10	10	–	–	–	5	10
Other specified operatives	380	376	4	6	347	183	103	61	30	135	178
Miscellaneous and not specified operatives	731	726	5	5	707	368	222	117	31	149	270
Manufacturing	465	465	–	–	447	244	136	67	31	109	196
Durable goods	252	252	–	–	247	149	81	17	5	70	113
Machinery, including electrical	67	67	–	–	62	33	20	9	5	27	30
Other durable goods	185	185	–	–	185	116	61	8	–	43	83
Nondurable goods, including not specified manufacturing	213	213	–	–	200	95	55	50	26	39	83
Food and kindred products	92	92	–	–	87	36	30	21	5	8	52
Apparel and other fabricated textile products	5	5	–	–	5	–	–	5	–	4	–
Nonmanufacturing industries	266	261	5	5	260	124	86	50	–	40	74
Transport equipment operatives	**140**	**140**	**–**	**–**	**140**	**22**	**82**	**36**	**4**	**10**	**22**
Laborers, except farm	**326**	**326**	**–**	**6**	**326**	**172**	**75**	**79**	**41**	**108**	**204**
Farmers and farm managers	**223**	**223**	**–**	**–**	**208**	**182**	**26**	**–**	**–**	**11**	**51**
Farm laborers and farm foremen	**351**	**345**	**–**	**–**	**309**	**239**	**38**	**32**	**14**	**29**	**173**
Paid farm laborers and farm foremen	92	92	–	–	92	55	21	16	9	16	71
Unpaid family workers	259	253	–	–	217	184	17	16	5	13	102
Service workers, except private household[1]	**10 036**	**9 842**	**150**	**54**	**9 632**	**3 985**	**3 283**	**2 364**	**625**	**1 783**	**3 515**
Cleaning service workers	1 266	1 204	48	–	1 231	643	346	242	91	310	310
Chambermaids and maids	436	418	8	–	426	183	139	104	26	98	163
Food service workers	4 216	4 173	34	19	4 024	1 211	1 641	1 172	280	792	1 766
Cooks, except private household	843	810	24	11	833	341	389	103	65	205	217
Waiters and food counter workers	2 424	2 414	10	8	2 266	627	826	813	143	475	1 238
Health service workers	2 704	2 647	47	22	2 631	1 426	692	513	133	361	777
Nursing aides, orderlies, and attendants	1 841	1 795	40	22	1 810	945	490	375	76	256	582
Practical nurses	338	338	–	–	338	229	67	42	29	41	65
Personal service workers	1 044	1 044	–	7	1 004	432	342	230	75	232	411
Hairdressers and cosmetologists	446	446	–	7	435	242	153	40	56	83	69
Private household workers	**1 221**	**1 191**	**26**	**12**	**1 161**	**316**	**486**	**359**	**88**	**169**	**341**
Private household workers, living in	81	81	–	6	81	49	32	–	6	11	–
Private household workers, living out	1 140	1 110	26	6	1 080	267	454	359	82	158	341
Unemployed persons, last worked 1959 or earlier[2]	**19**	**19**	**–**	**–**	…	…	…	…	…	…	…

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
MILWAUKEE SMSA											
Male, 16 years old and over	**361 615**	**339 058**	**20 725**	**5 037**	**357 468**	**266 916**	**67 625**	**22 927**	**8 361**	**17 364**	**31 025**
Professional, technical, and kindred workers	**53 884**	**52 468**	**1 086**	**553**	**53 545**	**40 351**	**10 789**	**2 405**	**445**	**1 135**	**2 294**
Accountants	4 786	4 744	39	47	4 762	4 063	454	245	39	122	106
Architects	334	334	–	–	334	276	58	–	–	5	15
Computer specialists	1 538	1 517	13	12	1 534	1 360	127	47	6	–	27
Engineers	11 475	11 344	68	72	11 454	10 354	821	279	120	305	295
Aeronautical and astronautical	15	10	–	–	15	4	11	–	–	–	7
Civil	1 112	1 101	11	8	1 112	1 020	83	9	5	44	47
Electrical and electronic	2 743	2 681	39	8	2 732	2 432	217	83	33	54	95
Mechanical	2 118	2 103	6	12	2 113	1 914	168	31	21	56	62
Other engineers	5 487	5 449	12	44	5 482	4 984	342	156	61	151	84
Lawyers and judges	2 089	2 082	7	6	2 070	1 757	260	53	26	22	56
Life and physical scientists	964	930	28	28	964	792	147	25	16	21	21
Chemists	624	598	20	9	624	520	90	14	16	21	17
Physicians, dentists, and related practitioners	3 628	3 473	46	56	3 612	2 547	943	122	39	65	119
Dentists	734	734	–	–	729	282	412	35	18	16	18
Pharmacists	661	653	5	13	661	550	96	15	16	19	27
Physicians, medical and osteopathic	1 935	1 788	41	35	1 924	1 464	388	72	5	26	65
Other related practitioners	298	298	–	8	298	251	47	–	–	4	9
Health technologists and technicians	526	478	37	14	522	365	132	25	–	12	46
Religious workers	1 516	1 480	31	10	1 491	1 275	163	53	5	32	47
Social scientists	742	729	13	5	742	627	98	17	–	12	20
Social and recreation workers	1 093	958	129	30	1 072	729	221	122	11	37	219
Teachers	8 457	8 162	239	122	8 399	3 212	4 592	595	22	120	303
College and university	2 162	2 089	32	51	2 142	1 035	970	137	9	36	81
Elementary and prekindergarten	1 851	1 760	91	6	1 847	648	1 055	144	9	19	93
Secondary	3 844	3 739	93	39	3 810	1 234	2 329	247	4	61	71
Engineering and science technicians	6 250	6 145	89	40	6 215	5 117	865	233	43	138	335
Draftsmen and surveyors	3 272	3 250	18	19	3 256	2 706	437	113	27	79	142
Electrical and electronic engineering technicians	1 206	1 189	5	8	1 206	1 010	163	33	6	15	42
Technicians, except health, and engineering and science	510	510	–	–	510	414	84	12	–	21	29
Airplane pilots	108	108	–	–	108	98	10	–	–	9	–
Writers, artists, and entertainers	4 075	3 969	76	41	4 046	3 002	774	270	54	78	289
Other professional, technical, and kindred workers	5 901	5 613	271	70	5 818	4 461	1 050	307	64	145	367
Managers and administrators, except farm	**35 863**	**35 259**	**544**	**220**	**35 777**	**31 825**	**3 354**	**598**	**704**	**1 217**	**1 237**
Buyers, purchasing agents, and sales managers	5 624	5 605	15	25	5 619	5 166	384	69	83	102	134
School administrators	994	960	34	–	994	595	384	15	–	25	21
Specified managers and administrators, public administration	1 635	1 588	47	7	1 630	1 498	96	36	38	51	86
Other specified managers and administrators	6 019	5 835	166	25	5 985	5 082	763	140	165	235	339
Managers and administrators, n.e.c., salaried	18 382	18 137	218	126	18 355	16 878	1 242	235	268	543	491
Manufacturing	6 669	6 622	41	42	6 664	6 275	319	70	100	230	159
Wholesale and retail trade	5 310	5 231	75	43	5 297	4 857	372	68	47	99	90
Transportation, communications, and other public utilities	1 479	1 457	16	7	1 479	1 378	96	5	32	93	48
All other industries	4 924	4 827	86	34	4 915	4 368	455	92	89	121	194
Managers and administrators, n.e.c., self-employed	3 209	3 134	64	37	3 194	2 606	485	103	150	261	166
Construction	412	405	7	8	407	252	127	28	15	25	37
Manufacturing	300	300	–	–	300	264	26	10	–	29	21
Wholesale and retail trade	1 715	1 674	37	29	1 715	1 451	222	42	99	133	68
All other industries	782	755	20	–	772	639	110	23	36	74	40
Sales workers	**24 896**	**24 472**	**399**	**161**	**24 694**	**19 220**	**3 966**	**1 508**	**357**	**879**	**1 692**
Insurance agents, brokers, and underwriters	3 184	3 125	59	36	3 179	2 608	464	107	37	94	104
Real estate agents and brokers	1 198	1 168	30	5	1 191	960	198	33	20	47	39
Sales representatives, manufacturing industries	3 917	3 875	42	12	3 909	3 363	486	60	31	113	92
Sales representatives, wholesale trade	5 270	5 251	10	27	5 265	4 494	660	111	60	91	162
Sales clerks, retail trade	4 613	4 483	119	44	4 581	2 755	1 099	727	113	207	570
Salesmen, retail trade	2 321	2 293	23	14	2 292	1 816	365	111	41	69	133
Salesmen of services and construction	1 436	1 419	17	10	1 407	1 135	197	75	11	51	112
Other sales workers	2 957	2 858	99	13	2 870	2 089	497	284	44	207	480
Clerical and kindred workers	**27 624**	**26 519**	**1 002**	**336**	**27 346**	**21 157**	**4 110**	**2 079**	**734**	**1 458**	**2 425**
Bank tellers and cashiers	526	504	17	–	508	285	124	99	32	82	106
Bookkeepers and billing clerks	1 516	1 489	20	8	1 498	1 210	206	82	57	79	133
Mail handlers and postal clerks	3 955	3 749	185	68	3 939	3 373	374	192	58	164	162
Other clerical and kindred workers	21 627	20 777	780	260	21 401	16 289	3 406	1 706	587	1 133	2 024
Craftsmen and kindred workers	**78 230**	**74 391**	**3 493**	**958**	**77 675**	**60 379**	**14 919**	**2 377**	**2 323**	**4 423**	**4 264**
Apparel craftsmen and upholsterers	433	411	18	26	433	292	128	13	41	64	44
Bakers	631	605	26	10	626	450	94	82	21	49	59
Cabinetmakers	434	434	–	13	428	316	95	17	12	26	23
Construction craftsmen	16 853	16 255	496	166	16 712	10 269	5 798	645	624	919	1 214
Carpenters	4 067	3 999	59	7	4 020	2 174	1 675	171	196	246	316
Excavating, grading, and road machine operators	1 264	1 157	98	23	1 254	821	394	39	25	61	77
Electricians	3 449	3 378	62	35	3 433	2 763	611	59	79	154	100
Masons and tile setters	1 692	1 642	40	11	1 683	695	938	50	43	74	119
Painters, construction and maintenance, and paperhangers	2 064	1 917	128	51	2 018	1 104	730	184	133	217	375
Plasterers and cement finishers	597	501	81	20	597	215	372	10	37	52	77
Plumbers and pipe fitters	2 573	2 529	28	–	2 573	1 868	627	78	74	74	100
Other construction craftsmen	1 147	1 132	–	19	1 134	629	451	54	37	41	50
Foremen, n.e.c.	12 709	12 476	197	131	12 695	11 539	1 068	88	392	717	381
Manufacturing	8 797	8 638	144	97	8 793	8 118	621	54	304	504	267
Nonmanufacturing industries	3 912	3 838	53	34	3 902	3 421	447	34	88	213	114
Linemen and servicemen, telephone and power	1 843	1 769	64	26	1 843	1 512	249	82	15	49	63
Locomotive engineers and firemen	440	425	15	16	437	289	128	20	14	49	48
Mechanics and repairmen	14 304	13 778	490	132	14 201	11 472	2 274	455	248	536	568
Air conditioning, heating, and refrigeration	529	522	7	–	529	445	69	15	4	10	28
Aircraft	185	185	–	6	185	169	–	16	–	–	–
Automobile, including body	5 274	5 012	243	44	5 237	4 095	931	211	104	173	198
Radio and television	689	674	15	–	675	558	86	31	–	26	34
Other mechanics and repairmen	7 627	7 385	225	82	7 575	6 205	1 188	182	140	327	308
Metal craftsmen, except mechanics	15 778	14 854	846	259	15 697	13 044	2 313	340	514	1 060	552
Machinists and job and die setters	7 507	7 083	377	129	7 474	6 350	942	182	218	452	301
Sheetmetal workers and tinsmiths	1 295	1 277	18	11	1 288	976	294	18	45	95	32
Tool and die makers	3 237	3 179	48	16	3 220	2 767	405	48	118	182	63
Other metal craftsmen	3 739	3 315	403	103	3 715	2 951	672	92	133	331	156
Printing craftsmen	3 500	3 414	73	42	3 478	2 913	450	115	34	163	109
Compositors and typesetters	979	948	27	9	974	826	109	39	20	42	34
Pressmen and plate printers, printing	1 580	1 530	46	25	1 563	1 288	212	63	4	76	55
Stationary engineers and power station operators	1 403	1 338	59	12	1 394	1 199	157	38	38	118	62
Other craftsmen and kindred workers	9 902	8 632	1 209	125	9 731	7 084	2 165	482	370	673	1 141

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Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
MILWAUKEE SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**65 542**	**57 722**	**7 346**	**1 743**	**64 659**	**46 734**	**13 719**	**4 206**	**1 937**	**3 549**	**5 214**
Assemblers	7 468	6 988	454	109	7 429	5 368	1 694	367	207	431	444
Checkers, examiners, and inspectors; manufacturing	4 813	4 594	195	71	4 769	3 939	695	135	156	322	257
Garage workers and gas station attendants	2 615	2 506	109	28	2 497	915	750	832	27	52	530
Laundry and drycleaning operatives, n.e.c	400	330	50	–	387	266	63	58	17	25	32
Meat cutters and butchers	1 941	1 710	231	39	1 927	1 608	289	30	62	97	121
Mine operatives, n.e.c	75	65	10	–	75	52	17	6	3	10	9
Packers and wrappers, except produce	1 471	1 340	124	45	1 444	862	378	204	65	103	241
Painters, manufactured articles	974	902	72	44	968	723	198	47	33	49	82
Precision machine operatives	7 336	6 667	608	229	7 236	5 417	1 517	302	193	422	409
Sawyers	306	289	17	6	306	217	75	14	19	14	42
Stationary firemen	1 005	947	54	29	992	879	99	14	74	49	75
Textile operatives	153	108	40	12	148	70	69	9	–	–	23
Welders and flamecutters	6 511	5 455	996	166	6 470	4 888	1 347	235	96	266	209
Other metalworking operatives	4 247	3 627	606	180	4 203	3 037	962	204	103	234	277
Other specified operatives	9 121	7 281	1 727	96	8 860	6 021	2 269	570	373	505	1 152
Miscellaneous and not specified operatives	17 106	14 913	2 053	689	16 948	12 472	3 297	1 179	509	970	1 311
Occupation:											
Machine operatives, miscellaneous specified	5 929	5 135	743	295	5 871	4 394	1 091	386	193	347	427
Machine operatives, not specified	4 866	4 232	581	235	4 815	3 633	898	284	149	242	292
Miscellaneous operatives	3 757	3 221	515	108	3 734	2 613	706	415	65	207	392
Not specified operatives	2 554	2 325	214	51	2 528	1 832	602	94	102	174	200
Industry:											
Manufacturing	14 949	13 028	1 792	642	14 830	10 987	2 872	971	434	849	1 060
Durable goods	10 240	8 905	1 233	344	10 170	7 626	1 843	701	301	609	681
Wood products, including furniture	150	135	15	7	150	97	23	30	5	16	28
Primary metal industries	2 069	1 665	382	182	2 052	1 497	448	107	58	131	127
Fabricated metal industries	1 398	1 278	115	48	1 391	948	270	173	29	50	149
Machinery, including electrical	4 961	4 504	411	81	4 915	3 880	760	275	133	301	258
Motor vehicles and equipment	702	489	205	6	702	497	154	51	46	73	49
Transportation equipment, except motor vehicles	182	167	15	–	182	114	50	18	–	–	16
Other durable goods	778	667	90	20	778	593	138	47	30	38	54
Nondurable goods	4 602	4 037	538	289	4 553	3 276	1 015	262	121	224	375
Food and kindred products	1 978	1 843	131	29	1 967	1 391	523	53	79	128	150
Apparel and other fabricated textile products	16	10	6	–	10	10	–	–	–	4	–
Paper and allied products	659	578	70	63	647	478	117	52	15	23	67
Chemicals and allied products	323	310	6	37	317	265	41	11	–	20	23
Other nondurable goods	1 626	1 296	325	160	1 612	1 132	334	146	27	49	135
Not specified manufacturing industries	107	86	21	9	107	85	14	8	12	16	4
Nonmanufacturing industries	2 157	1 885	261	47	2 118	1 485	425	208	75	121	251
Transportation, communications, and other public utilities	473	454	19	6	469	386	56	27	22	34	37
Wholesale and retail trade	1 001	819	176	32	981	664	201	116	41	38	154
All other industries	683	612	66	9	668	435	168	65	12	49	60
Transport equipment operatives	**20 071**	**18 720**	**1 265**	**264**	**19 863**	**14 317**	**4 487**	**1 059**	**312**	**826**	**1 588**
Bus drivers	1 476	1 408	68	12	1 476	1 174	217	85	14	90	31
Taxicab drivers and chauffeurs	716	614	88	–	712	444	217	51	9	29	104
Truck drivers and deliverymen	13 674	13 013	631	142	13 545	9 807	3 066	672	239	557	923
Other transport equipment operatives	4 205	3 685	478	110	4 130	2 892	987	251	50	150	530
Laborers, except farm	**22 286**	**18 838**	**3 293**	**400**	**21 723**	**12 175**	**5 894**	**3 654**	**554**	**1 456**	**5 554**
Construction laborers	3 002	2 530	429	4	2 964	1 395	1 320	249	82	175	730
Freight, stock, and material handlers	9 741	8 885	814	73	9 514	5 297	2 353	1 864	107	410	1 833
Other specified laborers	4 429	3 334	1 059	61	4 241	2 363	1 070	808	127	469	1 999
Miscellaneous and not specified laborers	5 114	4 089	991	262	5 004	3 120	1 151	733	238	402	992
Occupation:											
Miscellaneous laborers	1 674	1 198	471	84	1 650	1 080	375	195	86	78	171
Not specified laborers	3 440	2 891	520	178	3 354	2 040	776	538	152	324	821
Industry:											
Manufacturing	3 293	2 553	735	221	3 244	2 053	778	413	117	250	493
Durable goods	2 518	1 880	633	177	2 477	1 561	631	285	71	180	345
Wood products, including furniture	41	41	–	–	41	19	12	10	–	5	11
Metal industries	992	689	298	123	973	583	279	111	21	63	140
Machinery, including electrical	1 029	826	203	36	1 019	682	215	122	25	68	112
Transportation equipment	303	183	120	8	295	184	87	24	21	23	42
Other durable goods	153	141	12	10	149	93	38	18	4	21	40
Nondurable goods	770	668	102	44	762	492	147	123	40	65	148
Food and kindred products	428	389	39	–	428	327	62	39	28	39	59
Not specified manufacturing industries	5	5	–	–	5	–	–	5	6	5	–
Nonmanufacturing industries	1 821	1 536	256	41	1 760	1 067	373	320	121	152	499
Railroads and railway express service	154	109	41	15	148	98	30	20	10	13	13
Transportation, except railroads	93	82	6	–	93	61	10	22	5	15	19
Communications, and utilities and sanitary services	353	289	64	–	338	251	49	38	26	27	48
Wholesale and retail trade	583	496	73	21	548	248	162	138	25	26	151
All other industries	638	560	72	5	633	409	122	102	55	71	268
Farmers and farm managers	**2 497**	**2 383**	**114**	**–**	**2 451**	**2 252**	**132**	**67**	**133**	**212**	**327**
Farm laborers and farm foremen	**1 320**	**1 261**	**59**	**8**	**1 285**	**798**	**272**	**215**	**55**	**156**	**645**
Paid farm laborers and farm foremen	1 155	1 096	59	8	1 130	707	235	188	38	119	521
Unpaid family workers	165	165	–	–	155	91	37	27	17	37	124
Service workers, except private household[1]	**29 189**	**26 863**	**2 078**	**380**	**28 341**	**17 645**	**5 954**	**4 742**	**790**	**2 025**	**5 761**
Cleaning service workers	9 045	8 353	649	178	8 807	5 428	2 044	1 335	364	906	1 570
Food service workers	7 521	6 982	409	83	7 139	3 030	1 897	2 212	132	428	2 218
Cooks, except private household	2 228	2 048	105	30	2 136	955	575	606	21	102	503
Busboys and dishwashers	1 964	1 807	143	21	1 770	244	500	1 026	22	137	978
Health service workers	857	674	173	6	844	449	246	149	12	44	157
Personal service workers	2 383	2 154	211	54	2 332	1 341	552	439	54	210	936
Protective service workers	6 909	6 734	167	34	6 909	5 957	649	303	128	311	338
Firemen, fire protection	1 496	1 491	5	–	1 496	1 435	50	11	5	23	19
Guards and watchmen	1 635	1 529	106	8	1 635	1 089	314	232	102	215	223
Policemen and detectives	3 339	3 279	52	26	3 339	3 089	219	31	11	44	73
Private household workers	**129**	**99**	**30**	**–**	**109**	**63**	**29**	**17**	**17**	**28**	**24**
Unemployed persons, last worked 1959 or earlier[2]	**84**	**63**	**16**	**14**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total experienced civilian labor force	White	Negro	Persons of Spanish language	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
MILWAUKEE SMSA—Continued											
Female, 16 years old and over	**231 136**	**213 309**	**16 640**	**2 298**	**222 447**	**119 051**	**66 776**	**36 620**	**19 554**	**46 330**	**51 116**
Professional, technical, and kindred workers	**33 529**	**31 787**	**1 541**	**221**	**32 758**	**13 127**	**14 977**	**4 654**	**2 016**	**5 039**	**5 843**
Accountants	1 576	1 534	29	7	1 539	1 141	259	139	92	222	195
Computer specialists	290	287	3	5	290	247	25	18	15	49	44
Librarians	608	576	24	–	598	233	291	74	31	56	86
Mathematical specialists	66	66	–	–	66	53	8	5	9	18	15
Life and physical scientists	151	142	9	7	151	120	11	20	6	25	8
Registered nurses, dietitians, and therapists	6 999	6 789	184	41	6 865	3 921	1 960	984	498	1 009	872
Dietitians	378	337	41	6	373	208	95	70	44	41	69
Registered nurses	5 879	5 733	124	35	5 782	3 380	1 637	765	412	828	727
Health technologists and technicians	2 089	1 983	88	14	2 045	1 208	561	276	114	299	252
Social scientists	123	120	3	–	113	53	36	24	16	31	35
Social and recreation workers	1 255	1 018	232	7	1 223	647	356	220	71	163	456
Teachers: College and university	1 165	1 112	42	21	1 132	272	727	133	38	119	172
Elementary and prekindergarten	9 025	8 534	442	73	8 887	1 367	6 113	1 407	604	1 619	1 676
Secondary	3 347	3 193	149	5	3 317	473	2 333	511	119	563	663
Other teachers	961	950	11	21	945	288	496	161	31	117	168
Engineering and science technicians	741	691	44	–	720	462	192	66	83	144	99
Technicians, except health, and engineering and science	110	105	5	–	105	50	43	12	–	5	–
Writers, artists, and entertainers	1 668	1 634	15	7	1 646	830	554	262	134	220	428
Actors and dancers	64	60	–	–	64	24	15	25	–	15	24
Authors, editors, and reporters	346	335	5	–	342	216	71	55	70	38	62
Other professional, technical, and kindred workers	3 355	3 053	261	13	3 116	1 762	1 012	342	155	380	673
Managers and administrators, except farm	**6 039**	**5 918**	**93**	**41**	**5 896**	**4 565**	**1 054**	**277**	**373**	**933**	**818**
Buyers, purchasing agents, and sales managers	947	947	–	5	943	803	103	37	66	104	98
Restaurant, cafeteria, and bar managers	631	621	5	–	606	441	123	42	75	121	82
School administrators	317	302	15	–	312	115	182	15	16	35	28
Other specified managers and administrators	1 392	1 357	27	14	1 337	1 063	190	84	89	220	287
Managers and administrators, n.e.c., salaried	2 224	2 173	36	17	2 187	1 713	391	83	87	331	259
Wholesale and retail trade	790	775	11	6	770	588	158	24	39	132	98
Managers and administrators, n.e.c., self-employed	528	518	10	5	511	430	65	16	40	122	64
Wholesale and retail trade	311	301	10	5	300	250	44	6	33	64	16
Sales workers	**20 705**	**20 184**	**470**	**114**	**19 849**	**8 833**	**6 174**	**4 842**	**1 838**	**5 053**	**6 212**
Demonstrators, hucksters, and peddlers	1 104	1 081	18	13	983	303	315	365	96	435	504
Insurance, real estate agents, and brokers	765	729	36	6	745	467	227	51	41	137	151
Sales clerks, retail trade	15 334	15 061	227	74	14 898	6 445	4 701	3 752	1 450	3 798	4 340
Salesmen, retail trade	517	497	20	–	498	183	172	143	33	108	158
Other sales workers	2 985	2 816	169	21	2 725	1 435	759	531	218	575	1 059
Clerical and kindred workers	**83 353**	**79 589**	**3 501**	**724**	**81 135**	**50 316**	**19 379**	**11 440**	**8 289**	**16 914**	**16 604**
Bank tellers	1 320	1 288	26	24	1 295	803	317	175	99	292	228
Bookkeepers	7 960	7 838	99	39	7 865	5 788	1 490	587	703	1 359	1 172
Cashiers	6 085	5 864	203	23	5 876	2 820	1 729	1 327	498	1 287	1 482
Counter clerks, except food	1 035	986	49	8	999	533	279	187	138	219	320
Enumerators and interviewers	256	236	15	–	224	56	55	113	93	71	167
File clerks	2 176	2 025	129	40	2 084	993	544	547	281	575	689
Office machine operators	4 219	3 850	336	54	4 166	2 603	990	573	451	878	544
Bookkeeping and billing machine operators	568	539	29	20	559	361	138	60	63	88	69
Keypunch operators	2 591	2 319	257	27	2 566	1 557	676	333	230	508	312
Payroll and timekeeping clerks	1 170	1 150	16	–	1 144	890	184	70	108	182	106
Receptionists	2 480	2 407	65	47	2 373	1 210	728	435	294	523	561
Secretaries	18 758	18 393	328	139	18 460	12 911	3 946	1 603	1 661	3 544	3 066
Stenographers	1 576	1 554	12	6	1 552	1 164	246	142	274	447	202
Telephone operators	2 275	2 068	207	13	2 161	1 240	530	391	305	549	445
Typists	8 043	7 632	376	42	7 871	4 485	2 047	1 339	1 147	1 960	1 796
Other clerical and kindred workers	26 000	24 298	1 640	289	25 065	14 820	6 294	3 951	2 237	5 028	5 826
Craftsmen and kindred workers	**4 330**	**4 052**	**265**	**57**	**4 244**	**2 761**	**1 105**	**378**	**346**	**805**	**700**
Foremen, n.e.c.	967	919	48	–	961	820	110	31	53	147	77
Operatives, except transport	**32 821**	**28 421**	**4 111**	**668**	**31 648**	**18 114**	**9 107**	**4 427**	**2 983**	**7 422**	**7 477**
Assemblers	6 979	6 440	502	107	6 764	3 994	1 936	834	523	1 333	1 290
Bottling and canning operatives	49	46	3	–	49	26	4	19	14	16	8
Checkers, examiners, and inspectors, manufacturing	3 078	2 815	244	27	3 025	1 979	711	335	200	577	507
Dressmakers and seamstresses, except factory	646	600	46	4	638	316	207	115	88	199	172
Laundry and drycleaning operatives, including ironers	1 713	1 166	526	7	1 640	924	501	215	208	341	492
Graders and sorters, manufacturing	105	92	13	–	105	82	19	4	11	60	68
Packers and wrappers, except produce	2 889	2 517	345	73	2 802	1 399	902	501	333	838	910
Sewers and stitchers	2 320	2 002	246	106	2 198	1 093	780	325	415	716	499
Textile operatives	394	353	36	7	365	194	131	40	9	140	120
Other specified operatives	6 992	5 686	1 251	105	6 619	3 980	1 768	871	663	1 396	1 819
Miscellaneous and not specified operatives	7 656	6 704	899	232	7 443	4 127	2 148	1 168	519	1 806	1 592
Manufacturing	6 901	6 085	768	218	6 732	3 808	1 935	989	428	1 570	1 341
Durable goods	4 113	3 660	420	127	4 034	2 410	1 159	465	188	726	613
Machinery, including electrical	2 409	2 106	286	40	2 363	1 507	609	247	128	378	326
Other durable goods	1 704	1 554	134	87	1 671	903	550	218	60	348	287
Nondurable goods, including not specified manufacturing	2 788	2 425	348	91	2 698	1 398	776	524	240	844	728
Food and kindred products	360	332	28	13	360	230	72	58	38	153	132
Apparel and other fabricated textile products	132	123	5	9	127	47	56	24	13	41	29
Nonmanufacturing industries	755	619	131	14	711	319	213	179	91	236	251
Transport equipment operatives	**764**	**701**	**63**	**–**	**727**	**236**	**328**	**163**	**22**	**101**	**195**
Laborers, except farm	**3 008**	**2 668**	**319**	**48**	**2 886**	**1 426**	**806**	**654**	**182**	**574**	**676**
Farmers and farm managers	**331**	**272**	**59**	**–**	**326**	**289**	**23**	**14**	**35**	**78**	**102**
Farm laborers and farm foremen	**516**	**458**	**58**	**–**	**458**	**267**	**100**	**91**	**24**	**127**	**239**
Paid farm laborers and farm foremen	257	203	54	–	218	43	94	81	14	119	164
Unpaid family workers	259	255	4	–	240	224	6	10	10	8	75
Service workers, except private household[1]	**41 323**	**35 808**	**5 214**	**391**	**38 773**	**17 570**	**12 546**	**8 657**	**3 045**	**8 380**	**11 086**
Cleaning service workers	5 962	4 892	1 038	94	5 647	3 256	1 392	999	518	1 443	1 248
Chambermaids and maids	1 314	1 006	303	12	1 241	708	321	212	65	291	432
Food service workers	16 148	15 030	991	84	15 137	5 534	5 555	4 048	1 224	3 456	4 885
Cooks, except private household	3 367	2 990	366	24	3 248	1 369	1 292	587	274	634	701
Waiters and food counter workers	8 235	7 922	230	38	7 687	2 545	2 799	2 343	603	2 024	3 099
Health service workers	10 080	8 071	1 949	128	9 542	4 744	2 835	1 963	501	1 668	2 285
Nursing aides, orderlies, and attendants	6 561	4 941	1 597	121	6 161	2 916	1 889	1 356	299	1 126	1 595
Practical nurses	1 588	1 383	193	7	1 536	900	420	216	75	280	252
Personal service workers	4 701	4 313	350	47	4 500	2 178	1 351	971	447	1 159	1 342
Hairdressers and cosmetologists	2 797	2 669	101	13	2 705	1 562	701	442	332	666	577
Private household workers	**4 046**	**3 104**	**922**	**34**	**3 747**	**1 547**	**1 177**	**1 023**	**401**	**904**	**1 165**
Private household workers, living in	384	359	16	11	375	274	51	50	–	11	4
Private household workers, living out	3 662	2 745	906	23	3 372	1 273	1 126	973	401	893	1 161
Unemployed persons, last worked 1959 or earlier[2]	**371**	**347**	**24**	**–**	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE								
Total								
Male, 16 years old and over	**1 069 205**	**796 355**	**127 916**	**21 842**	**34 368**	**71 706**	**138 867**	**6 067**
Professional, technical, and kindred workers	**136 894**	**79 139**	**44 606**	**3 629**	**18 290**	**22 687**	**13 098**	**51**
Accountants	10 333	7 964	1 452	538	690	224	904	13
Architects	746	447	90	4	63	23	209	–
Computer specialists	3 168	2 693	471	21	401	49	4	–
Engineers	21 738	18 915	2 319	384	1 099	836	504	–
Aeronautical and astronautical	29	25	4	4	–	–	–	–
Civil	2 698	1 144	1 455	119	709	627	99	–
Electrical and electronic	4 429	4 224	180	35	93	52	25	–
Mechanical	4 079	3 933	90	40	28	22	56	–
Other engineers	10 503	9 589	590	186	269	135	324	–
Lawyers and judges	4 763	1 281	782	120	308	354	2 700	–
Life and physical scientists	2 766	1 710	999	303	473	223	57	–
Chemists	1 559	1 318	236	48	143	45	5	–
Physicians, dentists, and related practitioners	9 994	3 400	1 045	297	459	289	5 549	–
Dentists	1 907	181	42	14	20	8	1 684	–
Pharmacists	2 061	1 515	111	19	48	44	435	–
Physicians, medical and osteopathic	4 625	1 493	823	227	359	237	2 309	–
Other related practitioners	1 401	211	69	37	32	–	1 121	–
Health technologists and technicians	1 473	962	478	72	176	230	33	–
Religious workers	5 165	4 492	19	10	9	–	654	–
Social scientists	1 494	894	551	58	237	256	49	–
Social and recreation workers	2 740	671	2 055	94	705	1 256	14	–
Teachers	30 637	5 905	24 463	204	8 046	16 213	265	4
College and university	9 822	1 918	7 904	68	7 115	721	–	–
Elementary and prekindergarten	5 983	1 315	4 668	40	244	4 384	–	–
Secondary	13 335	2 108	11 227	32	382	10 813	–	–
Engineering and science technicians	15 372	13 279	1 908	300	1 117	491	185	–
Draftsmen and surveyors	7 267	6 399	733	73	320	340	135	–
Electrical and electronic engineering technicians	2 247	1 979	259	63	162	34	9	–
Technicians, except health, and engineering and science	1 795	1 049	718	227	241	250	28	–
Airplane pilots	509	485	13	3	10	–	11	–
Writers, artists, and entertainers	9 109	6 951	723	49	538	136	1 415	20
Other professional, technical, and kindred workers	15 601	8 526	6 533	948	3 728	1 857	528	14
Managers and administrators, except farm	**106 778**	**74 305**	**12 294**	**2 266**	**3 341**	**6 687**	**20 016**	**163**
Buyers, purchasing agents, and sales managers	13 497	12 399	404	83	203	118	694	–
School administrators	3 468	638	2 815	3	483	2 329	15	–
Specified managers and administrators, public administration	5 972	–	5 972	1 844	1 569	2 559	–	–
Other specified managers and administrators	18 435	13 520	962	144	398	420	3 917	36
Managers and administrators, n.e.c., salaried	49 889	47 748	2 141	192	688	1 261	–	–
Manufacturing	16 047	16 008	39	30	9	–	–	–
Wholesale and retail trade	16 873	16 828	45	11	13	21	–	–
Transportation, communications and other public utilities	4 091	3 703	388	11	50	327	–	–
All other industries	12 878	11 209	1 669	140	616	913	–	–
Managers and administrators, n.e.c., self-employed	15 517	–	–	–	–	–	15 390	127
Construction	2 318	–	–	–	–	–	2 309	9
Manufacturing	1 290	–	–	–	–	–	1 287	3
Wholesale and retail trade	8 802	–	–	–	–	–	8 734	68
All other industries	3 107	–	–	–	–	–	3 060	47
Sales workers	**61 802**	**53 715**	**375**	**135**	**78**	**162**	**7 600**	**112**
Insurance agents, brokers, and underwriters	8 451	6 690	55	38	5	12	1 701	5
Real estate agents and brokers	2 936	1 685	19	6	5	8	1 226	6
Sales representatives, manufacturing industries	8 488	8 163	11	6	–	5	309	5
Sales representatives, wholesale trade	11 116	10 193	14	–	–	14	909	–
Sales clerks, retail trade	13 729	12 032	5	–	–	5	1 656	36
Salesmen, retail trade	7 134	6 280	21	–	5	16	814	19
Salesmen of services and construction	2 869	2 492	73	29	23	21	288	16
Other sales workers	7 079	6 180	177	56	40	81	697	25
Clerical and kindred workers	**64 941**	**48 515**	**15 543**	**10 312**	**2 890**	**2 341**	**769**	**114**
Bank tellers and cashiers	1 680	1 563	77	16	38	23	15	25
Bookkeepers and billing clerks	4 480	3 718	500	109	157	234	235	27
Mail handlers and postal clerks	9 572	886	8 680	8 520	124	36	6	–
Other clerical and kindred workers	49 209	42 348	6 286	1 667	2 571	2 048	513	62
Craftsmen and kindred workers	**217 053**	**187 735**	**12 433**	**1 733**	**2 314**	**8 386**	**16 646**	**239**
Apparel craftsmen and upholsterers	995	693	15	–	5	10	287	–
Bakers	1 658	1 254	57	8	16	33	347	–
Cabinetmakers	1 327	1 061	21	5	5	11	239	6
Construction craftsmen	54 060	41 415	4 261	408	682	3 171	8 300	84
Carpenters	17 075	12 863	653	130	179	344	3 504	55
Excavating, grading, and road machine operators	5 411	2 939	2 081	12	99	1 970	386	5
Electricians	9 330	7 978	491	68	132	291	861	–
Masons and tile setters	4 097	3 398	90	6	39	45	603	6
Painters, construction and maintenance, and paperhangers	5 676	3 719	530	89	133	308	1 416	11
Plasterers and cement finishers	1 492	1 210	41	–	5	36	241	–
Plumbers and pipe fitters	8 006	6 732	340	92	95	153	927	7
Other construction craftsmen	2 973	2 576	35	11	–	24	362	–
Foremen, n.e.c.	33 599	31 686	1 635	199	370	1 066	278	–
Manufacturing	22 836	22 678	91	57	6	28	67	–
Nonmanufacturing industries	10 763	9 008	1 544	142	364	1 038	211	–
Linemen and servicemen, telephone and power	7 038	6 721	313	43	46	224	4	–
Locomotive engineers and firemen	1 442	1 438	4	4	–	–	–	–
Mechanics and repairmen	46 242	39 058	3 016	673	498	1 845	4 082	86
Air conditioning, heating, and refrigeration	1 648	1 300	95	27	17	51	253	–
Aircraft	452	307	145	76	56	13	–	–
Automobile, including body	19 180	15 729	983	199	91	693	2 417	51
Radio and television	2 241	1 421	215	104	56	55	595	10
Other mechanics and repairmen	22 721	20 301	1 578	267	278	1 033	817	25
Metal craftsmen, except mechanics	34 724	33 820	464	128	155	181	430	10
Machinists and job and die setters	16 136	15 774	271	81	83	107	86	5
Sheetmetal workers and tinsmiths	3 606	3 463	53	16	11	26	90	–
Tool and die makers	5 788	5 689	47	–	47	–	47	5
Other metal craftsmen	9 194	8 894	93	31	14	48	207	–
Printing craftsmen	8 506	8 133	215	21	138	56	155	3
Compositors and typesetters	3 024	2 862	77	15	37	25	82	3
Pressmen and plate printers, printing	3 667	3 495	109	6	81	22	63	–
Stationary engineers and power station operators	3 821	2 724	1 061	37	150	874	29	7
Other craftsmen and kindred workers	23 641	19 732	1 371	207	249	915	2 495	43

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**185 129**	**178 513**	**3 438**	**952**	**671**	**1 815**	**3 015**	**163**
Assemblers	20 502	20 343	123	45	5	73	36	–
Checkers, examiners, and inspectors; manufacturing	10 473	10 301	152	107	18	27	16	4
Garage workers and gas station attendants	8 986	8 414	67	18	6	43	457	48
Laundry and drycleaning operatives, n.e.c	1 085	868	79	–	31	48	138	–
Meat cutters and butchers	6 671	6 148	52	9	24	19	462	9
Mine operatives, n.e.c	598	566	28	10	4	14	4	–
Packers and wrappers, except produce	4 905	4 862	28	11	–	17	15	–
Painters, manufactured articles	2 756	2 723	15	4	5	6	10	8
Precision machine operatives	15 563	15 371	118	62	26	30	74	–
Sawyers	2 428	2 353	19	6	5	8	52	4
Stationary firemen	2 898	2 338	548	57	121	370	12	–
Textile operatives	851	816	24	–	21	3	11	–
Welders and flamecutters	16 044	15 504	240	55	34	151	295	5
Other metalworking operatives	10 179	10 000	78	21	14	43	89	12
Other specified operatives	23 922	22 626	593	217	141	235	673	30
Miscellaneous and not specified operatives	57 268	55 280	1 274	330	216	728	671	43
Occupation:								
Machine operatives, miscellaneous specified	25 977	25 212	390	95	51	244	364	11
Machine operatives, not specified	12 691	12 315	341	114	28	199	35	–
Miscellaneous operatives	10 738	10 121	432	71	120	241	157	28
Not specified operatives	7 862	7 632	111	50	17	44	115	4
Industry:								
Manufacturing	50 874	49 992	428	260	40	128	435	19
Durable goods	25 611	25 183	291	198	29	64	129	8
Wood products, including furniture	2 604	2 578	–	–	–	–	26	–
Primary metal industries	4 293	4 240	38	15	10	13	15	–
Fabricated metal industries	3 490	3 464	18	5	–	13	4	4
Machinery, including electrical	9 708	9 652	44	19	–	25	12	–
Motor vehicles and equipment	1 843	1 833	10	4	4	2	–	–
Transportation equipment, except motor vehicles	581	576	5	–	–	5	–	–
Other durable goods	3 092	2 840	176	155	15	6	72	4
Nondurable goods	24 953	24 508	133	62	11	60	301	11
Food and kindred products	7 990	7 684	39	–	11	28	261	6
Apparel and other fabricated textile products	139	139	–	–	–	–	–	–
Paper and allied products	10 523	10 476	18	9	–	9	24	5
Chemicals and allied products	1 337	1 285	52	47	–	5	–	–
Other nondurable goods	4 964	4 924	24	6	–	18	16	–
Not specified manufacturing industries	310	301	4	–	–	4	5	–
Nonmanufacturing industries	6 394	5 288	846	70	176	600	236	24
Transportation, communications, and other public utilities	1 224	977	229	5	5	219	5	13
Wholesale and retail trade	3 018	2 865	18	13	–	5	130	5
All other industries	2 152	1 446	599	52	171	376	101	6
Transport equipment operatives	**61 175**	**53 484**	**4 438**	**425**	**330**	**3 683**	**3 184**	**69**
Bus drivers	3 452	2 649	665	10	27	628	129	9
Taxicab drivers and chauffeurs	1 724	1 528	114	44	5	65	82	–
Truck drivers and deliverymen	44 275	38 262	3 224	289	233	2 702	2 729	60
Other transport equipment operatives	11 724	11 045	435	82	65	288	244	–
Laborers, except farm	**63 193**	**53 379**	**7 710**	**759**	**773**	**6 178**	**1 960**	**144**
Construction laborers	9 569	7 254	2 286	17	165	2 104	25	4
Freight, stock, and material handlers	24 244	22 101	1 873	399	62	1 412	236	34
Other specified laborers	13 775	10 042	2 195	193	364	1 638	1 481	57
Miscellaneous and not specified laborers	15 605	13 982	1 356	150	182	1 024	218	49
Occupation:								
Miscellaneous laborers	4 174	3 538	496	64	27	405	128	12
Not specified laborers	11 431	10 444	860	86	155	619	90	37
Industry:								
Manufacturing	9 980	9 810	103	36	9	58	60	7
Durable goods	6 557	6 418	92	32	9	51	40	7
Wood products, including furniture	720	692	10	–	5	5	18	–
Metal industries	2 388	2 347	30	6	–	24	4	7
Machinery, including electrical	2 021	1 996	16	–	–	16	9	–
Transportation equipment	727	724	3	–	–	3	–	–
Other durable goods	701	659	33	26	4	3	9	–
Nondurable goods	3 410	3 383	7	–	–	7	20	–
Food and kindred products	1 658	1 639	7	–	–	7	12	–
Not specified manufacturing industries	13	9	4	4	–	–	–	–
Nonmanufacturing industries	5 625	4 172	1 253	114	173	966	158	42
Railroads and railway express service	685	636	49	38	5	6	–	–
Transportation, except railroads	238	204	24	5	4	15	4	6
Communications, and utilities and sanitary services	744	242	481	–	5	476	21	–
Wholesale and retail trade	2 084	1 996	9	5	4	–	54	25
All other industries	1 874	1 094	690	66	155	469	79	11
Farmers and farm managers	**68 549**	**2 229**	**79**	**8**	**39**	**32**	**66 203**	**38**
Farm laborers and farm foremen	**20 968**	**15 684**	**403**	**26**	**164**	**213**	**90**	**4 791**
Paid farm laborers and farm foremen	16 177	15 684	403	26	164	213	90	–
Unpaid family workers	4 791	–	–	–	–	–	–	4 791
Service workers, except private household[1]	**82 381**	**49 338**	**26 597**	**1 597**	**5 478**	**19 522**	**6 266**	**180**
Cleaning service workers	28 349	19 531	8 394	616	1 954	5 824	380	44
Food service workers	21 710	17 056	1 186	110	794	282	3 356	112
Cooks, except private household	5 662	5 104	306	45	180	81	235	17
Busboys and dishwashers	4 663	4 365	288	12	230	46	10	–
Health service workers	3 382	1 387	1 973	310	827	836	22	–
Personal service workers	6 613	3 509	849	73	373	403	2 231	24
Protective service workers	17 161	3 685	13 462	374	1 283	11 805	14	–
Firemen, fire protection	3 472	101	3 371	68	47	3 256	–	–
Guards and watchmen	4 904	3 339	1 565	119	745	701	–	–
Policemen and detectives	7 456	190	7 252	122	471	6 659	14	–
Private household workers	**342**	**319**	–	–	–	–	**20**	**3**

[1]Includes allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Total—Continued								
Female, 16 years old and over	634 424	484 764	113 043	11 697	28 494	72 852	23 248	13 369
Professional, technical, and kindred workers	97 187	46 231	47 983	1 854	8 931	37 198	2 659	314
Accountants	3 989	3 214	606	134	284	188	137	32
Computer specialists	630	478	145	–	123	22	7	–
Librarians	2 220	523	1 670	19	484	1 167	7	20
Mathematical specialists	155	128	27	9	9	9	–	–
Life and physical scientists	415	258	142	24	112	6	15	–
Registered nurses, dietitians, and therapists	19 902	14 742	4 898	555	1 299	3 044	191	71
Dietitians	1 197	801	385	86	127	172	5	6
Registered nurses	17 110	13 029	3 856	390	983	2 483	164	61
Health technologists and technicians	5 147	4 217	894	85	403	406	22	14
Social scientists	288	113	171	10	85	76	4	–
Social and recreation workers	2 718	814	1 879	151	350	1 378	16	9
Teachers: College and university	4 206	1 082	3 124	47	2 450	627	–	–
Elementary and prekindergarten	28 739	7 806	20 913	286	752	19 875	15	5
Secondary	10 224	1 984	8 240	20	281	7 939	–	–
Other teachers	2 759	900	657	49	150	458	1 202	–
Engineering and science technicians	2 083	1 705	357	37	285	35	11	10
Technicians, except health, and engineering and science	338	148	186	27	54	105	–	4
Writers, artists, and entertainers	4 233	3 138	525	39	314	172	502	68
Actors and dancers	103	89	10	–	–	10	4	–
Authors, editors, and reporters	1 153	925	144	15	113	16	74	10
Other professional, technical, and kindred workers	9 141	4 981	3 549	362	1 496	1 691	530	81
Managers and administrators, except farm	19 355	11 898	2 736	395	535	1 806	4 165	556
Buyers, purchasing agents, and sales managers	2 266	2 031	97	35	24	38	103	35
Restaurant, cafeteria, and bar managers	2 568	889	104	5	25	74	1 435	140
School administrators	1 022	506	492	17	119	356	24	–
Other specified managers and administrators	4 599	2 621	1 674	289	221	1 164	252	52
Managers and administrators, n.e.c., salaried	6 220	5 851	369	49	146	174	–	–
Wholesale and retail trade	2 335	2 324	11	5	–	6	–	–
Managers and administrators, n.e.c., self-employed	2 680	–	–	–	–	–	2 351	329
Wholesale and retail trade	1 633	–	–	–	–	–	1 498	135
Sales workers	49 243	45 505	358	62	144	152	2 411	969
Demonstrators, hucksters, and peddlers	3 558	3 047	17	3	–	14	489	5
Insurance, real estate agents, and brokers	1 606	1 348	9	–	–	9	228	21
Sales clerks, retail trade	36 091	34 093	115	32	21	62	1 194	689
Salesmen, retail trade	1 299	1 113	–	–	–	–	86	100
Other sales workers	6 689	5 904	217	27	123	67	414	154
Clerical and kindred workers	201 421	161 359	35 830	7 234	12 437	16 159	1 966	2 266
Bank tellers	4 120	3 943	177	84	46	47	–	–
Bookkeepers	24 330	20 955	1 504	134	305	1 065	885	986
Cashiers	15 413	14 761	351	36	166	149	118	183
Counter clerks, except food	2 604	2 493	60	–	41	19	36	15
Enumerators and interviewers	862	182	648	609	34	5	32	–
File clerks	4 147	3 496	651	89	380	182	–	–
Office machine operators	8 952	7 884	1 058	150	708	200	4	6
Bookkeeping and billing machine operators	1 271	1 205	66	22	24	20	–	–
Keypunch operators	5 645	4 889	750	119	523	108	–	6
Payroll and timekeeping clerks	2 393	2 130	253	53	39	161	5	5
Receptionists	6 971	5 855	971	80	573	318	53	92
Secretaries	46 477	36 124	9 666	1 002	3 554	5 110	280	407
Stenographers	3 609	2 367	1 184	168	486	530	40	18
Telephone operators	5 866	5 473	377	78	130	169	10	6
Typists	16 245	11 360	4 743	863	2 242	1 638	83	59
Other clerical and kindred workers	59 432	44 336	14 187	3 888	3 733	6 566	420	489
Craftsmen and kindred workers	11 652	10 327	504	36	226	242	684	137
Foremen, n.e.c.	2 420	2 217	179	15	103	61	24	–
Operatives, except transport	85 743	82 419	1 749	461	461	827	1 126	449
Assemblers	14 713	14 488	210	66	60	84	10	5
Bottling and canning operatives	341	337	–	–	–	–	4	–
Checkers, examiners, and inspectors; manufacturing	6 672	6 595	77	55	12	10	–	–
Dressmakers and seamstresses, except factory	1 881	1 263	39	–	10	29	540	39
Laundry and drycleaning operatives, including ironers	5 097	4 553	380	33	66	281	96	68
Graders and sorters, manufacturing	756	741	–	–	–	–	9	6
Packers and wrappers, except produce	8 988	8 831	101	20	39	42	16	40
Sewers and stitchers	7 948	7 710	130	31	34	65	93	15
Textile operatives	1 549	1 511	11	–	–	11	22	5
Other specified operatives	17 738	16 929	393	111	90	192	243	173
Miscellaneous and not specified operatives	20 060	19 461	408	145	150	113	93	98
Manufacturing	17 840	17 541	182	120	5	57	52	65
Durable goods	9 941	9 759	134	98	–	36	27	21
Machinery, including electrical	4 181	4 164	12	–	–	12	–	5
Other durable goods	5 760	5 595	122	98	–	24	27	16
Nondurable goods, including not specified manufacturing	7 899	7 782	48	22	5	21	25	44
Food and kindred products	1 350	1 287	7	–	–	7	17	39
Apparel and other fabricated textile products	429	424	–	–	–	–	–	5
Nonmanufacturing industries	2 220	1 920	226	25	145	56	41	33
Transport equipment operatives	3 003	2 388	505	78	12	415	47	63
Laborers, except farm	8 335	7 547	408	132	116	160	201	179
Farmers and farm managers	4 925	125	5	–	–	5	4 758	37
Farm laborers and farm foremen	8 674	1 985	77	8	44	25	31	6 581
Paid farm laborers and farm foremen	2 093	1 985	77	8	44	25	31	–
Unpaid family workers	6 581	–	–	–	–	–	–	6 581
Service workers, except private household[1]	129 456	99 709	22 871	1 437	5 588	15 846	5 088	1 788
Cleaning service workers	16 726	13 154	3 181	273	722	2 186	185	206
Chambermaids and maids	4 143	3 680	348	30	114	204	45	70
Food service workers	55 257	44 314	7 200	421	1 707	5 072	2 468	1 275
Cooks, except private household	14 009	9 855	3 406	105	536	2 765	519	229
Waiters and food counter workers	26 392	24 703	1 107	100	528	479	338	244
Health service workers	33 137	25 200	7 760	472	2 172	5 116	113	64
Nursing aides, orderlies, and attendants	23 153	16 774	6 293	291	1 791	4 211	47	39
Practical nurses	4 651	3 756	824	80	226	518	66	5
Personal service workers	13 395	9 263	2 024	164	586	1 274	2 036	72
Hairdressers and cosmetologists	7 796	6 184	57	6	5	46	1 546	9
Private household workers	15 430	15 271	17	–	–	17	112	30
Private household workers, living in	1 275	1 275	–	–	–	–	–	–
Private household workers, living out	14 155	13 996	17	–	–	17	112	30

[1]Includes protective service workers and allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Negro								
Male, 16 years old and over	**23 075**	**19 496**	**2 952**	**873**	**522**	**1 557**	**609**	**18**
Professional, technical, and kindred workers	**1 369**	**601**	**723**	**127**	**246**	**350**	**45**	**–**
Accountants	49	33	16	5	–	11	–	–
Architects	–	–	–	–	–	–	–	–
Computer specialists	20	17	3	3	–	–	–	–
Engineers	58	46	12	6	6	–	–	–
Aeronautical and astronautical	–	–	–	–	–	–	–	–
Civil	11	5	6	–	6	–	–	–
Electrical and electronic	35	35	–	–	–	–	–	–
Mechanical	–	–	–	–	–	–	–	–
Other engineers	12	6	6	6	–	–	–	–
Lawyers and judges	14	–	7	–	7	–	7	–
Life and physical scientists	32	20	12	–	4	8	–	–
Chemists	20	20	–	–	–	–	–	–
Physicians, dentists, and related practitioners	62	12	34	13	9	12	16	–
Dentists	–	–	–	–	–	–	–	–
Pharmacists	9	5	4	–	4	–	–	–
Physicians, medical and osteopathic	53	7	30	13	5	12	16	–
Other related practitioners	–	–	–	–	–	–	–	–
Health technologists and technicians	41	14	27	8	4	15	–	–
Religious workers	31	26	–	–	–	–	5	–
Social scientists	13	13	–	–	–	–	–	–
Social and recreation workers	167	54	113	28	19	66	–	–
Teachers	328	58	270	12	67	191	–	–
College and university	78	11	67	–	55	12	–	–
Elementary and prekindergarten	102	–	102	7	12	83	–	–
Secondary	125	39	86	–	–	86	–	–
Engineering and science technicians	121	83	38	4	26	8	–	–
Draftsmen and surveyors	25	17	8	–	–	8	–	–
Electrical and electronic engineering technicians	24	13	11	–	11	–	–	–
Technicians, except health, and engineering and science	4	4	–	–	–	–	–	–
Airplane pilots	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	83	71	6	–	6	–	6	–
Other professional, technical, and kindred workers	346	150	185	48	98	39	11	–
Managers and administrators, except farm	**601**	**361**	**119**	**20**	**32**	**67**	**116**	**5**
Buyers, purchasing agents, and sales managers	15	15	–	–	–	–	–	–
School administrators	43	4	39	–	–	39	–	–
Specified managers and administrators, public administration	47	–	47	15	14	18	–	–
Other specified managers and administrators	178	120	5	–	–	5	53	–
Managers and administrators, n.e.c., salaried	250	222	28	5	18	5	–	–
Manufacturing	45	45	–	–	–	–	–	–
Wholesale and retail trade	86	86	–	–	–	–	–	–
Transportation, communications and other public utilities	21	16	5	–	5	–	–	–
All other industries	98	75	23	5	13	5	–	–
Managers and administrators, n.e.c., self-employed	68	–	–	–	–	–	63	5
Construction	7	–	–	–	–	–	7	–
Manufacturing	–	–	–	–	–	–	–	–
Wholesale and retail trade	41	–	–	–	–	–	36	5
All other industries	20	–	–	–	–	–	20	–
Sales workers	**424**	**390**	**10**	**6**	**4**	**–**	**18**	**6**
Insurance agents, brokers, and underwriters	63	63	–	–	–	–	–	–
Real estate agents and brokers	30	15	–	–	–	–	9	6
Sales representatives, manufacturing industries	42	42	–	–	–	–	–	–
Sales representatives, wholesale trade	6	6	–	–	–	–	–	–
Sales clerks, retail trade	107	98	–	–	–	–	9	–
Salesmen, retail trade	40	40	–	–	–	–	–	–
Salesmen of services and construction	17	13	4	–	4	–	–	–
Other sales workers	119	113	6	6	–	–	–	–
Clerical and kindred workers	**1 154**	**793**	**353**	**252**	**45**	**56**	**8**	**–**
Bank tellers and cashiers	22	22	–	–	–	–	–	–
Bookkeepers and billing clerks	39	28	11	7	–	4	–	–
Mail handlers and postal clerks	222	29	193	183	10	–	–	–
Other clerical and kindred workers	871	714	149	62	35	52	8	–
Craftsmen and kindred workers	**3 878**	**3 576**	**210**	**45**	**41**	**124**	**92**	**–**
Apparel craftsmen and upholsterers	25	12	–	–	–	–	13	–
Bakers	34	26	8	8	–	–	–	–
Cabinetmakers	3	3	–	–	–	–	–	–
Construction craftsmen	417	376	14	–	–	14	27	–
Carpenters	50	42	4	–	–	4	4	–
Excavating, grading, and road machine operators	85	71	10	–	–	10	4	–
Electricians	59	59	–	–	–	–	–	–
Masons and tile setters	36	36	–	–	–	–	–	–
Painters, construction and maintenance, and paperhangers	121	102	–	–	–	–	19	–
Plasterers and cement finishers	38	38	–	–	–	–	–	–
Plumbers and pipe fitters	28	28	–	–	–	–	–	–
Other construction craftsmen	–	–	–	–	–	–	–	–
Foremen, n.e.c.	277	251	26	–	–	26	–	–
Manufacturing	224	218	6	–	–	6	–	–
Nonmanufacturing industries	53	33	20	–	–	20	–	–
Linemen and servicemen, telephone and power	80	69	11	–	–	11	–	–
Locomotive engineers and firemen	15	15	–	–	–	–	–	–
Mechanics and repairmen	562	495	50	9	12	29	17	–
Air conditioning, heating, and refrigeration	7	7	–	–	–	–	–	–
Aircraft	2	2	–	–	–	–	–	–
Automobile, including body	281	251	13	–	7	6	17	–
Radio and television	15	10	5	–	5	–	–	–
Other mechanics and repairmen	257	225	32	9	–	23	–	–
Metal craftsmen, except mechanics	1 115	1 090	25	4	8	13	–	–
Machinists and job and die setters	468	463	5	–	–	5	–	–
Sheetmetal workers and tinsmiths	18	18	–	–	–	–	–	–
Tool and die makers	54	54	–	–	–	–	–	–
Other metal craftsmen	575	555	20	4	8	8	–	–
Printing craftsmen	83	71	5	–	5	–	7	–
Compositors and typesetters	27	27	–	–	–	–	–	–
Pressmen and plate printers, printing	51	39	5	–	5	–	7	–
Stationary engineers and power station operators	59	44	15	–	–	15	–	–
Other craftsmen and kindred workers	1 208	1 124	56	24	16	16	28	–

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Negro—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**8 395**	**8 151**	**228**	**67**	**41**	**120**	**16**	-
Assemblers	708	702	6	6	-	-	-	-
Checkers, examiners, and inspectors; manufacturing	231	225	6	-	-	6	-	-
Garage workers and gas station attendants	92	89	3	-	3	-	-	-
Laundry and drycleaning operatives, n.e.c	50	46	-	-	-	-	4	-
Meat cutters and butchers	225	225	-	-	-	-	-	-
Mine operatives, n.e.c	10	10	-	-	-	-	-	-
Packers and wrappers, except produce	120	120	-	-	-	-	-	-
Painters, manufactured articles	126	126	-	-	-	-	-	-
Precision machine operatives	740	731	9	6	3	-	-	-
Sawyers	21	21	-	-	-	-	-	-
Stationary firemen	54	36	18	-	4	14	-	-
Textile operatives	40	35	5	-	5	-	-	-
Welders and flamecutters	1 148	1 120	28	-	6	22	-	-
Other metalworking operatives	707	688	19	5	5	9	-	-
Other specified operatives	1 791	1 737	42	13	11	18	12	-
Miscellaneous and not specified operatives	2 332	2 240	92	37	4	51	-	-
Occupation:								
Machine operatives, miscellaneous specified	933	915	18	11	4	3	-	-
Machine operatives, not specified	623	572	51	26	-	25	-	-
Miscellaneous operatives	548	532	16	-	-	16	-	-
Not specified operatives	228	221	7	-	-	7	-	-
Industry:								
Manufacturing	2 061	1 992	69	30	4	35	-	-
Durable goods	1 497	1 431	66	30	4	32	-	-
Wood products, including furniture	15	15	-	-	-	-	-	-
Primary metal industries	452	420	32	15	4	13	-	-
Fabricated metal industries	115	115	-	-	-	-	-	-
Machinery, including electrical	531	499	32	15	-	17	-	-
Motor vehicles and equipment	259	257	2	-	-	2	-	-
Transportation equipment, except motor vehicles	22	22	-	-	-	-	-	-
Other durable goods	103	103	-	-	-	-	-	-
Nondurable goods	530	527	3	-	-	3	-	-
Food and kindred products	113	113	-	-	-	-	-	-
Apparel and other fabricated textile products	6	6	-	-	-	-	-	-
Paper and allied products	62	62	-	-	-	-	-	-
Chemicals and allied products	24	24	-	-	-	-	-	-
Other nondurable goods	325	322	3	-	-	3	-	-
Not specified manufacturing industries	34	34	-	-	-	-	-	-
Nonmanufacturing industries	271	248	23	7	-	16	-	-
Transportation, communications, and other public utilities	30	25	5	-	-	5	-	-
Wholesale and retail trade	196	196	-	-	-	-	-	-
All other industries	45	27	18	7	-	11	-	-
Transport equipment operatives	**1 360**	**1 197**	**122**	**33**	**8**	**81**	**41**	-
Bus drivers	76	67	9	-	-	9	-	-
Taxicab drivers and chauffeurs	87	87	-	-	-	-	-	-
Truck drivers and deliverymen	647	527	89	33	3	53	31	-
Other transport equipment operatives	550	516	24	-	5	19	10	-
Laborers, except farm	**3 284**	**2 623**	**639**	**168**	**29**	**442**	**22**	-
Construction laborers	284	222	62	3	17	42	-	-
Freight, stock, and material handlers	794	567	210	79	-	131	17	-
Other specified laborers	1 016	771	245	80	-	165	-	-
Miscellaneous and not specified laborers	1 190	1 063	122	6	12	104	5	-
Occupation:								
Miscellaneous laborers	537	485	47	-	-	47	5	-
Not specified laborers	653	578	75	6	12	57	-	-
Industry:								
Manufacturing	929	905	24	6	-	18	-	-
Durable goods	844	820	24	6	-	18	-	-
Wood products, including furniture	-	-	-	-	-	-	-	-
Metal industries	408	398	10	6	-	4	-	-
Machinery, including electrical	248	237	11	-	-	11	-	-
Transportation equipment	145	142	3	-	-	3	-	-
Other durable goods	43	43	-	-	-	-	-	-
Nondurable goods	85	85	-	-	-	-	-	-
Food and kindred products	34	34	-	-	-	-	-	-
Not specified manufacturing industries	-	-	-	-	-	-	-	-
Nonmanufacturing industries	261	158	98	-	12	86	5	-
Railroads and railway express service	30	30	-	-	-	-	-	-
Transportation, except railroads	6	6	-	-	-	-	-	-
Communications, and utilities and sanitary services	58	15	43	-	-	43	-	-
Wholesale and retail trade	88	83	-	-	-	-	5	-
All other industries	79	24	55	-	12	43	-	-
Farmers and farm managers	**140**	**8**	-	-	-	-	**132**	-
Farm laborers and farm foremen	**79**	**60**	**12**	-	-	**12**	-	**7**
Paid farm laborers and farm foremen	72	60	12	-	-	12	-	-
Unpaid family workers	7	-	-	-	-	-	-	7
Service workers, except private household[1]	**2 360**	**1 705**	**536**	**155**	**76**	**305**	**119**	-
Cleaning service workers	762	594	156	26	39	91	12	-
Food service workers	454	366	40	12	4	24	48	-
Cooks, except private household	102	85	9	4	-	5	8	-
Busboys and dishwashers	157	135	16	8	4	4	6	-
Health service workers	187	90	97	29	13	55	-	-
Personal service workers	249	181	44	16	4	24	24	-
Protective service workers	192	87	100	21	-	79	5	-
Firemen, fire protection	9	-	9	-	-	9	-	-
Guards and watchmen	108	87	21	21	-	-	-	-
Policemen and detectives	71	-	66	-	-	66	5	-
Private household workers	**31**	**31**	-	-	-	-	-	-

[1]Includes allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Negro—Continued								
Female, 16 years old and over	18 076	13 733	4 058	997	672	2 389	273	12
Professional, technical, and kindred workers	1 756	696	1 036	147	136	753	24	–
Accountants	28	18	10	5	5	–	–	–
Computer specialists	3	3	–	–	–	–	–	–
Librarians	42	38	4	–	–	4	–	–
Mathematical specialists	–	–	–	–	–	–	–	–
Life and physical scientists	9	9	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	219	148	65	40	5	20	6	–
Dietitians	61	42	19	14	5	–	–	–
Registered nurses	139	92	41	21	–	20	6	–
Health technologists and technicians	131	100	31	11	–	20	–	–
Social scientists	3	–	3	–	–	3	–	–
Social and recreation workers	251	71	180	32	26	122	–	–
Teachers: College and university	56	31	25	–	21	4	–	–
Elementary and prekindergarten	509	84	425	13	40	372	–	–
Secondary	149	14	135	–	5	130	–	–
Other teachers	16	5	11	–	–	11	–	–
Engineering and science technicians	38	38	–	–	–	–	–	–
Technicians, except health, and engineering and science	5	5	–	–	–	–	–	–
Writers, artists, and entertainers	10	10	–	–	–	–	–	–
Actors and dancers	–	–	–	–	–	–	–	–
Authors, editors, and reporters	–	–	–	–	–	–	–	–
Other professional, technical, and kindred workers	287	122	147	46	34	67	18	–
Managers and administrators, except farm	134	54	53	13	3	37	27	–
Buyers, purchasing agents, and sales managers	–	–	–	–	–	–	–	–
Restaurant, cafeteria, and bar managers	12	–	–	–	–	–	12	–
School administrators	38	5	33	5	3	25	–	–
Other specified managers and administrators	27	15	12	–	–	12	–	–
Managers and administrators, n.e.c., salaried	42	34	8	8	–	–	–	–
Wholesale and retail trade	11	11	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	15	–	–	–	–	–	15	–
Wholesale and retail trade	10	–	–	–	–	–	10	–
Sales workers	470	426	20	–	6	14	24	–
Demonstrators, hucksters, and peddlers	18	13	5	–	–	5	–	–
Insurance, real estate agents, and brokers	36	36	–	–	–	–	–	–
Sales clerks, retail trade	221	221	–	–	–	–	–	–
Salesmen, retail trade	15	15	–	–	–	–	–	–
Other sales workers	180	141	15	–	6	9	24	–
Clerical and kindred workers	3 908	2 598	1 296	449	243	604	10	4
Bank tellers	51	51	–	–	–	–	–	–
Bookkeepers	126	121	–	–	–	–	5	–
Cashiers	213	203	10	7	3	–	–	–
Counter clerks, except food	53	49	–	–	–	–	–	4
Enumerators and interviewers	15	4	11	11	–	–	–	–
File clerks	141	91	50	23	12	15	–	–
Office machine operators	395	360	35	14	16	5	–	–
Bookkeeping and billing machine operators	34	30	4	4	–	–	–	–
Keypunch operators	306	275	31	10	16	5	–	–
Payroll and timekeeping clerks	16	13	3	3	–	–	–	–
Receptionists	77	57	20	15	5	–	–	–
Secretaries	389	287	102	33	38	31	–	–
Stenographers	17	8	9	–	5	4	–	–
Telephone operators	213	200	13	–	4	9	–	–
Typists	419	278	141	42	47	52	–	–
Other clerical and kindred workers	1 783	876	902	301	113	488	5	–
Craftsmen and kindred workers	303	293	10	–	–	10	–	–
Foremen, n.e.c.	53	43	10	–	–	10	–	–
Operatives, except transport	4 053	3 824	210	35	24	151	19	–
Assemblers	509	473	36	11	8	17	–	–
Bottling and canning operatives	8	8	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	243	237	6	–	–	6	–	–
Dressmakers and seamstresses, except factory	46	23	14	–	–	14	9	–
Laundry and drycleaning operatives, including ironers	535	478	53	3	6	44	4	–
Graders and sorters, manufacturing	13	13	–	–	–	–	–	–
Packers and wrappers, except produce	339	328	5	–	–	5	6	–
Sewers and stitchers	255	255	–	–	–	–	–	–
Textile operatives	36	30	6	–	–	6	–	–
Other specified operatives	1 209	1 135	74	16	10	48	–	–
Miscellaneous and not specified operatives	860	844	16	5	–	11	–	–
Manufacturing	747	741	6	–	–	6	–	–
Durable goods	415	409	6	–	–	6	–	–
Machinery, including electrical	241	235	6	–	–	6	–	–
Other durable goods	174	174	–	–	–	–	–	–
Nondurable goods, including not specified manufacturing	332	332	–	–	–	–	–	–
Food and kindred products	25	25	–	–	–	–	–	–
Apparel and other fabricated textile products	13	13	–	–	–	–	–	–
Nonmanufacturing industries	113	103	10	5	–	5	–	–
Transport equipment operatives	77	66	11	–	–	11	–	–
Laborers, except farm	335	285	45	26	–	19	5	–
Farmers and farm managers	59	17	–	–	–	–	42	–
Farm laborers and farm foremen	63	59	–	–	–	–	–	4
Paid farm laborers and farm foremen	59	59	–	–	–	–	–	–
Unpaid family workers	4	–	–	–	–	–	–	4
Service workers, except private household[1]	5 889	4 403	1 377	327	260	790	105	4
Cleaning service workers	1 217	1 001	211	44	61	106	5	–
Chambermaids and maids	334	296	38	15	10	13	–	–
Food service workers	1 097	900	184	66	39	79	13	–
Cooks, except private household	414	362	52	9	14	29	–	–
Waiters and food counter workers	247	229	14	9	5	–	4	–
Health service workers	2 251	1 580	661	152	95	414	10	–
Nursing aides, orderlies, and attendants	1 867	1 288	569	113	85	371	10	–
Practical nurses	200	159	41	28	5	8	–	–
Personal service workers	369	196	123	21	23	79	50	–
Hairdressers and cosmetologists	106	56	4	–	–	4	46	–
Private household workers	1 029	1 012	–	–	–	–	17	–
Private household workers, living in	16	16	–	–	–	–	–	–
Private household workers, living out	1 013	996	–	–	–	–	17	–

[1] Includes protective service workers and allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Persons of Spanish Language								
Male, 16 years old and over	**8 840**	**7 577**	**947**	**213**	**415**	**319**	**309**	**7**
Professional, technical, and kindred workers	**1 054**	**568**	**415**	**58**	**264**	**93**	**71**	–
Accountants	61	61	–	–	–	–	–	–
Architects	–	–	–	–	–	–	–	–
Computer specialists	20	20	–	–	–	–	–	–
Engineers	127	106	21	15	6	–	–	–
Aeronautical and astronautical	–	–	–	–	–	–	–	–
Civil	14	8	6	–	6	–	–	–
Electrical and electronic	23	23	–	–	–	–	–	–
Mechanical	32	17	15	15	–	–	–	–
Other engineers	58	58	–	–	–	–	–	–
Lawyers and judges	11	6	5	–	–	5	–	–
Life and physical scientists	48	28	20	–	8	12	–	–
Chemists	21	21	–	–	–	–	–	–
Physicians, dentists, and related practitioners	135	58	27	12	7	8	50	–
Dentists	6	–	–	–	–	–	6	–
Pharmacists	19	19	–	–	–	–	–	–
Physicians, medical and osteopathic	95	39	27	12	7	8	29	–
Other related practitioners	15	–	–	–	–	–	15	–
Health technologists and technicians	28	22	6	–	6	–	–	–
Religious workers	10	10	–	–	–	–	–	–
Social scientists	5	5	–	–	–	–	–	–
Social and recreation workers	37	14	23	16	–	7	–	–
Teachers	276	42	234	8	165	61	–	–
College and university	158	20	138	–	138	–	–	–
Elementary and prekindergarten	15	–	15	–	9	6	–	–
Secondary	66	15	51	–	6	45	–	–
Engineering and science technicians	87	81	6	–	6	–	–	–
Draftsmen and surveyors	46	46	–	–	–	–	–	–
Electrical and electronic engineering technicians	8	8	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	–
Airplane pilots	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	67	54	–	–	–	–	13	–
Other professional, technical, and kindred workers	142	61	73	7	66	–	8	–
Managers and administrators, except farm	**420**	**300**	**24**	**12**	–	**12**	**96**	–
Buyers, purchasing agents, and sales managers	44	40	–	–	–	–	4	–
School administrators	7	7	–	–	–	–	–	–
Specified managers and administrators, public administration	12	–	12	12	–	–	–	–
Other specified managers and administrators	80	45	5	–	–	5	30	–
Managers and administrators, n.e.c., salaried	215	208	7	–	–	7	–	–
Manufacturing	56	56	–	–	–	–	–	–
Wholesale and retail trade	72	72	–	–	–	–	–	–
Transportation, communications and other public utilities	15	15	–	–	–	–	–	–
All other industries	72	65	7	–	–	7	–	–
Managers and administrators, n.e.c., self-employed	62	–	–	–	–	–	62	–
Construction	17	–	–	–	–	–	17	–
Manufacturing	–	–	–	–	–	–	–	–
Wholesale and retail trade	45	–	–	–	–	–	45	–
All other industries	–	–	–	–	–	–	–	–
Sales workers	**340**	**320**	**9**	–	**9**	–	**11**	–
Insurance agents, brokers, and underwriters	29	24	–	–	–	–	5	–
Real estate agents and brokers	5	5	–	–	–	–	–	–
Sales representatives, manufacturing industries	38	38	–	–	–	–	–	–
Sales representatives, wholesale trade	76	70	–	–	–	–	6	–
Sales clerks, retail trade	97	97	–	–	–	–	–	–
Salesmen, retail trade	23	23	–	–	–	–	–	–
Salesmen of services and construction	37	28	9	–	9	–	–	–
Other sales workers	35	35	–	–	–	–	–	–
Clerical and kindred workers	**513**	**361**	**152**	**105**	**47**	–	–	–
Bank tellers and cashiers	–	–	–	–	–	–	–	–
Bookkeepers and billing clerks	8	–	8	8	–	–	–	–
Mail handlers and postal clerks	74	–	74	74	–	–	–	–
Other clerical and kindred workers	431	361	70	23	47	–	–	–
Craftsmen and kindred workers	**1 608**	**1 464**	**70**	–	**28**	**42**	**67**	**7**
Apparel craftsmen and upholsterers	39	21	–	–	–	–	18	–
Bakers	10	10	–	–	–	–	–	–
Cabinetmakers	13	13	–	–	–	–	–	–
Construction craftsmen	295	262	19	–	–	19	14	–
Carpenters	30	30	–	–	–	–	–	–
Excavating, grading, and road machine operators	30	16	14	–	–	14	–	–
Electricians	55	50	5	–	–	5	–	–
Masons and tile setters	18	18	–	–	–	–	–	–
Painters, construction and maintenance, and paperhangers	69	59	–	–	–	–	10	–
Plasterers and cement finishers	44	44	–	–	–	–	–	–
Plumbers and pipe fitters	18	14	–	–	–	–	4	–
Other construction craftsmen	31	31	–	–	–	–	–	–
Foremen, n.e.c.	194	187	7	–	7	–	–	–
Manufacturing	138	138	–	–	–	–	–	–
Nonmanufacturing industries	56	49	7	–	7	–	–	–
Linemen and servicemen, telephone and power	47	47	–	–	–	–	–	–
Locomotive engineers and firemen	16	16	–	–	–	–	–	–
Mechanics and repairmen	293	255	22	–	14	8	16	–
Air conditioning, heating, and refrigeration	8	–	8	–	8	–	–	–
Aircraft	6	–	6	–	6	–	–	–
Automobile, including body	114	108	–	–	–	–	6	–
Radio and television	16	6	–	–	–	–	10	–
Other mechanics and repairmen	149	141	8	–	–	8	–	–
Metal craftsmen, except mechanics	437	431	6	–	–	6	–	–
Machinists and job and die setters	207	201	6	–	–	6	–	–
Sheetmetal workers and tinsmiths	34	34	–	–	–	–	–	–
Tool and die makers	16	16	–	–	–	–	–	–
Other metal craftsmen	180	180	–	–	–	–	–	–
Printing craftsmen	49	40	9	–	–	9	–	–
Compositors and typesetters	9	–	9	–	–	9	–	–
Pressmen and plate printers, printing	25	25	–	–	–	–	–	–
Stationary engineers and power station operators	12	12	–	–	–	–	–	–
Other craftsmen and kindred workers	203	170	7	–	7	–	19	7

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Persons of Spanish Language—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**2 960**	**2 884**	**56**	**22**	**–**	**34**	**20**	**–**
Assemblers	312	312	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	124	124	–	–	–	–	–	–
Garage workers and gas station attendants	24	17	–	–	–	–	7	–
Laundry and drycleaning operatives, n.e.c	13	5	–	–	–	–	8	–
Meat cutters and butchers	51	51	–	–	–	–	–	–
Mine operatives, n.e.c	–	–	–	–	–	–	–	–
Packers and wrappers, except produce	132	132	–	–	–	–	–	–
Painters, manufactured articles	72	72	–	–	–	–	–	–
Precision machine operatives	366	357	9	–	–	9	–	–
Sawyers	11	11	–	–	–	–	–	–
Stationary firemen	53	53	–	–	–	–	–	–
Textile operatives	18	18	–	–	–	–	–	–
Welders and flamecutters	270	255	10	–	–	10	5	–
Other metalworking operatives	224	224	–	–	–	–	–	–
Other specified operatives	201	184	17	17	–	–	–	–
Miscellaneous and not specified operatives	1 089	1 069	20	5	–	15	–	–
Occupation:								
Machine operatives, miscellaneous specified	499	491	8	–	–	8	–	–
Machine operatives, not specified	298	293	5	5	–	–	–	–
Miscellaneous operatives	183	176	7	–	–	7	–	–
Not specified operatives	109	109	–	–	–	–	–	–
Industry:								
Manufacturing	1 014	999	15	–	–	15	–	–
Durable goods	603	603	–	–	–	–	–	–
Wood products, including furniture	7	7	–	–	–	–	–	–
Primary metal industries	301	301	–	–	–	–	–	–
Fabricated metal industries	79	79	–	–	–	–	–	–
Machinery, including electrical	139	139	–	–	–	–	–	–
Motor vehicles and equipment	39	39	–	–	–	–	–	–
Transportation equipment, except motor vehicles	–	–	–	–	–	–	–	–
Other durable goods	38	38	–	–	–	–	–	–
Nondurable goods	402	387	15	–	–	15	–	–
Food and kindred products	78	63	15	–	–	15	–	–
Apparel and other fabricated textile products	6	6	–	–	–	–	–	–
Paper and allied products	88	88	–	–	–	–	–	–
Chemicals and allied products	43	43	–	–	–	–	–	–
Other nondurable goods	187	187	–	–	–	–	–	–
Not specified manufacturing industries	9	9	–	–	–	–	–	–
Nonmanufacturing industries	75	70	5	5	–	–	–	–
Transportation, communications, and other public utilities	6	6	–	–	–	–	–	–
Wholesale and retail trade	55	55	–	–	–	–	–	–
All other industries	14	9	5	5	–	–	–	–
Transport equipment operatives	**431**	**403**	**21**	**–**	**–**	**21**	**7**	**–**
Bus drivers	12	12	–	–	–	–	–	–
Taxicab drivers and chauffeurs	7	7	–	–	–	–	–	–
Truck drivers and deliverymen	240	212	21	–	–	21	7	–
Other transport equipment operatives	172	172	–	–	–	–	–	–
Laborers, except farm	**699**	**641**	**58**	**8**	**18**	**32**	**–**	**–**
Construction laborers	32	28	4	–	–	4	–	–
Freight, stock, and material handlers	168	137	31	8	9	14	–	–
Other specified laborers	113	95	18	–	9	9	–	–
Miscellaneous and not specified laborers	386	381	5	–	–	5	–	–
Occupation:								
Miscellaneous laborers	122	117	5	–	–	5	–	–
Not specified laborers	264	264	–	–	–	–	–	–
Industry:								
Manufacturing	317	317	–	–	–	–	–	–
Durable goods	242	242	–	–	–	–	–	–
Wood products, including furniture	–	–	–	–	–	–	–	–
Metal industries	171	171	–	–	–	–	–	–
Machinery, including electrical	53	53	–	–	–	–	–	–
Transportation equipment	8	8	–	–	–	–	–	–
Other durable goods	10	10	–	–	–	–	–	–
Nondurable goods	75	75	–	–	–	–	–	–
Food and kindred products	27	27	–	–	–	–	–	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–
Nonmanufacturing industries	69	64	5	–	–	5	–	–
Railroads and railway express service	23	23	–	–	–	–	–	–
Transportation, except railroads	–	–	–	–	–	–	–	–
Communications, and utilities and sanitary services	5	–	5	–	–	5	–	–
Wholesale and retail trade	31	31	–	–	–	–	–	–
All other industries	10	10	–	–	–	–	–	–
Farmers and farm managers	**26**	**13**	**–**	**–**	**–**	**–**	**13**	**–**
Farm laborers and farm foremen	**153**	**145**	**8**	**–**	**–**	**8**	**–**	**–**
Paid farm laborers and farm foremen	153	145	8	–	–	8	–	–
Unpaid family workers	–	–	–	–	–	–	–	–
Service workers, except private household[1]	**625**	**467**	**134**	**8**	**49**	**77**	**24**	**–**
Cleaning service workers	269	227	36	–	20	16	6	–
Food service workers	165	144	15	–	15	–	6	–
Cooks, except private household	65	65	–	–	–	–	–	–
Busboys and dishwashers	50	42	8	–	8	–	–	–
Health service workers	18	6	12	–	–	12	–	–
Personal service workers	72	36	24	8	6	10	12	–
Protective service workers	74	27	47	–	8	39	–	–
Firemen, fire protection	7	–	7	–	–	7	–	–
Guards and watchmen	22	14	8	–	8	–	–	–
Policemen and detectives	45	13	32	–	–	32	–	–
Private household workers	**11**	**11**	**–**	**–**	**–**	**–**	**–**	**–**

[1]Includes allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE—Continued

Persons of Spanish Language—Continued

	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
Female, 16 years old and over	4 203	3 255	844	240	208	396	68	34
Professional, technical, and kindred workers	537	187	330	70	106	154	20	-
Accountants	13	13	-	-	-	-	-	-
Computer specialists	22	14	8	-	8	-	-	-
Librarians	8	-	8	-	8	-	-	-
Mathematical specialists	-	-	-	-	-	-	-	-
Life and physical scientists	7	-	7	7	-	-	-	-
Registered nurses, dietitians, and therapists	111	53	58	24	22	12	-	-
Dietitians	6	6	-	-	-	-	-	-
Registered nurses	99	41	58	24	22	12	-	-
Health technologists and technicians	8	-	8	-	-	8	-	-
Social scientists	-	-	-	-	-	-	-	-
Social and recreation workers	21	14	7	-	-	7	-	-
Teachers: College and university	30	-	30	-	30	-	-	-
Elementary and prekindergarten	165	47	118	18	6	94	-	-
Secondary	23	-	23	7	-	16	-	-
Other teachers	27	-	21	14	7	-	6	-
Engineering and science technicians	32	24	8	-	8	-	-	-
Technicians, except health, and engineering and science	8	8	-	-	-	-	-	-
Writers, artists, and entertainers	14	-	-	-	-	-	14	-
Actors and dancers	-	-	-	-	-	-	-	-
Authors, editors, and reporters	-	-	-	-	-	-	-	-
Other professional, technical, and kindred workers	48	14	34	-	17	17	-	-
Managers and administrators, except farm	103	86	6	-	-	6	11	-
Buyers, purchasing agents, and sales managers	24	24	-	-	-	-	-	-
Restaurant, cafeteria, and bar managers	7	7	-	-	-	-	-	-
School administrators	6	-	6	-	-	6	-	-
Other specified managers and administrators	38	38	-	-	-	-	-	-
Managers and administrators, n.e.c., salaried	17	17	-	-	-	-	-	-
Wholesale and retail trade	6	6	-	-	-	-	-	-
Managers and administrators, n.e.c., self-employed	11	-	-	-	-	-	11	-
Wholesale and retail trade	11	-	-	-	-	-	11	-
Sales workers	192	187	5	-	-	5	-	-
Demonstrators, hucksters, and peddlers	21	21	-	-	-	-	-	-
Insurance, real estate agents, and brokers	11	6	5	-	-	5	-	-
Sales clerks, retail trade	111	111	-	-	-	-	-	-
Salesmen, retail trade	-	-	-	-	-	-	-	-
Other sales workers	49	49	-	-	-	-	-	-
Clerical and kindred workers	1 135	859	265	127	72	66	6	5
Bank tellers	24	24	-	-	-	-	-	-
Bookkeepers	92	87	-	-	-	-	-	5
Cashiers	53	41	12	12	-	-	-	-
Counter clerks, except food	15	15	-	-	-	-	-	-
Enumerators and interviewers	-	-	-	-	-	-	-	-
File clerks	43	43	-	-	-	-	-	-
Office machine operators	71	68	3	-	-	3	-	-
Bookkeeping and billing machine operators	20	20	-	-	-	-	-	-
Keypunch operators	44	41	3	-	-	3	-	-
Payroll and timekeeping clerks	-	-	-	-	-	-	-	-
Receptionists	36	30	6	-	6	-	-	-
Secretaries	232	144	88	62	20	6	-	-
Stenographers	6	6	-	-	-	-	-	-
Telephone operators	22	22	-	-	-	-	-	-
Typists	86	67	19	6	7	6	-	-
Other clerical and kindred workers	455	312	137	47	39	51	6	-
Craftsmen and kindred workers	81	76	-	-	-	-	-	5
Foremen, n.e.c.	-	-	-	-	-	-	-	-
Operatives, except transport	1 027	962	54	11	5	38	4	7
Assemblers	209	209	-	-	-	-	-	-
Bottling and canning operatives	-	-	-	-	-	-	-	-
Checkers, examiners, and inspectors; manufacturing	51	51	-	-	-	-	-	-
Dressmakers and seamstresses, except factory	11	-	-	-	-	-	4	7
Laundry and drycleaning operatives, including ironers	37	37	-	-	-	-	-	-
Graders and sorters, manufacturing	-	-	-	-	-	-	-	-
Packers and wrappers, except produce	98	98	-	-	-	-	-	-
Sewers and stitchers	122	122	-	-	-	-	-	-
Textile operatives	25	25	-	-	-	-	-	-
Other specified operatives	149	130	19	-	-	19	-	-
Miscellaneous and not specified operatives	325	290	35	11	5	19	-	-
Manufacturing	303	278	25	6	-	19	-	-
Durable goods	195	170	25	6	-	19	-	-
Machinery, including electrical	64	64	-	-	-	-	-	-
Other durable goods	131	106	25	6	-	19	-	-
Nondurable goods, including not specified manufacturing	108	108	-	-	-	-	-	-
Food and kindred products	13	13	-	-	-	-	-	-
Apparel and other fabricated textile products	9	9	-	-	-	-	-	-
Nonmanufacturing industries	22	12	10	5	5	-	-	-
Transport equipment operatives	6	-	6	-	-	6	-	-
Laborers, except farm	87	69	18	12	6	-	-	-
Farmers and farm managers	-	-	-	-	-	-	-	-
Farm laborers and farm foremen	37	37	-	-	-	-	-	-
Paid farm laborers and farm foremen	37	37	-	-	-	-	-	-
Unpaid family workers	-	-	-	-	-	-	-	-
Service workers, except private household[1]	926	720	160	20	19	121	27	19
Cleaning service workers	211	174	30	7	6	17	-	7
Chambermaids and maids	70	56	7	7	-	-	-	7
Food service workers	212	168	25	13	-	12	13	6
Cooks, except private household	37	31	-	-	-	-	-	6
Waiters and food counter workers	126	113	13	13	-	-	-	-
Health service workers	297	218	73	-	13	60	-	6
Nursing aides, orderlies, and attendants	244	179	59	-	13	46	-	6
Practical nurses	29	29	-	-	-	-	-	-
Personal service workers	105	68	23	-	-	23	14	-
Hairdressers and cosmetologists	57	43	-	-	-	-	14	-
Private household workers	72	72	-	-	-	-	-	-
Private household workers, living in	17	17	-	-	-	-	-	-
Private household workers, living out	55	55	-	-	-	-	-	-

[1]Includes protective service workers and allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
APPLETON–OSHKOSH SMSA								
Total								
Male, 16 years old and over	**66 701**	**52 844**	**6 254**	**790**	**1 721**	**3 743**	**7 254**	**349**
Professional, technical, and kindred workers	**8 062**	**5 079**	**2 254**	**94**	**889**	**1 271**	**716**	**13**
Accountants	602	512	52	20	20	12	38	–
Architects	28	24	–	–	–	–	4	–
Computer specialists	212	203	9	–	9	–	–	–
Engineers	1 273	1 145	90	16	23	51	38	–
Aeronautical and astronautical	3	3	–	–	–	–	–	–
Civil	141	80	58	5	6	47	3	–
Electrical and electronic	109	109	–	–	–	–	–	–
Mechanical	278	272	–	–	–	–	6	–
Other engineers	742	681	32	11	17	4	29	–
Lawyers and judges	173	42	6	–	–	6	125	–
Life and physical scientists	190	163	16	9	7	–	11	–
Chemists	146	146	–	–	–	–	–	–
Physicians, dentists, and related practitioners	551	170	30	–	30	–	351	–
Dentists	121	9	–	–	–	–	112	–
Pharmacists	95	77	–	–	–	–	18	–
Physicians, medical and osteopathic	241	70	30	–	30	–	141	–
Other related practitioners	94	14	–	–	–	–	80	–
Health technologists and technicians	84	72	7	–	4	3	5	–
Religious workers	254	228	–	–	–	–	26	–
Social scientists	120	76	39	–	18	21	5	–
Social and recreation workers	157	36	121	–	43	78	–	–
Teachers	1 855	390	1 452	12	456	984	13	–
College and university	664	156	508	–	427	81	–	–
Elementary and prekindergarten	308	73	235	6	5	224	–	–
Secondary	822	138	684	6	17	661	–	–
Engineering and science technicians	962	898	59	8	22	29	5	–
Draftsmen and surveyors	374	341	28	4	–	24	5	–
Electrical and electronic engineering technicians	91	91	–	–	–	–	–	–
Technicians, except health, and engineering and science	136	109	21	11	6	4	6	–
Airplane pilots	64	58	–	–	–	–	6	–
Writers, artists, and entertainers	597	455	47	–	37	10	85	10
Other professional, technical, and kindred workers	868	556	305	18	214	73	4	3
Managers and administrators, except farm	**6 256**	**4 667**	**587**	**105**	**130**	**352**	**1 002**	–
Buyers, purchasing agents, and sales managers	901	849	26	8	–	18	26	–
School administrators	149	13	136	–	18	118	–	–
Specified managers and administrators, public administration	270	–	270	97	71	102	–	–
Other specified managers and administrators	942	771	55	–	20	35	116	–
Managers and administrators, n.e.c., salaried	3 134	3 034	100	–	21	79	–	–
Manufacturing	1 138	1 138	–	–	–	–	–	–
Wholesale and retail trade	982	982	–	–	–	–	–	–
Transportation, communications and other public utilities	239	187	52	–	–	52	–	–
All other industries	775	727	48	–	21	27	–	–
Managers and administrators, n.e.c., self-employed	860	–	–	–	–	–	860	–
Construction	195	–	–	–	–	–	195	–
Manufacturing	59	–	–	–	–	–	59	–
Wholesale and retail trade	438	–	–	–	–	–	438	–
All other industries	168	–	–	–	–	–	168	–
Sales workers	**4 074**	**3 632**	**19**	**10**	–	**9**	**414**	**9**
Insurance agents, brokers, and underwriters	586	461	5	5	–	–	115	5
Real estate agents and brokers	178	84	–	–	–	–	94	–
Sales representatives, manufacturing industries	748	723	–	–	–	–	25	–
Sales representatives, wholesale trade	657	622	6	–	–	6	29	–
Sales clerks, retail trade	762	667	–	–	–	–	91	4
Salesmen, retail trade	512	473	–	–	–	–	39	–
Salesmen of services and construction	180	169	5	5	–	–	6	–
Other sales workers	451	433	3	–	–	3	15	–
Clerical and kindred workers	**4 060**	**3 296**	**724**	**486**	**133**	**105**	**36**	**4**
Bank tellers and cashiers	82	82	–	–	–	–	–	–
Bookkeepers and billing clerks	301	288	–	–	–	–	9	4
Mail handlers and postal clerks	521	54	461	456	5	–	6	–
Other clerical and kindred workers	3 156	2 872	263	30	128	105	21	–
Craftsmen and kindred workers	**13 943**	**12 418**	**631**	**43**	**140**	**448**	**894**	–
Apparel craftsmen and upholsterers	62	52	–	–	–	–	10	–
Bakers	82	63	5	–	5	–	14	–
Cabinetmakers	67	56	–	–	–	–	11	–
Construction craftsmen	3 485	2 821	177	11	56	110	487	–
Carpenters	1 038	808	22	6	8	8	208	–
Excavating, grading, and road machine operators	341	232	79	–	5	74	30	–
Electricians	682	609	28	–	22	6	45	–
Masons and tile setters	295	248	6	–	6	–	41	–
Painters, construction and maintenance, and paperhangers	296	202	29	5	12	12	65	–
Plasterers and cement finishers	129	106	–	–	–	–	23	–
Plumbers and pipe fitters	480	416	8	–	3	5	56	–
Other construction craftsmen	224	200	5	–	–	5	19	–
Foremen, n.e.c.	2 272	2 146	113	6	35	72	13	–
Manufacturing	1 576	1 566	–	–	–	–	10	–
Nonmanufacturing industries	696	580	113	6	35	72	3	–
Linemen and servicemen, telephone and power	422	408	14	–	–	14	–	–
Locomotive engineers and firemen	39	39	–	–	–	–	–	–
Mechanics and repairmen	2 867	2 544	124	–	16	108	199	–
Air conditioning, heating, and refrigeration	113	94	6	–	6	–	13	–
Aircraft	24	24	–	–	–	–	–	–
Automobile, including body	1 255	1 058	47	–	3	44	150	–
Radio and television	106	90	6	–	–	6	10	–
Other mechanics and repairmen	1 369	1 278	65	–	7	58	26	–
Metal craftsmen, except mechanics	2 078	2 033	16	5	5	6	29	–
Machinists and job and die setters	787	768	5	–	5	–	14	–
Sheetmetal workers and tinsmiths	283	278	–	–	–	–	5	–
Tool and die makers	168	168	–	–	–	–	–	–
Other metal craftsmen	840	819	11	5	–	6	10	–
Printing craftsmen	1 172	1 168	–	–	–	–	4	–
Compositors and typesetters	354	350	–	–	–	–	4	–
Pressmen and plate printers, printing	599	599	–	–	–	–	–	–
Stationary engineers and power station operators	223	111	103	–	19	84	9	–
Other craftsmen and kindred workers	1 174	977	79	21	4	54	118	–

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers			Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
APPLETON–OSHKOSH SMSA—Continued							
Total—Continued							
Male, 16 years old and over—Continued							
Operatives, except transport	**13 369**	**13 038**	**125**	**10**	**32**	**83**	**192**	**14**
Assemblers	955	955	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	412	403	–	–	–	–	5	4
Garage workers and gas station attendants	475	472	–	–	–	–	3	–
Laundry and drycleaning operatives, n.e.c	96	69	5	–	–	5	22	–
Meat cutters and butchers	229	204	15	5	6	4	5	5
Mine operatives, n.e.c	25	25	–	–	–	–	–	–
Packers and wrappers, except produce	429	429	–	–	–	–	–	–
Painters, manufactured articles	154	154	–	–	–	–	–	–
Precision machine operatives	1 051	1 047	–	–	–	–	4	–
Sawyers	122	122	–	–	–	–	–	–
Stationary firemen	195	167	28	–	17	11	–	–
Textile operatives	138	128	5	–	5	–	5	–
Welders and flamecutters	665	634	4	–	–	4	22	5
Other metalworking operatives	549	549	–	–	–	–	–	–
Other specified operatives	1 950	1 872	9	–	–	9	69	–
Miscellaneous and not specified operatives	5 924	5 808	59	5	4	50	57	–
Occupation:								
Machine operatives, miscellaneous specified	3 016	2 969	20	–	–	20	27	–
Machine operatives, not specified	1 173	1 168	5	5	–	–	–	–
Miscellaneous operatives	872	829	34	–	4	30	9	–
Not specified operatives	863	842	–	–	–	–	21	–
Industry:								
Manufacturing	5 514	5 474	14	5	4	5	26	–
Durable goods	1 604	1 595	4	–	4	–	5	–
Wood products, including furniture	269	269	–	–	–	–	–	–
Primary metal industries	432	427	–	–	–	–	5	–
Fabricated metal industries	227	227	–	–	–	–	–	–
Machinery, including electrical	479	479	–	–	–	–	–	–
Motor vehicles and equipment	121	117	4	–	4	–	–	–
Transportation equipment, except motor vehicles	4	4	–	–	–	–	–	–
Other durable goods	72	72	–	–	–	–	–	–
Nondurable goods	3 886	3 855	10	5	–	5	21	–
Food and kindred products	340	319	–	–	–	–	21	–
Apparel and other fabricated textile products	19	19	–	–	–	–	–	–
Paper and allied products	3 152	3 142	10	5	–	5	–	–
Chemicals and allied products	28	28	–	–	–	–	–	–
Other nondurable goods	347	347	–	–	–	–	–	–
Not specified manufacturing industries	24	24	–	–	–	–	–	–
Nonmanufacturing industries	410	334	45	–	–	45	31	–
Transportation, communications, and other public utilities	65	45	20	–	–	20	–	–
Wholesale and retail trade	229	202	–	–	–	–	27	–
All other industries	116	87	25	–	–	25	4	–
Transport equipment operatives	**3 636**	**3 283**	**178**	**12**	**12**	**154**	**166**	**9**
Bus drivers	109	72	19	–	–	19	9	9
Taxicab drivers and chauffeurs	123	113	–	–	–	–	10	–
Truck drivers and deliverymen	2 514	2 245	144	8	6	130	125	–
Other transport equipment operatives	890	853	15	4	6	5	22	–
Laborers, except farm	**3 850**	**3 474**	**319**	**14**	**39**	**266**	**46**	**11**
Construction laborers	563	482	81	–	5	76	–	–
Freight, stock, and material handlers	1 489	1 364	120	5	–	115	5	–
Other specified laborers	711	602	73	4	21	48	32	4
Miscellaneous and not specified laborers	1 087	1 026	45	5	13	27	9	7
Occupation:								
Miscellaneous laborers	280	254	10	–	–	10	9	7
Not specified laborers	807	772	35	5	13	17	–	–
Industry:								
Manufacturing	777	766	4	–	–	4	–	7
Durable goods	458	447	4	–	–	4	–	7
Wood products, including furniture	64	64	–	–	–	–	–	–
Metal industries	245	234	4	–	–	4	–	7
Machinery, including electrical	86	86	–	–	–	–	–	–
Transportation equipment	32	32	–	–	–	–	–	–
Other durable goods	31	31	–	–	–	–	–	–
Nondurable goods	319	319	–	–	–	–	–	–
Food and kindred products	89	89	–	–	–	–	–	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–
Nonmanufacturing industries	310	260	41	5	13	23	9	–
Railroads and railway express service	45	40	5	5	–	–	–	–
Transportation, except railroads	4	4	–	–	–	–	–	–
Communications, and utilities and sanitary services	14	–	10	–	–	10	4	–
Wholesale and retail trade	109	109	–	–	–	–	–	–
All other industries	138	107	26	–	13	13	5	–
Farmers and farm managers	**3 549**	**122**	–	–	–	–	**3 427**	–
Farm laborers and farm foremen	**1 034**	**719**	**21**	–	**10**	**11**	**10**	**284**
Paid farm laborers and farm foremen	750	719	21	–	10	11	10	–
Unpaid family workers	284	–	–	–	–	–	–	284
Service workers, except private household[1]	**4 857**	**3 105**	**1 396**	**16**	**336**	**1 044**	**351**	**5**
Cleaning service workers	1 730	1 279	429	10	105	314	22	–
Food service workers	1 343	1 087	62	–	48	14	189	5
Cooks, except private household	338	290	32	–	22	10	16	–
Busboys and dishwashers	263	263	–	–	–	–	–	–
Health service workers	267	115	146	–	109	37	6	–
Personal service workers	370	217	28	–	12	16	125	–
Protective service workers	966	249	717	6	62	649	–	–
Firemen, fire protection	243	10	233	–	–	233	–	–
Guards and watchmen	285	228	57	6	34	17	–	–
Policemen and detectives	399	11	388	–	28	360	–	–
Private household workers	**11**	**11**	–	–	–	–	–	–

[1] Includes allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
APPLETON–OSHKOSH SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**37 734**	**30 233**	**5 572**	**276**	**1 534**	**3 762**	**1 212**	**717**
Professional, technical, and kindred workers	**5 714**	**2 938**	**2 584**	**43**	**524**	**2 017**	**173**	**19**
Accountants	271	226	29	10	5	14	13	3
Computer specialists	25	22	3	–	3	–	–	–
Librarians	141	55	86	–	31	55	–	–
Mathematical specialists	20	16	4	–	–	4	–	–
Life and physical scientists	15	15	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	1 045	834	206	–	93	113	5	–
Dietitians	49	21	28	–	11	17	–	–
Registered nurses	918	778	135	–	56	79	5	–
Health technologists and technicians	249	226	23	–	4	19	–	–
Social scientists	13	9	4	–	–	4	–	–
Social and recreation workers	101	34	67	–	9	58	–	–
Teachers: College and university	274	65	209	13	155	41	–	–
Elementary and prekindergarten	1 683	563	1 120	8	43	1 069	–	–
Secondary	705	166	539	–	10	529	–	–
Other teachers	161	30	39	–	20	19	92	–
Engineering and science technicians	165	161	4	–	4	–	–	–
Technicians, except health, and engineering and science	29	24	5	–	–	5	–	–
Writers, artists, and entertainers	306	234	36	4	13	19	36	–
Actors and dancers	5	–	5	–	–	5	–	–
Authors, editors, and reporters	83	70	–	–	–	–	13	–
Other professional, technical, and kindred workers	511	258	210	8	134	68	27	16
Managers and administrators, except farm	**913**	**634**	**85**	**18**	**22**	**45**	**163**	**31**
Buyers, purchasing agents, and sales managers	108	103	–	–	–	–	–	5
Restaurant, cafeteria, and bar managers	85	32	–	–	–	–	48	5
School administrators	69	48	21	–	5	16	–	–
Other specified managers and administrators	200	147	53	18	6	29	–	–
Managers and administrators, n.e.c., salaried	315	304	11	–	11	–	–	–
Wholesale and retail trade	97	97	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	136	–	–	–	–	–	115	21
Wholesale and retail trade	70	–	–	–	–	–	59	11
Sales workers	**2 983**	**2 752**	**16**	**–**	**6**	**10**	**149**	**66**
Demonstrators, hucksters, and peddlers	135	106	–	–	–	–	29	–
Insurance, real estate agents, and brokers	92	75	–	–	–	–	17	–
Sales clerks, retail trade	2 285	2 157	10	–	–	10	70	48
Salesmen, retail trade	98	76	–	–	–	–	17	5
Other sales workers	373	338	6	–	6	–	16	13
Clerical and kindred workers	**12 095**	**10 260**	**1 708**	**182**	**663**	**863**	**60**	**67**
Bank tellers	231	210	21	9	–	12	–	–
Bookkeepers	1 314	1 220	48	–	5	43	17	29
Cashiers	938	892	32	5	12	15	6	8
Counter clerks, except food	223	217	6	–	6	–	–	–
Enumerators and interviewers	28	18	10	5	–	5	–	–
File clerks	161	134	27	–	16	11	–	–
Office machine operators	519	473	46	9	25	12	–	–
Bookkeeping and billing machine operators	103	94	9	9	–	–	–	–
Keypunch operators	278	253	25	–	19	6	–	–
Payroll and timekeeping clerks	126	116	10	–	5	5	–	–
Receptionists	541	457	78	–	46	32	6	–
Secretaries	2 964	2 506	440	15	152	273	12	6
Stenographers	195	136	55	15	23	17	4	–
Telephone operators	343	319	24	–	24	–	–	–
Typists	833	610	223	8	135	80	–	–
Other clerical and kindred workers	3 679	2 952	688	116	214	358	15	24
Craftsmen and kindred workers	**706**	**643**	**14**	**–**	**6**	**8**	**49**	**–**
Foremen, n.e.c.	190	184	6	–	6	–	–	–
Operatives, except transport	**5 217**	**5 091**	**43**	**–**	**12**	**31**	**57**	**26**
Assemblers	601	596	5	–	–	5	–	–
Bottling and canning operatives	21	21	–	–	–	–	–	–
Checkers, examiners, and inspectors, manufacturing	236	236	–	–	–	–	–	–
Dressmakers and seamstresses, except factory	145	124	–	–	–	–	21	–
Laundry and drycleaning operatives, including ironers	273	267	6	–	–	6	–	–
Graders and sorters, manufacturing	105	105	–	–	–	–	–	–
Packers and wrappers, except produce	729	724	–	–	–	–	5	–
Sewers and stitchers	548	539	–	–	–	–	9	–
Textile operatives	426	421	5	–	–	5	–	–
Other specified operatives	798	748	10	–	6	4	14	26
Miscellaneous and not specified operatives	1 335	1 310	17	–	6	11	8	–
Manufacturing	1 176	1 163	5	–	–	5	8	–
Durable goods	491	491	–	–	–	–	–	–
Machinery, including electrical	57	57	–	–	–	–	–	–
Other durable goods	434	434	–	–	–	–	–	–
Nondurable goods, including not specified manufacturing	685	672	5	–	–	5	8	–
Food and kindred products	47	39	–	–	–	–	8	–
Apparel and other fabricated textile products	22	22	–	–	–	–	–	–
Nonmanufacturing industries	159	147	12	–	6	6	–	–
Transport equipment operatives	**170**	**109**	**47**	**6**	**–**	**41**	**14**	**–**
Laborers, except farm	**425**	**401**	**15**	**10**	**5**	**–**	**–**	**9**
Farmers and farm managers	**273**	**10**	**–**	**–**	**–**	**–**	**263**	**–**
Farm laborers and farm foremen	**593**	**140**	**4**	**–**	**4**	**–**	**–**	**449**
Paid farm laborers and farm foremen	144	140	4	–	4	–	–	–
Unpaid family workers	449	–	–	–	–	–	–	449
Service workers, except private household[1]	**7 777**	**6 387**	**1 056**	**17**	**292**	**747**	**284**	**50**
Cleaning service workers	970	791	165	9	74	82	8	6
Chambermaids and maids	220	193	17	–	11	6	4	6
Food service workers	3 508	3 105	261	8	53	200	107	35
Cooks, except private household	850	678	131	8	4	119	21	20
Waiters and food counter workers	1 769	1 715	31	–	4	27	18	5
Health service workers	2 038	1 611	421	–	161	260	6	–
Nursing aides, orderlies, and attendants	1 328	993	329	–	113	216	6	–
Practical nurses	387	325	62	–	32	30	–	–
Personal service workers	750	526	71	–	4	67	153	–
Hairdressers and cosmetologists	483	351	9	–	–	9	123	–
Private household workers	**868**	**868**	**–**	**–**	**–**	**–**	**–**	**–**
Private household workers, living in	84	84	–	–	–	–	–	–
Private household workers, living out	784	784	–	–	–	–	–	–

[1]Includes protective service workers and allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
DULUTH–SUPERIOR, MINN.–WIS., SMSA								
Total								
Male, 16 years old and over	**58 735**	**45 372**	**9 623**	**1 937**	**2 145**	**5 541**	**3 666**	**74**
Professional, technical, and kindred workers	**7 275**	**3 744**	**2 976**	**323**	**884**	**1 769**	**550**	**5**
Accountants	509	400	62	8	34	20	47	–
Architects	38	38	–	–	–	–	–	–
Computer specialists	73	54	19	4	–	15	–	–
Engineers	934	761	156	50	58	48	17	–
Aeronautical and astronautical	–	–	–	–	–	–	–	–
Civil	222	106	116	37	36	43	–	–
Electrical and electronic	161	157	4	4	–	–	–	–
Mechanical	169	162	–	–	–	–	7	–
Other engineers	382	336	36	9	22	5	10	–
Lawyers and judges	194	90	9	–	–	9	95	–
Life and physical scientists	232	165	67	47	7	13	–	–
Chemists	141	128	13	5	–	8	–	–
Physicians, dentists, and related practitioners	583	311	–	–	–	–	272	–
Dentists	124	19	–	–	–	–	105	–
Pharmacists	137	105	–	–	–	–	32	–
Physicians, medical and osteopathic	259	173	–	–	–	–	86	–
Other related practitioners	63	14	–	–	–	–	49	–
Health technologists and technicians	68	46	22	10	7	5	–	–
Religious workers	296	260	5	–	5	–	31	–
Social scientists	50	9	36	4	6	26	5	–
Social and recreation workers	201	46	155	–	14	141	–	–
Teachers	1 982	264	1 711	27	396	1 288	7	–
College and university	404	40	364	22	318	24	–	–
Elementary and prekindergarten	617	93	524	–	42	482	–	–
Secondary	863	98	765	–	32	733	–	–
Engineering and science technicians	722	500	217	22	130	65	5	–
Draftsmen and surveyors	355	263	87	8	46	33	5	–
Electrical and electronic engineering technicians	81	53	28	14	7	7	–	–
Technicians, except health, and engineering and science	123	52	69	37	27	5	2	–
Airplane pilots	14	14	–	–	–	–	–	–
Writers, artists, and entertainers	449	324	60	–	32	28	60	5
Other professional, technical, and kindred workers	821	424	388	114	168	106	9	–
Managers and administrators, except farm	**6 386**	**4 267**	**1 061**	**321**	**267**	**473**	**1 046**	**12**
Buyers, purchasing agents, and sales managers	673	585	65	20	14	31	23	–
School administrators	253	16	231	7	56	168	6	–
Specified managers and administrators, public administration	556	–	556	248	122	186	–	–
Other specified managers and administrators	1 469	1 200	58	12	21	25	199	12
Managers and administrators, n.e.c., salaried	2 617	2 466	151	34	54	63	–	–
Manufacturing	276	271	5	–	–	5	–	–
Wholesale and retail trade	1 127	1 121	6	6	–	–	–	–
Transportation, communications and other public utilities	424	407	17	–	–	17	–	–
All other industries	790	667	123	28	54	41	–	–
Managers and administrators, n.e.c., self-employed	818	–	–	–	–	–	818	–
Construction	122	–	–	–	–	–	122	–
Manufacturing	53	–	–	–	–	–	53	–
Wholesale and retail trade	460	–	–	–	–	–	460	–
All other industries	183	–	–	–	–	–	183	–
Sales workers	**3 180**	**2 779**	**15**	**–**	**–**	**15**	**380**	**6**
Insurance agents, brokers, and underwriters	391	329	–	–	–	–	62	–
Real estate agents and brokers	82	47	–	–	–	–	35	–
Sales representatives, manufacturing industries	237	225	–	–	–	–	12	–
Sales representatives, wholesale trade	744	696	–	–	–	–	48	–
Sales clerks, retail trade	769	655	6	–	–	6	102	6
Salesmen, retail trade	395	339	–	–	–	–	56	–
Salesmen of services and construction	115	101	4	–	–	4	10	–
Other sales workers	447	387	5	–	–	5	55	–
Clerical and kindred workers	**3 490**	**2 384**	**1 069**	**673**	**149**	**247**	**37**	**–**
Bank tellers and cashiers	89	83	6	–	–	6	–	–
Bookkeepers and billing clerks	268	215	37	18	5	14	16	–
Mail handlers and postal clerks	503	30	473	473	–	–	–	–
Other clerical and kindred workers	2 630	2 056	553	182	144	227	21	–
Craftsmen and kindred workers	**15 724**	**13 790**	**1 293**	**261**	**252**	**780**	**628**	**13**
Apparel craftsmen and upholsterers	78	52	5	5	–	–	21	–
Bakers	110	107	–	–	–	–	3	–
Cabinetmakers	70	46	–	–	–	–	24	–
Construction craftsmen	3 990	3 344	408	49	66	293	225	13
Carpenters	727	552	53	11	18	24	116	6
Excavating, grading, and road machine operators	1 098	841	230	4	26	200	27	–
Electricians	984	928	46	9	13	24	10	–
Masons and tile setters	172	164	4	–	4	–	4	–
Painters, construction and maintenance, and paperhangers	293	196	54	15	5	34	36	7
Plasterers and cement finishers	61	55	–	–	–	–	6	–
Plumbers and pipe fitters	428	387	21	10	–	11	20	–
Other construction craftsmen	227	221	–	–	–	–	6	–
Foremen, n.e.c.	2 341	2 223	98	10	16	72	20	–
Manufacturing	562	556	–	–	–	–	6	–
Nonmanufacturing industries	1 779	1 667	98	10	16	72	14	–
Linemen and servicemen, telephone and power	563	508	55	–	–	55	–	–
Locomotive engineers and firemen	447	447	–	–	–	–	–	–
Mechanics and repairmen	4 190	3 563	446	150	91	205	181	–
Air conditioning, heating, and refrigeration	54	37	8	–	–	8	9	–
Aircraft	121	22	99	87	12	–	–	–
Automobile, including body	1 388	1 163	119	20	30	69	106	–
Radio and television	178	128	23	13	6	4	27	–
Other mechanics and repairmen	2 449	2 213	197	30	43	124	39	–
Metal craftsmen, except mechanics	1 376	1 337	18	13	–	5	21	–
Machinists and job and die setters	497	482	8	8	–	–	7	–
Sheetmetal workers and tinsmiths	206	191	5	5	–	–	10	–
Tool and die makers	47	47	–	–	–	–	–	–
Other metal craftsmen	626	617	5	–	–	5	4	–
Printing craftsmen	388	368	–	–	–	–	20	–
Compositors and typesetters	228	214	–	–	–	–	14	–
Pressmen and plate printers, printing	94	88	–	–	–	–	6	–
Stationary engineers and power station operators	480	335	139	–	5	134	6	–
Other craftsmen and kindred workers	1 691	1 460	124	34	74	16	107	–

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas of 250,000 or More

DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued

Total—Continued

Male, 16 years old and over—Continued

	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
Operatives, except transport	**8 027**	**7 633**	**247**	**55**	**79**	**113**	**143**	**4**
Assemblers	153	148	5	–	5	–	–	–
Checkers, examiners, and inspectors; manufacturing	93	83	10	5	–	5	–	–
Garage workers and gas station attendants	731	678	–	–	–	–	49	4
Laundry and drycleaning operatives, n.e.c	56	52	–	–	–	–	4	–
Meat cutters and butchers	270	251	6	–	–	6	13	–
Mine operatives, n.e.c	1 176	1 171	5	5	–	–	–	–
Packers and wrappers, except produce	166	162	4	4	–	–	–	–
Painters, manufactured articles	43	38	–	–	–	–	5	–
Precision machine operatives	260	248	–	–	–	–	12	–
Sawyers	54	49	–	–	–	–	5	–
Stationary firemen	192	121	71	6	16	49	–	–
Textile operatives	28	28	–	–	–	–	–	–
Welders and flamecutters	1 102	1 084	18	4	8	6	–	–
Other metalworking operatives	329	320	–	–	–	–	9	–
Other specified operatives	1 803	1 723	53	20	24	9	27	–
Miscellaneous and not specified operatives	1 571	1 477	75	11	26	38	19	–
Occupation:								
Machine operatives, miscellaneous specified	589	578	6	6	–	–	5	–
Machine operatives, not specified	386	372	9	5	–	4	5	–
Miscellaneous operatives	421	368	48	–	21	27	5	–
Not specified operatives	175	159	12	–	5	7	4	–
Industry:								
Manufacturing	1 040	1 030	5	5	–	–	5	–
Durable goods	737	727	5	5	–	–	5	–
Wood products, including furniture	81	81	–	–	–	–	–	–
Primary metal industries	307	302	5	5	–	–	–	–
Fabricated metal industries	129	129	–	–	–	–	–	–
Machinery, including electrical	104	104	–	–	–	–	–	–
Motor vehicles and equipment	–	–	–	–	–	–	–	–
Transportation equipment, except motor vehicles	26	26	–	–	–	–	–	–
Other durable goods	90	85	–	–	–	–	5	–
Nondurable goods	299	299	–	–	–	–	–	–
Food and kindred products	102	102	–	–	–	–	–	–
Apparel and other fabricated textile products	13	13	–	–	–	–	–	–
Paper and allied products	59	59	–	–	–	–	–	–
Chemicals and allied products	13	13	–	–	–	–	–	–
Other nondurable goods	112	112	–	–	–	–	–	–
Not specified manufacturing industries	4	4	–	–	–	–	–	–
Nonmanufacturing industries	531	447	70	6	26	38	14	–
Transportation, communications, and other public utilities	207	190	17	–	–	17	–	–
Wholesale and retail trade	178	169	–	–	–	–	9	–
All other industries	146	88	53	6	26	21	5	–
Transport equipment operatives	**4 188**	**3 529**	**506**	**29**	**31**	**466**	**148**	**5**
Bus drivers	344	110	234	–	5	229	–	–
Taxicab drivers and chauffeurs	126	95	14	–	–	14	17	–
Truck drivers and deliverymen	2 797	2 429	238	15	26	197	125	5
Other transport equipment operatives	921	895	20	14	–	6	6	–
Laborers, except farm	**4 551**	**3 771**	**593**	**102**	**146**	**345**	**181**	**6**
Construction laborers	676	523	153	14	39	100	–	–
Freight, stock, and material handlers	1 444	1 246	140	48	4	88	58	–
Other specified laborers	943	685	135	–	71	64	123	–
Miscellaneous and not specified laborers	1 488	1 317	165	40	32	93	–	6
Occupation:								
Miscellaneous laborers	622	558	64	5	10	49	–	–
Not specified laborers	866	759	101	35	22	44	–	6
Industry:								
Manufacturing	586	582	4	–	4	–	–	–
Durable goods	465	461	4	–	4	–	–	–
Wood products, including furniture	41	41	–	–	–	–	–	–
Metal industries	365	365	–	–	–	–	–	–
Machinery, including electrical	27	27	–	–	–	–	–	–
Transportation equipment	–	–	–	–	–	–	–	–
Other durable goods	32	28	4	–	4	–	–	–
Nondurable goods	121	121	–	–	–	–	–	–
Food and kindred products	56	56	–	–	–	–	–	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–
Nonmanufacturing industries	902	735	161	40	28	93	–	6
Railroads and railway express service	315	315	–	–	–	–	–	–
Transportation, except railroads	18	18	–	–	–	–	–	–
Communications, and utilities and sanitary services	73	25	48	–	6	42	–	–
Wholesale and retail trade	210	210	–	–	–	–	–	–
All other industries	286	167	113	40	22	51	–	6
Farmers and farm managers	**427**	**20**	–	–	–	–	**407**	–
Farm laborers and farm foremen	**206**	**182**	**5**	**5**	–	–	–	**19**
Paid farm laborers and farm foremen	187	182	5	5	–	–	–	–
Unpaid family workers	19	–	–	–	–	–	–	19
Service workers, except private household[1]	**5 242**	**3 239**	**1 858**	**168**	**337**	**1 353**	**141**	**4**
Cleaning service workers	2 267	1 342	903	94	214	595	22	–
Food service workers	1 264	1 162	67	16	13	38	31	4
Cooks, except private household	358	332	26	12	5	9	–	–
Busboys and dishwashers	311	302	9	4	–	5	–	–
Health service workers	188	136	47	4	–	43	5	–
Personal service workers	374	225	66	5	29	32	83	–
Protective service workers	923	196	727	49	74	604	–	–
Firemen, fire protection	330	5	325	26	–	299	–	–
Guards and watchmen	236	155	81	6	26	49	–	–
Policemen and detectives	278	17	261	7	48	206	–	–
Private household workers	**39**	**34**	–	–	–	–	5	–

[1]Includes allocated cases not shown separately.

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Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued								
Total—Continued								
Female, 16 years old and over	32 616	24 381	6 842	917	1 166	4 759	1 135	258
Professional, technical, and kindred workers	5 699	2 753	2 803	107	404	2 292	138	5
Accountants	167	121	37	5	5	27	9	–
Computer specialists	16	10	6	6	–	–	–	–
Librarians	111	10	101	–	36	65	–	–
Mathematical specialists	6	–	6	–	–	6	–	–
Life and physical scientists	32	27	5	5	–	–	–	–
Registered nurses, dietitians, and therapists	1 347	1 145	185	6	–	179	17	–
Dietitians	27	27	–	–	–	–	–	–
Registered nurses	1 246	1 060	169	6	–	163	17	–
Health technologists and technicians	390	342	48	–	5	43	–	–
Social scientists	12	–	12	–	5	7	–	–
Social and recreation workers	254	78	176	4	13	159	–	–
Teachers: College and university	241	67	174	–	148	26	–	–
Elementary and prekindergarten	1 516	235	1 277	18	87	1 172	4	–
Secondary	636	105	531	16	22	493	–	–
Other teachers	220	83	47	20	–	27	85	5
Engineering and science technicians	62	46	16	4	12	–	–	–
Technicians, except health, and engineering and science	20	5	15	9	–	6	–	–
Writers, artists, and entertainers	194	176	14	–	5	9	4	–
Actors and dancers	–	–	–	–	–	–	–	–
Authors, editors, and reporters	53	53	–	–	–	–	–	–
Other professional, technical, and kindred workers	475	303	153	14	66	73	19	–
Managers and administrators, except farm	1 239	783	150	21	15	114	282	24
Buyers, purchasing agents, and sales managers	157	136	11	6	–	5	5	5
Restaurant, cafeteria, and bar managers	148	32	19	–	–	19	93	4
School administrators	60	33	27	–	11	16	–	–
Other specified managers and administrators	242	175	63	15	–	48	4	–
Managers and administrators, n.e.c., salaried	437	407	30	–	4	26	–	–
Wholesale and retail trade	220	215	5	–	–	5	–	–
Managers and administrators, n.e.c., self-employed	195	–	–	–	–	–	180	15
Wholesale and retail trade	136	–	–	–	–	–	131	5
Sales workers	2 538	2 337	17	8	5	4	125	59
Demonstrators, hucksters, and peddlers	178	155	–	–	–	–	23	–
Insurance, real estate agents, and brokers	72	66	–	–	–	–	6	–
Sales clerks, retail trade	1 932	1 800	4	4	–	–	83	45
Salesmen, retail trade	50	44	–	–	–	–	–	6
Other sales workers	306	272	13	4	5	4	13	8
Clerical and kindred workers	10 178	7 541	2 433	657	628	1 148	121	83
Bank tellers	289	289	–	–	–	–	–	–
Bookkeepers	1 532	1 231	176	29	14	133	75	50
Cashiers	838	797	41	8	28	5	–	–
Counter clerks, except food	193	187	6	6	–	–	–	–
Enumerators and interviewers	147	11	130	130	–	–	6	–
File clerks	137	122	15	5	–	10	–	–
Office machine operators	250	194	56	15	12	29	–	–
Bookkeeping and billing machine operators	59	59	–	–	–	–	–	–
Keypunch operators	132	97	35	9	6	20	–	–
Payroll and timekeeping clerks	94	58	36	11	–	25	–	–
Receptionists	344	286	58	8	28	22	–	–
Secretaries	2 377	1 709	647	129	166	352	9	12
Stenographers	275	168	102	15	42	45	5	–
Telephone operators	362	339	23	19	4	–	–	–
Typists	728	465	263	62	111	90	–	–
Other clerical and kindred workers	2 612	1 685	880	220	223	437	26	21
Craftsmen and kindred workers	502	452	15	5	10	–	35	–
Foremen, n.e.c.	126	126	–	–	–	–	–	–
Operatives, except transport	2 602	2 456	80	11	6	63	62	4
Assemblers	178	178	–	–	–	–	–	–
Bottling and canning operatives	14	14	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	60	60	–	–	–	–	–	–
Dressmakers and seamstresses, except factory	156	113	–	–	–	–	43	–
Laundry and drycleaning operatives, including ironers	390	353	37	–	–	37	–	–
Graders and sorters, manufacturing	–	–	–	–	–	–	–	–
Packers and wrappers, except produce	267	267	–	–	–	–	–	–
Sewers and stitchers	755	740	6	–	–	6	9	–
Textile operatives	54	54	–	–	–	–	–	–
Other specified operatives	332	300	22	6	6	10	10	–
Miscellaneous and not specified operatives	396	377	15	5	–	10	–	4
Manufacturing	281	281	–	–	–	–	–	–
Durable goods	31	31	–	–	–	–	–	–
Machinery, including electrical	15	15	–	–	–	–	–	–
Other durable goods	16	16	–	–	–	–	–	–
Nondurable goods, including not specified manufacturing	250	250	–	–	–	–	–	–
Food and kindred products	112	112	–	–	–	–	–	–
Apparel and other fabricated textile products	115	115	–	–	–	–	–	–
Nonmanufacturing industries	115	96	15	5	–	10	–	4
Transport equipment operatives	93	41	47	3	–	44	5	–
Laborers, except farm	310	268	9	9	–	–	33	–
Farmers and farm managers	42	–	–	–	–	–	42	–
Farm laborers and farm foremen	77	25	12	12	–	–	–	40
Paid farm laborers and farm foremen	37	25	12	12	–	–	–	–
Unpaid family workers	40	–	–	–	–	–	–	40
Service workers, except private household[1]	8 254	6 643	1 276	84	98	1 094	292	43
Cleaning service workers	938	803	124	17	–	107	11	–
Chambermaids and maids	288	279	3	–	–	3	6	–
Food service workers	3 495	2 997	389	26	39	324	69	40
Cooks, except private household	849	631	180	5	6	169	23	15
Waiters and food counter workers	1 781	1 709	54	14	13	27	4	14
Health service workers	2 323	1 831	478	–	14	464	11	3
Nursing aides, orderlies, and attendants	1 320	993	327	–	5	322	–	–
Practical nurses	556	414	131	–	5	126	11	–
Personal service workers	1 030	638	210	37	35	138	182	–
Hairdressers and cosmetologists	465	344	–	–	–	–	121	–
Private household workers	1 082	1 082	–	–	–	–	–	–
Private household workers, living in	71	71	–	–	–	–	–	–
Private household workers, living out	1 011	1 011	–	–	–	–	–	–

[1]Includes protective service workers and allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
MADISON SMSA								
Total								
Male, 16 years old and over	71 561	43 183	21 244	2 606	14 331	4 307	6 760	374
Professional, technical, and kindred workers	17 718	5 251	11 348	1 028	8 928	1 392	1 107	12
Accountants	1 223	623	504	81	399	24	89	7
Architects	165	89	44	–	44	–	32	–
Computer specialists	478	156	318	5	309	4	4	–
Engineers	1 710	1 019	649	115	477	57	42	–
Aeronautical and astronautical	–	–	–	–	–	–	–	–
Civil	511	155	333	22	275	36	23	–
Electrical and electronic	372	295	73	5	58	10	4	–
Mechanical	167	139	28	13	15	–	–	–
Other engineers	660	430	215	75	129	11	15	–
Lawyers and judges	649	136	254	25	192	37	259	–
Life and physical scientists	697	138	559	163	396	–	–	–
Chemists	249	70	179	36	143	–	–	–
Physicians, dentists, and related practitioners	1 225	356	483	97	372	14	386	–
Dentists	139	15	5	–	5	–	119	–
Pharmacists	235	161	63	11	48	4	11	–
Physicians, medical and osteopathic	692	151	375	61	304	10	166	–
Other related practitioners	159	29	40	25	15	–	90	–
Health technologists and technicians	207	64	135	11	108	16	8	–
Religious workers	324	303	–	–	–	–	21	–
Social scientists	278	57	216	24	146	46	5	–
Social and recreation workers	287	74	213	18	140	55	–	–
Teachers	4 868	314	4 511	62	3 531	918	43	–
College and university	3 641	135	3 506	41	3 379	86	–	–
Elementary and prekindergarten	264	51	213	10	11	192	–	–
Secondary	821	101	720	5	95	620	–	–
Engineering and science technicians	1 400	646	743	91	597	55	11	–
Draftsmen and surveyors	487	310	166	6	130	30	11	–
Electrical and electronic engineering technicians	281	121	160	5	141	14	–	–
Technicians, except health, and engineering and science	275	104	171	35	119	17	–	–
Airplane pilots	59	51	8	3	5	–	–	–
Writers, artists, and entertainers	1 120	615	352	35	293	24	153	–
Other professional, technical, and kindred workers	2 812	557	2 196	266	1 805	125	54	5
Managers and administrators, except farm	8 168	5 414	1 781	249	1 025	507	973	–
Buyers, purchasing agents, and sales managers	938	814	93	5	67	21	31	–
School administrators	301	22	279	–	72	207	–	–
Specified managers and administrators, public administration	838	–	838	204	458	176	–	–
Other specified managers and administrators	1 513	1 162	165	4	136	25	186	–
Managers and administrators, n.e.c., salaried	3 822	3 416	406	36	292	78	–	–
Manufacturing	640	627	13	7	6	–	–	–
Wholesale and retail trade	1 283	1 275	8	–	8	–	–	–
Transportation, communications and other public utilities	339	290	49	–	34	15	–	–
All other industries	1 560	1 224	336	29	244	63	–	–
Managers and administrators, n.e.c., self-employed	756	–	–	–	–	–	756	–
Construction	125	–	–	–	–	–	125	–
Manufacturing	45	–	–	–	–	–	45	–
Wholesale and retail trade	439	–	–	–	–	–	439	–
All other industries	147	–	–	–	–	–	147	–
Sales workers	5 292	4 751	63	31	18	14	472	6
Insurance agents, brokers, and underwriters	868	748	–	–	–	–	120	–
Real estate agents and brokers	261	181	6	6	–	–	74	–
Sales representatives, manufacturing industries	505	484	11	6	–	5	10	–
Sales representatives, wholesale trade	916	860	–	–	–	–	56	–
Sales clerks, retail trade	1 280	1 162	–	–	–	–	118	–
Salesmen, retail trade	578	548	5	–	5	–	25	–
Salesmen of services and construction	262	223	17	9	4	4	22	–
Other sales workers	622	545	24	10	9	5	47	6
Clerical and kindred workers	5 046	2 789	2 215	851	1 220	144	42	–
Bank tellers and cashiers	203	176	27	–	14	13	–	–
Bookkeepers and billing clerks	403	311	89	–	76	13	3	–
Mail handlers and postal clerks	814	33	781	713	63	5	–	–
Other clerical and kindred workers	3 626	2 269	1 318	138	1 067	113	39	–
Craftsmen and kindred workers	11 421	8 894	1 481	137	869	475	1 029	17
Apparel craftsmen and upholsterers	46	24	5	–	5	–	17	–
Bakers	84	70	–	–	–	–	14	–
Cabinetmakers	93	56	5	5	–	–	26	6
Construction craftsmen	3 284	2 277	468	52	256	160	539	–
Carpenters	1 233	820	159	26	66	67	254	–
Excavating, grading, and road machine operators	236	131	80	–	7	73	25	–
Electricians	521	387	88	15	62	11	46	–
Masons and tile setters	200	153	20	–	20	–	27	–
Painters, construction and maintenance, and paperhangers	333	186	60	5	51	4	87	–
Plasterers and cement finishers	78	69	5	–	5	–	4	–
Plumbers and pipe fitters	509	383	56	6	45	5	70	–
Other construction craftsmen	174	148	–	–	–	–	26	–
Foremen, n.e.c.	1 450	1 197	246	32	147	67	7	–
Manufacturing	628	614	14	8	6	–	–	–
Nonmanufacturing industries	822	583	232	24	141	67	7	–
Linemen and servicemen, telephone and power	603	589	14	–	–	14	–	–
Locomotive engineers and firemen	40	40	–	–	–	–	–	–
Mechanics and repairmen	2 812	2 264	303	21	143	139	239	6
Air conditioning, heating, and refrigeration	113	72	14	5	5	4	27	–
Aircraft	48	21	27	–	27	–	–	–
Automobile, including body	1 224	1 024	82	5	12	65	118	–
Radio and television	228	162	26	6	15	5	40	–
Other mechanics and repairmen	1 199	985	154	5	84	65	54	6
Metal craftsmen, except mechanics	932	788	130	9	103	18	14	–
Machinists and job and die setters	350	281	69	9	55	5	–	–
Sheetmetal workers and tinsmiths	282	260	11	–	11	–	11	–
Tool and die makers	185	148	37	–	37	–	–	–
Other metal craftsmen	115	99	13	–	–	13	3	–
Printing craftsmen	625	511	109	–	103	6	5	–
Compositors and typesetters	224	192	27	–	27	–	5	–
Pressmen and plate printers, printing	255	193	62	–	56	6	–	–
Stationary engineers and power station operators	188	90	93	9	49	35	5	–
Other craftsmen and kindred workers	1 264	988	108	9	63	36	163	5

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
MADISON SMSA—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**6 092**	**5 650**	**304**	**51**	**180**	**73**	**128**	**10**
Assemblers	514	509	5	5	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	195	190	5	–	5	–	–	–
Garage workers and gas station attendants	736	696	–	–	–	–	36	4
Laundry and drycleaning operatives, n.e.c	78	52	16	–	16	–	10	–
Meat cutters and butchers	868	835	7	–	2	5	26	–
Mine operatives, n.e.c	8	4	4	–	4	–	–	–
Packers and wrappers, except produce	255	255	–	–	–	–	–	–
Painters, manufactured articles	66	61	–	–	–	–	5	–
Precision machine operatives	259	250	5	–	5	–	4	–
Sawyers	33	23	–	–	–	–	10	–
Stationary firemen	112	51	61	21	35	5	–	–
Textile operatives	80	80	–	–	–	–	–	–
Welders and flamecutters	412	373	29	–	24	5	10	–
Other metalworking operatives	172	172	–	–	–	–	–	–
Other specified operatives	858	803	36	8	23	5	19	–
Miscellaneous and not specified operatives	1 446	1 296	136	17	66	53	8	6
Occupation:								
Machine operatives, miscellaneous specified	643	599	35	9	10	16	3	6
Machine operatives, not specified	237	203	34	4	4	26	–	–
Miscellaneous operatives	343	285	58	–	47	11	–	–
Not specified operatives	223	209	9	4	5	–	5	–
Industry:								
Manufacturing	1 008	982	15	5	5	5	5	6
Durable goods	519	514	–	–	–	–	5	–
Wood products, including furniture	23	23	–	–	–	–	–	–
Primary metal industries	112	112	–	–	–	–	–	–
Fabricated metal industries	26	26	–	–	–	–	–	–
Machinery, including electrical	245	245	–	–	–	–	–	–
Motor vehicles and equipment	29	29	–	–	–	–	–	–
Transportation equipment, except motor vehicles	4	4	–	–	–	–	–	–
Other durable goods	80	75	–	–	–	–	5	–
Nondurable goods	484	463	15	5	5	5	–	6
Food and kindred products	423	407	10	–	5	5	–	6
Apparel and other fabricated textile products	–	–	–	–	–	–	–	–
Paper and allied products	8	8	–	–	–	–	–	–
Chemicals and allied products	22	17	5	5	–	–	–	–
Other nondurable goods	31	31	–	–	–	–	–	–
Not specified manufacturing industries	5	5	–	–	–	–	–	–
Nonmanufacturing industries	438	314	121	12	61	48	3	–
Transportation, communications, and other public utilities	48	30	18	–	–	18	–	–
Wholesale and retail trade	151	138	13	8	–	5	–	–
All other industries	239	146	90	4	61	25	3	–
Transport equipment operatives	**3 239**	**2 802**	**314**	**46**	**111**	**157**	**117**	**6**
Bus drivers	209	177	28	–	–	28	4	–
Taxicab drivers and chauffeurs	204	183	21	16	5	–	–	–
Truck drivers and deliverymen	2 402	2 071	229	25	87	117	96	6
Other transport equipment operatives	424	371	36	5	19	12	17	–
Laborers, except farm	**3 310**	**2 729**	**528**	**44**	**208**	**276**	**47**	**6**
Construction laborers	678	544	134	–	17	117	–	–
Freight, stock, and material handlers	1 275	1 200	60	24	11	25	9	6
Other specified laborers	781	490	266	10	148	108	25	–
Miscellaneous and not specified laborers	576	495	68	10	32	26	13	–
Occupation:								
Miscellaneous laborers	87	64	16	–	–	16	7	–
Not specified laborers	489	431	52	10	32	10	6	–
Industry:								
Manufacturing	262	256	–	–	–	–	6	–
Durable goods	87	87	–	–	–	–	–	–
Wood products, including furniture	10	10	–	–	–	–	–	–
Metal industries	5	5	–	–	–	–	–	–
Machinery, including electrical	35	35	–	–	–	–	–	–
Transportation equipment	8	8	–	–	–	–	–	–
Other durable goods	29	29	–	–	–	–	–	–
Nondurable goods	175	169	–	–	–	–	6	–
Food and kindred products	115	115	–	–	–	–	–	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–
Nonmanufacturing industries	314	239	68	10	32	26	7	–
Railroads and railway express service	21	21	–	–	–	–	–	–
Transportation, except railroads	–	–	–	–	–	–	–	–
Communications, and utilities and sanitary services	40	6	27	–	5	22	7	–
Wholesale and retail trade	127	122	5	5	–	–	–	–
All other industries	126	90	36	5	27	4	–	–
Farmers and farm managers	**2 593**	**93**	**13**	**–**	**13**	**–**	**2 487**	**–**
Farm laborers and farm foremen	**1 091**	**738**	**48**	**–**	**43**	**5**	**–**	**305**
Paid farm laborers and farm foremen	786	738	48	–	43	5	–	–
Unpaid family workers	305	–	–	–	–	–	–	305
Service workers, except private household[1]	**7 566**	**4 047**	**3 149**	**169**	**1 716**	**1 264**	**358**	**12**
Cleaning service workers	2 384	1 300	1 046	78	596	372	33	5
Food service workers	2 489	1 847	489	11	465	13	153	–
Cooks, except private household	682	584	88	–	88	–	10	–
Busboys and dishwashers	677	537	140	–	136	4	–	–
Health service workers	453	110	343	52	228	63	–	–
Personal service workers	609	313	133	9	109	15	156	7
Protective service workers	1 081	113	959	19	188	752	9	–
Firemen, fire protection	205	–	205	–	–	205	–	–
Guards and watchmen	268	108	160	14	90	56	–	–
Policemen and detectives	529	5	515	5	94	416	9	–
Private household workers	**25**	**25**	**–**	**–**	**–**	**–**	**–**	**–**

[1]Includes allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
MADISON SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**51 687**	**30 070**	**19 564**	**1 489**	**12 981**	**5 094**	**1 376**	**677**
Professional, technical, and kindred workers	**11 263**	**3 519**	**7 448**	**349**	**4 211**	**2 888**	**281**	**15**
Accountants	475	244	216	14	190	12	15	–
Computer specialists	145	32	113	–	102	11	–	–
Librarians	233	22	204	–	82	122	7	–
Mathematical specialists	9	–	9	5	4	–	–	–
Life and physical scientists	152	34	113	5	108	–	5	–
Registered nurses, dietitians, and therapists	2 309	1 226	1 074	94	860	120	9	–
Dietitians	205	97	108	13	90	5	–	–
Registered nurses	1 924	1 076	839	76	667	96	9	–
Health technologists and technicians	723	338	385	32	337	16	–	–
Social scientists	80	6	74	–	53	21	–	–
Social and recreation workers	360	81	273	15	135	123	6	–
Teachers: College and university	1 286	138	1 148	20	1 061	67	–	–
Elementary and prekindergarten	2 006	377	1 629	19	76	1 534	–	–
Secondary	778	74	704	5	38	661	–	–
Other teachers	313	86	72	16	27	29	155	–
Engineering and science technicians	282	108	174	10	164	–	–	–
Technicians, except health, and engineering and science	59	12	47	–	42	5	–	–
Writers, artists, and entertainers	535	279	196	23	156	17	55	5
Actors and dancers	14	14	–	–	–	–	–	–
Authors, editors, and reporters	234	146	84	15	62	7	4	–
Other professional, technical, and kindred workers	1 518	462	1 017	91	776	150	29	10
Managers and administrators, except farm	**1 567**	**920**	**362**	**29**	**235**	**98**	**220**	**65**
Buyers, purchasing agents, and sales managers	172	132	29	11	18	–	5	6
Restaurant, cafeteria, and bar managers	99	23	23	–	10	13	37	16
School administrators	124	36	80	5	38	37	8	–
Other specified managers and administrators	416	226	149	13	98	38	35	6
Managers and administrators, n.e.c., salaried	584	503	81	–	71	10	–	–
Wholesale and retail trade	152	152	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	172	–	–	–	–	–	135	37
Wholesale and retail trade	77	–	–	–	–	–	68	9
Sales workers	**3 574**	**3 260**	**77**	**–**	**52**	**25**	**187**	**50**
Demonstrators, hucksters, and peddlers	201	160	–	–	–	–	41	–
Insurance, real estate agents, and brokers	166	140	–	–	–	–	26	–
Sales clerks, retail trade	2 550	2 393	32	–	16	16	91	34
Salesmen, retail trade	68	60	–	–	–	–	4	4
Other sales workers	589	507	45	–	36	9	25	12
Clerical and kindred workers	**20 121**	**11 817**	**8 005**	**940**	**5 835**	**1 230**	**130**	**169**
Bank tellers	315	299	16	4	12	–	–	–
Bookkeepers	1 953	1 658	203	18	123	62	40	52
Cashiers	1 226	1 150	70	–	61	9	–	6
Counter clerks, except food	279	264	15	–	15	–	–	–
Enumerators and interviewers	27	5	22	10	12	–	–	–
File clerks	616	336	280	15	241	24	–	–
Office machine operators	1 240	637	603	53	512	38	–	–
Bookkeeping and billing machine operators	189	166	23	5	14	4	–	–
Keypunch operators	823	358	465	48	390	27	–	–
Payroll and timekeeping clerks	75	46	29	–	25	4	–	–
Receptionists	672	432	221	29	155	37	5	14
Secretaries	5 034	2 832	2 138	175	1 562	401	27	37
Stenographers	441	108	333	46	234	53	–	–
Telephone operators	529	479	46	28	9	9	4	–
Typists	2 236	740	1 461	156	1 167	138	35	–
Other clerical and kindred workers	5 478	2 831	2 568	406	1 707	455	19	60
Craftsmen and kindred workers	**537**	**321**	**162**	**4**	**129**	**29**	**51**	**3**
Foremen, n.e.c.	135	71	64	4	54	6	–	–
Operatives, except transport	**2 663**	**2 341**	**226**	**39**	**172**	**15**	**69**	**27**
Assemblers	313	302	11	–	11	–	–	–
Bottling and canning operatives	56	56	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	124	119	5	5	–	–	–	–
Dressmakers and seamstresses, except factory	142	94	4	–	4	–	44	–
Laundry and drycleaning operatives, including ironers	377	338	25	10	15	–	10	4
Graders and sorters, manufacturing	10	10	–	–	–	–	–	–
Packers and wrappers, except produce	484	470	9	4	–	5	–	5
Sewers and stitchers	97	70	11	–	11	–	11	5
Textile operatives	10	10	–	–	–	–	–	–
Other specified operatives	354	298	45	–	40	5	4	7
Miscellaneous and not specified operatives	696	574	116	20	91	5	–	6
Manufacturing	430	419	5	–	5	–	–	6
Durable goods	247	241	–	–	–	–	–	6
Machinery, including electrical	62	62	–	–	–	–	–	–
Other durable goods	185	179	–	–	–	–	–	6
Nondurable goods, including not specified manufacturing	183	178	5	–	5	–	–	–
Food and kindred products	76	76	–	–	–	–	–	–
Apparel and other fabricated textile products	–	–	–	–	–	–	–	–
Nonmanufacturing industries	266	155	111	20	86	5	–	–
Transport equipment operatives	**135**	**103**	**32**	**5**	**–**	**27**	**–**	**–**
Laborers, except farm	**321**	**249**	**41**	**6**	**35**	**–**	**14**	**17**
Farmers and farm managers	**223**	**11**	**–**	**–**	**–**	**–**	**206**	**6**
Farm laborers and farm foremen	**351**	**92**	**–**	**–**	**–**	**–**	**–**	**259**
Paid farm laborers and farm foremen	92	92	–	–	–	–	–	–
Unpaid family workers	259	–	–	–	–	–	–	259
Service workers, except private household[1]	**9 735**	**6 260**	**3 211**	**117**	**2 312**	**782**	**198**	**66**
Cleaning service workers	1 237	844	377	7	289	81	–	16
Chambermaids and maids	424	341	72	–	67	5	–	11
Food service workers	4 017	2 971	937	27	691	219	64	45
Cooks, except private household	808	558	222	–	119	103	10	18
Waiters and food counter workers	2 292	1 966	310	7	260	43	11	5
Health service workers	2 667	1 400	1 257	69	997	191	5	5
Nursing aides, orderlies, and attendants	1 809	832	977	35	783	159	–	–
Practical nurses	338	183	150	5	134	11	5	–
Personal service workers	1 032	653	274	9	183	82	105	–
Hairdressers and cosmetologists	446	391	–	–	–	–	55	–
Private household workers	**1 197**	**1 177**	**–**	**–**	**–**	**–**	**20**	**–**
Private household workers, living in	81	81	–	–	–	–	–	–
Private household workers, living out	1 116	1 096	–	–	–	–	20	–

[1]Includes protective service workers and allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
MILWAUKEE SMSA								
Total								
Male, 16 years old and over	350 502	290 891	38 088	7 909	4 287	25 892	21 113	410
Professional, technical, and kindred workers	53 222	36 677	11 549	1 218	2 354	7 977	4 996	–
Accountants	4 739	3 864	492	271	105	116	383	–
Architects	334	208	29	4	5	20	97	–
Computer specialists	1 538	1 473	65	–	30	35	–	–
Engineers	11 313	10 295	782	110	208	464	236	–
Aeronautical and astronautical	10	6	4	4	–	–	–	–
Civil	1 094	532	526	37	153	336	36	–
Electrical and electronic	2 716	2 650	55	7	10	38	11	–
Mechanical	2 080	2 034	22	5	5	12	24	–
Other engineers	5 413	5 073	175	57	40	78	165	–
Lawyers and judges	2 085	652	254	86	63	105	1 179	–
Life and physical scientists	955	698	252	47	15	190	5	–
Chemists	615	566	44	12	–	32	5	–
Physicians, dentists, and related practitioners	3 624	1 248	413	168	4	241	1 963	–
Dentists	734	63	22	10	4	8	649	–
Pharmacists	657	552	33	8	–	25	72	–
Physicians, medical and osteopathic	1 935	583	352	144	–	208	1 000	–
Other related practitioners	298	50	6	6	–	–	242	–
Health technologists and technicians	526	350	167	49	12	106	9	–
Religious workers	1 511	1 356	14	10	4	–	141	–
Social scientists	731	534	177	28	31	118	20	–
Social and recreation workers	1 084	283	801	56	136	609	–	–
Teachers	8 419	2 255	6 052	69	1 099	4 884	112	–
College and university	2 159	914	1 245	13	934	298	–	–
Elementary and prekindergarten	1 840	453	1 387	12	42	1 333	–	–
Secondary	3 833	591	3 242	6	79	3 157	–	–
Engineering and science technicians	6 121	5 648	402	61	115	226	71	–
Draftsmen and surveyors	3 214	2 931	221	20	40	161	62	–
Electrical and electronic engineering technicians	1 163	1 107	47	23	4	20	9	–
Technicians, except health, and engineering and science	500	348	152	74	14	64	–	–
Airplane pilots	108	108	–	–	–	–	–	–
Writers, artists, and entertainers	3 995	3 325	141	10	69	62	529	–
Other professional, technical, and kindred workers	5 747	4 140	1 356	175	444	737	251	–
Managers and administrators, except farm	35 502	28 175	3 087	549	505	2 033	4 164	76
Buyers, purchasing agents, and sales managers	5 563	5 302	106	19	53	34	155	–
School administrators	994	253	736	–	61	675	5	–
Specified managers and administrators, public administration	1 625	–	1 625	449	243	933	–	–
Other specified managers and administrators	5 954	4 829	215	28	60	127	904	6
Managers and administrators, n.e.c., salaried	18 196	17 791	405	53	88	264	–	–
Manufacturing	6 600	6 588	12	12	–	–	–	–
Wholesale and retail trade	5 259	5 237	22	11	–	11	–	–
Transportation, communications and other public utilities	1 479	1 430	49	–	6	43	–	–
All other industries	4 858	4 536	322	30	82	210	–	–
Managers and administrators, n.e.c., self-employed	3 170	–	–	–	–	–	3 100	70
Construction	385	–	–	–	–	–	376	9
Manufacturing	300	–	–	–	–	–	297	3
Wholesale and retail trade	1 710	–	–	–	–	–	1 692	18
All other industries	775	–	–	–	–	–	735	40
Sales workers	24 518	21 843	110	34	17	59	2 549	16
Insurance agents, brokers, and underwriters	3 148	2 617	15	5	5	5	516	–
Real estate agents and brokers	1 194	783	8	–	–	8	397	6
Sales representatives, manufacturing industries	3 882	3 728	–	–	–	–	149	5
Sales representatives, wholesale trade	5 236	4 857	4	–	–	4	375	–
Sales clerks, retail trade	4 522	4 048	–	–	–	–	474	–
Salesmen, retail trade	2 287	2 065	4	–	–	4	213	5
Salesmen of services and construction	1 403	1 207	22	9	8	5	174	–
Other sales workers	2 846	2 538	57	20	4	33	251	–
Clerical and kindred workers	27 000	20 936	5 776	4 217	378	1 181	244	44
Bank tellers and cashiers	504	480	16	6	–	10	–	8
Bookkeepers and billing clerks	1 491	1 274	173	55	32	86	44	–
Mail handlers and postal clerks	3 894	414	3 480	3 452	10	18	–	–
Other clerical and kindred workers	21 111	18 768	2 107	704	336	1 067	200	36
Craftsmen and kindred workers	75 216	68 021	3 605	486	277	2 842	3 565	25
Apparel craftsmen and upholsterers	433	322	10	–	–	10	101	–
Bakers	627	538	28	–	–	28	61	–
Cabinetmakers	402	319	11	–	–	11	72	–
Construction craftsmen	15 147	12 551	1 074	62	43	969	1 512	10
Carpenters	3 490	2 738	198	17	11	170	549	5
Excavating, grading, and road machine operators	1 109	728	294	–	–	294	82	5
Electricians	3 310	3 032	211	10	7	194	67	–
Masons and tile setters	1 463	1 277	33	–	4	29	153	–
Painters, construction and maintenance, and paperhangers	1 865	1 369	173	16	21	136	323	–
Plasterers and cement finishers	457	342	31	–	–	31	84	–
Plumbers and pipe fitters	2 420	2 140	115	14	–	101	165	–
Other construction craftsmen	1 033	925	19	5	–	14	89	–
Foremen, n.e.c.	12 622	12 166	393	52	31	310	63	–
Manufacturing	8 772	8 742	16	5	–	11	14	–
Nonmanufacturing industries	3 850	3 424	377	47	31	299	49	–
Linemen and servicemen, telephone and power	1 838	1 806	32	–	4	28	–	–
Locomotive engineers and firemen	433	433	–	–	–	–	–	–
Mechanics and repairmen	14 020	12 258	956	261	96	599	801	5
Air conditioning, heating, and refrigeration	511	424	42	–	–	42	45	–
Aircraft	180	111	69	40	29	–	–	–
Automobile, including body	5 120	4 338	321	76	33	212	461	–
Radio and television	666	447	88	58	15	15	126	5
Other mechanics and repairmen	7 543	6 938	436	87	19	330	169	–
Metal craftsmen, except mechanics	15 456	15 184	142	20	32	90	120	10
Machinists and job and die setters	7 378	7 278	75	6	19	50	20	5
Sheetmetal workers and tinsmiths	1 226	1 189	31	5	–	26	6	–
Tool and die makers	3 226	3 180	5	–	5	–	36	5
Other metal craftsmen	3 626	3 537	31	9	8	14	58	–
Printing craftsmen	3 475	3 380	40	6	10	24	55	–
Compositors and typesetters	969	939	14	–	–	14	16	–
Pressmen and plate printers, printing	1 565	1 508	22	6	10	6	35	–
Stationary engineers and power station operators	1 374	1 052	317	5	4	308	5	–
Other craftsmen and kindred workers	9 389	8 012	602	80	57	465	775	–

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas of 250,000 or More

MILWAUKEE SMSA—Continued

Total—Continued

Male, 16 years old and over—Continued

	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
Operatives, except transport	**63 364**	**61 494**	**1 182**	**254**	**142**	**786**	**677**	**11**
Assemblers	7 150	7 088	53	18	5	30	9	–
Checkers, examiners, and inspectors; manufacturing	4 674	4 632	37	16	4	17	5	–
Garage workers and gas station attendants	2 423	2 231	59	13	3	43	128	5
Laundry and drycleaning operatives, n.e.c	400	353	15	–	–	15	32	–
Meat cutters and butchers	1 917	1 782	14	4	–	10	121	–
Mine operatives, n.e.c	75	70	5	–	–	5	–	–
Packers and wrappers, except produce	1 426	1 410	4	–	–	4	12	–
Painters, manufactured articles	954	954	–	–	–	–	–	–
Precision machine operatives	7 145	7 066	43	6	21	16	36	–
Sawyers	292	289	3	–	–	3	–	–
Stationary firemen	996	757	235	5	18	212	4	–
Textile operatives	148	132	16	–	16	–	–	–
Welders and flamecutters	6 382	6 270	88	30	10	48	24	–
Other metalworking operatives	4 141	4 073	39	12	5	22	29	–
Other specified operatives	8 698	8 357	199	78	25	96	142	–
Miscellaneous and not specified operatives	16 543	16 030	372	72	35	265	135	6
Occupation:								
Machine operatives, miscellaneous specified	5 752	5 619	84	16	9	59	49	–
Machine operatives, not specified	4 683	4 529	134	32	5	97	20	–
Miscellaneous operatives	3 651	3 468	131	20	14	97	46	6
Not specified operatives	2 457	2 414	23	4	7	12	20	–
Industry:								
Manufacturing	14 487	14 268	137	44	9	84	82	–
Durable goods	9 950	9 805	102	38	9	55	43	–
Wood products, including furniture	136	136	–	–	–	–	–	–
Primary metal industries	2 035	1 998	32	15	4	13	5	–
Fabricated metal industries	1 339	1 322	13	–	–	13	4	–
Machinery, including electrical	4 827	4 781	40	19	–	21	6	–
Motor vehicles and equipment	680	674	6	4	–	2	–	–
Transportation equipment, except motor vehicles	182	182	–	–	–	–	–	–
Other durable goods	751	712	11	–	5	6	28	–
Nondurable goods	4 438	4 373	31	6	–	25	34	–
Food and kindred products	1 900	1 866	11	–	–	11	23	–
Apparel and other fabricated textile products	10	10	–	–	–	–	–	–
Paper and allied products	637	637	–	–	–	–	–	–
Chemicals and allied products	319	314	5	–	–	5	–	–
Other nondurable goods	1 572	1 546	15	6	–	9	11	–
Not specified manufacturing industries	99	90	4	–	–	4	5	–
Nonmanufacturing industries	2 056	1 762	235	28	26	181	53	6
Transportation, communications, and other public utilities	462	378	84	5	–	79	–	–
Wholesale and retail trade	952	918	5	5	–	–	29	–
All other industries	642	466	146	18	26	102	24	6
Transport equipment operatives	**19 204**	**17 431**	**1 229**	**185**	**41**	**1 003**	**540**	**4**
Bus drivers	1 468	1 414	49	–	–	49	5	–
Taxicab drivers and chauffeurs	686	586	49	18	–	31	51	–
Truck drivers and deliverymen	12 979	11 562	996	133	32	831	417	4
Other transport equipment operatives	4 071	3 869	135	34	9	92	67	–
Laborers, except farm	**20 417**	**17 198**	**2 915**	**398**	**115**	**2 402**	**280**	**24**
Construction laborers	2 369	1 917	446	3	54	389	6	–
Freight, stock, and material handlers	9 085	7 947	1 053	263	17	773	80	5
Other specified laborers	4 106	3 169	800	90	14	696	125	12
Miscellaneous and not specified laborers	4 857	4 165	616	42	30	544	69	7
Occupation:								
Miscellaneous laborers	1 600	1 363	193	24	–	169	44	–
Not specified laborers	3 257	2 802	423	18	30	375	25	7
Industry:								
Manufacturing	3 155	3 126	14	6	–	8	15	–
Durable goods	2 445	2 418	14	6	–	8	13	–
Wood products, including furniture	29	29	–	–	–	–	–	–
Metal industries	969	963	6	6	–	–	–	–
Machinery, including electrical	1 008	994	5	–	–	5	9	–
Transportation equipment	294	291	3	–	–	3	–	–
Other durable goods	145	141	–	–	–	–	4	–
Nondurable goods	710	708	–	–	–	–	2	–
Food and kindred products	414	414	–	–	–	–	–	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–
Nonmanufacturing industries	1 702	1 039	602	36	30	536	54	7
Railroads and railway express service	143	123	20	20	–	–	–	–
Transportation, except railroads	88	70	14	5	4	5	4	–
Communications, and utilities and sanitary services	326	72	254	–	–	254	–	–
Wholesale and retail trade	545	517	–	–	–	–	21	7
All other industries	600	257	314	11	26	277	29	–
Farmers and farm managers	**2 453**	**146**	**5**	**–**	**–**	**5**	**2 302**	**–**
Farm laborers and farm foremen	**1 275**	**1 027**	**79**	**–**	**11**	**68**	**4**	**165**
Paid farm laborers and farm foremen	1 110	1 027	79	–	11	68	4	–
Unpaid family workers	165	–	–	–	–	–	–	165
Service workers, except private household[1]	**28 215**	**17 830**	**8 551**	**568**	**447**	**7 536**	**1 792**	**42**
Cleaning service workers	8 738	6 517	2 059	173	211	1 675	147	15
Food service workers	7 138	6 038	188	31	31	126	885	27
Cooks, except private household	2 104	1 960	78	19	14	45	61	5
Busboys and dishwashers	1 830	1 781	43	8	4	31	6	–
Health service workers	841	507	330	57	13	260	4	–
Personal service workers	2 281	1 330	325	42	30	253	626	–
Protective service workers	6 875	1 484	5 386	196	116	5 074	5	–
Firemen, fire protection	1 486	55	1 431	27	9	1 395	–	–
Guards and watchmen	1 619	1 321	298	58	39	201	–	–
Policemen and detectives	3 331	108	3 218	90	68	3 060	5	–
Private household workers	**116**	**113**	**–**	**–**	**–**	**–**	**–**	**3**

[1]Includes allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
MILWAUKEE SMSA—Continued								
Total—Continued								
Female, 16 years old and over	222 988	183 989	32 007	4 473	3 297	24 237	5 315	1 677
Professional, technical, and kindred workers	32 991	18 030	14 059	710	1 215	12 134	841	61
Accountants	1 539	1 381	118	41	37	40	34	6
Computer specialists	290	284	6	–	–	6	–	–
Librarians	608	175	427	5	140	282	–	6
Mathematical specialists	66	61	5	–	5	–	–	–
Life and physical scientists	151	131	20	10	4	6	–	–
Registered nurses, dietitians, and therapists	6 914	5 240	1 555	310	24	1 221	119	–
Dietitians	375	268	102	40	–	62	5	–
Registered nurses	5 807	4 502	1 202	225	20	957	103	–
Health technologists and technicians	2 073	1 828	241	33	14	194	4	–
Social scientists	119	70	45	–	9	36	4	–
Social and recreation workers	1 206	400	791	63	66	662	10	5
Teachers: College and university	1 165	483	682	–	438	244	–	–
Elementary and prekindergarten	8 920	2 661	6 259	71	143	6 045	–	–
Secondary	3 309	757	2 552	4	78	2 470	–	–
Other teachers	950	446	237	20	27	190	267	–
Engineering and science technicians	705	646	42	3	17	22	7	10
Technicians, except health, and engineering and science	110	61	49	12	–	37	–	–
Writers, artists, and entertainers	1 606	1 300	113	5	34	74	164	29
Actors and dancers	60	51	5	–	–	5	4	–
Authors, editors, and reporters	336	303	11	–	6	5	22	–
Other professional, technical, and kindred workers	3 260	2 106	917	133	179	605	232	5
Managers and administrators, except farm	5 948	4 440	633	93	103	437	783	92
Buyers, purchasing agents, and sales managers	943	886	21	4	–	17	26	10
Restaurant, cafeteria, and bar managers	627	345	37	–	–	37	232	13
School administrators	312	155	146	6	28	112	11	–
Other specified managers and administrators	1 353	972	321	56	50	215	49	11
Managers and administrators, n.e.c., salaried	2 190	2 082	108	27	25	56	–	–
Wholesale and retail trade	776	770	6	–	–	6	–	–
Managers and administrators, n.e.c., self-employed	523	–	–	–	–	–	465	58
Wholesale and retail trade	311	–	–	–	–	–	294	17
Sales workers	20 021	18 969	129	45	23	61	671	252
Demonstrators, hucksters, and peddlers	1 067	934	13	3	–	10	120	–
Insurance, real estate agents, and brokers	761	673	5	–	–	5	75	8
Sales clerks, retail trade	14 817	14 313	50	20	5	25	284	170
Salesmen, retail trade	491	453	–	–	–	–	19	19
Other sales workers	2 885	2 596	61	22	18	21	173	55
Clerical and kindred workers	81 240	69 922	10 153	2 620	1 487	6 046	618	547
Bank tellers	1 305	1 280	25	10	5	10	–	–
Bookkeepers	7 846	7 132	316	29	40	247	231	167
Cashiers	5 872	5 676	133	11	46	76	22	41
Counter clerks, except food	990	953	9	–	5	4	19	9
Enumerators and interviewers	203	96	75	53	22	–	32	–
File clerks	2 102	1 926	176	59	18	99	–	–
Office machine operators	4 161	3 994	157	25	44	88	4	6
Bookkeeping and billing machine operators	568	558	10	4	–	6	–	–
Keypunch operators	2 543	2 441	96	21	22	53	–	6
Payroll and timekeeping clerks	1 134	1 078	56	11	–	45	–	–
Receptionists	2 401	2 207	169	33	41	95	10	15
Secretaries	18 513	15 853	2 436	364	428	1 644	79	145
Stenographers	1 551	1 117	387	71	39	277	36	11
Telephone operators	2 199	2 066	133	23	23	87	–	–
Typists	7 788	6 279	1 437	326	252	859	39	33
Other clerical and kindred workers	25 175	20 265	4 644	1 605	524	2 515	146	120
Craftsmen and kindred workers	4 163	3 875	91	13	9	69	159	38
Foremen, n.e.c.	952	912	31	4	5	22	9	–
Operatives, except transport	30 548	29 514	566	130	62	374	412	56
Assemblers	6 464	6 350	103	34	16	53	6	5
Bottling and canning operatives	40	40	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	2 913	2 888	25	9	6	10	–	–
Dressmakers and seamstresses, except factory	628	425	29	–	–	29	168	6
Laundry and drycleaning operatives, including ironers	1 620	1 455	109	14	9	86	45	11
Graders and sorters, manufacturing	105	96	–	–	–	–	9	–
Packers and wrappers, except produce	2 641	2 621	14	5	4	5	6	–
Sewers and stitchers	2 204	2 098	54	16	–	38	47	5
Textile operatives	366	352	6	–	–	6	8	–
Other specified operatives	6 532	6 268	129	26	19	84	115	20
Miscellaneous and not specified operatives	7 035	6 921	97	26	8	63	8	9
Manufacturing	6 345	6 278	57	21	–	36	5	5
Durable goods	3 826	3 759	57	21	–	36	5	5
Machinery, including electrical	2 242	2 230	12	–	–	12	–	–
Other durable goods	1 584	1 529	45	21	–	24	5	5
Nondurable goods, including not specified manufacturing	2 519	2 519	–	–	–	–	–	–
Food and kindred products	299	299	–	–	–	–	–	–
Apparel and other fabricated textile products	121	121	–	–	–	–	–	–
Nonmanufacturing industries	690	643	40	5	8	27	3	4
Transport equipment operatives	738	685	53	19	–	34	–	–
Laborers, except farm	2 771	2 519	151	72	10	69	79	22
Farmers and farm managers	331	21	–	–	–	–	305	5
Farm laborers and farm foremen	505	234	–	–	–	–	12	259
Paid farm laborers and farm foremen	246	234	–	–	–	–	12	–
Unpaid family workers	259	–	–	–	–	–	–	259
Service workers, except private household[1]	39 874	31 958	6 172	771	388	5 013	1 408	336
Cleaning service workers	5 778	4 548	1 129	145	83	901	52	49
Chambermaids and maids	1 287	1 106	171	26	16	129	5	5
Food service workers	15 380	12 853	1 698	170	122	1 406	614	215
Cooks, except private household	3 214	2 374	677	51	57	569	128	35
Waiters and food counter workers	7 810	7 540	151	31	21	99	66	53
Health service workers	9 854	8 149	1 645	291	107	1 247	56	4
Nursing aides, orderlies, and attendants	6 407	5 206	1 176	183	82	911	21	4
Practical nurses	1 564	1 279	250	55	10	185	35	–
Personal service workers	4 566	3 376	613	80	37	496	558	19
Hairdressers and cosmetologists	2 762	2 290	8	–	–	8	460	4
Private household workers	3 858	3 822	–	–	–	–	27	9
Private household workers, living in	384	384	–	–	–	–	–	–
Private household workers, living out	3 474	3 438	–	–	–	–	27	9

[1]Includes protective service workers and allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
MILWAUKEE SMSA—Continued								
Negro								
Male, 16 years old and over	**19 176**	**16 180**	**2 440**	**750**	**285**	**1 405**	**545**	**11**
Professional, technical, and kindred workers	**1 058**	**500**	**519**	**106**	**110**	**303**	**39**	**–**
Accountants	39	23	16	5	–	11	–	–
Architects	–	–	–	–	–	–	–	–
Computer specialists	13	13	–	–	–	–	–	–
Engineers	58	46	12	6	6	–	–	–
Aeronautical and astronautical	–	–	–	–	–	–	–	–
Civil	11	5	6	–	6	–	–	–
Electrical and electronic	35	35	–	–	–	–	–	–
Mechanical	–	–	–	–	–	–	–	–
Other engineers	12	6	6	6	–	–	–	–
Lawyers and judges	7	–	–	–	–	–	7	–
Life and physical scientists	28	20	8	–	–	8	–	–
Chemists	20	20	–	–	–	–	–	–
Physicians, dentists, and related practitioners	46	12	18	6	–	12	16	–
Dentists	–	–	–	–	–	–	–	–
Pharmacists	5	5	–	–	–	–	–	–
Physicians, medical and osteopathic	41	7	18	6	–	12	16	–
Other related practitioners	–	–	–	–	–	–	–	–
Health technologists and technicians	37	14	23	8	–	15	–	–
Religious workers	31	26	–	–	–	–	5	–
Social scientists	13	13	–	–	–	–	–	–
Social and recreation workers	129	43	86	22	19	45	–	–
Teachers	239	36	203	12	22	169	–	–
College and university	32	5	27	–	15	12	–	–
Elementary and prekindergarten	91	–	91	7	7	77	–	–
Secondary	93	23	70	–	–	70	–	–
Engineering and science technicians	89	72	17	4	9	4	–	–
Draftsmen and surveyors	18	14	4	–	–	4	–	–
Electrical and electronic engineering technicians	5	5	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	–
Airplane pilots	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	67	61	6	–	6	–	–	–
Other professional, technical, and kindred workers	262	121	130	43	48	39	11	–
Managers and administrators, except farm	**540**	**322**	**101**	**20**	**19**	**62**	**112**	**5**
Buyers, purchasing agents, and sales managers	15	15	–	–	–	–	–	–
School administrators	34	–	34	–	–	34	–	–
Specified managers and administrators, public administration	47	–	47	15	14	18	–	–
Other specified managers and administrators	162	104	5	–	–	5	53	–
Managers and administrators, n.e.c., salaried	218	203	15	5	5	5	–	–
Manufacturing	41	41	–	–	–	–	–	–
Wholesale and retail trade	75	75	–	–	–	–	–	–
Transportation, communications and other public utilities	16	16	–	–	–	–	–	–
All other industries	86	71	15	5	5	5	–	–
Managers and administrators, n.e.c., self-employed	64	–	–	–	–	–	59	5
Construction	7	–	–	–	–	–	7	–
Manufacturing	–	–	–	–	–	–	–	–
Wholesale and retail trade	37	–	–	–	–	–	32	5
All other industries	20	–	–	–	–	–	20	–
Sales workers	**372**	**342**	**6**	**6**	**–**	**–**	**18**	**6**
Insurance agents, brokers, and underwriters	52	52	–	–	–	–	–	–
Real estate agents and brokers	30	15	–	–	–	–	9	6
Sales representatives, manufacturing industries	42	42	–	–	–	–	–	–
Sales representatives, wholesale trade	6	6	–	–	–	–	–	–
Sales clerks, retail trade	107	98	–	–	–	–	9	–
Salesmen, retail trade	23	23	–	–	–	–	–	–
Salesmen of services and construction	13	13	–	–	–	–	–	–
Other sales workers	99	93	6	6	–	–	–	–
Clerical and kindred workers	**938**	**648**	**282**	**211**	**15**	**56**	**8**	**–**
Bank tellers and cashiers	17	17	–	–	–	–	–	–
Bookkeepers and billing clerks	20	9	11	7	–	4	–	–
Mail handlers and postal clerks	175	23	152	152	–	–	–	–
Other clerical and kindred workers	726	599	119	52	15	52	8	–
Craftsmen and kindred workers	**3 257**	**2 982**	**190**	**30**	**36**	**124**	**85**	**–**
Apparel craftsmen and upholsterers	18	12	–	–	–	–	6	–
Bakers	26	26	–	–	–	–	–	–
Cabinetmakers	–	–	–	–	–	–	–	–
Construction craftsmen	391	350	14	–	–	14	27	–
Carpenters	38	30	4	–	–	4	4	–
Excavating, grading, and road machine operators	85	71	10	–	–	10	4	–
Electricians	54	54	–	–	–	–	–	–
Masons and tile setters	36	36	–	–	–	–	–	–
Painters, construction and maintenance, and paperhangers	112	93	–	–	–	–	19	–
Plasterers and cement finishers	38	38	–	–	–	–	–	–
Plumbers and pipe fitters	28	28	–	–	–	–	–	–
Other construction craftsmen	–	–	–	–	–	–	–	–
Foremen, n.e.c.	197	171	26	–	–	26	–	–
Manufacturing	144	138	6	–	–	6	–	–
Nonmanufacturing industries	53	33	20	–	–	20	–	–
Linemen and servicemen, telephone and power	59	48	11	–	–	11	–	–
Locomotive engineers and firemen	15	15	–	–	–	–	–	–
Mechanics and repairmen	477	410	50	9	12	29	17	–
Air conditioning, heating, and refrigeration	7	7	–	–	–	–	–	–
Aircraft	–	–	–	–	–	–	–	–
Automobile, including body	235	205	13	–	7	6	17	–
Radio and television	15	10	5	–	5	–	–	–
Other mechanics and repairmen	220	188	32	9	–	23	–	–
Metal craftsmen, except mechanics	823	798	25	4	8	13	–	–
Machinists and job and die setters	365	360	5	–	–	5	–	–
Sheetmetal workers and tinsmiths	18	18	–	–	–	–	–	–
Tool and die makers	48	48	–	–	–	–	–	–
Other metal craftsmen	392	372	20	4	8	8	–	–
Printing craftsmen	73	66	–	–	–	–	7	–
Compositors and typesetters	27	27	–	–	–	–	–	–
Pressmen and plate printers, printing	46	39	–	–	–	–	7	–
Stationary engineers and power station operators	59	44	15	–	–	15	–	–
Other craftsmen and kindred workers	1 119	1 042	49	17	16	16	28	–

Table 173. **Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
MILWAUKEE SMSA—Continued								
Negro—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**6 896**	**6 669**	**211**	**67**	**35**	**109**	**16**	-
Assemblers	424	418	6	6	-	-	-	-
Checkers, examiners, and inspectors; manufacturing	172	172	-	-	-	-	-	-
Garage workers and gas station attendants	83	80	3	-	3	-	-	-
Laundry and drycleaning operatives, n.e.c	50	46	-	-	-	-	4	-
Meat cutters and butchers	225	225	-	-	-	-	-	-
Mine operatives, n.e.c.	10	10	-	-	-	-	-	-
Packers and wrappers, except produce	104	104	-	-	-	-	-	-
Painters, manufactured articles	68	68	-	-	-	-	-	-
Precision machine operatives	563	554	9	6	3	-	-	-
Sawyers	17	17	-	-	-	-	-	-
Stationary firemen	54	36	18	-	4	14	-	-
Textile operatives	35	30	5	-	5	-	-	-
Welders and flamecutters	976	948	28	-	6	22	-	-
Other metalworking operatives	593	574	19	5	5	9	-	-
Other specified operatives	1 613	1 565	36	13	5	18	12	-
Miscellaneous and not specified operatives	1 909	1 822	87	37	4	46	-	-
Occupation:								
Machine operatives, miscellaneous specified	704	686	18	11	4	3	-	-
Machine operatives, not specified	538	487	51	26	-	25	-	-
Miscellaneous operatives	481	470	11	-	-	11	-	-
Not specified operatives	186	179	7	-	-	7	-	-
Industry:								
Manufacturing	1 672	1 603	69	30	4	35	-	-
Durable goods	1 159	1 093	66	30	4	32	-	-
Wood products, including furniture	15	15	-	-	-	-	-	-
Primary metal industries	378	346	32	15	4	13	-	-
Fabricated metal industries	104	104	-	-	-	-	-	-
Machinery, including electrical	379	347	32	15	-	17	-	-
Motor vehicles and equipment	189	187	2	-	-	2	-	-
Transportation equipment, except motor vehicles	15	15	-	-	-	-	-	-
Other durable goods	79	79	-	-	-	-	-	-
Nondurable goods	492	489	3	-	-	3	-	-
Food and kindred products	97	97	-	-	-	-	-	-
Apparel and other fabricated textile products	6	6	-	-	-	-	-	-
Paper and allied products	58	58	-	-	-	-	-	-
Chemicals and allied products	6	6	-	-	-	-	-	-
Other nondurable goods	325	322	3	-	-	3	-	-
Not specified manufacturing industries	21	21	-	-	-	-	-	-
Nonmanufacturing industries	237	219	18	7	-	11	-	-
Transportation, communications, and other public utilities	19	19	-	-	-	-	-	-
Wholesale and retail trade	176	176	-	-	-	-	-	-
All other industries	42	24	18	7	-	11	-	-
Transport equipment operatives	**1 170**	**1 028**	**106**	**33**	**3**	**70**	**36**	-
Bus drivers	68	59	9	-	-	9	-	-
Taxicab drivers and chauffeurs	82	82	-	-	-	-	-	-
Truck drivers and deliverymen	557	453	78	33	3	42	26	-
Other transport equipment operatives	463	434	19	-	-	19	10	-
Laborers, except farm	**2 803**	**2 191**	**590**	**152**	**24**	**414**	**22**	-
Construction laborers	277	218	59	3	17	39	-	-
Freight, stock, and material handlers	692	475	200	69	-	131	17	-
Other specified laborers	937	704	233	74	-	159	-	-
Miscellaneous and not specified laborers	897	794	98	6	7	85	5	-
Occupation:								
Miscellaneous laborers	427	390	32	-	-	32	5	-
Not specified laborers	470	404	66	6	7	53	-	-
Industry:								
Manufacturing	677	668	9	6	-	3	-	-
Durable goods	599	590	9	6	-	3	-	-
Wood products, including furniture	-	-	-	-	-	-	-	-
Metal industries	286	280	6	6	-	-	-	-
Machinery, including electrical	190	190	-	-	-	-	-	-
Transportation equipment	111	108	3	-	-	3	-	-
Other durable goods	12	12	-	-	-	-	-	-
Nondurable goods	78	78	-	-	-	-	-	-
Food and kindred products	34	34	-	-	-	-	-	-
Not specified manufacturing industries	-	-	-	-	-	-	-	-
Nonmanufacturing industries	220	126	89	-	7	82	5	-
Railroads and railway express service	30	30	-	-	-	-	-	-
Transportation, except railroads	6	6	-	-	-	-	-	-
Communications, and utilities and sanitary services	53	10	43	-	-	43	-	-
Wholesale and retail trade	69	64	-	-	-	-	5	-
All other industries	62	16	46	-	7	39	-	-
Farmers and farm managers	**98**	**3**	-	-	-	-	**95**	-
Farm laborers and farm foremen	**51**	**39**	**12**	-	-	**12**	-	-
Paid farm laborers and farm foremen	51	39	12	-	-	12	-	-
Unpaid family workers	-	-	-	-	-	-	-	-
Service workers, except private household[1]	**1 967**	**1 430**	**423**	**125**	**43**	**255**	**114**	-
Cleaning service workers	593	481	100	13	23	64	12	-
Food service workers	389	305	36	12	-	24	48	-
Cooks, except private household	95	78	9	4	-	5	8	-
Busboys and dishwashers	133	115	12	8	-	4	6	-
Health service workers	160	72	88	25	8	55	-	-
Personal service workers	200	136	40	16	-	24	24	-
Protective service workers	162	80	82	21	-	61	-	-
Firemen, fire protection	5	-	5	-	-	5	-	-
Guards and watchmen	101	80	21	21	-	-	-	-
Policemen and detectives	52	-	52	-	-	52	-	-
Private household workers	**26**	**26**	-	-	-	-	-	-

[1]Includes allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
MILWAUKEE SMSA—Continued								
Negro—Continued								
Female, 16 years old and over	**15 399**	**11 773**	**3 370**	**848**	**409**	**2 113**	**244**	**12**
Professional, technical, and kindred workers	**1 472**	**582**	**866**	**105**	**82**	**679**	**24**	**–**
Accountants	18	18	–	–	–	–	–	–
Computer specialists	3	3	–	–	–	–	–	–
Librarians	24	20	4	–	–	4	–	–
Mathematical specialists	–	–	–	–	–	–	–	–
Life and physical scientists	9	9	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	181	124	51	31	–	20	6	–
Dietitians	38	33	5	5	–	–	–	–
Registered nurses	124	77	41	21	–	20	6	–
Health technologists and technicians	88	62	26	6	–	20	–	–
Social scientists	3	–	3	–	–	3	–	–
Social and recreation workers	220	66	154	26	26	102	–	–
Teachers: College and university	42	27	15	–	11	4	–	–
Elementary and prekindergarten	431	78	353	7	23	323	–	–
Secondary	149	14	135	–	5	130	–	–
Other teachers	11	–	11	–	–	11	–	–
Engineering and science technicians	29	29	–	–	–	–	–	–
Technicians, except health, and engineering and science	5	5	–	–	–	–	–	–
Writers, artists, and entertainers	10	10	–	–	–	–	–	–
Actors and dancers	–	–	–	–	–	–	–	–
Authors, editors, and reporters	–	–	–	–	–	–	–	–
Other professional, technical, and kindred workers	249	117	114	35	17	62	18	–
Managers and administrators, except farm	**93**	**48**	**30**	**8**	**–**	**22**	**15**	**–**
Buyers, purchasing agents, and sales managers	–	–	–	–	–	–	–	–
Restaurant, cafeteria, and bar managers	5	–	–	–	–	–	5	–
School administrators	15	5	10	–	–	10	–	–
Other specified managers and administrators	27	15	12	–	–	12	–	–
Managers and administrators, n.e.c., salaried	36	28	8	8	–	–	–	–
Wholesale and retail trade	11	11	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	10	–	–	–	–	–	10	–
Wholesale and retail trade	10	–	–	–	–	–	10	–
Sales workers	**428**	**397**	**16**	**–**	**6**	**10**	**15**	**–**
Demonstrators, hucksters, and peddlers	18	13	5	–	–	5	–	–
Insurance, real estate agents, and brokers	36	36	–	–	–	–	–	–
Sales clerks, retail trade	200	200	–	–	–	–	–	–
Salesmen, retail trade	15	15	–	–	–	–	–	–
Other sales workers	159	133	11	–	6	5	15	–
Clerical and kindred workers	**3 337**	**2 225**	**1 098**	**381**	**137**	**580**	**10**	**4**
Bank tellers	26	26	–	–	–	–	–	–
Bookkeepers	94	89	–	–	–	–	5	–
Cashiers	195	192	3	–	3	–	–	–
Counter clerks, except food	41	37	–	–	–	–	–	4
Enumerators and interviewers	15	4	11	11	–	–	–	–
File clerks	122	78	44	23	6	15	–	–
Office machine operators	336	310	26	14	7	5	–	–
Bookkeeping and billing machine operators	29	25	4	4	–	–	–	–
Keypunch operators	257	235	22	10	7	5	–	–
Payroll and timekeeping clerks	16	13	3	3	–	–	–	–
Receptionists	65	57	8	8	–	–	–	–
Secretaries	320	245	75	33	16	26	–	–
Stenographers	12	8	4	–	–	4	–	–
Telephone operators	192	179	13	–	4	9	–	–
Typists	359	236	123	33	38	52	–	–
Other clerical and kindred workers	1 544	751	788	256	63	469	5	–
Craftsmen and kindred workers	**219**	**209**	**10**	**–**	**–**	**10**	**–**	**–**
Foremen, n.e.c.	48	38	10	–	–	10	–	–
Operatives, except transport	**3 537**	**3 324**	**194**	**30**	**24**	**140**	**19**	**–**
Assemblers	412	380	32	11	8	13	–	–
Bottling and canning operatives	3	3	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	223	217	6	–	–	6	–	–
Dressmakers and seamstresses, except factory	46	23	14	–	–	14	9	–
Laundry and drycleaning operatives, including ironers	488	438	46	3	6	37	4	–
Graders and sorters, manufacturing	13	13	–	–	–	–	–	–
Packers and wrappers, except produce	275	264	5	–	–	5	6	–
Sewers and stitchers	230	230	–	–	–	–	–	–
Textile operatives	36	30	6	–	–	6	–	–
Other specified operatives	1 103	1 029	74	16	10	48	–	–
Miscellaneous and not specified operatives	708	697	11	–	–	11	–	–
Manufacturing	612	606	6	–	–	6	–	–
Durable goods	329	323	6	–	–	6	–	–
Machinery, including electrical	215	209	6	–	–	6	–	–
Other durable goods	114	114	–	–	–	–	–	–
Nondurable goods, including not specified manufacturing	283	283	–	–	–	–	–	–
Food and kindred products	16	16	–	–	–	–	–	–
Apparel and other fabricated textile products	5	5	–	–	–	–	–	–
Nonmanufacturing industries	96	91	5	–	–	5	–	–
Transport equipment operatives	**59**	**48**	**11**	**–**	**–**	**11**	**–**	**–**
Laborers, except farm	**293**	**249**	**39**	**26**	**–**	**13**	**5**	**–**
Farmers and farm managers	**59**	**17**	**–**	**–**	**–**	**–**	**42**	**–**
Farm laborers and farm foremen	**58**	**54**	**–**	**–**	**–**	**–**	**–**	**4**
Paid farm laborers and farm foremen	54	54	–	–	–	–	–	–
Unpaid family workers	4	–	–	–	–	–	–	4
Service workers, except private household[1]	**4 997**	**3 790**	**1 106**	**298**	**160**	**648**	**97**	**4**
Cleaning service workers	974	792	177	39	34	104	5	–
Chambermaids and maids	294	261	33	15	5	13	–	–
Food service workers	931	775	143	56	22	65	13	–
Cooks, except private household	346	301	45	9	14	22	–	–
Waiters and food counter workers	205	197	4	4	–	–	4	–
Health service workers	1 903	1 385	508	148	54	306	10	–
Nursing aides, orderlies, and attendants	1 557	1 126	421	109	44	268	10	–
Practical nurses	187	146	41	28	5	8	–	–
Personal service workers	335	186	107	16	23	68	42	–
Hairdressers and cosmetologists	98	56	4	–	–	4	38	–
Private household workers	**847**	**830**	**–**	**–**	**–**	**–**	**17**	**–**
Private household workers, living in	16	16	–	–	–	–	–	–
Private household workers, living out	831	814	–	–	–	–	17	–

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE

Total

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	16 424	1 069 205	34 157	46 099	114 545	122 468	108 087	219 725	214 014	92 120	67 832	50 158	40.0
Professional, technical, and kindred workers	111	136 894	511	1 819	15 861	25 024	20 283	32 358	22 600	7 592	6 020	4 826	36.5
Accountants	–	10 333	12	19	1 215	1 738	1 349	2 366	1 775	783	581	495	38.5
Architects	–	746	–	–	36	59	113	225	159	40	51	63	42.3
Computer specialists	–	3 168	–	33	698	1 098	581	582	134	13	24	5	28.9
Engineers	–	21 738	4	58	1 439	3 131	3 337	5 985	4 786	1 497	1 040	461	39.8
Aeronautical and astronautical	–	29	–	–	–	9	4	12	4	–	–	–	...
Civil	–	2 698	4	–	194	367	412	796	544	141	178	62	39.7
Electrical and electronic	–	4 429	–	15	372	807	632	1 277	870	266	121	69	38.0
Mechanical	–	4 079	–	11	143	511	561	1 125	1 072	340	224	92	42.2
Other engineers	–	10 503	–	32	730	1 437	1 728	2 775	2 296	750	517	238	39.8
Lawyers and judges	4	4 763	–	6	85	640	524	1 156	1 079	459	363	451	44.7
Life and physical scientists	–	2 766	9	28	299	552	375	775	426	113	122	67	36.5
Chemists	–	1 559	9	4	140	321	238	396	251	82	72	46	36.7
Physicians, dentists, and related practitioners	–	9 994	7	6	193	864	1 145	2 860	2 276	656	756	1 231	44.7
Dentists	–	1 907	–	–	5	158	157	488	525	96	106	372	47.8
Pharmacists	–	2 061	–	–	124	276	255	496	314	112	170	314	42.6
Physicians, medical and osteopathic	–	4 625	–	6	40	332	623	1 448	986	353	391	446	44.1
Other related practitioners	–	1 401	7	–	24	98	110	428	451	95	89	99	45.7
Health technologists and technicians	–	1 473	7	36	328	371	197	219	237	51	18	9	29.9
Religious workers	4	5 165	4	18	111	589	699	1 390	1 081	416	408	449	43.4
Social scientists	–	1 494	–	–	146	360	232	340	259	58	45	54	35.3
Social and recreation workers	5	2 740	21	71	406	577	392	549	366	113	156	89	33.8
Teachers	4	30 637	141	216	4 197	7 393	5 223	6 954	3 701	1 225	1 013	574	33.2
College and university	–	9 822	9	92	948	1 841	1 763	2 616	1 450	483	347	273	36.0
Elementary and prekindergarten	–	5 983	27	17	1 077	1 700	905	1 213	551	240	154	99	30.9
Secondary	–	13 335	53	28	1 979	3 603	2 364	2 898	1 401	438	445	126	32.1
Engineering and science technicians	15	15 372	50	492	2 970	3 029	2 501	3 097	1 930	664	442	197	32.3
Draftsmen and surveyors	–	7 267	30	248	1 657	1 477	1 113	1 392	738	275	218	119	31.0
Electrical and electronic engineering technicians	3	2 247	5	51	423	514	451	448	260	54	41	–	31.4
Technicians, except health, and engineering and science	–	1 795	–	32	166	354	303	407	368	103	39	23	36.0
Airplane pilots	–	509	–	–	20	124	113	147	80	20	5	–	34.9
Writers, artists, and entertainers	62	9 109	204	489	1 380	1 314	1 086	1 961	1 470	544	386	275	35.4
Other professional, technical, and kindred workers	17	15 601	52	315	2 192	2 955	2 226	3 492	2 553	857	576	383	35.2
Managers and administrators, except farm	143	106 778	176	718	4 827	9 927	10 732	27 927	28 098	11 073	7 707	5 593	44.7
Buyers, purchasing agents, and sales managers	–	13 497	16	143	803	1 600	1 501	3 758	3 399	1 166	758	353	42.1
School administrators	–	3 468	6	5	67	266	510	1 104	876	331	247	56	43.0
Specified managers and administrators, public administration	11	5 972	10	–	110	257	367	1 583	1 902	723	528	492	48.5
Other specified managers and administrators	59	18 435	46	168	1 255	2 203	1 757	4 389	4 277	1 929	1 349	1 062	43.6
Managers and administrators, n.e.c., salaried	58	49 889	92	387	2 312	4 798	5 326	13 402	13 301	4 749	3 279	2 243	44.0
Manufacturing	41	16 047	9	48	293	1 018	1 762	4 419	4 948	1 707	1 151	692	46.0
Wholesale and retail trade	17	16 873	67	228	1 356	2 210	1 864	3 961	3 776	1 586	993	832	41.8
Transportation, communications, and other public utilities	–	4 091	–	17	92	335	414	1 163	1 136	453	310	171	45.2
All other industries	–	12 878	16	94	571	1 235	1 286	3 859	3 441	1 003	825	548	43.4
Managers and administrators, n.e.c., self-employed	15	15 517	6	15	280	803	1 271	3 691	4 343	2 175	1 546	1 387	48.9
Construction	–	2 318	6	–	40	129	186	710	807	214	117	109	46.1
Manufacturing	3	1 290	–	–	17	40	91	330	378	133	155	146	49.4
Wholesale and retail trade	12	8 802	–	–	193	496	770	2 014	2 295	1 249	949	836	49.0
All other industries	–	3 107	–	15	30	138	224	637	863	579	325	296	50.9
Sales workers	6 345	61 802	2 566	2 514	5 675	7 067	6 315	13 094	12 218	4 665	3 577	4 111	40.2
Insurance agents, brokers, and underwriters	25	8 451	6	10	597	1 167	943	2 191	1 892	567	406	672	41.9
Real estate agents and brokers	6	2 936	–	7	65	101	285	751	871	281	290	285	48.0
Sales representatives, manufacturing industries	4	8 488	14	62	503	1 234	1 102	2 244	1 893	662	440	334	40.9
Sales representatives, wholesale trade	10	11 116	26	89	643	1 393	1 379	2 819	2 607	941	617	602	42.2
Sales clerks, retail trade	179	13 729	1 068	1 575	2 104	1 293	920	1 760	1 995	926	910	1 178	34.5
Salesmen, retail trade	–	7 134	91	149	710	763	704	1 569	1 446	665	499	538	42.3
Salesmen of services and construction	14	2 869	62	59	229	390	356	680	588	236	107	162	40.0
Other sales workers	6 107	7 079	1 299	563	824	726	626	1 080	926	387	308	340	31.0
Clerical and kindred workers	352	64 941	1 613	3 396	9 362	7 349	5 904	12 482	12 805	5 423	3 928	2 679	38.9
Bank tellers and cashiers	44	1 680	214	276	340	174	115	176	103	68	69	145	25.3
Bookkeepers and billing clerks	10	4 480	31	79	533	540	345	735	840	497	392	488	44.7
Mail handlers and postal clerks	11	9 572	107	307	748	725	940	2 443	2 911	836	383	172	43.0
Other clerical and kindred workers	287	49 209	1 261	2 734	7 741	5 910	4 504	9 128	8 951	4 022	3 084	1 874	37.7
Craftsmen and kindred workers	342	217 053	1 483	5 314	21 391	25 398	23 570	49 982	48 740	19 986	14 132	7 057	41.3
Apparel craftsmen and upholsterers	4	995	9	49	66	82	90	163	167	139	108	122	47.3
Bakers	26	1 658	87	98	147	180	156	295	273	168	178	76	40.5
Cabinetmakers	–	1 327	–	40	134	80	145	274	331	85	105	133	44.7
Construction craftsmen	57	54 060	262	1 182	4 909	6 150	5 951	12 582	12 366	4 696	3 644	2 318	41.8
Carpenters	13	17 075	88	453	1 467	1 759	1 569	3 545	4 045	1 742	1 283	1 124	44.0
Excavating, grading, and road machine operators	–	5 411	27	72	410	596	607	1 373	1 408	532	288	98	42.2
Electricians	6	9 330	4	126	927	1 157	1 088	2 374	2 107	715	566	266	40.7
Masons and tile setters	–	4 097	11	83	452	435	497	1 224	841	220	210	124	39.7
Painters, construction and maintenance, and paperhangers	25	5 676	74	178	553	462	550	956	1 308	575	554	466	45.5
Plasterers and cement finishers	–	1 492	4	22	82	196	228	394	372	85	76	33	40.4
Plumbers and pipe fitters	13	8 006	5	116	640	1 131	1 066	1 947	1 749	620	575	157	40.4
Other construction craftsmen	–	2 973	49	132	378	414	346	769	536	207	92	50	37.2
Foremen, n.e.c.	25	33 599	30	98	1 198	3 081	3 663	9 235	9 297	3 983	2 352	662	44.5
Manufacturing	15	22 836	9	52	762	2 159	2 508	6 230	6 297	2 769	1 620	430	44.5
Nonmanufacturing industries	10	10 763	21	46	436	922	1 155	3 005	3 000	1 214	732	232	44.3
Linemen and servicemen, telephone and power	–	7 038	6	236	1 103	1 401	1 007	1 785	925	242	290	43	33.8
Locomotive engineers and firemen	5	1 442	–	23	101	88	121	329	465	153	117	45	46.3
Mechanics and repairmen	68	46 242	623	1 771	5 785	6 032	5 078	10 018	9 255	3 716	2 594	1 370	38.8
Air conditioning, heating, and refrigeration	–	1 648	6	46	140	192	214	399	380	98	109	64	40.7
Aircraft	–	452	6	–	96	90	55	141	42	7	10	5	33.1
Automobile, including body	38	19 180	318	1 085	3 073	2 455	2 148	3 798	3 537	1 306	973	487	36.3
Radio and television	–	2 241	33	104	264	295	228	643	358	139	101	76	38.1
Other mechanics and repairmen	30	22 721	260	536	2 212	3 000	2 433	5 037	4 938	2 166	1 401	738	40.8
Metal craftsmen, except mechanics	10	34 724	114	755	3 721	4 177	3 554	7 676	8 191	3 441	2 252	843	41.6
Machinists and job and die setters	6	16 136	47	383	1 871	2 116	1 684	3 495	3 510	1 600	1 072	358	40.6
Sheetmetal workers and tinsmiths	4	3 606	6	74	445	407	367	863	926	236	210	72	40.8
Tool and die makers	–	5 788	19	91	641	603	519	1 240	1 580	600	334	161	43.2
Other metal craftsmen	–	9 194	42	207	764	1 051	984	2 078	2 175	1 005	636	252	42.5
Printing craftsmen	–	8 506	74	279	1 296	1 185	1 170	1 973	1 322	559	471	177	36.3
Compositors and typesetters	–	3 024	31	97	427	358	388	697	425	250	251	100	38.0
Pressmen and plate printers, printing	–	3 667	38	137	637	574	511	855	515	200	143	57	34.4
Stationary engineers and power station operators	8	3 821	13	21	179	264	357	809	1 148	615	320	95	47.3
Other craftsmen and kindred workers	139	23 641	265	762	2 752	2 678	2 278	4 843	5 000	2 189	1 701	1 173	41.4

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE—Continued

Total—Continued

Male employed—Continued

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Operatives, except transport	**1 034**	**185 129**	**5 407**	**11 690**	**26 097**	**22 762**	**18 671**	**33 583**	**34 283**	**16 872**	**11 246**	**4 518**	**37.4**
Assemblers	51	20 502	127	1 169	3 114	2 910	2 536	3 674	3 882	1 613	1 134	343	36.1
Checkers, examiners, and inspectors; manufacturing	4	10 473	21	206	1 163	1 278	1 098	2 025	2 493	1 228	804	157	42.3
Garage workers and gas station attendants	297	8 986	2 812	2 214	1 544	455	221	445	478	232	267	318	19.5
Laundry and drycleaning operatives, n.e.c	24	1 085	85	107	132	78	62	140	190	128	94	69	40.6
Meat cutters and butchers	8	6 671	97	244	808	849	742	1 219	1 244	604	583	281	39.9
Mine operatives, n.e.c	–	598	11	40	75	49	54	122	129	71	42	5	40.7
Packers and wrappers, except produce	47	4 905	327	577	741	580	404	696	779	366	287	148	32.8
Painters, manufactured articles	3	2 756	21	151	442	367	239	613	533	204	148	38	37.6
Precision machine operatives	15	15 563	138	822	2 181	2 043	1 612	2 859	3 089	1 616	900	303	38.4
Sawyers	5	2 428	6	103	384	235	188	384	470	330	237	91	42.8
Stationary firemen	6	2 898	–	19	150	206	279	530	794	431	347	142	48.3
Textile operatives	5	851	5	42	177	81	122	150	127	68	57	22	34.9
Welders and flamecutters	5	16 044	119	551	1 997	2 310	1 880	3 636	2 968	1 518	838	227	38.2
Other metalworking operatives	10	10 179	93	604	1 465	1 191	1 124	1 892	1 895	982	652	281	38.2
Other specified operatives	405	23 922	549	1 404	3 249	2 838	2 231	4 579	4 502	2 009	1 544	1 017	38.7
Miscellaneous and not specified operatives	149	57 268	996	3 437	8 475	7 292	5 879	10 619	10 710	5 472	3 312	1 076	37.4
Occupation:													
Machine operatives, miscellaneous specified	49	25 977	373	1 507	3 500	3 365	2 741	5 015	5 011	2 510	1 501	454	38.0
Machine operatives, not specified	12	12 691	71	643	2 018	1 832	1 350	2 456	2 363	1 108	656	194	36.8
Miscellaneous operatives	60	10 738	447	833	1 781	1 183	975	1 743	1 778	1 002	725	271	35.9
Not specified operatives	28	7 862	105	454	1 176	912	813	1 405	1 558	852	430	157	38.4
Industry:													
Manufacturing	92	50 874	718	2 953	7 572	6 692	5 297	9 562	9 539	4 905	2 841	795	37.3
Durable goods	28	25 611	260	1 446	3 837	3 333	2 534	4 734	4 664	2 758	1 558	487	37.9
Wood products, including furniture	5	2 604	58	180	229	209	201	400	539	387	288	113	45.5
Primary metal industries	11	4 293	10	235	506	705	360	891	822	463	281	20	38.7
Fabricated metal industries	4	3 490	56	246	634	533	414	572	515	308	152	60	33.3
Machinery, including electrical	8	9 708	83	518	1 614	1 197	951	1 815	1 843	1 053	478	156	37.7
Motor vehicles and equipment	–	1 843	5	95	165	247	190	441	317	195	163	25	40.0
Transportation equipment, except motor vehicles	–	581	18	42	103	93	46	90	96	50	31	12	33.8
Other durable goods	–	3 092	30	130	586	349	372	525	532	302	165	101	36.5
Nondurable goods	64	24 953	458	1 500	3 687	3 304	2 711	4 764	4 825	2 127	1 273	304	36.7
Food and kindred products	26	7 990	287	625	1 005	841	747	1 428	1 598	793	501	165	38.4
Apparel and other fabricated textile products	–	139	4	5	29	10	5	32	31	5	4	14	40.2
Paper and allied products	–	10 523	25	421	1 491	1 495	1 260	2 308	2 129	850	493	51	37.5
Chemicals and allied products	5	1 337	11	50	199	300	189	251	186	94	42	15	32.9
Other nondurable goods	33	4 964	131	399	963	658	510	745	881	385	233	59	33.2
Not specified manufacturing industries	–	310	–	7	48	55	52	64	50	20	10	4	34.3
Nonmanufacturing industries	57	6 394	278	484	903	600	582	1 057	1 171	567	471	281	38.3
Transportation, communications, and other public utilities	3	1 224	15	55	177	143	111	254	249	98	100	22	39.4
Wholesale and retail trade	27	3 018	197	297	425	222	250	452	538	290	192	155	37.6
All other industries	27	2 152	66	132	301	235	221	351	384	179	179	104	38.4
Transport equipment operatives	**161**	**61 175**	**992**	**2 762**	**6 683**	**7 115**	**6 749**	**14 443**	**12 883**	**5 042**	**3 015**	**1 491**	**39.4**
Bus drivers	5	3 452	15	10	256	254	248	619	785	572	414	279	49.1
Taxicab drivers and chauffeurs	–	1 724	10	43	251	216	109	312	343	178	137	125	42.5
Truck drivers and deliverymen	104	44 275	866	1 944	4 427	5 204	5 217	11 063	9 406	3 456	1 843	849	39.0
Other transport equipment operatives	52	11 724	101	765	1 749	1 441	1 175	2 449	2 349	836	621	238	37.6
Laborers, except farm	**1 887**	**63 193**	**7 310**	**7 304**	**9 152**	**5 744**	**4 827**	**8 732**	**9 384**	**4 513**	**3 582**	**2 645**	**32.2**
Construction laborers	69	9 569	273	534	1 530	1 305	903	1 747	1 708	791	560	218	36.4
Freight, stock, and material handlers	732	24 244	4 685	3 939	3 623	1 824	1 580	2 848	3 045	1 328	845	527	24.8
Other specified laborers	712	13 775	1 389	1 389	1 698	1 101	1 015	1 932	2 103	1 052	942	1 154	36.5
Miscellaneous and not specified laborers	374	15 605	963	1 442	2 301	1 514	1 329	2 205	2 528	1 342	1 235	746	36.1
Occupation:													
Miscellaneous laborers	97	4 174	104	257	506	382	344	619	873	465	423	201	43.0
Not specified laborers	277	11 431	859	1 185	1 795	1 132	985	1 586	1 655	877	812	545	33.8
Industry:													
Manufacturing	41	9 980	356	885	1 643	1 091	921	1 442	1 703	895	776	268	35.7
Durable goods	24	6 557	144	610	1 055	687	580	946	1 235	628	511	161	37.1
Wood products, including furniture	4	720	8	100	82	36	58	90	146	69	85	46	43.4
Metal industries	–	2 388	55	225	432	264	198	328	436	223	188	39	35.6
Machinery, including electrical	6	2 021	44	166	305	223	155	340	389	190	168	41	38.5
Transportation equipment	9	727	9	44	95	96	107	91	135	89	50	11	36.4
Other durable goods	5	701	28	75	141	68	62	97	129	57	20	24	33.1
Nondurable goods	17	3 410	212	275	580	399	341	496	468	267	265	107	33.5
Food and kindred products	6	1 658	136	142	283	116	173	238	232	111	174	53	34.4
Not specified manufacturing industries	–	13	–	–	8	5	–	–	–	–	–	–	–
Nonmanufacturing industries	333	5 625	607	557	658	423	408	763	825	447	459	478	37.1
Railroads and railway express service	–	685	4	23	80	45	57	106	165	97	102	6	46.7
Transportation, except railroads	22	238	25	17	26	14	23	30	59	15	19	10	39.7
Communications, and utilities and sanitary services	26	744	14	14	71	79	47	187	155	67	62	48	42.9
Wholesale and retail trade	113	2 084	384	279	260	157	119	224	209	163	128	161	28.8
All other industries	172	1 874	180	224	221	128	162	216	237	105	148	253	36.0
Farmers and farm managers	**231**	**68 549**	**290**	**515**	**2 610**	**4 088**	**4 786**	**14 078**	**18 374**	**8 522**	**7 008**	**8 278**	**49.3**
Farm laborers and farm foremen	**3 530**	**20 968**	**4 631**	**3 366**	**3 566**	**1 569**	**991**	**1 526**	**1 603**	**885**	**947**	**1 884**	**23.5**
Paid farm laborers and farm foremen	1 969	16 177	2 843	2 390	2 913	1 370	863	1 365	1 441	784	833	1 375	24.9
Unpaid family workers	1 561	4 791	1 788	976	653	199	128	161	162	101	114	509	19.2
Service workers, except private household[1]	**2 173**	**82 381**	**9 084**	**6 677**	**9 281**	**6 404**	**5 241**	**11 490**	**13 007**	**7 516**	**6 666**	**7 015**	**38.9**
Cleaning service workers	735	28 349	2 449	1 984	2 112	1 137	1 239	3 217	5 331	3 639	3 640	3 601	48.8
Food service workers	943	21 710	5 610	3 214	3 069	1 270	907	2 078	2 430	1 168	834	1 130	23.3
Cooks, except private household	171	5 662	1 606	1 272	881	335	244	474	448	175	123	104	19.9
Busboys and dishwashers	472	4 663	2 710	1 071	523	63	36	55	40	15	55	95	17.7
Health service workers	11	3 382	112	364	949	295	181	392	495	281	213	100	29.5
Personal service workers	114	6 613	557	525	823	684	489	978	697	568	509	783	37.3
Protective service workers	11	17 161	13	82	1 438	2 541	2 080	4 065	3 288	1 505	1 121	1 028	41.0
Firemen, fire protection	–	3 472	–	–	153	651	553	933	825	245	89	23	39.1
Guards and watchmen	5	4 904	13	60	378	285	215	718	1 010	765	757	703	52.8
Policemen and detectives	6	7 456	–	22	857	1 445	1 163	2 094	1 204	387	205	79	36.2
Private household workers	**115**	**342**	**94**	**24**	**40**	**21**	**18**	**30**	**19**	**31**	**4**	**61**	**28.1**

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE—Continued

Total—Continued

	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Female employed	6 761	634 424	22 775	42 474	100 330	57 997	49 557	116 082	127 375	54 212	36 551	27 071	38.8
Professional, technical, and kindred workers	144	97 187	477	1 916	17 592	15 190	9 926	18 098	17 137	7 301	5 817	3 733	36.9
Accountants	–	3 989	10	120	688	372	293	821	951	339	278	117	41.2
Computer specialists	–	630	–	19	325	133	60	56	25	5	–	7	24.6
Librarians	6	2 220	26	151	310	260	167	312	445	237	224	88	41.3
Mathematical specialists	–	155	–	11	37	30	8	13	31	11	14	–	29.9
Life and physical scientists	–	415	–	13	77	88	72	67	40	27	23	8	32.0
Registered nurses, dietitians, and therapists	9	19 902	49	172	3 125	2 960	2 386	4 123	3 778	1 558	1 092	659	38.1
Dietitians	4	1 197	35	45	143	140	124	231	248	135	34	62	39.8
Registered nurses	5	17 110	14	75	2 572	2 538	2 080	3 603	3 297	1 355	1 014	562	38.5
Health technologists and technicians	17	5 147	48	287	1 504	1 023	574	756	582	195	120	58	28.6
Social scientists	–	288	–	–	61	39	54	30	46	15	22	21	34.1
Social and recreation workers	10	2 718	38	84	542	576	170	372	502	200	167	67	33.5
Teachers: College and university	4	4 206	–	118	677	743	485	779	798	259	164	183	36.0
Elementary and prekindergarten	5	28 739	46	69	4 676	4 639	2 999	5 496	5 124	2 516	2 102	1 072	38.5
Secondary	9	10 224	20	26	2 302	1 895	1 048	1 783	1 547	714	590	299	34.1
Other teachers	16	2 759	74	101	195	375	252	510	496	210	206	340	42.5
Engineering and science technicians	–	2 083	5	243	514	229	171	299	401	129	51	41	31.5
Technicians, except health, and engineering and science	–	338	–	26	78	35	25	55	76	30	7	6	35.9
Writers, artists, and entertainers	30	4 233	121	251	777	557	375	901	664	215	148	224	35.4
Actors and dancers	–	103	–	5	44	25	–	14	5	5	5	–	25.5
Authors, editors, and reporters	–	1 153	4	39	232	148	97	239	190	80	28	96	37.4
Other professional, technical, and kindred workers	38	9 141	40	225	1 704	1 236	787	1 725	1 631	641	609	543	38.4
Managers and administrators, except farm	19	19 355	40	182	1 153	1 133	1 274	4 070	5 423	2 665	1 920	1 495	48.4
Buyers, purchasing agents, and sales managers	–	2 266	–	40	284	140	135	474	578	376	154	85	46.0
Restaurant, cafeteria, and bar managers	–	2 568	5	10	107	98	117	623	774	427	236	171	49.2
School administrators	–	1 022	–	14	12	46	73	278	273	125	138	63	48.2
Other specified managers and administrators	19	4 599	35	67	303	322	295	922	1 159	657	475	364	48.1
Managers and administrators, n.e.c., salaried	–	6 220	–	45	397	445	519	1 270	1 762	711	603	468	47.5
Wholesale and retail trade	–	2 335	–	13	150	133	138	488	710	295	202	206	48.5
Managers and administrators, n.e.c., self-employed	–	2 680	–	6	50	82	135	503	877	369	314	344	51.4
Wholesale and retail trade	–	1 633	–	6	35	41	83	271	532	260	184	221	52.2
Sales workers	535	49 243	3 533	3 774	4 786	3 082	3 237	8 757	10 411	5 205	3 576	2 882	42.1
Demonstrators, hucksters, and peddlers	11	3 558	43	80	425	550	567	843	531	277	138	104	36.4
Insurance, real estate agents, and brokers	5	1 606	–	31	161	141	178	388	341	141	126	99	42.5
Sales clerks, retail trade	218	36 091	2 969	3 100	3 076	1 668	1 881	6 214	8 204	4 050	2 760	2 169	43.6
Salesmen, retail trade	6	1 299	52	55	98	81	57	286	311	139	105	115	45.7
Other sales workers	295	6 689	469	508	1 026	642	554	1 026	1 024	598	447	395	36.4
Clerical and kindred workers	724	201 421	5 877	19 116	43 324	17 926	15 082	36 534	37 647	12 998	8 182	4 735	34.8
Bank tellers	4	4 120	29	391	1 180	459	399	722	620	180	89	51	30.0
Bookkeepers	25	24 330	131	1 002	3 398	1 947	2 140	5 309	5 861	2 113	1 457	972	41.7
Cashiers	109	15 413	2 019	2 020	2 119	1 131	1 064	2 631	2 629	952	526	322	32.0
Counter clerks, except food	21	2 604	193	270	452	115	162	490	482	246	134	60	37.2
Enumerators and interviewers	–	862	11	9	51	65	121	273	213	62	21	36	41.4
File clerks	30	4 147	270	808	1 144	274	196	518	508	232	155	42	24.4
Office machine operators	–	8 952	110	1 135	2 846	1 284	799	1 421	883	205	197	72	26.5
Bookkeeping and billing machine operators	–	1 271	25	142	387	124	117	220	155	54	24	23	28.3
Keypunch operators	–	5 645	63	720	1 966	960	565	846	407	51	60	7	25.4
Payroll and timekeeping clerks	5	2 393	17	126	433	160	222	501	583	186	132	33	39.8
Receptionists	23	6 971	205	987	1 772	563	409	1 196	1 091	317	225	206	29.6
Secretaries	71	46 477	327	3 323	11 563	5 021	3 628	8 473	8 775	2 855	1 624	888	34.1
Stenographers	5	3 609	61	352	889	317	266	513	702	258	165	86	33.5
Telephone operators	4	5 866	161	795	1 333	469	391	1 135	881	372	240	89	32.2
Typists	19	16 245	439	2 339	4 629	1 527	1 142	2 377	2 357	682	531	222	27.3
Other clerical and kindred workers	408	59 432	1 904	5 559	11 515	4 594	4 143	10 975	12 062	4 338	2 686	1 656	36.8
Craftsmen and kindred workers	28	11 652	70	415	1 346	933	891	2 486	2 891	1 231	795	594	43.7
Foremen, n.e.c.	5	2 420	–	25	164	116	138	553	827	310	209	78	47.6
Operatives, except transport	259	85 743	828	4 607	11 271	7 787	6 957	17 884	20 547	8 394	4 677	2 791	41.4
Assemblers	15	14 713	73	874	2 277	1 520	1 285	3 400	3 541	1 075	459	209	38.9
Bottling and canning operatives	–	341	–	9	45	15	20	87	72	62	16	15	44.4
Checkers, examiners, and inspectors; manufacturing	5	6 672	16	262	806	558	546	1 471	1 904	737	294	78	42.8
Dressmakers and seamstresses, except factory	–	1 881	17	15	80	77	87	234	468	278	194	431	54.2
Laundry and drycleaning operatives, including ironers	6	5 097	115	200	300	274	214	869	1 374	751	572	428	49.2
Graders and sorters, manufacturing	–	756	16	8	78	73	29	116	232	103	70	31	47.5
Packers and wrappers, except produce	14	8 988	137	555	1 163	840	635	1 927	2 200	930	445	156	41.0
Sewers and stitchers	–	7 948	36	381	827	517	537	1 535	1 975	973	763	404	45.7
Textile operatives	5	1 549	–	174	176	187	163	301	313	132	72	31	37.5
Other specified operatives	144	17 738	209	1 020	2 540	1 646	1 655	3 386	4 048	1 645	940	649	40.3
Miscellaneous and not specified operatives	70	20 060	209	1 109	2 979	2 080	1 786	4 558	4 420	1 708	852	359	39.1
Manufacturing	54	17 840	110	938	2 673	1 917	1 644	4 088	3 933	1 499	754	284	39.0
Durable goods	37	9 941	41	532	1 429	1 191	890	2 364	2 283	783	302	126	38.8
Machinery, including electrical	24	4 181	20	217	589	482	409	1 036	949	342	107	30	38.6
Other durable goods	13	5 760	21	315	840	709	481	1 328	1 334	441	195	96	38.9
Nondurable goods, including not specified manufacturing	17	7 899	69	406	1 244	726	754	1 724	1 650	716	452	158	39.4
Food and kindred products	7	1 350	14	60	125	143	113	268	286	179	113	49	43.2
Apparel and other fabricated textile products	–	429	9	17	57	21	33	78	112	43	53	6	44.9
Nonmanufacturing industries	16	2 220	99	171	306	163	142	470	487	209	98	75	39.9
Transport equipment operatives	11	3 003	33	93	261	331	488	771	680	181	100	65	38.8
Laborers, except farm	120	8 335	563	621	1 037	702	676	1 566	1 664	709	431	366	38.6
Farmers and farm managers	34	4 925	42	10	182	294	394	1 090	1 367	611	398	537	48.3
Farm laborers and farm foremen	711	8 674	829	411	537	515	649	2 016	2 176	817	445	279	41.9
Paid farm laborers and farm foremen	422	2 093	417	243	227	122	110	291	365	138	78	102	31.7
Unpaid family workers	269	6 581	412	168	310	393	539	1 725	1 811	679	367	177	43.5
Service workers, except private household[1]	1 621	129 456	8 746	10 507	18 019	9 428	9 326	21 389	25 085	12 249	8 367	6 340	39.1
Cleaning service workers	164	16 726	780	514	784	480	785	2 649	4 197	2 809	1 942	1 786	50.6
Chambermaids and maids	29	4 143	261	190	294	147	186	716	993	547	451	358	47.8
Food service workers	452	55 257	5 754	5 054	5 588	3 321	3 864	9 537	11 014	5 126	3 497	2 502	39.2
Cooks, except private household	33	14 009	277	406	578	451	771	2 486	4 189	2 217	1 656	978	49.9
Waiters and food counter workers	198	26 392	3 713	3 420	4 112	2 225	2 340	4 478	3 572	1 273	746	513	29.4
Health service workers	42	33 137	1 334	3 212	6 797	2 882	2 675	5 512	5 691	2 580	1 603	851	34.4
Nursing aides, orderlies, and attendants	9	23 153	846	2 441	3 983	1 796	1 917	4 175	4 306	1 879	1 198	612	36.4
Practical nurses	6	4 651	8	176	1 400	724	496	650	553	317	194	133	30.2
Personal service workers	161	13 395	358	800	3 365	1 641	976	1 818	2 212	990	650	585	32.7
Hairdressers and cosmetologists	29	7 796	13	475	2 783	1 250	537	847	1 082	484	173	152	27.5
Private household workers	2 555	15 430	1 737	822	822	676	657	1 421	2 347	1 851	1 843	3 254	51.7
Private household workers, living in	6	1 275	19	45	63	52	10	52	202	187	172	473	60.2
Private household workers, living out	2 549	14 155	1 718	777	759	624	647	1 369	2 145	1 664	1 671	2 781	50.5

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE—Continued

Negro

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	**293**	**23 075**	**578**	**1 252**	**3 333**	**3 214**	**2 816**	**5 810**	**3 684**	**1 123**	**795**	**470**	**35.6**
Professional, technical, and kindred workers	9	1 369	33	97	228	327	187	304	144	25	4	20	30.0
Engineers	–	58	–	–	16	15	12	5	10	–	–	–	...
Lawyers and judges	–	14	–	–	–	–	7	–	7	–	–	–	...
Life and physical scientists	–	32	–	–	–	13	–	19	–	–	–	–	...
Physicians, dentists, and related practitioners	–	62	–	–	–	4	6	36	5	7	–	4	...
Health workers, except practitioners	–	79	–	–	–	25	4	29	16	5	–	–	...
Social and recreation workers	5	167	7	6	38	11	21	64	20	–	–	–	35.1
Teachers	–	328	5	13	66	70	75	64	30	5	–	–	30.7
Technicians, except health	–	125	4	19	11	40	9	20	22	–	–	–	28.6
Writers, artists, and entertainers	–	83	5	21	31	6	–	10	10	–	–	–	...
Other professional, technical, and kindred workers	4	421	12	38	66	143	53	57	24	8	4	16	28.3
Managers and administrators, except farm	–	601	4	18	78	76	94	183	91	26	17	14	36.7
Salaried	–	480	4	18	78	71	69	140	62	17	17	4	35.0
Manufacturing	–	51	–	6	10	–	7	20	–	4	4	–	...
Retail trade	–	168	–	5	32	38	24	45	15	4	5	–	31.9
All other industries	–	261	4	7	36	33	38	75	47	9	8	4	36.7
Self-employed	–	121	–	–	–	5	25	43	29	9	–	10	42.1
Retail trade	–	83	–	–	–	–	17	33	19	9	–	5	...
All other industries	–	38	–	–	–	5	8	10	10	–	–	5	...
Sales workers	93	424	52	65	77	98	50	41	18	9	6	8	25.9
Manufacturing and wholesale trade	74	133	29	29	44	17	6	8	–	–	–	–	21.0
Retail trade	19	176	23	36	26	36	10	22	8	5	6	4	25.4
All other industries	–	115	–	–	7	45	34	11	10	4	–	4	30.8
Clerical and kindred workers	15	1 154	47	116	230	207	167	194	118	42	28	5	29.4
Bookkeepers and billing clerks	–	39	4	4	7	24	–	–	–	–	–	–	...
Mail handlers and postal clerks	–	222	14	16	28	5	38	54	61	6	–	–	36.9
Other clerical and kindred workers	15	893	29	96	195	178	129	140	57	36	28	5	28.6
Craftsmen and kindred workers	13	3 878	22	68	521	439	524	1 148	742	222	132	60	38.2
Carpenters	–	50	–	–	7	6	–	5	17	5	5	5	...
Construction craftsmen, except carpenters	5	367	7	13	49	27	66	78	99	22	–	6	37.8
Automobile mechanics, including body repairmen	–	281	–	6	13	4	39	112	89	–	18	–	42.0
Mechanics and repairmen, except auto	4	281	–	9	43	32	36	74	63	6	3	15	37.8
Machinists	–	325	–	–	63	59	63	74	37	14	15	–	33.2
Metal craftsmen, except mechanics and machinists	–	790	–	14	120	93	100	249	146	53	9	6	37.7
Foremen, n.e.c.	–	277	–	–	24	40	28	122	41	12	10	–	38.8
Other craftsmen and kindred workers	4	1 507	15	26	202	178	192	434	250	110	72	28	38.2
Operatives, except transport	44	8 395	70	405	1 197	1 284	1 099	2 267	1 327	380	253	113	35.6
Assemblers	–	708	–	65	86	132	118	165	65	70	4	3	33.0
Garage workers and gas station attendants	5	92	–	17	5	20	17	19	11	–	–	3	...
Laundry and drycleaning operatives, including ironers	–	110	–	7	5	10	14	24	33	11	6	–	42.9
Precision machine operatives	–	740	–	19	117	61	131	214	107	46	33	12	37.0
Other operatives, except transport	39	6 745	70	297	984	1 061	819	1 845	1 111	253	210	95	35.8
Durable goods, manufacturing	28	4 664	32	219	647	780	544	1 265	790	189	140	58	35.9
Nondurable goods, including not specified manufacturing	11	1 269	21	28	203	211	179	385	159	29	42	12	34.8
Nonmanufacturing industries	–	812	17	50	134	70	96	195	162	35	28	25	37.0
Transport equipment operatives	4	1 360	11	75	233	147	109	434	228	66	39	18	37.4
Truck drivers	–	573	–	26	73	49	39	208	119	51	–	8	39.8
Other transport equipment operatives	4	787	11	49	160	98	70	226	109	15	39	10	35.2
Laborers, except farm	59	3 284	159	202	389	398	385	696	643	186	175	51	36.6
Construction laborers	–	284	–	8	8	44	34	81	71	11	22	5	40.9
Freight, stock, and material handlers	15	794	94	97	81	84	114	126	138	13	39	8	31.8
Other laborers, except farm	44	2 206	65	97	300	270	237	489	434	162	114	38	37.7
Manufacturing industries	6	1 201	12	46	163	145	125	281	264	99	55	11	38.9
Farmers and farm managers	–	140	6	–	24	26	–	29	18	9	5	23	39.8
Farm laborers and farm foremen	–	79	–	20	20	5	6	15	–	6	–	7	...
Service workers, except private household[1]	48	2 360	163	186	336	207	195	484	355	147	136	151	36.9
Cleaning service workers	3	762	24	63	74	29	37	140	151	68	76	100	45.9
Food service workers	19	454	94	33	58	48	35	79	72	20	10	5	29.4
Health service workers	6	187	11	25	31	13	33	50	21	–	3	–	32.0
Personal service workers	4	249	18	17	23	23	13	72	31	17	19	16	39.2
Protective service workers	6	192	–	–	32	20	27	61	21	17	7	7	37.8
Private household workers	8	31	11	–	–	–	–	15	–	5	–	–	...
Female employed	**179**	**18 076**	**468**	**785**	**3 046**	**2 542**	**2 564**	**4 408**	**2 612**	**849**	**478**	**324**	**34.3**
Professional, technical, and kindred workers	16	1 756	34	55	184	245	395	517	227	60	25	14	34.6
Registered nurses	–	139	–	5	10	5	18	49	31	4	11	6	41.4
Health workers, except nurses	–	216	–	6	11	52	51	79	8	5	–	4	33.8
Teachers, elementary and secondary schools	–	658	6	–	57	113	189	206	82	5	–	–	34.0
Technicians, except health	–	43	–	7	17	5	5	9	–	–	–	–	...
Other professional, technical, and kindred workers	16	700	28	37	89	70	132	174	106	46	14	4	34.8
Managers and administrators, except farm	–	134	–	4	–	22	25	57	17	–	4	5	37.8
Salaried	–	107	–	4	–	16	25	53	5	–	4	–	36.6
Self-employed	–	27	–	–	–	6	–	4	12	–	–	5	...
Sales workers	7	470	35	50	104	56	48	81	47	24	13	12	29.1
Retail trade	7	315	35	41	69	38	23	48	44	8	5	4	26.6
Clerical and kindred workers	22	3 908	151	414	1 219	643	399	715	278	47	28	14	26.3
Bookkeepers and cashiers	5	339	21	29	87	88	26	63	20	5	–	–	26.8
Office machine operators	–	395	–	27	139	99	38	71	17	–	–	4	26.6
Secretaries, stenographers, and typists	–	825	36	96	359	125	94	64	34	3	9	5	23.9
Other clerical and kindred workers	17	2 349	94	262	634	331	241	517	207	39	19	5	27.8
Craftsmen and kindred workers	4	303	–	5	56	67	36	90	25	20	4	–	33.3
Operatives, except transport	6	4 053	28	58	620	713	621	1 101	580	177	72	83	34.9
Sewers and stitchers	–	255	–	–	32	53	40	105	15	10	–	–	35.2
Laundry and drycleaning operatives, including ironers	6	535	9	12	24	79	53	170	104	49	9	26	40.3
Other operatives, except transport	–	3 263	19	46	564	581	528	826	461	118	63	57	34.0
Durable goods, manufacturing	–	1 686	13	18	298	354	288	412	198	50	22	33	32.8
Nondurable goods, including not specified manufacturing	–	986	2	21	178	177	166	224	111	48	41	18	33.5
Nonmanufacturing industries	–	591	4	7	88	50	74	190	152	20	–	6	38.8
Transport equipment operatives	4	77	–	–	9	10	14	19	20	5	–	–	...
Laborers, except farm	20	335	5	26	61	36	48	108	25	10	16	–	34.1
Farmers and farm managers	–	59	–	–	10	10	–	25	9	–	–	5	...
Farm laborers and farm foremen	–	63	–	4	15	18	4	8	–	9	–	5	...
Service workers, except private household[1]	80	5 889	204	154	728	651	881	1 486	1 128	356	188	113	37.2
Cleaning service workers	–	1 217	30	10	84	71	97	321	305	190	83	26	44.9
Food service workers	4	1 097	81	35	122	79	146	294	223	45	37	35	37.9
Health service workers	–	2 251	59	74	356	289	430	587	346	52	38	20	34.0
Practical nurses	–	200	–	–	21	19	55	59	36	5	5	–	35.8
Personal service workers	5	369	4	–	22	38	57	100	120	23	–	5	41.4
Protective service workers	–	47	–	–	8	–	17	4	11	7	–	–	...
Private household workers	20	1 029	11	15	40	71	93	201	256	141	128	73	48.3

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE—Continued

Persons of Spanish Language

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	78	8 840	200	362	1 423	1 622	1 472	2 004	1 264	162	240	91	32.8
Professional, technical, and kindred workers	–	1 054	–	6	156	283	210	242	115	–	15	27	32.0
Engineers	–	127	–	–	–	30	21	36	40	–	–	–	38.5
Lawyers and judges	–	11	–	–	–	–	–	6	5	–	–	–	...
Life and physical scientists	–	48	–	–	7	17	12	12	–	–	–	–	...
Physicians, dentists, and related practitioners	–	135	–	–	–	7	19	71	15	–	7	16	40.8
Health workers, except practitioners	–	37	–	–	5	13	14	5	–	–	–	–	...
Social and recreation workers	–	37	–	–	7	7	16	7	–	–	–	–	...
Teachers	–	276	–	–	21	104	65	53	29	–	–	4	31.0
Technicians, except health	–	87	–	6	26	21	30	4	–	–	–	–	...
Writers, artists, and entertainers	–	67	–	–	25	12	8	15	–	–	–	7	...
Other professional, technical, and kindred workers	–	229	–	–	65	72	25	33	26	–	8	–	28.4
Managers and administrators, except farm	–	420	–	14	27	56	56	105	138	11	6	7	40.4
Salaried	–	324	–	14	27	56	41	90	78	11	–	7	37.7
Manufacturing	–	111	–	6	–	6	6	37	45	11	–	–	45.1
Retail trade	–	56	–	8	17	25	6	–	–	–	–	–	...
All other industries	–	157	–	–	10	25	29	53	33	–	–	7	37.7
Self-employed	–	96	–	–	–	–	15	15	60	–	6	–	...
Retail trade	–	75	–	–	–	–	15	15	39	–	6	–	...
All other industries	–	21	–	–	–	–	–	–	21	–	–	–	...
Sales workers	31	340	–	6	53	91	45	45	58	13	9	20	32.2
Manufacturing and wholesale trade	31	122	–	–	14	47	12	24	25	–	–	–	30.0
Retail trade	–	129	–	6	10	18	22	14	17	13	9	20	41.1
All other industries	–	89	–	–	29	26	11	7	16	–	–	–	...
Clerical and kindred workers	9	513	8	21	113	106	92	116	51	–	6	–	30.5
Bookkeepers and billing clerks	–	8	–	–	–	8	–	–	–	–	–	–	...
Mail handlers and postal clerks	–	74	–	5	11	7	20	23	8	–	–	–	...
Other clerical and kindred workers	9	431	8	16	102	91	72	93	43	–	6	–	29.9
Craftsmen and kindred workers	–	1 608	9	35	194	285	307	418	256	12	62	30	34.6
Carpenters	–	30	–	–	6	–	6	–	12	–	6	–	...
Construction craftsmen, except carpenters	–	265	–	5	28	27	70	74	46	–	9	6	35.3
Automobile mechanics, including body repairmen	–	114	–	8	6	20	–	54	26	–	–	–	39.3
Mechanics and repairmen, except auto	–	179	–	8	44	42	43	10	32	–	–	–	29.5
Machinists	–	175	–	6	38	37	15	68	11	–	–	–	32.2
Metal craftsmen, except mechanics and machinists	–	262	–	5	15	49	40	67	42	–	20	24	38.3
Foremen, n.e.c.	–	194	–	–	–	38	61	49	21	12	13	–	34.8
Other craftsmen and kindred workers	–	389	9	3	57	72	72	96	66	–	14	–	33.7
Operatives, except transport	21	2 960	41	109	568	530	520	648	396	66	82	–	32.2
Assemblers	–	312	–	8	83	79	37	59	40	6	–	–	29.1
Garage workers and gas station attendants	–	24	–	17	–	–	–	7	–	–	–	–	...
Laundry and drycleaning operatives, including ironers	–	13	–	–	8	–	–	5	–	–	–	–	...
Precision machine operatives	–	366	–	8	45	92	90	80	42	–	9	–	32.1
Other operatives, except transport	21	2 245	41	76	432	359	393	497	314	60	73	–	32.7
Durable goods, manufacturing	13	1 375	5	63	258	223	200	363	187	39	37	–	33.5
Nondurable goods, including not specified manufacturing	8	678	20	6	152	91	159	115	90	21	24	–	32.2
Nonmanufacturing industries	–	192	16	7	22	45	34	19	37	–	12	–	30.9
Transport equipment operatives	–	431	8	20	64	62	45	188	39	–	5	–	35.9
Truck drivers	–	180	8	–	30	15	25	80	17	–	5	–	36.5
Other transport equipment operatives	–	251	–	20	34	47	20	108	22	–	–	–	35.4
Laborers, except farm	10	699	30	59	103	103	95	159	104	27	19	–	32.9
Construction laborers	–	32	–	–	9	6	–	9	4	4	–	–	...
Freight, stock, and material handlers	5	168	12	22	28	30	33	27	16	–	–	–	28.7
Other laborers, except farm	5	499	18	37	66	67	62	123	84	23	19	–	35.0
Manufacturing industries	–	368	7	16	47	53	46	92	71	17	19	–	36.6
Farmers and farm managers	–	26	–	–	7	–	6	–	13	–	–	–	...
Farm laborers and farm foremen	–	153	5	18	32	13	20	23	28	8	6	–	32.1
Service workers, except private household[1]	7	625	99	74	95	93	76	60	66	25	30	7	27.4
Cleaning service workers	7	269	12	35	58	26	39	20	32	23	24	–	30.4
Food service workers	–	165	65	14	17	20	16	10	16	–	–	7	21.0
Health service workers	–	18	6	–	6	–	–	–	–	–	6	–	...
Personal service workers	–	72	16	11	–	33	6	6	–	–	–	–	...
Protective service workers	–	74	–	8	14	14	15	17	6	–	–	–	...
Private household workers	–	11	–	–	11	–	–	–	–	–	–	–	...
Female employed	57	4 203	125	314	984	718	474	902	461	107	45	73	29.7
Professional, technical, and kindred workers	6	537	6	–	130	92	103	125	50	15	–	16	32.0
Registered nurses	–	99	–	–	25	–	17	32	14	–	–	11	...
Health workers, except nurses	–	20	6	–	6	–	–	–	–	8	–	–	...
Teachers, elementary and secondary schools	–	188	–	–	39	50	47	40	7	–	–	5	30.5
Technicians, except health	–	40	–	–	33	7	–	–	–	–	–	–	...
Other professional, technical, and kindred workers	6	190	–	–	27	35	39	53	29	7	–	–	34.2
Managers and administrators, except farm	–	103	–	–	12	29	5	19	26	–	6	6	37.9
Salaried	–	92	–	–	12	29	5	19	21	–	6	–	...
Self-employed	–	11	–	–	–	–	–	–	5	–	–	6	...
Sales workers	–	192	15	32	52	16	–	41	15	13	–	8	24.7
Retail trade	–	164	15	32	34	6	–	41	15	13	–	8	25.8
Clerical and kindred workers	6	1 135	22	145	338	197	74	197	116	25	15	6	26.6
Bookkeepers and cashiers	–	145	12	29	42	22	–	19	6	9	–	6	23.8
Office machine operators	–	71	–	–	33	17	–	14	7	–	–	–	...
Secretaries, stenographers, and typists	–	324	4	39	114	52	43	45	27	–	–	–	25.5
Other clerical and kindred workers	6	595	6	77	149	106	31	119	76	16	15	–	28.1
Craftsmen and kindred workers	–	81	–	–	44	5	7	13	5	–	7	–	...
Operatives, except transport	–	1 027	6	37	181	217	155	288	101	17	7	18	32.3
Sewers and stitchers	–	122	–	–	7	26	9	48	32	–	–	–	39.0
Laundry and drycleaning operatives, including ironers	–	37	–	22	–	–	–	11	4	–	–	–	...
Other operatives, except transport	–	868	6	15	174	191	146	229	65	17	7	18	31.6
Durable goods, manufacturing	–	542	–	9	141	126	98	107	38	8	–	15	29.8
Nondurable goods, including not specified manufacturing	–	249	6	–	33	51	41	86	22	–	7	3	34.2
Nonmanufacturing industries	–	77	–	6	–	14	7	36	5	9	–	–	...
Transport equipment operatives	–	6	–	–	–	–	–	6	–	–	–	–	...
Laborers, except farm	–	87	7	14	12	20	5	15	7	–	–	7	...
Farmers and farm managers	–	–	–	–	–	–	–	–	–	–	–	–	–
Farm laborers and farm foremen	–	37	–	–	9	13	–	7	8	–	–	–	...
Service workers, except private household[1]	34	926	54	74	206	123	125	184	124	25	6	5	30.2
Cleaning service workers	–	211	14	–	27	35	7	58	51	13	6	–	38.9
Food service workers	12	212	6	26	41	35	39	25	34	6	–	–	29.7
Health service workers	7	297	17	37	72	28	48	66	18	6	–	5	29.0
Practical nurses	–	29	–	–	–	17	7	–	–	–	–	5	...
Personal service workers	–	105	17	6	21	15	23	16	7	–	–	–	27.8
Protective service workers	–	9	–	–	–	–	–	–	9	–	–	–	...
Private household workers	11	72	15	12	–	6	–	7	9	12	4	7	...

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
APPLETON–OSHKOSH SMSA													
Total													
Male employed	1 203	66 701	2 367	3 250	7 524	8 105	7 043	13 774	12 716	5 360	3 997	2 565	38.7
Professional, technical, and kindred workers	12	8 062	30	106	931	1 484	1 199	2 061	1 226	434	409	182	36.4
Accountants	–	602	–	5	66	93	66	150	114	60	32	16	39.7
Architects	–	28	–	–	–	–	5	14	5	–	–	4	...
Computer specialists	–	212	–	–	61	57	29	54	5	6	–	–	28.9
Engineers	–	1 273	–	–	48	191	199	428	270	59	64	14	39.6
Aeronautical and astronautical	–	3	–	–	–	3	–	–	–	–	–	–	...
Civil	–	141	–	–	4	29	16	51	21	6	11	3	39.2
Electrical and electronic	–	109	–	–	–	14	10	36	41	4	4	–	43.5
Mechanical	–	278	–	–	10	31	34	81	84	15	17	6	42.9
Other engineers	–	742	–	–	34	114	139	260	124	34	32	5	38.2
Lawyers and judges	–	173	–	–	–	15	5	74	25	14	23	17	44.0
Life and physical scientists	–	190	–	5	14	19	24	44	22	19	26	17	42.5
Chemists	–	146	–	–	9	16	24	33	17	19	11	17	42.3
Physicians, dentists, and related practitioners	–	551	–	–	15	37	58	159	170	40	41	31	45.4
Dentists	–	121	–	–	–	10	12	41	49	–	–	9	44.4
Pharmacists	–	95	–	–	15	9	4	22	20	–	15	10	...
Physicians, medical and osteopathic	–	241	–	–	–	–	33	62	74	34	26	12	48.4
Other related practitioners	–	94	–	–	–	18	9	34	27	6	–	–	...
Health technologists and technicians	–	84	7	–	11	9	12	15	30	–	–	–	...
Religious workers	–	254	–	–	10	10	35	54	39	36	40	30	49.6
Social scientists	–	120	–	–	18	46	17	6	24	–	–	9	29.6
Social and recreation workers	–	157	–	–	40	28	14	39	21	7	5	3	33.8
Teachers	–	1 855	6	23	145	533	357	456	189	62	66	18	33.1
College and university	–	664	–	13	–	128	139	232	86	31	23	12	37.2
Elementary and prekindergarten	–	308	–	5	33	113	49	60	36	–	6	6	30.3
Secondary	–	822	–	–	100	279	154	154	67	31	37	–	31.0
Engineering and science technicians	–	962	5	16	236	217	159	174	79	32	35	9	30.2
Draftsmen and surveyors	–	374	5	10	114	90	60	56	16	5	14	4	28.2
Electrical and electronic engineering technicians	–	91	–	–	28	38	19	6	–	–	–	–	...
Technicians, except health, and engineering and science	–	136	–	–	14	36	32	34	20	–	–	–	32.8
Airplane pilots	–	64	–	–	6	26	14	18	–	–	–	–	...
Writers, artists, and entertainers	5	597	12	34	109	70	91	132	87	26	36	–	34.0
Other professional, technical, and kindred workers	7	868	–	23	144	123	96	228	126	73	41	14	37.1
Managers and administrators, except farm	6	6 256	18	36	328	644	580	1 670	1 566	668	433	313	44.1
Buyers, purchasing agents, and sales managers	–	901	6	17	70	112	76	239	205	125	43	8	42.1
School administrators	–	149	–	–	–	9	20	63	30	21	–	6	42.2
Specified managers and administrators, public administration	–	270	–	–	12	21	5	68	90	22	24	28	48.2
Other specified managers and administrators	6	942	4	8	75	175	95	233	187	41	59	65	39.9
Managers and administrators, n.e.c., salaried	–	3 134	8	11	160	265	322	848	853	338	203	126	44.4
Manufacturing	–	1 138	–	–	25	61	83	304	433	141	67	24	47.2
Wholesale and retail trade	–	982	8	–	96	125	143	236	165	101	61	47	40.0
Transportation, communications, and other public utilities	–	239	–	–	4	16	14	94	59	18	29	5	44.1
All other industries	–	775	–	11	35	63	82	214	196	78	46	50	44.2
Managers and administrators, n.e.c., self-employed	–	860	–	–	11	62	62	219	201	121	104	80	48.8
Construction	–	195	–	–	6	26	19	67	47	11	15	4	41.9
Manufacturing	–	59	–	–	–	–	–	10	29	5	10	5	...
Wholesale and retail trade	–	438	–	–	5	26	35	89	95	67	67	54	51.7
All other industries	–	168	–	–	–	10	8	53	30	38	12	17	49.3
Sales workers	579	4 074	178	179	407	518	429	828	784	255	221	275	38.9
Insurance agents, brokers, and underwriters	7	586	–	–	63	111	67	135	79	42	30	59	38.9
Real estate agents and brokers	–	178	–	–	7	4	18	40	60	5	22	22	48.3
Sales representatives, manufacturing industries	–	748	–	–	39	89	98	219	154	58	31	60	41.8
Sales representatives, wholesale trade	–	657	–	6	36	93	104	141	181	34	40	22	41.3
Sales clerks, retail trade	–	762	30	96	127	96	43	87	139	52	28	64	33.7
Salesmen, retail trade	–	512	6	9	81	64	41	86	107	44	49	25	41.4
Salesmen of services and construction	5	180	–	–	12	29	33	54	29	8	6	9	38.0
Other sales workers	567	451	142	68	42	32	25	66	35	12	15	14	21.8
Clerical and kindred workers	14	4 060	115	184	581	452	428	780	841	306	241	132	38.5
Bank tellers and cashiers	4	82	24	11	16	5	6	20	–	–	–	–	...
Bookkeepers and billing clerks	–	301	4	–	31	11	24	74	64	22	39	32	46.0
Mail handlers and postal clerks	–	521	10	14	38	41	36	153	145	56	17	11	42.9
Other clerical and kindred workers	10	3 156	77	159	496	395	362	533	632	228	185	89	36.7
Craftsmen and kindred workers	31	13 943	147	431	1 372	1 791	1 713	3 335	2 831	1 208	794	321	39.6
Apparel craftsmen and upholsterers	–	62	4	12	7	–	9	15	–	5	–	10	...
Bakers	–	82	–	11	14	10	13	20	–	5	3	6	...
Cabinetmakers	–	67	–	5	6	7	–	4	15	–	14	16	...
Construction craftsmen	–	3 485	17	112	254	434	496	868	745	235	208	116	39.9
Carpenters	–	1 038	–	11	62	118	128	249	248	100	66	56	43.0
Excavating, grading, and road machine operators	–	341	7	14	30	51	36	104	44	16	25	14	38.1
Electricians	–	682	–	24	62	100	75	183	135	55	42	6	39.4
Masons and tile setters	–	295	–	14	21	43	55	91	58	–	4	9	36.6
Painters, construction and maintenance, and paperhangers	–	296	5	14	25	32	31	59	73	25	19	13	41.9
Plasterers and cement finishers	–	129	–	10	6	6	28	33	20	5	15	6	39.4
Plumbers and pipe fitters	–	480	–	5	24	52	111	104	118	34	32	–	39.6
Other construction craftsmen	–	224	5	20	24	32	32	45	49	–	5	12	34.8
Foremen, n.e.c.	6	2 272	5	11	67	117	212	678	671	307	163	41	45.7
Manufacturing	6	1 576	–	–	38	78	132	473	495	224	109	27	46.4
Nonmanufacturing industries	–	696	5	11	29	39	80	205	176	83	54	14	44.0
Linemen and servicemen, telephone and power	–	422	–	–	99	123	48	76	60	11	5	–	29.6
Locomotive engineers and firemen	–	39	–	–	–	–	–	12	21	–	6	–	...
Mechanics and repairmen	4	2 867	79	148	373	410	344	589	471	256	148	49	36.3
Air conditioning, heating, and refrigeration	–	113	–	4	9	20	5	42	27	–	–	6	39.4
Aircraft	–	24	–	–	5	5	–	14	–	–	–	–	...
Automobile, including body	–	1 255	48	105	191	199	162	212	202	67	52	17	32.6
Radio and television	–	106	4	–	13	21	11	24	11	9	7	6	36.7
Other mechanics and repairmen	4	1 369	27	39	155	165	166	297	231	180	89	20	39.5
Metal craftsmen, except mechanics	6	2 078	16	38	235	312	233	467	435	178	131	33	39.4
Machinists and job and die setters	6	787	6	12	117	114	83	130	160	85	57	23	39.7
Sheetmetal workers and tinsmiths	–	283	–	6	13	44	56	84	51	4	25	–	37.7
Tool and die makers	–	168	–	–	15	8	15	48	52	30	–	–	44.6
Other metal craftsmen	–	840	10	20	90	146	79	205	172	59	49	10	38.7
Printing craftsmen	–	1 172	5	25	140	184	180	339	139	118	32	10	36.5
Compositors and typesetters	–	354	5	–	37	42	58	109	30	41	28	4	38.2
Pressmen and plate printers, printing	–	599	–	21	94	99	96	172	56	57	4	–	34.5
Stationary engineers and power station operators	–	223	–	–	6	9	43	42	62	46	15	–	46.9
Other craftsmen and kindred workers	15	1 174	21	69	171	185	135	225	212	47	69	40	35.3

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

APPLETON–OSHKOSH SMSA—Continued

Total—Continued

Male employed—Continued

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Operatives, except transport	86	13 369	379	1 049	1 896	1 782	1 340	2 386	2 442	1 207	660	228	36.0
Assemblers	–	955	5	90	159	153	134	154	179	46	26	9	32.6
Checkers, examiners, and inspectors; manufacturing	–	412	–	19	26	23	39	92	120	46	35	12	45.6
Garage workers and gas station attendants	37	475	208	119	81	14	5	7	12	7	11	11	18.5
Laundry and drycleaning operatives, n.e.c	–	96	13	19	11	9	–	21	15	–	8	–	...
Meat cutters and butchers	–	229	4	18	29	42	20	14	45	16	31	10	36.1
Mine operatives, n.e.c	–	25	–	–	5	4	–	4	–	7	5	–	...
Packers and wrappers, except produce	8	429	15	46	75	58	40	51	59	35	24	26	32.6
Painters, manufactured articles	–	154	–	23	28	18	26	18	26	11	4	–	31.5
Precision machine operatives	10	1 051	8	85	138	170	167	155	169	87	56	16	33.7
Sawyers	–	122	–	9	31	6	17	8	15	23	9	4	34.4
Stationary firemen	–	195	–	5	16	16	–	57	42	29	13	17	45.8
Textile operatives	5	138	5	5	14	16	25	29	22	13	5	4	36.4
Welders and flamecutters	–	665	14	36	88	128	54	116	110	63	49	7	36.1
Other metalworking operatives	–	549	5	39	82	57	18	104	102	77	46	19	42.1
Other specified operatives	18	1 950	37	118	280	296	191	368	394	153	72	41	36.4
Miscellaneous and not specified operatives	8	5 924	65	418	833	772	604	1 188	1 132	594	266	52	37.3
Occupation:													
Machine operatives, miscellaneous specified	5	3 016	30	194	294	363	336	717	601	313	141	27	39.1
Machine operatives, not specified	3	1 173	4	67	201	165	123	195	245	105	59	9	36.4
Miscellaneous operatives	–	872	27	90	171	114	56	135	139	88	47	5	33.0
Not specified operatives	–	863	4	67	167	130	89	141	147	88	19	11	33.6
Industry:													
Manufacturing	8	5 514	55	373	799	730	567	1 122	996	568	257	47	37.1
Durable goods	3	1 604	21	106	194	233	166	304	277	185	108	10	37.7
Wood products, including furniture	–	269	12	27	15	23	9	24	49	55	50	5	50.0
Primary metal industries	–	432	–	38	47	71	31	98	72	55	20	–	38.0
Fabricated metal industries	–	227	5	12	38	42	15	36	38	26	10	5	35.4
Machinery, including electrical	3	479	4	29	65	63	65	123	83	31	16	–	36.1
Motor vehicles and equipment	–	121	–	–	17	20	28	23	28	–	5	–	34.2
Transportation equipment, except motor vehicles	–	4	–	–	–	–	–	–	–	–	4	–	...
Other durable goods	–	72	–	–	12	14	18	–	7	18	3	–	...
Nondurable goods	5	3 886	34	267	601	489	396	811	719	383	149	37	36.9
Food and kindred products	5	340	20	20	42	42	30	74	27	60	20	5	37.2
Apparel and other fabricated textile products	–	19	–	–	8	–	–	6	5	–	–	–	...
Paper and allied products	–	3 152	–	196	445	399	334	685	653	292	120	28	37.9
Chemicals and allied products	–	28	–	–	5	–	–	5	7	11	–	–	...
Other nondurable goods	–	347	14	51	101	48	32	41	27	20	9	4	25.8
Not specified manufacturing industries	–	24	–	–	4	8	5	7	–	–	–	–	...
Nonmanufacturing industries	–	410	10	45	34	42	37	66	136	26	9	5	40.6
Transportation, communications, and other public utilities	–	65	–	23	4	–	4	5	13	16	–	–	...
Wholesale and retail trade	–	229	10	22	24	11	15	46	82	5	9	5	42.1
All other industries	–	116	–	–	6	31	18	15	41	5	–	–	37.0
Transport equipment operatives	12	3 636	72	141	484	401	420	875	755	199	201	88	38.4
Bus drivers	–	109	–	–	11	5	–	22	26	9	12	24	51.3
Taxicab drivers and chauffeurs	–	123	–	10	21	4	14	11	34	6	–	23	45.4
Truck drivers and deliverymen	12	2 514	67	95	297	291	323	666	500	121	132	22	37.8
Other transport equipment operatives	–	890	5	36	155	101	83	176	195	63	57	19	38.7
Laborers, except farm	118	3 850	591	476	631	421	284	472	411	233	171	160	27.7
Construction laborers	4	563	39	36	120	79	67	90	69	36	10	17	30.6
Freight, stock, and material handlers	47	1 489	312	216	210	156	128	153	124	91	55	44	25.2
Other specified laborers	50	711	132	119	93	64	19	99	77	27	27	54	25.9
Miscellaneous and not specified laborers	17	1 087	108	105	208	122	70	130	141	79	79	45	30.0
Occupation:													
Miscellaneous laborers	–	280	–	35	54	27	37	34	45	27	12	9	33.2
Not specified laborers	17	807	108	70	154	95	33	96	96	52	67	36	28.8
Industry:													
Manufacturing	–	777	39	73	176	80	55	96	110	66	68	14	31.9
Durable goods	–	458	27	45	109	53	12	54	79	33	42	4	29.5
Wood products, including furniture	–	64	8	10	9	10	–	–	7	4	16	–	...
Metal industries	–	245	–	28	85	19	5	30	34	20	20	4	27.5
Machinery, including electrical	–	86	14	–	15	5	4	13	20	9	6	–	...
Transportation equipment	–	32	5	7	–	13	3	–	4	–	–	–	...
Other durable goods	–	31	–	–	–	6	–	11	14	–	–	–	...
Nondurable goods	–	319	12	28	67	27	43	42	31	33	26	10	33.0
Food and kindred products	–	89	8	12	15	5	10	5	10	11	13	–	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	17	310	69	32	32	42	15	34	31	13	11	31	27.6
Railroads and railway express service	–	45	–	–	–	–	15	4	12	8	6	–	...
Transportation, except railroads	6	4	–	–	–	4	–	–	–	–	–	–	...
Communications, and utilities and sanitary services	–	14	–	–	–	5	–	–	5	–	–	4	...
Wholesale and retail trade	5	109	39	11	16	15	–	13	5	–	–	10	21.4
All other industries	6	138	30	21	16	18	–	17	9	5	5	17	25.6
Farmers and farm managers	6	3 549	15	37	116	223	249	679	1 026	380	404	420	49.4
Farm laborers and farm foremen	203	1 034	255	188	207	68	39	87	55	34	32	69	21.8
Paid farm laborers and farm foremen	73	750	160	116	156	41	34	82	50	25	32	54	23.2
Unpaid family workers	130	284	95	72	51	27	5	5	5	9	–	15	19.3
Service workers, except private household[1]	120	4 857	561	423	571	321	362	601	774	436	431	377	38.2
Cleaning service workers	55	1 730	146	121	101	69	79	177	312	223	267	235	50.5
Food service workers	46	1 343	353	213	229	65	74	123	134	69	48	35	22.3
Cooks, except private household	–	338	92	73	67	13	21	29	16	10	10	7	20.3
Busboys and dishwashers	15	263	158	64	36	–	–	–	–	–	–	5	17.7
Health service workers	–	267	6	27	93	15	13	41	44	17	9	2	27.5
Personal service workers	5	370	51	47	53	27	20	30	27	48	36	31	31.8
Protective service workers	–	966	–	9	59	129	153	195	232	73	71	45	41.8
Firemen, fire protection	–	243	–	–	19	59	61	34	45	15	10	–	33.6
Guards and watchmen	–	285	–	9	18	15	16	37	82	43	56	9	50.8
Policemen and detectives	–	399	–	–	22	55	76	124	94	15	–	13	38.8
Private household workers	16	11	6	–	–	–	–	–	5	–	–	–	...

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

APPLETON–OSHKOSH SMSA—Continued

Total—Continued

	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Female employed	510	37 734	1 470	2 947	6 849	3 612	3 028	6 535	7 017	2 917	2 061	1 298	36.5
Professional, technical, and kindred workers	–	5 714	29	156	1 158	915	658	1 009	936	401	298	154	34.6
Accountants	–	271	–	13	73	20	40	34	60	21	10	–	33.7
Computer specialists	–	25	–	–	25	–	–	–	–	–	–	–	...
Librarians	–	141	–	21	16	10	5	23	38	10	13	5	43.0
Mathematical specialists	–	20	–	–	11	–	–	–	4	–	5	–	...
Life and physical scientists	–	15	–	–	4	–	5	6	–	–	–	–	...
Registered nurses, dietitians, and therapists	–	1 045	4	–	158	159	172	171	196	99	48	38	36.7
Dietitians	–	49	4	–	4	5	6	–	11	7	4	8	...
Registered nurses	–	918	–	–	128	139	155	160	170	92	44	30	37.3
Health technologists and technicians	–	249	–	16	84	45	25	29	39	11	–	–	27.7
Social scientists	–	13	–	–	–	–	9	4	–	–	–	–	...
Social and recreation workers	–	101	–	–	16	24	10	17	23	6	5	–	35.3
Teachers: College and university	–	274	–	20	48	27	34	64	55	21	–	5	36.3
Elementary and prekindergarten	–	1 683	–	–	364	331	144	297	262	131	134	20	35.1
Secondary	–	705	–	–	143	169	54	126	90	45	47	31	33.8
Other teachers	–	161	10	5	15	33	22	24	20	5	11	16	34.0
Engineering and science technicians	–	165	–	18	34	4	33	20	53	3	–	–	34.0
Technicians, except health, and engineering and science	–	29	–	–	10	–	5	–	9	5	–	–	...
Writers, artists, and entertainers	–	306	15	26	59	24	48	75	27	15	–	17	33.0
Actors and dancers	–	5	–	–	–	–	–	–	–	5	–	–	...
Authors, editors, and reporters	–	83	–	–	18	–	10	26	14	10	–	5	...
Other professional, technical, and kindred workers	–	511	–	37	98	69	52	119	60	29	25	22	35.0
Managers and administrators, except farm	–	913	6	18	70	61	84	170	233	109	115	47	47.0
Buyers, purchasing agents, and sales managers	–	108	–	–	15	13	4	15	23	14	24	–	48.0
Restaurant, cafeteria, and bar managers	–	85	–	–	5	9	5	24	16	9	17	–	...
School administrators	–	69	–	–	–	–	10	7	29	5	12	6	...
Other specified managers and administrators	–	200	6	11	36	15	5	48	36	26	17	–	40.6
Managers and administrators, n.e.c., salaried	–	315	–	7	9	15	60	56	93	31	35	9	46.1
Wholesale and retail trade	–	97	–	–	–	5	8	29	37	4	14	–	...
Managers and administrators, n.e.c., self-employed	–	136	–	–	5	9	–	20	36	24	10	32	54.4
Wholesale and retail trade	–	70	–	–	–	4	–	–	26	13	5	22	...
Sales workers	47	2 983	167	274	272	231	185	485	689	310	215	155	42.5
Demonstrators, hucksters, and peddlers	–	135	–	6	27	39	20	24	14	5	–	–	29.4
Insurance, real estate agents, and brokers	–	92	–	8	8	5	22	25	16	4	4	–	...
Sales clerks, retail trade	16	2 285	124	228	188	144	122	329	578	255	181	136	45.1
Salesmen, retail trade	–	98	–	–	11	4	5	30	19	10	9	10	...
Other sales workers	31	373	43	32	38	39	16	77	62	36	21	9	37.4
Clerical and kindred workers	28	12 095	408	1 278	2 921	1 103	913	2 121	2 039	657	449	206	31.8
Bank tellers	–	231	5	24	92	15	6	57	26	6	–	–	24.7
Bookkeepers	5	1 314	–	73	224	93	99	228	313	127	120	37	42.4
Cashiers	8	938	173	144	157	77	52	95	146	63	26	5	24.8
Counter clerks, except food	–	223	6	32	26	14	31	71	32	5	–	6	35.4
Enumerators and interviewers	–	28	–	–	–	5	–	14	–	5	4	–	...
File clerks	–	161	14	37	36	24	–	26	12	8	4	–	24.1
Office machine operators	–	519	16	95	173	78	34	77	38	8	–	–	24.3
Bookkeeping and billing machine operators	–	103	9	16	13	18	10	26	11	–	–	–	28.8
Keypunch operators	–	278	7	47	125	49	14	27	9	–	–	–	23.4
Payroll and timekeeping clerks	–	126	–	10	30	20	10	6	24	26	–	–	31.5
Receptionists	–	541	24	87	133	32	31	74	98	16	28	18	29.1
Secretaries	11	2 964	35	227	745	296	300	590	510	109	98	54	33.0
Stenographers	–	195	–	19	40	23	25	41	30	–	11	6	33.1
Telephone operators	–	343	5	22	90	45	26	47	66	32	10	–	31.8
Typists	–	833	29	120	260	97	72	112	106	28	9	–	25.4
Other clerical and kindred workers	4	3 679	101	388	915	284	227	683	638	224	139	80	33.3
Craftsmen and kindred workers	–	706	3	23	99	101	24	141	154	99	34	28	42.3
Foremen, n.e.c.	–	190	–	5	21	10	4	33	66	35	10	6	48.3
Operatives, except transport	9	5 217	59	430	943	496	431	924	1 025	422	299	188	37.7
Assemblers	–	601	–	36	132	57	31	123	137	44	26	15	38.6
Bottling and canning operatives	–	21	–	–	–	–	–	21	–	–	–	–	...
Checkers, examiners, and inspectors; manufacturing	–	236	–	16	43	13	36	29	40	54	5	–	38.4
Dressmakers and seamstresses, except factory	–	145	7	7	10	15	4	18	20	17	12	35	50.8
Laundry and dry cleaning operatives, including ironers	–	273	6	5	43	13	19	46	90	24	21	6	45.5
Graders and sorters, manufacturing	–	105	–	–	29	15	10	15	23	–	13	–	34.3
Packers and wrappers, except produce	–	729	5	72	132	88	76	147	123	45	31	10	34.4
Sewers and stitchers	–	548	7	64	63	36	32	76	102	65	75	28	44.5
Textile operatives	5	426	–	53	60	45	38	79	106	23	16	6	37.2
Other specified operatives	–	798	15	64	139	52	70	149	143	62	42	62	39.0
Miscellaneous and not specified operatives	4	1 335	19	113	292	162	115	221	241	88	58	24	33.5
Manufacturing	4	1 176	11	113	268	145	85	185	218	78	47	26	33.0
Durable goods	4	491	–	45	89	71	42	79	128	15	14	8	34.8
Machinery, including electrical	–	57	–	9	15	5	–	18	5	–	5	–	...
Other durable goods	4	434	–	36	74	66	42	61	123	15	9	8	34.9
Nondurable goods, including not specified manufacturing	–	685	11	68	179	74	43	106	90	63	33	18	31.2
Food and kindred products	–	47	–	11	6	–	5	7	5	5	–	8	...
Apparel and other fabricated textile products	–	22	–	8	–	4	–	–	10	–	–	–	...
Nonmanufacturing industries	–	159	8	–	24	17	30	36	23	10	11	–	35.1
Transport equipment operatives	7	170	9	5	43	19	5	34	49	6	–	–	36.2
Laborers, except farm	4	425	26	24	77	45	32	92	54	32	13	30	35.9
Farmers and farm managers	6	273	6	–	5	4	45	54	82	38	8	31	47.7
Farm laborers and farm foremen	78	593	78	22	18	29	27	149	168	39	48	15	43.2
Paid farm laborers and farm foremen	42	144	29	16	12	11	–	24	37	5	4	6	36.7
Unpaid family workers	36	449	49	6	6	18	27	125	131	34	44	9	44.5
Service workers, except private household[1]	106	7 777	534	663	1 209	582	594	1 275	1 445	713	483	279	37.4
Cleaning service workers	25	970	53	22	75	15	36	150	197	192	141	89	51.8
Chambermaids and maids	4	220	14	12	36	5	15	36	28	45	18	11	42.8
Food service workers	39	3 508	372	395	452	226	320	603	549	291	198	102	34.8
Cooks, except private household	–	850	12	23	52	20	107	133	231	149	96	27	48.4
Waiters and food counter workers	33	1 769	270	265	327	154	161	260	180	63	54	35	25.7
Health service workers	–	2 038	57	134	479	177	148	354	442	142	89	16	35.7
Nursing aides, orderlies, and attendants	–	1 328	34	100	254	97	85	243	337	102	60	16	38.9
Practical nurses	–	387	–	14	139	55	49	68	34	11	17	–	28.7
Personal service workers	13	750	14	53	168	129	51	57	130	57	34	57	31.1
Hairdressers and cosmetologists	–	483	–	31	153	114	20	32	89	28	11	5	27.5
Private household workers	225	868	145	54	34	26	30	81	143	91	99	165	49.5
Private household workers, living in	–	84	5	4	5	6	–	–	25	4	10	25	...
Private household workers, living out	225	784	140	50	29	20	30	81	118	87	89	140	48.6

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

DULUTH-SUPERIOR, MINN.–WIS., SMSA

Total

	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	902	58 735	1 756	2 415	5 368	5 949	5 614	11 870	13 254	6 472	4 059	1 978	42.0
Professional, technical, and kindred workers	16	7 275	25	89	598	1 153	1 129	1 851	1 298	469	433	230	38.5
Accountants	–	509	–	10	44	62	79	108	88	73	37	8	40.5
Architects	–	38	–	–	5	9	–	–	18	–	6	–	...
Computer specialists	–	73	–	–	27	19	14	7	6	–	–	–	...
Engineers	–	934	6	–	39	99	109	284	242	62	67	26	42.5
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–	–	–
Civil	–	222	–	–	10	17	42	64	40	23	26	–	41.6
Electrical and electronic	–	161	–	–	11	27	16	54	48	5	–	–	39.9
Mechanical	–	169	–	–	–	21	20	45	43	5	14	21	44.7
Other engineers	–	382	6	–	18	34	31	121	111	29	27	5	43.4
Lawyers and judges	–	194	–	–	–	34	9	57	41	9	16	28	44.5
Life and physical scientists	–	232	–	–	13	34	22	71	64	9	10	9	41.6
Chemists	–	141	–	–	–	13	11	40	54	9	10	4	46.2
Physicians, dentists, and related practitioners	–	583	–	–	13	45	65	137	140	38	71	74	47.3
Dentists	–	124	–	–	5	–	28	23	27	–	11	30	47.2
Pharmacists	–	137	–	–	8	26	10	8	43	11	20	11	48.8
Physicians, medical and osteopathic	–	259	–	–	–	19	24	93	47	24	31	21	44.3
Other related practitioners	–	63	–	–	–	–	3	13	23	3	9	12	...
Health technologists and technicians	–	68	–	–	12	7	15	9	8	11	6	–	...
Religious workers	–	296	–	–	6	25	58	99	34	38	12	24	41.0
Social scientists	–	50	–	–	–	10	19	10	6	5	–	–	...
Social and recreation workers	–	201	–	6	14	42	22	50	41	16	4	6	38.3
Teachers	16	1 982	15	3	103	423	407	549	281	77	108	16	35.7
College and university	–	404	–	–	22	91	95	113	48	20	5	10	34.7
Elementary and prekindergarten	10	617	5	–	38	133	143	160	77	18	37	6	34.6
Secondary	6	863	6	–	37	163	149	271	151	24	62	–	37.8
Engineering and science technicians	–	722	–	29	114	159	104	164	91	32	23	6	32.8
Draftsmen and surveyors	–	355	–	19	69	76	43	67	52	15	8	6	31.6
Electrical and electronic engineering technicians	–	81	–	–	19	20	23	7	7	–	5	–	...
Technicians, except health, and engineering and science	–	123	–	–	11	22	25	18	16	9	15	7	36.9
Airplane pilots	–	14	–	–	–	5	5	4	–	–	–	–	...
Writers, artists, and entertainers	–	449	4	26	122	41	50	74	56	48	11	17	33.2
Other professional, technical, and kindred workers	–	821	–	15	75	122	131	214	166	42	47	9	38.2
Managers and administrators, except farm	4	6 386	10	43	314	497	592	1 527	1 758	785	539	321	46.2
Buyers, purchasing agents, and sales managers	4	673	–	5	46	93	79	154	185	70	22	19	42.4
School administrators	–	253	–	4	11	16	25	51	76	23	38	9	47.6
Specified managers and administrators, public administration	–	556	–	–	8	36	25	113	218	102	30	24	49.4
Other specified managers and administrators	–	1 469	7	15	77	151	127	320	355	213	159	45	46.1
Managers and administrators, n.e.c., salaried	–	2 617	3	19	166	176	303	664	688	256	201	141	44.7
Manufacturing	–	276	–	6	18	11	52	55	53	57	5	19	44.3
Wholesale and retail trade	–	1 127	3	–	100	89	128	244	318	108	91	46	45.0
Transportation, communications, and other public utilities	–	424	–	6	–	27	27	140	131	31	46	16	45.9
All other industries	–	790	–	7	48	49	96	225	186	60	59	60	43.7
Managers and administrators, n.e.c., self-employed	–	818	–	–	6	25	33	225	236	121	89	83	50.1
Construction	–	122	–	–	–	–	9	45	56	–	5	7	46.3
Manufacturing	–	53	–	–	–	–	–	21	16	16	–	–	...
Wholesale and retail trade	–	460	–	–	6	14	19	127	126	57	55	56	50.1
All other industries	–	183	–	–	–	11	5	32	38	48	29	20	55.6
Sales workers	457	3 180	173	141	246	393	296	574	642	330	180	205	40.9
Insurance agents, brokers, and underwriters	–	391	–	6	14	31	44	63	138	54	17	24	47.7
Real estate agents and brokers	–	82	–	–	–	–	–	11	25	22	5	19	...
Sales representatives, manufacturing industries	–	237	–	–	18	51	27	62	44	23	6	6	38.6
Sales representatives, wholesale trade	–	744	–	6	44	84	97	208	186	45	35	39	41.8
Sales clerks, retail trade	6	769	32	80	104	112	58	79	111	78	65	50	34.9
Salesmen, retail trade	–	395	5	20	28	40	16	84	72	51	47	32	45.6
Salesmen of services and construction	–	115	–	4	5	30	16	29	16	9	–	6	35.9
Other sales workers	451	447	136	25	33	45	38	38	50	48	5	29	28.3
Clerical and kindred workers	3	3 490	82	120	367	327	234	642	970	380	242	126	44.6
Bank tellers and cashiers	–	89	14	5	26	10	2	4	4	20	–	4	...
Bookkeepers and billing clerks	–	268	–	15	15	35	16	42	75	41	19	10	46.5
Mail handlers and postal clerks	–	503	6	–	53	36	28	123	177	51	21	8	45.3
Other clerical and kindred workers	3	2 630	62	100	273	246	188	473	714	268	202	104	44.4
Craftsmen and kindred workers	21	15 724	73	173	1 135	1 542	1 449	3 669	4 187	2 004	1 147	345	44.5
Apparel craftsmen and upholsterers	–	78	–	–	15	–	–	12	20	–	16	15	...
Bakers	–	110	–	–	16	24	15	15	24	10	6	–	35.0
Cabinetmakers	–	70	–	4	5	5	–	18	14	12	12	–	...
Construction craftsmen	4	3 990	13	53	289	396	357	946	1 118	494	215	109	44.4
Carpenters	–	727	–	6	40	75	61	171	222	73	34	45	45.5
Excavating, grading, and road machine operators	4	1 098	4	26	78	89	102	287	265	178	57	12	43.7
Electricians	–	984	4	6	87	155	78	195	292	94	59	14	43.3
Masons and tile setters	–	172	–	–	33	11	22	29	48	19	5	5	41.9
Painters, construction and maintenance, and paperhangers	–	293	–	10	32	29	10	55	72	47	20	18	46.5
Plasterers and cement finishers	–	61	–	–	4	–	5	26	26	–	–	–	...
Plumbers and pipe fitters	–	428	5	5	10	11	54	128	134	46	25	10	45.1
Other construction craftsmen	–	227	–	–	5	26	25	55	59	37	15	5	45.4
Foremen, n.e.c.	–	2 341	–	–	32	80	181	533	805	425	236	49	49.3
Manufacturing	–	562	–	–	13	26	99	118	172	56	49	29	46.5
Nonmanufacturing industries	–	1 779	–	–	19	54	82	415	633	369	187	20	50.0
Linemen and servicemen, telephone and power	–	563	–	–	65	160	61	129	90	30	23	5	34.6
Locomotive engineers and firemen	–	447	–	–	5	–	5	129	210	57	41	–	49.0
Mechanics and repairmen	7	4 190	42	61	344	463	439	1 048	959	523	278	33	42.1
Air conditioning, heating, and refrigeration	–	54	–	–	–	–	15	11	24	–	–	4	...
Aircraft	–	121	–	–	9	14	32	57	4	5	–	–	36.0
Automobile, including body	3	1 388	26	33	145	168	132	293	322	185	84	–	41.5
Radio and television	–	178	4	–	–	38	10	85	20	17	–	4	39.4
Other mechanics and repairmen	4	2 449	12	28	190	243	250	602	589	316	194	25	43.3
Metal craftsmen, except mechanics	–	1 376	–	12	129	143	121	314	326	203	94	34	44.0
Machinists and job and die setters	–	497	–	12	50	68	40	119	112	61	12	23	41.6
Sheetmetal workers and tinsmiths	–	206	–	–	33	34	19	55	25	31	9	–	38.1
Tool and die makers	–	47	–	–	–	5	17	6	5	14	–	–	...
Other metal craftsmen	–	626	–	–	46	36	45	134	184	97	73	11	47.8
Printing craftsmen	6	388	–	5	10	98	51	85	65	26	23	25	38.5
Compositors and typesetters	6	228	–	5	10	39	11	48	47	20	23	25	45.2
Pressmen and plate printers, printing	–	94	–	–	–	35	35	9	9	6	–	–	...
Stationary engineers and power station operators	–	480	–	–	17	4	54	83	179	70	69	4	49.6
Other craftsmen and kindred workers	4	1 691	18	38	208	169	165	357	377	154	134	71	41.9

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued

Total—Continued

Male employed—Continued

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Operatives, except transport	70	8 027	280	605	1 095	832	737	1 297	1 711	839	522	109	38.6
Assemblers	–	153	8	21	27	5	22	15	44	11	–	–	33.5
Checkers, examiners, and inspectors; manufacturing	–	93	–	–	19	6	15	15	21	12	5	–	...
Garage workers and gas station attendants	24	731	157	197	165	53	22	34	33	36	23	11	20.3
Laundry and drycleaning operatives, n.e.c	–	56	–	–	–	4	9	4	16	13	10	–	...
Meat cutters and butchers	–	270	11	–	21	28	51	76	57	13	6	7	38.2
Mine operatives, n.e.c	–	1 176	–	121	212	118	77	202	237	140	64	5	38.0
Packers and wrappers, except produce	5	166	31	23	5	18	–	49	14	11	10	5	36.2
Painters, manufactured articles	–	43	–	5	–	6	6	6	10	–	10	–	...
Precision machine operatives	–	260	–	22	25	30	14	31	78	32	22	6	46.0
Sawyers	4	54	–	–	21	8	5	9	5	6	–	–	...
Stationary firemen	–	192	–	–	12	10	15	59	25	37	34	–	45.0
Textile operatives	–	28	–	6	6	–	–	4	5	–	–	7	...
Welders and flamecutters	–	1 102	–	9	63	139	115	184	341	174	51	26	46.2
Other metalworking operatives	–	329	–	25	32	18	28	61	103	31	19	12	45.0
Other specified operatives	21	1 803	35	114	239	198	233	258	427	155	125	19	38.2
Miscellaneous and not specified operatives	16	1 571	38	62	248	191	125	290	295	168	143	11	39.2
Occupation:													
Machine operatives, miscellaneous specified	5	589	–	16	104	68	58	147	116	67	13	–	38.3
Machine operatives, not specified	–	386	–	–	46	50	24	82	90	38	49	7	43.9
Miscellaneous operatives	11	421	31	36	62	44	32	40	62	53	57	4	36.4
Not specified operatives	–	175	7	10	36	29	11	21	27	10	24	–	32.5
Industry:													
Manufacturing	–	1 040	18	47	176	159	93	190	175	107	71	4	36.4
Durable goods	–	737	13	28	147	117	56	112	122	67	71	4	35.7
Wood products, including furniture	–	81	–	–	17	4	4	33	19	4	–	–	...
Primary metal industries	–	307	–	19	44	44	41	35	34	34	52	4	36.6
Fabricated metal industries	–	129	–	–	32	40	6	15	17	9	10	–	29.1
Machinery, including electrical	–	104	–	–	39	23	5	5	13	10	9	–	27.8
Motor vehicles and equipment	–	–	–	–	–	–	–	–	–	–	–	–	–
Transportation equipment, except motor vehicles	–	26	6	–	4	6	–	–	5	5	–	–	...
Other durable goods	–	90	7	9	11	–	–	24	34	5	–	–	...
Nondurable goods	–	299	5	19	29	42	37	78	53	36	–	–	37.2
Food and kindred products	–	102	–	19	–	6	13	23	15	26	–	–	40.7
Apparel and other fabricated textile products	–	13	5	–	3	–	–	–	–	5	–	–	...
Paper and allied products	–	59	–	–	13	5	11	15	15	–	–	–	...
Chemicals and allied products	–	13	–	–	–	–	4	–	4	5	–	–	...
Other nondurable goods	–	112	–	–	13	31	9	40	19	–	–	–	35.8
Not specified manufacturing industries	–	4	–	–	–	–	–	–	–	4	–	–	...
Nonmanufacturing industries	16	531	20	15	72	32	32	100	120	61	72	7	44.5
Transportation, communications, and other public utilities	–	207	–	5	21	–	–	39	71	29	35	7	50.4
Wholesale and retail trade	11	178	16	5	36	8	6	25	39	28	15	–	42.2
All other industries	5	146	4	5	15	24	26	36	10	4	22	–	34.8
Transport equipment operatives	4	4 188	65	177	340	435	478	994	974	418	237	70	41.0
Bus drivers	–	344	–	–	20	52	18	51	100	55	41	7	48.1
Taxicab drivers and chauffeurs	4	126	–	7	17	14	17	16	30	6	4	15	40.0
Truck drivers and deliverymen	–	2 797	34	110	214	285	377	743	611	283	127	13	40.1
Other transport equipment operatives	–	921	31	60	89	84	66	184	233	74	65	35	42.1
Laborers, except farm	95	4 551	385	469	722	365	362	595	720	515	264	154	34.6
Construction laborers	–	676	23	50	102	45	63	133	123	79	49	9	39.1
Freight, stock, and material handlers	31	1 444	220	198	206	114	130	185	213	101	33	44	29.3
Other specified laborers	43	943	52	99	128	71	75	111	148	111	84	64	39.2
Miscellaneous and not specified laborers	21	1 488	90	122	286	135	94	166	236	224	98	37	36.0
Occupation:													
Miscellaneous laborers	11	622	14	13	106	59	38	74	134	119	43	22	45.5
Not specified laborers	10	866	76	109	180	76	56	92	102	105	55	15	29.5
Industry:													
Manufacturing	–	586	14	77	153	66	32	68	64	74	28	10	28.7
Durable goods	–	465	5	45	132	50	27	58	58	62	23	5	30.1
Wood products, including furniture	–	41	–	5	25	5	–	–	–	6	–	–	...
Metal industries	–	365	5	35	94	45	21	49	58	35	18	5	30.8
Machinery, including electrical	–	27	–	5	10	–	–	5	–	7	–	–	...
Transportation equipment	–	–	–	–	–	–	–	–	–	–	–	–	–
Other durable goods	–	32	–	–	3	–	6	4	–	14	5	–	...
Nondurable goods	–	121	9	32	21	16	5	10	6	12	5	5	24.6
Food and kindred products	–	56	5	13	9	6	–	–	6	12	5	–	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	21	902	76	45	133	69	62	98	172	150	70	27	41.7
Railroads and railway express service	–	315	4	–	15	13	15	51	66	100	40	11	54.0
Transportation, except railroads	–	18	–	–	–	–	5	7	–	–	6	–	...
Communications, and utilities and sanitary services	–	73	–	–	–	10	–	–	32	20	–	11	...
Wholesale and retail trade	5	210	31	24	57	6	22	16	40	10	4	–	24.4
All other industries	16	286	41	21	61	40	20	24	34	20	20	5	27.5
Farmers and farm managers	–	427	–	–	–	21	23	69	90	81	63	80	55.6
Farm laborers and farm foremen	55	206	47	29	27	5	10	5	38	30	–	15	25.0
Paid farm laborers and farm foremen	28	187	33	29	27	5	5	5	38	30	–	15	29.5
Unpaid family workers	27	19	14	–	–	–	5	–	–	–	–	–	...
Service workers, except private household[1]	164	5 242	612	555	524	379	300	647	866	621	428	310	38.9
Cleaning service workers	78	2 267	170	229	205	121	104	234	398	358	253	195	46.8
Food service workers	50	1 264	334	190	170	96	48	90	144	90	50	52	23.2
Cooks, except private household	9	358	90	62	68	11	13	43	30	23	7	11	22.0
Busboys and dishwashers	19	311	173	90	24	9	5	4	4	–	–	2	17.8
Health service workers	–	188	11	64	43	5	11	5	14	17	18	–	22.2
Personal service workers	–	374	82	24	59	34	20	57	18	28	32	20	28.2
Protective service workers	–	923	–	10	34	113	99	241	236	113	48	29	43.5
Firemen, fire protection	–	330	–	–	12	33	43	127	69	46	–	–	41.1
Guards and watchmen	–	236	–	10	10	12	4	51	57	49	26	17	50.4
Policemen and detectives	–	278	–	–	12	68	41	46	84	18	5	4	38.9
Private household workers	13	39	4	14	–	–	4	–	–	–	4	13	...

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued

Total—Continued

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Female employed	399	32 616	1 364	2 221	4 647	2 410	2 302	5 636	7 221	3 204	2 266	1 345	41.0
Professional, technical, and kindred workers	25	5 699	33	104	773	555	612	1 219	1 194	482	478	249	41.3
Accountants	–	167	–	5	20	–	19	33	32	33	–	25	47.0
Computer specialists	–	16	–	6	4	3	–	–	3	–	–	–	…
Librarians	–	111	–	–	16	5	20	19	33	9	4	5	42.6
Mathematical specialists	–	6	–	–	–	–	–	6	–	–	–	–	…
Life and physical scientists	–	32	–	–	5	5	11	5	–	–	6	–	…
Registered nurses, dietitians, and therapists	10	1 347	–	9	216	118	147	325	300	119	86	27	40.6
Dietitians	–	27	–	–	–	4	–	–	8	5	10	–	…
Registered nurses	10	1 246	–	9	212	110	140	302	265	114	67	27	40.0
Health technologists and technicians	–	390	–	22	93	26	70	62	99	12	6	–	33.9
Social scientists	–	12	–	–	–	5	–	–	–	7	–	–	…
Social and recreation workers	–	254	–	8	44	52	21	45	38	18	24	4	35.4
Teachers: College and university	–	241	4	–	43	9	22	80	61	11	6	5	40.3
Elementary and prekindergarten	5	1 516	–	–	138	186	154	331	283	172	203	49	43.5
Secondary	6	636	9	6	87	71	68	109	140	54	76	16	42.1
Other teachers	4	220	5	14	7	9	30	35	46	14	18	42	47.2
Engineering and science technicians	–	62	–	4	30	–	4	8	4	6	6	–	…
Technicians, except health, and engineering and science	–	20	–	–	–	–	4	11	5	–	–	–	…
Writers, artists, and entertainers	–	194	9	19	29	17	18	44	39	4	–	15	36.1
Actors and dancers	–	–	–	–	–	–	–	–	–	–	–	–	–
Authors, editors, and reporters	–	53	–	5	10	–	13	14	6	–	–	5	…
Other professional, technical, and kindred workers	–	475	6	11	41	49	24	106	111	23	43	61	45.0
Managers and administrators, except farm	–	1 239	–	4	74	65	70	243	335	173	177	98	49.9
Buyers, purchasing agents, and sales managers	–	157	–	–	11	6	9	36	44	24	22	5	48.8
Restaurant, cafeteria, and bar managers	–	148	–	–	–	14	10	34	44	26	16	4	48.6
School administrators	–	60	–	–	–	–	–	15	10	11	24	–	…
Other specified managers and administrators	–	242	–	–	33	18	10	30	57	31	43	20	50.3
Managers and administrators, n.e.c., salaried	–	437	–	4	30	16	27	85	119	63	57	36	49.7
Wholesale and retail trade	–	220	–	–	15	12	4	44	58	24	51	12	51.0
Managers and administrators, n.e.c., self-employed	–	195	–	–	–	11	14	43	61	18	15	33	49.8
Wholesale and retail trade	–	136	–	–	–	11	5	33	46	10	11	20	49.1
Sales workers	40	2 538	117	225	256	147	147	374	683	295	190	104	45.0
Demonstrators, hucksters, and peddlers	–	178	4	–	26	34	21	32	31	12	9	9	36.3
Insurance, real estate agents, and brokers	–	72	–	–	4	6	4	16	5	20	12	5	…
Sales clerks, retail trade	7	1 932	90	203	197	93	98	260	522	236	143	90	45.5
Salesmen, retail trade	–	50	5	–	–	–	–	13	25	7	–	–	…
Other sales workers	33	306	18	22	29	14	24	53	100	20	26	–	43.7
Clerical and kindred workers	14	10 178	273	846	1 970	826	721	1 739	2 147	893	454	309	37.6
Bank tellers	–	289	–	15	82	41	34	27	79	6	5	–	31.0
Bookkeepers	–	1 532	–	28	190	98	106	334	466	158	94	58	45.2
Cashiers	5	838	102	116	120	43	85	100	163	63	25	21	32.2
Counter clerks, except food	–	193	–	26	30	9	6	23	53	24	15	7	45.5
Enumerators and interviewers	–	147	–	–	5	10	18	53	41	5	15	–	42.6
File clerks	–	137	13	30	45	10	–	16	6	5	4	8	22.8
Office machine operators	–	250	–	22	86	39	23	34	4	26	11	5	27.2
Bookkeeping and billing machine operators	–	59	–	4	13	12	–	11	4	4	11	–	…
Keypunch operators	–	132	–	14	47	27	15	18	–	11	–	–	25.9
Payroll and timekeeping clerks	–	94	–	16	6	–	6	15	26	14	6	5	…
Receptionists	–	344	19	41	73	24	36	46	37	39	23	6	32.1
Secretaries	–	2 377	46	196	444	279	138	431	504	200	75	64	37.0
Stenographers	–	275	–	17	66	17	39	46	37	38	10	5	34.8
Telephone operators	5	362	5	51	59	47	–	60	75	45	15	5	38.2
Typists	–	728	12	50	241	48	35	142	118	41	31	10	31.9
Other clerical and kindred workers	4	2 612	76	238	523	161	195	412	538	229	125	115	37.7
Craftsmen and kindred workers	–	502	–	–	23	28	47	109	135	72	55	33	48.3
Foremen, n.e.c.	–	126	–	–	4	4	7	39	58	–	14	–	46.6
Operatives, except transport	28	2 602	50	100	282	150	159	539	697	295	219	111	45.3
Assemblers	–	178	–	3	19	21	13	43	62	13	4	–	42.7
Battling and canning operatives	–	14	–	–	–	–	4	–	6	4	–	–	…
Checkers, examiners, and inspectors; manufacturing	–	60	–	–	5	–	–	8	32	5	10	–	…
Dressmakers and seamstresses, except factory	–	156	–	–	6	7	11	29	19	15	24	45	57.0
Laundry and dry cleaning operatives, including ironers	–	390	18	34	38	10	18	56	93	49	57	17	47.3
Graders and sorters, manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except produce	8	267	10	–	42	15	11	53	98	27	11	–	45.3
Sewers and stitchers	–	755	–	29	77	57	36	156	243	73	48	36	45.9
Textile operatives	–	54	–	6	–	–	5	11	8	9	11	4	…
Other specified operatives	16	332	11	4	48	19	24	122	47	27	21	9	39.9
Miscellaneous and not specified operatives	4	396	11	24	47	21	37	61	89	73	33	–	44.5
Manufacturing	–	281	–	19	39	17	25	47	71	36	27	–	43.6
Durable goods	–	31	–	3	9	3	5	–	6	–	5	–	…
Machinery, including electrical	–	15	–	–	4	–	5	–	6	–	–	–	…
Other durable goods	–	16	–	3	5	3	–	–	–	–	5	–	…
Nondurable goods, including not specified manufacturing	–	250	–	16	30	14	20	47	65	36	22	–	44.6
Food and kindred products	–	112	–	5	5	9	16	13	21	31	12	–	48.8
Apparel and other fabricated textile products	–	115	–	11	19	5	4	34	27	5	10	–	40.4
Nonmanufacturing industries	4	115	11	5	8	4	12	14	18	37	6	–	46.9
Transport equipment operatives	–	93	–	–	16	14	5	29	21	3	–	5	…
Laborers, except farm	–	310	26	21	16	34	14	49	87	40	17	6	44.0
Farmers and farm managers	–	42	–	–	–	6	–	10	10	5	3	8	…
Farm laborers and farm foremen	–	77	–	–	6	–	17	13	15	16	5	5	…
Paid farm laborers and farm foremen	–	37	–	–	6	–	17	9	–	–	5	–	…
Unpaid family workers	–	40	–	–	–	–	–	4	15	16	–	5	…
Service workers, except private household[1]	80	8 254	678	858	1 186	521	478	1 229	1 704	812	539	249	38.3
Cleaning service workers	–	938	62	55	37	15	21	139	240	161	126	82	50.8
Chambermaids and maids	–	288	9	18	5	6	10	63	85	47	40	5	48.9
Food service workers	52	3 495	501	317	388	196	159	517	755	327	252	83	38.6
Cooks, except private household	9	849	32	33	48	46	40	111	230	126	163	20	50.0
Waiters and food counter workers	34	1 781	328	218	280	125	97	256	315	98	43	21	27.6
Health service workers	–	2 323	63	365	471	189	156	334	440	197	93	15	32.4
Nursing aides, orderlies, and attendants	–	1 320	44	205	202	121	67	221	259	147	49	5	36.0
Practical nurses	–	556	3	17	164	47	57	77	119	34	28	10	34.1
Personal service workers	4	1 030	30	73	232	83	97	148	194	91	41	41	35.0
Hairdressers and cosmetologists	–	465	–	26	153	23	34	54	90	42	11	32	34.5
Private household workers	212	1 082	187	63	45	64	32	83	193	118	129	168	48.5
Private household workers, living in	–	71	–	14	–	5	–	–	8	10	14	20	…
Private household workers, living out	212	1 011	187	49	45	59	32	83	185	108	115	148	47.7

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

MADISON SMSA

Total

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	1 048	71 561	2 243	3 663	11 245	10 495	7 542	13 901	11 976	4 528	3 370	2 598	35.4
Professional, technical, and kindred workers	–	17 718	42	239	2 856	4 070	2 691	3 675	2 420	680	565	480	33.1
Accountants	–	1 223	–	–	204	205	152	274	179	86	76	47	36.8
Architects	–	165	–	–	–	30	26	56	36	–	12	5	39.7
Computer specialists	–	478	–	15	100	190	105	53	15	–	–	–	28.3
Engineers	–	1 710	–	5	225	273	252	432	356	89	51	27	37.3
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–	–	–
Civil	–	511	–	–	51	94	82	143	82	26	17	16	37.0
Electrical and electronic	–	372	–	–	39	87	48	89	94	5	10	–	36.3
Mechanical	–	167	–	–	26	27	15	37	46	16	–	–	39.2
Other engineers	–	660	–	5	109	65	107	163	134	42	24	11	37.7
Lawyers and judges	–	649	–	–	42	150	93	127	133	38	27	39	38.1
Life and physical scientists	–	697	–	3	92	173	105	176	112	16	15	5	33.8
Chemists	–	249	–	–	34	69	64	50	26	6	–	–	31.7
Physicians, dentists, and related practitioners	–	1 225	–	–	51	177	198	368	245	57	47	82	40.1
Dentists	–	139	–	–	–	10	23	33	41	4	6	22	45.9
Pharmacists	–	235	–	–	41	56	27	55	25	4	10	17	33.8
Physicians, medical and osteopathic	–	692	–	–	10	101	133	232	139	43	20	14	39.4
Other related practitioners	–	159	–	–	–	10	15	48	40	6	11	29	46.6
Health technologists and technicians	–	207	–	–	55	79	9	38	5	15	6	–	28.1
Religious workers	–	324	–	6	15	41	67	73	48	4	32	38	39.5
Social scientists	–	278	–	–	33	96	30	59	49	5	–	6	31.7
Social and recreation workers	–	287	5	4	48	67	41	52	38	9	13	10	32.4
Teachers	–	4 868	4	32	683	1 165	857	1 067	617	159	149	135	33.2
College and university	–	3 641	–	17	498	813	631	846	470	145	112	109	33.9
Elementary and prekindergarten	–	264	–	–	26	61	76	50	40	–	–	11	33.0
Secondary	–	821	–	–	136	260	145	159	75	9	27	10	30.5
Engineering and science technicians	–	1 400	9	54	394	366	133	207	156	46	29	6	28.3
Draftsmen and surveyors	–	487	9	22	161	125	40	64	30	18	12	6	27.1
Electrical and electronic engineering technicians	–	281	–	11	97	47	40	18	56	–	12	–	28.5
Technicians, except health, and engineering and science	–	275	–	5	37	79	35	48	59	7	5	–	32.4
Airplane pilots	–	59	–	–	–	9	16	12	22	–	–	–	...
Writers, artists, and entertainers	–	1 120	9	53	230	194	160	204	160	48	29	33	32.3
Other professional, technical, and kindred workers	–	2 812	15	62	647	785	428	441	212	101	74	47	29.3
Managers and administrators, except farm	14	8 168	6	96	508	806	845	2 305	2 138	690	515	259	42.9
Buyers, purchasing agents, and sales managers	–	938	–	21	60	112	117	305	200	67	41	15	40.2
School administrators	–	301	–	–	–	5	39	95	102	28	32	–	46.1
Specified managers and administrators, public administration	–	838	–	–	30	36	70	289	264	88	39	22	44.8
Other specified managers and administrators	14	1 513	6	10	182	208	163	378	321	94	101	50	40.0
Managers and administrators, n.e.c., salaried	–	3 822	–	55	210	409	387	1 047	1 017	321	243	133	43.1
Manufacturing	–	640	–	5	16	38	75	180	210	41	54	21	45.3
Wholesale and retail trade	–	1 283	–	36	139	166	136	271	296	107	70	62	41.1
Transportation, communications, and other public utilities	–	339	–	–	10	28	37	105	93	34	28	4	44.0
All other industries	–	1 560	–	14	45	177	139	491	418	139	91	46	43.2
Managers and administrators, n.e.c., self-employed	–	756	–	10	26	36	69	191	234	92	59	39	47.0
Construction	–	125	–	–	5	6	4	42	53	5	5	5	46.0
Manufacturing	–	45	–	–	10	–	–	13	18	4	–	–	...
Wholesale and retail trade	–	439	–	–	6	30	59	115	113	52	39	25	45.8
All other industries	–	147	–	10	5	–	6	21	50	31	15	9	51.3
Sales workers	351	5 292	155	240	712	696	563	1 144	999	304	197	282	37.4
Insurance agents, brokers, and underwriters	–	868	–	–	65	158	90	216	208	52	25	54	40.6
Real estate agents and brokers	–	261	–	–	19	15	23	81	75	11	15	22	44.1
Sales representatives, manufacturing industries	–	505	–	10	42	94	55	135	127	23	14	5	38.8
Sales representatives, wholesale trade	–	916	–	4	54	110	137	251	183	86	54	37	41.1
Sales clerks, retail trade	11	1 280	69	133	283	153	102	181	169	47	61	82	30.1
Salesmen, retail trade	–	578	16	–	99	78	79	115	112	47	4	28	36.5
Salesmen of services and construction	5	262	–	4	35	42	45	50	50	13	9	14	36.0
Other sales workers	335	622	70	89	115	46	32	115	75	25	15	40	29.0
Clerical and kindred workers	17	5 046	87	287	1 118	740	421	911	741	361	224	156	33.5
Bank tellers and cashiers	4	203	9	32	70	24	18	14	20	–	–	16	24.3
Bookkeepers and billing clerks	5	403	10	18	72	85	37	39	52	35	38	17	32.2
Mail handlers and postal clerks	–	814	–	17	52	106	99	234	205	71	22	8	40.7
Other clerical and kindred workers	8	3 626	68	220	924	525	267	624	464	255	164	115	31.4
Craftsmen and kindred workers	17	11 421	102	412	1 654	1 749	1 299	2 319	2 223	729	597	337	37.1
Apparel craftsmen and upholsterers	–	46	–	–	5	–	9	–	17	9	6	–	...
Bakers	11	84	–	19	11	5	17	6	–	15	6	5	...
Cabinetmakers	–	93	–	–	14	14	4	22	20	5	–	14	...
Construction craftsmen	–	3 284	18	92	433	436	398	713	698	194	193	109	38.7
Carpenters	–	1 233	8	37	152	161	114	275	294	90	48	54	40.3
Excavating, grading, and road machine operators	–	236	–	5	50	14	25	46	53	26	4	13	40.2
Electricians	–	521	4	22	85	41	94	100	117	21	33	4	36.5
Masons and tile setters	–	200	6	4	43	24	19	61	20	9	10	4	35.7
Painters, construction and maintenance, and paperhangers	–	333	–	8	24	42	27	64	84	24	37	23	45.2
Plasterers and cement finishers	–	78	–	–	19	9	22	13	15	–	–	–	...
Plumbers and pipe fitters	–	509	–	4	40	113	68	118	99	15	41	11	37.5
Other construction craftsmen	–	174	–	12	20	32	29	36	16	9	20	–	34.0
Foremen, n.e.c.	–	1 450	6	–	81	144	167	408	397	122	94	31	43.0
Manufacturing	–	628	–	–	40	64	79	136	204	57	31	17	44.6
Nonmanufacturing industries	–	822	6	–	41	80	88	272	193	65	63	14	42.2
Linemen and servicemen, telephone and power	–	603	–	28	80	159	77	135	119	5	–	–	32.2
Locomotive engineers and firemen	–	40	–	–	–	–	–	19	21	–	–	–	...
Mechanics and repairmen	–	2 812	46	162	477	507	339	511	442	130	119	79	33.2
Air conditioning, heating, and refrigeration	–	113	–	–	10	–	5	38	38	4	13	5	45.9
Aircraft	–	48	–	–	–	14	17	6	6	–	–	5	...
Automobile, including body	–	1 224	11	102	280	176	154	193	175	51	54	28	31.4
Radio and television	–	228	10	27	38	29	33	53	18	8	5	7	31.5
Other mechanics and repairmen	–	1 199	25	33	149	288	130	221	205	67	47	34	34.0
Metal craftsmen, except mechanics	–	932	–	19	122	126	75	157	238	116	51	28	42.9
Machinists and job and die setters	–	350	–	14	34	52	22	63	75	51	19	20	43.4
Sheetmetal workers and tinsmiths	–	282	–	–	24	38	32	69	90	19	5	5	41.8
Tool and die makers	–	185	–	5	42	26	10	11	63	18	10	–	43.6
Other metal craftsmen	–	115	–	–	22	10	11	14	10	28	17	3	45.5
Printing craftsmen	–	625	5	40	133	143	65	131	67	21	9	11	29.7
Compositors and typesetters	–	224	–	13	31	48	17	67	39	–	9	–	35.4
Pressmen and plate printers, printing	–	255	5	7	58	65	33	39	22	15	–	11	29.4
Stationary engineers and power station operators	–	188	–	–	19	41	17	21	48	21	16	5	43.1
Other craftsmen and kindred workers	6	1 264	27	52	279	174	131	196	156	91	103	55	33.8

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

MADISON SMSA—Continued

Total—Continued

Male employed—Continued

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Operatives, except transport	**79**	**6 092**	**308**	**532**	**1 164**	**769**	**575**	**1 003**	**815**	**489**	**334**	**103**	**32.4**
Assemblers	–	514	5	34	146	51	58	99	44	15	50	12	31.8
Checkers, examiners, and inspectors; manufacturing	–	195	–	11	17	32	30	38	36	19	12	–	37.0
Garage workers and gas station attendants	23	736	202	222	150	63	5	27	35	24	5	3	19.5
Laundry and drycleaning operatives, n.e.c	10	78	4	13	15	6	10	–	14	6	5	5	...
Meat cutters and butchers	–	868	13	17	93	120	74	173	186	96	85	11	41.8
Mine operatives, n.e.c	–	8	–	–	–	–	4	–	4	–	–	–	...
Packers and wrappers, except produce	–	255	15	28	32	42	24	31	43	25	10	5	32.2
Painters, manufactured articles	–	66	–	–	21	8	5	16	6	5	5	–	...
Precision machine operatives	–	259	–	22	56	34	6	36	39	38	20	8	38.2
Sawyers	–	33	–	–	5	–	3	4	15	–	–	6	...
Stationary firemen	–	112	–	–	14	15	11	26	42	4	–	–	41.2
Textile operatives	–	80	–	–	17	19	14	17	5	8	–	–	...
Welders and flamecutters	–	412	–	12	61	93	50	98	51	31	10	6	34.0
Other metalworking operatives	–	172	6	5	10	21	39	25	31	16	13	6	37.0
Other specified operatives	24	858	25	95	179	96	103	141	100	77	26	16	31.7
Miscellaneous and not specified operatives	22	1 446	38	73	348	169	139	272	164	125	93	25	33.4
Occupation:													
Machine operatives, miscellaneous specified	6	643	14	31	137	77	78	119	89	57	31	10	34.0
Machine operatives, not specified	–	237	–	18	61	37	19	39	11	25	23	4	30.7
Miscellaneous operatives	6	343	18	15	104	22	26	65	25	38	24	6	32.4
Not specified operatives	10	223	6	9	46	33	16	49	39	5	15	5	35.3
Industry:													
Manufacturing	17	1 008	21	39	227	124	107	205	121	98	58	8	34.3
Durable goods	–	519	–	5	129	83	53	110	65	38	28	8	34.0
Wood products, including furniture	–	23	–	–	10	5	–	4	–	–	–	4	...
Primary metal industries	–	112	–	–	14	28	25	28	11	6	–	–	32.8
Fabricated metal industries	–	26	–	–	12	4	4	–	–	3	3	–	...
Machinery, including electrical	–	245	–	5	59	37	24	40	30	25	21	4	34.5
Motor vehicles and equipment	–	29	–	–	15	–	–	7	3	–	4	–	...
Transportation equipment, except motor vehicles	–	4	–	–	–	–	–	4	–	–	–	–	...
Other durable goods	–	80	–	–	19	9	–	27	21	4	–	–	...
Nondurable goods	17	484	21	29	98	41	54	95	56	60	30	–	34.9
Food and kindred products	6	423	14	16	88	35	48	86	56	55	25	–	36.2
Apparel and other fabricated textile products	–	–	–	–	–	–	–	–	–	–	–	–	–
Paper and allied products	–	8	–	4	–	–	–	4	–	–	–	–	...
Chemicals and allied products	–	22	–	5	5	6	6	–	–	–	–	–	...
Other nondurable goods	11	31	7	4	5	–	–	5	–	5	5	–	...
Not specified manufacturing industries	–	5	–	5	–	–	–	–	–	–	–	–	...
Nonmanufacturing industries	5	438	17	34	121	45	32	67	43	27	35	17	30.3
Transportation, communications, and other public utilities	–	48	–	–	11	12	–	5	10	–	4	6	...
Wholesale and retail trade	5	151	11	8	34	14	10	19	18	14	12	11	34.3
All other industries	–	239	6	26	76	19	22	43	15	13	19	–	28.0
Transport equipment operatives	**10**	**3 239**	**56**	**208**	**489**	**403**	**323**	**786**	**506**	**259**	**135**	**74**	**36.8**
Bus drivers	–	209	–	–	11	35	37	65	34	19	–	8	38.3
Taxicab drivers and chauffeurs	–	204	–	10	27	17	5	25	32	47	21	20	50.6
Truck drivers and deliverymen	–	2 402	49	162	378	303	234	620	372	156	95	33	36.2
Other transport equipment operatives	10	424	7	36	73	48	47	76	68	37	19	13	35.1
Laborers, except farm	**108**	**3 310**	**458**	**422**	**711**	**377**	**199**	**372**	**366**	**178**	**138**	**89**	**25.8**
Construction laborers	10	678	19	43	129	131	54	114	116	26	33	13	31.6
Freight, stock, and material handlers	53	1 275	332	202	314	89	53	106	96	44	29	10	21.6
Other specified laborers	40	781	67	104	162	87	29	86	76	82	44	44	28.3
Miscellaneous and not specified laborers	5	576	40	73	106	70	63	66	78	26	32	22	29.9
Occupation:													
Miscellaneous laborers	–	87	5	4	11	5	10	21	18	4	5	4	...
Not specified laborers	5	489	35	69	95	65	53	45	60	22	27	18	28.5
Industry:													
Manufacturing	–	262	–	31	52	44	40	23	33	16	23	–	30.5
Durable goods	–	87	–	22	11	7	14	7	15	6	5	–	...
Wood products, including furniture	–	10	–	5	–	–	–	–	5	–	–	–	...
Metal industries	–	5	–	–	–	–	–	–	5	–	–	–	...
Machinery, including electrical	–	35	–	7	5	3	4	–	5	6	5	–	...
Transportation equipment	–	8	–	4	–	–	4	–	–	–	–	–	...
Other durable goods	–	29	–	6	6	4	6	7	–	–	–	–	...
Nondurable goods	–	175	–	9	41	37	26	16	18	10	18	–	30.1
Food and kindred products	–	115	–	5	26	26	15	10	14	6	13	–	30.2
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	5	314	40	42	54	26	23	43	45	10	9	22	29.0
Railroads and railway express service	–	21	–	4	7	–	10	–	–	–	–	–	...
Transportation, except railroads	–	–	–	–	–	–	–	–	–	–	–	–	–
Communications, and utilities and sanitary services	–	40	–	–	6	–	–	22	12	–	–	–	...
Wholesale and retail trade	–	127	35	11	25	15	6	16	4	10	5	–	23.5
All other industries	5	126	5	27	16	11	7	5	29	–	4	22	32.9
Farmers and farm managers	**–**	**2 593**	**14**	**38**	**126**	**198**	**176**	**507**	**724**	**306**	**235**	**269**	**48.3**
Farm laborers and farm foremen	**173**	**1 091**	**251**	**168**	**247**	**68**	**34**	**86**	**82**	**52**	**36**	**67**	**22.6**
Paid farm laborers and farm foremen	129	786	158	104	202	56	26	66	62	36	36	40	23.2
Unpaid family workers	44	305	93	64	45	12	8	20	20	16	–	27	19.9
Service workers, except private household[1]	**264**	**7 566**	**759**	**1 021**	**1 656**	**619**	**416**	**793**	**962**	**480**	**394**	**466**	**27.8**
Cleaning service workers	73	2 384	126	200	383	81	101	238	513	252	222	268	46.2
Food service workers	137	2 489	623	620	600	153	69	165	89	48	51	71	20.0
Cooks, except private household	27	682	147	251	123	35	25	44	32	11	–	14	19.5
Busboys and dishwashers	63	677	350	152	116	9	7	21	–	6	6	10	17.9
Health service workers	–	453	5	57	213	60	13	13	61	5	22	4	23.9
Personal service workers	9	609	5	23	154	84	39	89	57	76	33	49	34.9
Protective service workers	–	1 081	–	17	114	179	156	242	202	84	45	42	38.1
Firemen, fire protection	–	205	–	–	14	37	35	65	54	–	–	–	37.5
Guards and watchmen	–	268	–	6	37	47	11	11	57	43	37	19	48.9
Policemen and detectives	–	529	–	11	51	95	106	156	71	36	–	3	35.1
Private household workers	**15**	**25**	**5**	**–**	**4**	**–**	**–**	**–**	**–**	**–**	**–**	**16**	**...**

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

MADISON SMSA—Continued

Total—Continued

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Female employed	491	51 687	1 783	4 071	12 855	5 839	3 735	7 920	8 186	3 320	2 342	1 636	31.7
Professional, technical, and kindred workers	32	11 263	36	281	2 715	2 417	1 117	1 753	1 651	620	436	237	30.8
Accountants	–	475	–	9	95	74	16	88	86	57	38	12	39.9
Computer specialists	–	145	–	6	63	40	21	6	4	5	–	–	25.4
Librarians	–	233	–	12	24	32	41	34	30	26	15	19	37.2
Mathematical specialists	–	9	–	–	–	–	–	–	9	–	–	–	...
Life and physical scientists	–	152	–	5	37	44	32	15	11	–	5	3	28.9
Registered nurses, dietitians, and therapists	5	2 309	–	16	509	500	259	382	365	127	93	58	32.5
Dietitians	–	205	–	–	40	39	36	30	34	15	–	11	33.3
Registered nurses	5	1 924	–	6	398	424	201	337	315	108	88	47	33.3
Health technologists and technicians	6	723	9	42	256	141	60	101	46	24	44	–	26.9
Social scientists	–	80	–	–	16	28	19	11	6	–	–	–	...
Social and recreation workers	–	360	–	14	73	110	11	33	70	30	19	–	29.2
Teachers: College and university	–	1 286	–	23	273	328	166	214	184	51	26	21	30.6
Elementary and prekindergarten	–	2 006	5	8	372	440	221	383	337	118	92	30	34.0
Secondary	5	778	–	5	191	189	66	134	124	26	33	10	30.3
Other teachers	–	313	9	13	25	43	5	74	55	40	20	29	43.3
Engineering and science technicians	–	282	–	37	91	38	19	42	38	7	–	10	26.7
Technicians, except health, and engineering and science	–	59	–	10	15	5	6	–	23	–	–	–	...
Writers, artists, and entertainers	5	535	4	49	153	99	57	63	69	20	–	21	28.1
Actors and dancers	–	14	–	5	9	–	–	–	–	–	–	–	...
Authors, editors, and reporters	–	234	–	8	56	37	39	30	38	5	–	21	32.1
Other professional, technical, and kindred workers	11	1 518	9	32	522	306	118	173	194	89	51	24	28.2
Managers and administrators, except farm	–	1 567	5	35	145	137	164	373	380	117	100	111	43.0
Buyers, purchasing agents, and sales managers	–	172	–	10	37	20	18	26	24	16	–	21	35.4
Restaurant, cafeteria, and bar managers	–	99	–	–	–	–	5	37	32	5	9	11	...
School administrators	–	124	–	–	–	16	11	34	38	14	11	–	45.3
Other specified managers and administrators	–	416	5	16	37	42	53	72	98	51	11	31	42.6
Managers and administrators, n.e.c., salaried	–	584	–	9	71	55	67	135	142	26	41	38	41.7
Wholesale and retail trade	–	152	–	9	32	10	15	31	40	4	–	11	38.2
Managers and administrators, n.e.c., self-employed	–	172	–	–	–	4	10	69	46	5	28	10	45.7
Wholesale and retail trade	–	77	–	–	–	–	5	27	30	–	10	5	...
Sales workers	25	3 574	384	410	650	188	218	433	596	285	231	179	33.6
Demonstrators, hucksters, and peddlers	–	201	–	12	19	25	59	30	42	–	8	6	33.8
Insurance, real estate agents, and brokers	–	166	–	4	20	10	12	62	44	–	9	5	41.0
Sales clerks, retail trade	9	2 550	322	276	437	109	96	277	431	248	197	157	36.3
Salesmen, retail trade	–	68	–	16	16	–	9	5	5	5	12	–	...
Other sales workers	16	589	62	102	158	44	42	59	74	32	5	11	24.1
Clerical and kindred workers	65	20 121	480	1 950	6 199	1 977	1 325	3 000	2 982	1 117	693	398	28.6
Bank tellers	–	315	–	35	108	39	16	44	46	16	4	7	26.9
Bookkeepers	–	1 953	15	117	321	188	186	428	376	133	128	61	38.5
Cashiers	20	1 226	190	202	282	70	67	168	146	58	14	29	23.9
Counter clerks, except food	6	279	27	35	95	9	8	26	20	25	26	8	24.1
Enumerators and interviewers	–	27	–	–	11	–	4	6	–	–	–	6	...
File clerks	–	616	21	92	265	33	32	47	72	29	15	10	23.7
Office machine operators	–	1 240	34	139	502	184	113	176	53	20	14	5	24.5
Bookkeeping and billing machine operators	–	189	–	16	75	35	22	24	9	3	–	5	25.5
Keypunch operators	–	823	34	107	310	139	91	120	22	–	–	–	24.4
Payroll and timekeeping clerks	–	75	–	–	6	4	4	24	25	6	–	6	...
Receptionists	–	672	5	78	256	44	49	82	93	18	31	16	24.9
Secretaries	–	5 034	10	343	1 680	625	329	830	777	263	104	73	28.9
Stenographers	–	441	–	30	142	25	33	63	69	50	18	11	33.6
Telephone operators	–	529	4	142	146	20	44	56	56	28	18	15	24.1
Typists	–	2 236	50	283	856	221	110	221	309	102	60	24	24.6
Other clerical and kindred workers	39	5 478	124	454	1 529	515	330	829	940	369	261	127	31.8
Craftsmen and kindred workers	–	537	4	11	126	58	41	77	107	54	35	24	38.7
Foremen, n.e.c.	–	135	–	–	5	16	5	27	49	22	5	6	48.0
Operatives, except transport	10	2 663	54	103	436	232	127	530	667	227	168	119	42.2
Assemblers	–	313	–	5	75	53	12	49	82	16	11	10	37.3
Bottling and canning operatives	–	56	–	4	16	–	–	10	15	–	5	6	...
Checkers, examiners, and inspectors; manufacturing	–	124	–	–	17	11	–	28	58	–	5	5	46.0
Dressmakers and seamstresses, except factory	–	142	–	–	–	4	–	9	53	5	34	37	60.0
Laundry and dry cleaning operatives, including ironers	–	377	16	21	55	30	11	72	78	40	35	19	42.7
Graders and sorters, manufacturing	–	10	–	–	–	–	–	5	–	5	–	–	...
Packers and wrappers, except produce	–	484	20	18	60	19	21	97	128	66	46	9	45.5
Sewers and stitchers	–	97	–	–	16	12	5	17	31	7	–	9	...
Textile operatives	–	10	–	–	–	–	–	6	4	–	–	–	...
Other specified operatives	4	354	14	20	59	55	39	59	58	28	17	5	33.7
Miscellaneous and not specified operatives	6	696	4	35	138	48	39	178	160	60	15	19	39.7
Manufacturing	–	430	4	7	59	32	24	135	118	32	6	13	41.6
Durable goods	–	247	–	4	33	28	15	83	61	9	6	8	40.2
Machinery, including electrical	–	62	–	–	–	13	6	16	21	–	6	–	...
Other durable goods	–	185	–	4	33	15	9	67	40	9	–	8	39.7
Nondurable goods, including not specified manufacturing	–	183	4	3	26	4	9	52	57	23	–	5	43.8
Food and kindred products	–	76	–	3	12	–	5	11	28	17	–	–	...
Apparel and other fabricated textile products	–	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	6	266	–	28	79	16	15	43	42	28	9	6	33.3
Transport equipment operatives	–	135	5	29	–	5	20	50	21	5	–	–	36.7
Laborers, except farm	10	321	22	21	58	25	20	35	70	22	28	20	39.1
Farmers and farm managers	–	223	6	–	4	33	17	65	55	19	13	11	42.9
Farm laborers and farm foremen	34	351	22	6	51	27	29	82	111	10	–	13	39.9
Paid farm laborers and farm foremen	29	92	12	6	35	5	–	10	9	10	–	5	...
Unpaid family workers	5	259	10	–	16	22	29	72	102	–	–	8	42.3
Service workers, except private household[1]	73	9 735	658	1 122	2 346	699	565	1 355	1 406	727	535	322	30.4
Cleaning service workers	–	1 237	71	68	109	60	61	228	243	205	116	76	45.9
Chambermaids and maids	–	424	46	35	16	17	33	79	64	71	36	27	43.2
Food service workers	25	4 017	410	591	888	199	206	560	565	242	224	132	28.0
Cooks, except private household	–	808	14	25	75	36	44	154	194	103	101	62	47.9
Waiters and food counter workers	14	2 292	306	386	619	137	111	306	248	64	81	34	23.7
Health service workers	–	2 667	101	310	888	227	166	335	293	148	142	57	25.8
Nursing aides, orderlies, and attendants	–	1 809	41	207	585	106	133	252	234	101	109	41	28.4
Practical nurses	–	338	–	19	130	78	23	20	21	14	22	11	26.3
Personal service workers	4	1 032	34	50	258	153	69	101	188	91	42	46	31.5
Hairdressers and cosmetologists	–	446	–	4	143	100	38	25	72	39	9	16	28.8
Private household workers	242	1 197	107	103	125	41	92	167	140	117	103	202	42.8
Private household workers, living in	–	81	–	–	–	–	–	5	10	19	19	28	...
Private household workers, living out	242	1 116	107	103	125	41	92	162	130	98	84	174	40.6

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

MILWAUKEE SMSA

Total

	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	4 073	350 502	10 591	13 839	36 921	41 038	35 904	75 961	72 074	29 638	21 053	13 483	39.9
Professional, technical, and kindred workers	22	53 222	165	693	5 746	9 174	7 898	13 120	9 063	2 984	2 340	2 039	37.2
Accountants	–	4 739	12	7	540	721	690	1 079	876	341	232	241	38.7
Architects	–	334	–	–	14	24	42	98	58	26	27	45	43.9
Computer specialists	–	1 538	–	5	370	498	290	269	75	7	19	5	29.0
Engineers	–	11 313	4	19	681	1 593	1 735	3 311	2 367	813	521	269	39.9
Aeronautical and astronautical	–	10	–	–	–	6	4	–	–	–	–	–	...
Civil	–	1 094	4	–	94	132	136	367	226	45	64	26	39.9
Electrical and electronic	–	2 716	–	10	206	494	454	870	439	149	67	27	37.2
Mechanical	–	2 080	–	6	62	265	276	591	499	193	137	51	42.3
Other engineers	–	5 413	–	3	319	696	865	1 483	1 203	426	253	165	40.6
Lawyers and judges	–	2 085	–	–	33	285	284	472	484	146	177	204	44.3
Life and physical scientists	–	955	5	15	80	220	121	266	144	41	45	18	36.4
Chemists	–	615	5	4	31	155	75	142	117	29	39	18	37.6
Physicians, dentists, and related practitioners	–	3 624	–	6	50	364	510	1 027	660	216	302	489	43.6
Dentists	–	734	–	–	5	69	79	168	164	57	39	153	47.8
Pharmacists	–	657	–	–	36	89	96	122	87	30	98	99	43.8
Physicians, medical and osteopathic	–	1 935	–	6	5	206	320	607	311	114	144	222	42.1
Other related practitioners	–	298	–	–	4	–	15	130	98	15	21	15	45.0
Health technologists and technicians	–	526	–	27	135	143	58	50	96	9	8	–	28.5
Religious workers	4	1 511	4	7	46	183	169	388	326	139	96	153	43.9
Social scientists	–	731	–	–	50	171	118	197	96	33	41	25	36.3
Social and recreation workers	5	1 084	7	43	160	216	165	204	140	34	70	45	33.5
Teachers	–	8 419	59	91	1 110	1 801	1 376	2 019	1 110	340	332	181	34.2
College and university	–	2 159	4	19	208	298	410	551	359	130	114	66	37.5
Elementary and prekindergarten	–	1 840	8	–	340	498	251	426	165	61	69	22	31.5
Secondary	–	3 833	29	28	462	931	649	943	469	134	132	56	33.6
Engineering and science technicians	3	6 121	13	199	1 150	1 207	1 034	1 249	767	277	127	98	32.4
Draftsmen and surveyors	–	3 214	4	95	709	588	519	623	374	142	92	68	32.0
Electrical and electronic engineering technicians	3	1 163	5	30	196	266	252	278	102	25	9	–	31.7
Technicians, except health, and engineering and science	–	500	–	11	43	73	100	124	109	26	9	5	36.9
Airplane pilots	–	108	–	–	5	11	25	49	13	5	–	–	37.7
Writers, artists, and entertainers	6	3 995	44	129	587	567	494	984	671	252	155	112	36.8
Other professional, technical, and kindred workers	4	5 747	17	134	697	1 108	712	1 383	1 084	284	179	149	36.5
Managers and administrators, except farm	40	35 502	25	241	1 595	3 472	3 513	9 720	9 324	3 363	2 483	1 766	44.2
Buyers, purchasing agents, and sales managers	–	5 563	5	56	294	646	671	1 598	1 434	411	301	147	41.9
School administrators	–	994	6	–	16	72	81	322	297	89	84	27	45.0
Specified managers and administrators, public administration	6	1 625	7	–	34	85	116	440	523	156	172	92	47.5
Other specified managers and administrators	15	5 954	–	78	471	798	594	1 433	1 237	608	406	329	42.2
Managers and administrators, n.e.c., salaried	19	18 196	7	107	726	1 744	1 805	5 173	4 957	1 646	1 185	846	44.1
Manufacturing	7	6 600	3	27	94	361	705	1 889	2 023	683	515	300	46.1
Wholesale and retail trade	12	5 259	4	44	373	767	526	1 368	1 218	408	277	274	41.7
Transportation, communications, and other public utilities	–	1 479	–	3	25	131	141	405	433	160	116	65	45.8
All other industries	–	4 858	–	33	234	485	433	1 511	1 283	395	277	207	43.2
Managers and administrators, n.e.c., self-employed	–	3 170	–	–	54	127	246	754	876	453	335	325	49.6
Construction	–	385	–	–	–	5	37	122	123	45	24	29	47.3
Manufacturing	–	300	–	–	3	6	6	91	80	45	35	34	50.5
Wholesale and retail trade	–	1 710	–	–	39	91	150	352	472	246	171	189	49.7
All other industries	–	775	–	–	12	25	53	189	201	117	105	73	50.4
Sales workers	2 044	24 518	955	947	2 042	3 025	2 586	5 308	4 903	1 765	1 398	1 589	40.1
Insurance agents, brokers, and underwriters	–	3 148	–	6	237	493	372	821	732	174	125	188	40.7
Real estate agents and brokers	6	1 194	–	–	21	28	125	325	334	127	116	118	47.9
Sales representatives, manufacturing industries	–	3 882	9	40	202	608	541	982	845	293	209	153	40.5
Sales representatives, wholesale trade	–	5 236	10	49	284	677	591	1 261	1 279	445	296	344	43.0
Sales clerks, retail trade	94	4 522	412	607	721	383	272	502	597	287	319	422	32.5
Salesmen, retail trade	–	2 287	37	57	203	230	193	596	452	189	148	182	42.1
Salesmen of services and construction	–	1 403	33	13	111	213	166	346	264	115	55	87	39.8
Other sales workers	1 944	2 846	454	175	263	393	326	475	400	135	130	95	32.1
Clerical and kindred workers	125	27 000	699	1 462	3 986	3 015	2 329	5 053	5 415	2 341	1 726	974	39.0
Bank tellers and cashiers	13	504	67	93	109	41	15	36	23	14	35	71	24.2
Bookkeepers and billing clerks	–	1 491	4	16	245	161	82	236	309	188	103	147	45.0
Mail handlers and postal clerks	6	3 894	67	135	408	325	471	913	1 094	312	125	44	40.9
Other clerical and kindred workers	106	21 111	561	1 218	3 224	2 488	1 761	3 868	3 989	1 827	1 463	712	38.4
Craftsmen and kindred workers	77	75 216	472	1 558	7 227	8 515	7 841	18 250	17 764	6 944	4 774	1 871	41.6
Apparel craftsmen and upholsterers	–	433	–	12	27	31	21	65	75	82	62	58	53.1
Bakers	4	627	71	29	23	72	39	108	110	75	65	35	42.4
Cabinetmakers	–	402	–	5	22	23	72	88	107	28	26	31	44.0
Construction craftsmen	29	15 147	56	250	1 264	1 761	1 627	4 096	3 614	1 255	849	375	41.4
Carpenters	13	3 490	–	74	231	340	301	879	978	333	214	140	44.1
Excavating, grading, and road machine operators	–	1 109	5	25	87	163	148	333	223	94	20	11	38.8
Electricians	–	3 310	–	24	339	438	381	991	715	212	153	57	39.8
Masons and tile setters	–	1 463	–	19	121	125	150	505	355	72	75	41	41.3
Painters, construction and maintenance, and paperhangers	16	1 865	37	45	178	169	220	360	475	186	150	45	42.9
Plasterers and cement finishers	–	457	–	6	6	56	52	127	157	30	18	5	43.5
Plumbers and pipe fitters	–	2 420	5	30	205	353	279	576	513	231	178	50	40.9
Other construction craftsmen	–	1 033	9	27	97	117	96	325	198	97	41	26	40.2
Foremen, n.e.c.	5	12 622	10	47	423	1 185	1 333	3 343	3 663	1 465	956	197	44.9
Manufacturing	–	8 772	5	29	243	805	948	2 325	2 504	1 058	721	134	45.1
Nonmanufacturing industries	5	3 850	5	18	180	380	385	1 018	1 159	407	235	63	44.4
Linemen and servicemen, telephone and power	–	1 838	6	109	344	278	248	506	171	57	101	18	33.7
Locomotive engineers and firemen	–	433	–	23	40	38	37	97	99	45	42	12	43.1
Mechanics and repairmen	8	14 020	142	492	1 911	1 923	1 535	3 202	2 787	1 032	653	343	38.1
Air conditioning, heating, and refrigeration	–	511	–	5	65	69	67	115	118	40	20	12	39.3
Aircraft	–	180	–	–	45	37	5	74	19	–	–	–	35.4
Automobile, including body	4	5 120	90	285	965	670	563	1 059	851	324	184	129	34.9
Radio and television	–	666	9	37	69	113	73	149	113	25	43	35	37.1
Other mechanics and repairmen	4	7 543	43	165	767	1 034	827	1 805	1 686	643	406	167	40.2
Metal craftsmen, except mechanics	4	15 456	43	279	1 542	1 652	1 433	3 619	3 923	1 519	1 074	372	42.7
Machinists and job and die setters	–	7 378	18	139	781	921	653	1 711	1 757	685	547	166	41.9
Sheetmetal workers and tinsmiths	4	1 226	–	22	126	106	121	324	333	104	79	11	42.3
Tool and die makers	–	3 226	15	52	346	280	268	770	879	334	195	87	43.5
Other metal craftsmen	–	3 626	10	66	289	345	391	814	954	396	253	108	43.7
Printing craftsmen	–	3 475	31	87	548	387	517	770	617	213	249	56	37.2
Compositors and typesetters	–	969	10	31	169	72	130	196	128	96	105	32	38.7
Pressmen and plate printers, printing	–	1 565	21	51	247	229	209	378	249	68	97	16	35.7
Stationary engineers and power station operators	–	1 374	–	7	29	79	100	298	461	246	109	45	48.8
Other craftsmen and kindred workers	27	9 389	113	218	1 054	1 086	879	2 058	2 137	927	588	329	41.5

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

MILWAUKEE SMSA—Continued

Total—Continued

Male employed—Continued

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Operatives, except transport	**297**	**63 364**	**1 579**	**3 451**	**8 144**	**7 380**	**5 948**	**12 024**	**13 109**	**6 378**	**3 802**	**1 549**	**39.3**
Assemblers	21	7 150	32	320	946	857	734	1 280	1 703	773	399	106	40.4
Checkers, examiners, and inspectors; manufacturing	4	4 674	4	93	508	609	485	902	1 163	553	294	63	42.1
Garage workers and gas station attendants	92	2 423	802	596	399	127	48	152	103	49	68	79	19.4
Laundry and drycleaning operatives, n.e.c	10	400	29	44	40	18	21	54	66	49	36	43	43.9
Meat cutters and butchers	–	1 917	32	50	156	161	190	436	413	209	165	105	43.5
Mine operatives, n.e.c	–	75	6	9	–	5	20	10	9	10	6	–	...
Packers and wrappers, except produce	14	1 426	144	153	207	97	93	199	268	132	85	48	36.0
Painters, manufactured articles	3	954	11	37	132	119	82	239	163	94	67	10	39.0
Precision machine operatives	5	7 145	66	398	951	911	748	1 312	1 507	799	344	109	38.8
Sawyers	–	292	6	10	42	45	35	52	58	32	12	–	36.5
Stationary firemen	6	996	–	4	41	63	77	215	297	102	131	66	48.3
Textile operatives	–	148	–	23	51	5	15	11	30	6	4	3	25.0
Welders and flamecutters	–	6 382	7	159	647	911	642	1 507	1 333	740	357	79	40.5
Other metalworking operatives	10	4 141	32	188	637	492	499	780	812	368	246	87	37.9
Other specified operatives	92	8 698	159	378	1 142	994	788	1 776	1 778	756	546	381	40.0
Miscellaneous and not specified operatives	40	16 543	249	989	2 245	1 966	1 471	3 099	3 406	1 706	1 042	370	39.4
Occupation:													
Machine operatives, miscellaneous specified	6	5 752	56	317	755	564	530	1 107	1 233	685	380	125	40.9
Machine operatives, not specified	5	4 683	30	253	724	774	457	936	850	341	242	76	36.1
Miscellaneous operatives	21	3 651	132	291	522	417	288	636	686	325	233	121	37.8
Not specified operatives	8	2 457	31	128	244	211	196	420	637	355	187	48	45.0
Industry:													
Manufacturing	17	14 487	178	821	2 015	1 757	1 282	2 709	3 013	1 546	885	281	39.4
Durable goods	6	9 950	101	572	1 437	1 314	889	1 958	1 895	985	571	228	38.4
Wood products, including furniture	–	136	5	9	26	5	10	25	15	23	4	14	40.2
Primary metal industries	6	2 035	4	79	226	283	147	442	460	246	140	8	41.3
Fabricated metal industries	–	1 339	28	134	273	182	173	238	148	77	41	45	31.5
Machinery, including electrical	–	4 827	47	268	766	589	398	912	1 005	492	260	90	38.8
Motor vehicles and equipment	–	680	5	26	56	104	35	159	117	77	82	19	42.2
Transportation equipment, except motor vehicles	–	182	–	16	29	59	21	21	11	7	6	12	28.9
Other durable goods	–	751	12	40	61	92	105	161	139	63	38	40	39.1
Nondurable goods	11	4 438	77	249	578	431	377	735	1 101	548	309	53	42.2
Food and kindred products	–	1 900	17	50	131	111	112	305	669	328	161	16	48.3
Apparel and other fabricated textile products	–	10	–	–	–	–	–	10	–	–	–	–	...
Paper and allied products	–	637	20	36	126	73	75	147	71	64	21	4	34.2
Chemicals and allied products	5	319	5	27	28	42	35	64	61	37	20	–	38.5
Other nondurable goods	6	1 572	35	136	273	205	155	209	300	119	107	33	34.4
Not specified manufacturing industries	–	99	–	–	20	12	16	16	17	13	5	–	...
Nonmanufacturing industries	23	2 056	71	168	230	209	189	390	393	160	157	89	39.1
Transportation, communications, and other public utilities	–	462	6	10	61	53	60	124	94	26	28	–	38.3
Wholesale and retail trade	10	952	48	105	110	73	74	163	197	88	47	47	39.0
All other industries	13	642	17	53	59	83	55	103	102	46	82	42	40.2
Transport equipment operatives	**49**	**19 204**	**313**	**923**	**2 023**	**1 995**	**2 018**	**4 667**	**4 250**	**1 656**	**939**	**420**	**40.0**
Bus drivers	–	1 468	10	5	74	71	93	353	364	245	152	101	48.5
Taxicab drivers and chauffeurs	–	686	4	5	129	100	46	106	139	55	69	33	40.6
Truck drivers and deliverymen	25	12 979	263	577	1 219	1 380	1 512	3 337	2 899	1 090	491	211	39.6
Other transport equipment operatives	24	4 071	36	336	601	444	367	871	848	266	227	75	37.9
Laborers, except farm	**531**	**20 417**	**2 361**	**2 312**	**2 836**	**1 829**	**1 730**	**3 064**	**3 352**	**1 447**	**1 044**	**442**	**32.5**
Construction laborers	11	2 369	59	76	318	392	284	503	427	191	110	9	36.1
Freight, stock, and material handlers	202	9 085	1 585	1 462	1 384	648	622	1 125	1 336	517	295	111	25.9
Other specified laborers	221	4 106	452	426	489	334	340	610	715	270	261	209	35.2
Miscellaneous and not specified laborers	97	4 857	265	348	645	455	484	826	874	469	378	113	37.8
Occupation:													
Miscellaneous laborers	38	1 600	31	82	161	154	140	270	402	157	170	33	43.6
Not specified laborers	59	3 257	234	266	484	301	344	556	472	312	208	80	35.0
Industry:													
Manufacturing	5	3 155	101	224	482	309	277	513	590	357	257	45	38.6
Durable goods	5	2 445	50	177	423	264	219	351	465	282	192	22	37.5
Wood products, including furniture	–	29	–	4	11	4	–	–	4	6	–	–	...
Metal industries	–	969	30	71	163	92	105	146	170	92	88	12	36.6
Machinery, including electrical	–	1 008	10	73	161	113	66	154	208	115	98	10	40.3
Transportation equipment	–	294	–	18	55	41	29	33	64	54	–	–	36.2
Other durable goods	5	145	10	11	33	14	19	18	19	15	6	–	31.2
Nondurable goods	–	710	51	47	59	45	58	162	125	75	65	23	40.9
Food and kindred products	–	414	20	4	36	23	45	98	86	52	44	6	43.1
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	92	1 702	164	124	163	146	207	313	284	112	121	68	36.5
Railroads and railway express service	–	143	–	8	14	29	10	34	30	–	18	–	38.1
Transportation, except railroads	–	88	13	–	9	–	5	6	29	15	7	4	...
Communications, and utilities and sanitary services	16	326	10	3	22	42	33	96	64	28	20	8	40.5
Wholesale and retail trade	29	545	91	63	63	28	57	54	53	48	47	41	32.4
All other industries	47	600	50	50	55	47	102	123	108	21	29	15	34.8
Farmers and farm managers	**21**	**2 453**	**21**	**9**	**107**	**103**	**137**	**474**	**582**	**359**	**290**	**371**	**51.5**
Farm laborers and farm foremen	**156**	**1 275**	**266**	**147**	**216**	**80**	**62**	**111**	**116**	**36**	**70**	**171**	**25.5**
Paid farm laborers and farm foremen	123	1 110	192	112	201	80	62	111	112	36	63	141	28.1
Unpaid family workers	33	165	74	35	15	–	–	–	4	–	7	30	18.5
Service workers, except private household[1]	**675**	**28 215**	**3 702**	**2 091**	**2 975**	**2 443**	**1 831**	**4 155**	**4 196**	**2 357**	**2 183**	**2 282**	**37.6**
Cleaning service workers	227	8 738	929	641	669	361	296	973	1 634	1 021	1 123	1 091	48.1
Food service workers	264	7 138	2 356	866	806	414	314	652	740	432	281	277	22.2
Cooks, except private household	40	2 104	702	352	310	148	94	159	166	88	39	46	20.0
Busboys and dishwashers	171	1 830	1 216	355	126	35	16	14	31	–	6	31	17.5
Health service workers	5	841	38	112	271	91	58	83	115	45	12	16	25.0
Personal service workers	39	2 281	241	238	209	243	196	332	243	162	180	237	35.4
Protective service workers	11	6 875	4	21	678	1 046	834	1 725	1 096	563	414	494	40.0
Firemen, fire protection	–	1 486	–	–	66	195	241	480	335	117	37	15	40.0
Guards and watchmen	5	1 619	4	10	167	75	49	177	222	275	279	361	56.9
Policemen and detectives	6	3 331	–	11	429	734	488	972	459	126	77	35	35.0
Private household workers	**36**	**116**	**33**	**5**	**24**	**7**	**11**	**15**	**–**	**8**	**4**	**9**	**24.2**

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

MILWAUKEE SMSA—Continued

Total—Continued

	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Female employed	1 633	222 988	7 860	14 217	35 479	21 338	17 367	42 311	45 155	18 167	12 441	8 653	38.6
Professional, technical, and kindred workers	37	32 991	207	546	6 234	5 444	3 408	6 435	5 616	2 127	1 731	1 243	36.0
Accountants	–	1 539	10	43	213	133	123	298	395	134	135	55	43.3
Computer specialists	–	290	–	4	159	72	26	22	7	–	–	–	24.4
Librarians	–	608	4	37	87	94	40	106	101	68	39	32	39.0
Mathematical specialists	–	66	–	–	11	24	8	4	5	5	9	–	...
Life and physical scientists	–	151	–	4	19	23	26	34	17	15	13	–	36.0
Registered nurses, dietitians, and therapists	–	6 914	19	58	1 256	945	815	1 486	1 348	476	306	205	37.4
Dietitians	–	375	19	23	72	25	44	56	71	31	14	20	35.8
Registered nurses	–	5 807	–	14	1 010	801	683	1 271	1 151	435	283	159	38.1
Health technologists and technicians	4	2 073	29	97	664	474	242	255	230	33	22	27	27.6
Social scientists	–	119	–	–	29	5	19	4	30	9	13	10	45.8
Social and recreation workers	10	1 206	33	48	208	256	100	147	194	101	61	58	32.9
Teachers: College and university	4	1 165	–	26	151	178	139	211	245	85	75	55	39.2
Elementary and prekindergarten	–	8 920	28	31	1 648	1 621	888	1 961	1 353	540	535	315	36.2
Secondary	4	3 309	12	5	743	647	357	640	435	225	141	104	33.5
Other teachers	–	950	33	24	100	152	122	152	150	70	56	91	37.9
Engineering and science technicians	–	705	5	71	202	73	49	94	128	48	20	15	30.2
Technicians, except health, and engineering and science	–	110	–	6	30	11	5	20	22	10	–	6	36.5
Writers, artists, and entertainers	–	1 606	25	43	241	273	166	318	283	109	69	79	36.7
Actors and dancers	–	60	–	–	11	25	–	14	5	–	5	–	...
Authors, editors, and reporters	–	336	4	6	47	75	31	75	54	25	4	15	35.7
Other professional, technical, and kindred workers	15	3 260	9	49	473	463	283	683	673	199	237	191	40.2
Managers and administrators, except farm	6	5 948	10	42	440	424	361	1 207	1 738	843	469	414	47.8
Buyers, purchasing agents, and sales managers	–	943	–	25	142	48	59	178	252	164	48	27	45.8
Restaurant, cafeteria, and bar managers	–	627	5	–	42	18	12	118	197	138	58	39	51.0
School administrators	–	312	–	5	6	16	24	114	69	17	29	32	44.2
Other specified managers and administrators	6	1 353	5	7	110	102	77	304	377	171	140	60	46.9
Managers and administrators, n.e.c., salaried	–	2 190	–	5	130	225	153	434	646	269	150	178	47.3
Wholesale and retail trade	–	776	–	–	35	61	42	154	256	113	48	67	48.8
Managers and administrators, n.e.c., self-employed	–	523	–	–	10	15	36	59	197	84	44	78	52.2
Wholesale and retail trade	–	311	–	–	10	6	19	27	111	72	14	52	53.4
Sales workers	186	20 021	1 668	1 620	1 738	1 224	1 302	3 563	4 103	2 093	1 469	1 241	41.9
Demonstrators, hucksters, and peddlers	–	1 067	23	20	99	171	158	292	142	82	54	26	37.1
Insurance, real estate agents, and brokers	5	761	–	19	45	80	91	168	163	76	60	59	43.7
Sales clerks, retail trade	85	14 817	1 396	1 364	1 109	646	799	2 540	3 252	1 669	1 084	958	43.2
Salesmen, retail trade	–	491	33	31	17	36	19	117	132	42	28	36	44.4
Other sales workers	96	2 885	216	186	468	291	235	446	414	224	243	162	36.0
Clerical and kindred workers	209	81 240	2 396	7 320	16 982	7 304	5 585	15 001	15 946	5 369	3 582	1 755	35.7
Bank tellers	–	1 305	19	190	396	90	85	188	250	50	33	4	27.6
Bookkeepers	5	7 846	46	289	1 096	618	548	1 825	2 053	602	449	320	42.3
Cashiers	36	5 872	759	636	712	473	421	1 154	1 033	407	177	100	34.2
Counter clerks, except food	4	990	89	97	141	62	58	180	197	120	46	–	37.7
Enumerators and interviewers	–	203	11	9	15	14	20	56	59	15	4	–	40.8
File clerks	8	2 102	131	444	469	148	104	270	283	148	88	17	25.2
Office machine operators	–	4 161	25	463	1 089	536	408	750	552	134	142	62	29.7
Bookkeeping and billing machine operators	–	568	16	65	159	20	48	101	85	42	19	13	32.5
Keypunch operators	–	2 543	4	287	737	434	285	469	263	24	33	7	27.8
Payroll and timekeeping clerks	5	1 134	12	56	166	64	93	258	295	104	67	19	41.8
Receptionists	4	2 401	80	315	651	229	115	417	348	105	68	73	28.4
Secretaries	28	18 513	122	999	4 523	2 182	1 253	3 355	3 645	1 277	787	370	35.5
Stenographers	5	1 551	33	192	335	122	113	218	317	105	66	50	34.1
Telephone operators	–	2 199	68	249	442	175	80	440	421	164	117	43	36.9
Typists	12	7 788	187	1 091	2 079	717	553	1 180	1 205	361	283	132	28.7
Other clerical and kindred workers	102	25 175	814	2 290	4 868	1 874	1 734	4 710	5 288	1 777	1 255	565	37.1
Craftsmen and kindred workers	18	4 163	18	93	442	349	324	934	1 069	452	304	178	44.2
Foremen, n.e.c.	5	952	–	11	73	27	59	234	319	109	84	36	47.3
Operatives, except transport	68	30 548	271	1 221	3 758	2 923	2 658	6 804	7 290	2 952	1 696	975	41.5
Assemblers	–	6 464	38	350	972	636	629	1 562	1 584	429	184	80	38.9
Bottling and canning operatives	–	40	–	–	3	5	–	5	18	–	5	4	...
Checkers, examiners, and inspectors; manufacturing	–	2 913	3	94	326	265	237	691	824	304	137	32	42.7
Dressmakers and seamstresses, except factory	–	628	5	–	16	18	17	96	174	125	72	105	54.3
Laundry and dry cleaning operatives, including ironers	6	1 620	35	62	74	101	106	316	408	257	135	126	47.8
Graders and sorters, manufacturing	–	105	–	–	15	6	–	29	26	7	6	16	46.0
Packers and wrappers, except produce	10	2 641	43	110	298	228	160	587	653	326	189	47	43.2
Sewers and stitchers	–	2 204	11	51	155	168	135	451	508	308	241	176	47.6
Textile operatives	–	366	–	43	47	37	36	80	52	40	19	12	37.5
Other specified operatives	27	6 532	46	259	893	634	657	1 275	1 499	612	387	270	41.1
Miscellaneous and not specified operatives	25	7 035	90	252	959	825	681	1 712	1 544	544	321	107	39.2
Manufacturing	25	6 345	46	196	880	761	643	1 544	1 387	486	305	97	39.2
Durable goods	14	3 826	15	149	580	526	355	917	848	296	104	36	38.1
Machinery, including electrical	14	2 242	10	87	302	313	222	538	536	162	55	17	38.5
Other durable goods	–	1 584	5	62	278	213	133	379	312	134	49	19	37.7
Nondurable goods, including not specified manufacturing	11	2 519	31	47	300	235	288	627	539	190	201	61	40.7
Food and kindred products	7	299	–	–	23	38	14	70	56	25	51	22	45.8
Apparel and other fabricated textile products	–	121	9	5	12	5	5	9	32	12	26	6	49.8
Nonmanufacturing industries	–	690	44	56	79	64	38	168	157	58	16	10	38.8
Transport equipment operatives	4	738	–	17	49	93	93	184	186	44	32	40	41.4
Laborers, except farm	27	2 771	220	210	342	230	234	514	568	213	137	103	37.9
Farmers and farm managers	6	331	–	–	22	14	39	56	91	11	27	71	48.8
Farm laborers and farm foremen	44	505	61	29	45	38	13	115	120	38	22	24	40.8
Paid farm laborers and farm foremen	28	246	38	11	33	32	4	40	45	19	5	19	36.3
Unpaid family workers	16	259	23	18	12	6	9	75	75	19	17	5	43.2
Service workers, except private household[1]	467	39 874	2 684	2 942	5 272	3 128	3 161	7 127	7 796	3 574	2 397	1 793	38.9
Cleaning service workers	41	5 778	238	168	204	173	252	998	1 484	1 005	656	600	50.8
Chambermaids and maids	6	1 287	89	53	76	39	37	250	307	165	153	118	48.2
Food service workers	101	15 380	1 683	1 151	1 337	1 006	1 141	2 955	3 293	1 357	848	609	39.6
Cooks, except private household	5	3 214	115	80	114	112	185	628	1 049	450	291	190	48.6
Waiters and food counter workers	35	7 810	960	783	1 042	766	736	1 527	1 207	421	207	161	32.4
Health service workers	18	9 854	520	1 020	2 138	872	961	1 740	1 383	571	435	214	32.0
Nursing aides, orderlies, and attendants	–	6 407	310	747	1 242	499	662	1 278	918	353	273	125	33.1
Practical nurses	–	1 564	5	36	444	229	214	211	198	105	78	44	31.6
Personal service workers	47	4 566	103	322	1 054	567	337	663	842	326	202	150	33.5
Hairdressers and cosmetologists	11	2 762	5	221	887	444	177	285	402	192	80	69	28.0
Private household workers	561	3 858	325	177	155	167	189	371	632	451	575	816	53.6
Private household workers, living in	6	384	–	16	22	27	10	17	62	33	73	124	60.3
Private household workers, living out	555	3 474	325	161	133	140	179	354	570	418	502	692	52.8

[1] Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

MILWAUKEE SMSA—Continued

Negro

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	257	19 176	516	996	2 730	2 577	2 390	4 891	3 184	883	626	383	35.8
Professional, technical, and kindred workers	9	1 058	33	93	141	236	140	238	136	17	4	20	30.9
Engineers	–	58	–	–	16	15	12	5	10	–	–	–	...
Lawyers and judges	–	7	–	–	–	–	–	–	7	–	–	–	...
Life and physical scientists	–	28	–	–	–	13	–	15	–	–	–	–	...
Physicians, dentists, and related practitioners	–	46	–	–	–	–	6	24	5	7	–	4	...
Health workers, except practitioners	–	66	–	–	–	21	4	20	16	5	–	–	...
Social and recreation workers	5	129	7	6	12	11	21	52	20	–	–	–	36.4
Teachers	–	239	5	13	42	50	52	47	30	–	–	–	30.9
Technicians, except health	–	89	4	19	7	14	6	20	19	–	–	–	...
Writers, artists, and entertainers	–	67	5	17	25	–	–	10	10	–	–	–	...
Other professional, technical, and kindred workers	4	329	12	38	39	112	39	45	19	5	4	16	28.4
Managers and administrators, except farm	–	540	–	13	57	71	94	170	87	26	8	14	37.1
Salaried	–	423	–	13	57	66	69	131	58	17	8	4	35.5
Manufacturing	–	47	–	6	10	–	7	20	–	4	–	–	...
Retail trade	–	146	–	–	19	38	24	45	11	4	5	–	33.3
All other industries	–	230	–	7	28	28	38	66	47	9	3	4	37.1
Self-employed	–	117	–	–	–	5	25	39	29	9	–	10	42.3
Retail trade	–	79	–	–	–	–	17	29	19	9	–	5	...
All other industries	–	38	–	–	–	5	8	10	10	–	–	5	...
Sales workers	80	372	47	57	64	87	45	41	18	5	–	8	26.0
Manufacturing and wholesale trade	61	113	24	21	37	17	6	8	–	–	–	–	21.6
Retail trade	19	159	23	36	22	29	10	22	8	5	–	4	24.7
All other industries	–	100	–	–	5	41	29	11	10	–	–	4	...
Clerical and kindred workers	15	938	47	93	205	136	152	148	95	29	28	5	29.6
Bookkeepers and billing clerks	–	20	4	4	7	5	–	–	–	–	–	–	...
Mail handlers and postal clerks	–	175	14	5	28	5	38	43	38	4	–	–	34.7
Other clerical and kindred workers	15	743	29	84	170	126	114	105	57	25	28	5	28.5
Craftsmen and kindred workers	13	3 257	22	64	450	351	428	1 002	604	181	113	42	38.1
Carpenters	–	38	–	–	–	6	–	5	17	5	–	5	...
Construction craftsmen, except carpenters	5	353	7	13	49	27	52	78	99	22	–	6	38.7
Automobile mechanics, including body repairmen	–	235	–	6	13	4	35	86	73	–	18	–	41.9
Mechanics and repairmen, except auto	4	242	–	9	43	28	32	66	49	6	3	6	36.4
Machinists	–	240	–	–	56	31	48	58	28	14	5	–	33.4
Metal craftsmen, except mechanics and machinists	–	583	–	10	102	63	64	213	100	18	9	4	37.5
Foremen, n.e.c.	–	197	–	–	18	31	22	76	28	12	10	–	38.6
Other craftsmen and kindred workers	4	1 369	15	26	169	161	175	420	210	104	68	21	38.3
Operatives, except transport	44	6 896	67	294	991	1 063	931	1 848	1 163	275	169	95	35.6
Assemblers	–	424	–	17	54	70	65	133	44	41	–	–	35.5
Garage workers and gas station attendants	5	83	–	17	5	20	8	19	11	–	–	3	...
Laundry and drycleaning operatives, including ironers	–	110	–	7	5	10	14	24	33	11	6	–	42.9
Precision machine operatives	–	563	–	15	91	39	109	158	93	46	8	4	36.7
Other operatives, except transport	39	5 716	67	238	836	924	735	1 514	982	177	155	88	35.4
Durable goods, manufacturing	28	3 807	32	178	520	664	466	983	685	132	93	54	35.4
Nondurable goods, including not specified manufacturing	11	1 177	21	22	193	190	173	355	148	24	42	9	34.7
Nonmanufacturing industries	–	732	14	38	123	70	96	176	149	21	20	25	36.4
Transport equipment operatives	4	1 170	11	70	200	122	94	370	197	57	39	10	37.4
Truck drivers	–	488	–	26	73	49	33	169	92	46	–	–	38.7
Other transport equipment operatives	4	682	11	44	127	73	61	201	105	11	39	10	36.2
Laborers, except farm	53	2 803	126	161	314	325	333	622	572	164	142	44	37.3
Construction laborers	–	277	–	5	8	44	34	77	71	11	22	5	41.2
Freight, stock, and material handlers	9	692	73	87	76	62	101	121	122	13	29	8	32.4
Other laborers, except farm	44	1 834	53	69	230	219	198	424	379	140	91	31	38.5
Manufacturing industries	6	913	12	32	120	99	86	221	220	77	38	8	39.9
Farmers and farm managers	–	98	6	–	24	13	–	19	7	5	5	19	...
Farm laborers and farm foremen	–	51	–	10	13	5	–	10	–	6	–	7	...
Service workers, except private household[1]	35	1 967	151	141	271	168	173	408	305	113	118	119	36.9
Cleaning service workers	–	593	24	21	63	15	23	116	119	47	70	95	47.9
Food service workers	19	389	82	33	47	31	32	74	65	20	5	–	30.2
Health service workers	–	160	11	22	20	9	33	41	21	–	3	–	32.7
Personal service workers	–	200	18	17	16	23	13	57	20	17	19	–	37.3
Protective service workers	6	162	–	–	27	16	27	47	21	17	–	7	37.3
Private household workers	4	26	6	–	–	–	–	15	–	5	–	–	...
Female employed	156	15 399	391	621	2 571	2 144	2 258	3 852	2 211	682	399	270	34.4
Professional, technical, and kindred workers	16	1 472	34	44	134	193	345	429	210	55	20	8	34.8
Registered nurses	–	124	–	–	10	5	18	45	31	4	11	–	41.4
Health workers, except nurses	–	150	–	6	11	35	36	45	8	5	–	4	33.2
Teachers, elementary and secondary schools	–	580	6	–	47	86	177	189	70	5	–	–	34.3
Technicians, except health	–	34	–	7	17	5	–	5	–	–	–	–	...
Other professional, technical, and kindred workers	16	584	28	31	49	62	114	145	101	41	9	4	35.6
Managers and administrators, except farm	–	93	–	–	–	17	22	40	10	–	4	–	...
Salaried	–	78	–	–	–	11	22	36	5	–	4	–	...
Self-employed	–	15	–	–	–	6	–	4	5	–	–	–	...
Sales workers	7	428	35	45	104	42	48	73	40	16	13	12	28.6
Retail trade	7	294	35	41	69	24	23	48	40	5	5	4	25.4
Clerical and kindred workers	14	3 337	123	311	1 029	552	343	667	242	28	28	14	26.9
Bookkeepers and cashiers	5	289	16	23	67	84	26	53	20	–	–	–	27.3
Office machine operators	–	336	–	19	117	81	33	65	17	–	–	4	27.0
Secretaries, stenographers, and typists	–	691	27	78	284	118	81	60	29	–	9	5	24.2
Other clerical and kindred workers	9	2 021	80	191	561	269	203	489	176	28	19	5	28.3
Craftsmen and kindred workers	4	219	–	5	42	48	23	69	14	14	4	–	33.2
Operatives, except transport	6	3 537	28	53	535	628	540	971	494	150	62	76	34.9
Sewers and stitchers	–	230	–	–	22	49	40	94	15	10	–	–	35.4
Laundry and drycleaning operatives, including ironers	6	488	9	12	18	75	53	159	82	45	9	26	39.8
Other operatives, except transport	–	2 819	19	41	495	504	447	718	397	95	53	50	33.9
Durable goods, manufacturing	–	1 393	13	18	253	305	239	343	150	27	12	33	32.2
Nondurable goods, including not specified manufacturing	–	861	2	16	154	149	134	200	106	48	41	11	34.1
Nonmanufacturing industries	–	565	4	7	88	50	74	175	141	20	–	6	38.4
Transport equipment operatives	4	59	–	–	–	10	9	19	16	5	–	–	...
Laborers, except farm	17	293	5	20	56	30	43	98	20	10	11	–	34.1
Farmers and farm managers	–	59	–	–	10	10	–	25	9	–	–	5	...
Farm laborers and farm foremen	–	58	–	4	15	18	4	3	–	9	–	5	...
Service workers, except private household[1]	76	4 997	155	131	619	544	793	1 292	952	270	154	87	37.0
Cleaning service workers	–	974	22	5	53	66	84	268	249	144	68	15	44.6
Food service workers	–	931	56	30	112	54	141	242	206	41	24	25	38.0
Health service workers	–	1 903	55	65	308	233	366	518	272	33	38	15	34.0
Practical nurses	–	187	–	–	21	19	55	51	31	5	5	–	34.9
Personal service workers	5	335	4	–	22	27	51	100	108	18	–	5	41.4
Protective service workers	–	36	–	–	4	–	17	4	11	–	–	–	...
Private household workers	12	847	11	8	27	52	88	166	204	125	103	63	48.5

[1]Includes allocated cases not shown separately.

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE												
Total												
Experienced civilian labor force	**1 088 666**	**132 585**	**94 061**	**50 746**	**70 207**	**95 486**	**116 686**	**216 711**	**225 256**	**86 928**	**7 868**	**8 604**
Professional, technical, and kindred workers	**137 449**	**8 962**	**9 671**	**3 963**	**4 842**	**7 325**	**10 623**	**24 983**	**43 059**	**24 021**	**9 868**	**10 776**
Accountants	10 361	488	536	297	358	507	806	2 124	3 501	1 744	10 092	10 829
Architects	752	37	30	9	10	12	31	63	264	296	13 485	13 755
Computer specialists	3 180	143	196	79	130	162	321	744	1 243	162	9 503	10 026
Engineers	21 995	583	554	194	410	586	952	3 404	10 844	4 468	11 989	12 288
Aeronautical and astronautical	34	–	–	–	–	–	6	5	17	6	...	...
Civil	2 737	100	90	27	54	72	131	325	1 305	633	12 182	12 644
Electrical and electronic	4 476	112	111	50	97	119	119	601	2 437	830	12 111	12 476
Mechanical	4 132	97	81	32	47	72	136	561	2 115	991	12 459	12 618
Other engineers	10 616	274	272	85	212	323	560	1 912	4 970	2 008	11 680	11 960
Lawyers and judges	4 742	174	194	76	102	112	106	302	876	2 800	15000+	15000+
Life and physical scientists	2 768	134	190	46	71	139	202	483	1 025	478	10 580	11 350
Chemists	1 552	37	82	39	33	69	88	264	647	293	11 267	11 811
Physicians, dentists, and related practitioners	9 984	335	481	131	150	172	240	635	1 878	5 962	15000+	15000+
Dentists	1 897	96	97	24	44	39	56	91	261	1 189	15000+	15000+
Pharmacists	2 072	100	141	34	15	45	62	193	833	649	12 677	13 200
Physicians, medical and osteopathic	4 614	95	177	48	47	58	94	264	402	3 429	15000+	15000+
Other related practitioners	1 401	44	66	25	44	30	28	87	382	695	14 928	14 879
Health technologists and technicians	1 458	192	127	52	113	144	184	339	270	37	7 549	8 306
Religious workers	5 127	465	1 082	471	489	724	617	655	481	143	6 078	6 245
Social scientists	1 505	77	90	54	16	68	56	192	539	413	11 851	12 614
Social and recreation workers	2 752	278	240	84	149	206	297	612	706	180	8 399	9 242
Teachers	30 518	1 938	2 465	1 150	1 095	1 545	2 695	6 240	9 934	3 456	9 401	10 360
College and university	9 752	745	1 020	427	342	232	235	1 044	3 119	2 588	11 332	13 389
Elementary and prekindergarten	5 969	364	468	266	372	536	753	1 458	1 604	148	8 309	8 585
Secondary	13 285	525	862	379	335	698	1 606	3 521	4 746	613	9 271	9 554
Engineering and science technicians	15 583	978	1 040	433	848	1 509	2 147	4 330	3 813	485	8 386	8 860
Draftsmen and surveyors	7 345	405	544	213	425	803	997	2 000	1 739	219	8 286	8 775
Electrical and electronic engineering technicians	2 314	144	120	96	104	213	289	663	643	42	8 576	9 088
Technicians, except health, and engineering and science	1 809	106	128	39	71	121	225	348	515	256	9 233	9 879
Airplane pilots	509	19	21	7	9	12	44	55	184	158	12 378	12 758
Writers, artists, and entertainers	9 198	1 320	774	331	306	498	780	1 568	2 481	1 140	8 753	9 884
Other professional, technical, and kindred workers	15 717	1 714	1 544	517	524	820	964	2 944	4 689	2 001	9 206	10 018
Managers and administrators, except farm	**107 568**	**4 536**	**4 409**	**2 831**	**3 958**	**5 634**	**7 695**	**17 435**	**31 996**	**29 074**	**11 139**	**11 520**
Buyers, purchasing agents, and sales managers	13 627	361	468	234	439	610	1 016	2 701	4 316	3 482	11 141	11 514
School administrators	3 454	135	100	44	56	63	71	297	1 513	1 175	13 176	13 623
Specified managers and administrators, public administration	6 010	303	169	117	154	396	589	1 399	2 160	723	9 826	9 964
Other specified managers and administrators	18 587	1 027	1 070	609	861	1 144	1 410	3 111	5 472	3 883	10 056	10 584
Managers and administrators, n.e.c., salaried	50 333	1 521	1 338	1 036	1 449	2 255	3 522	7 799	15 128	16 285	12 065	12 414
Manufacturing	16 166	255	229	157	263	379	705	2 052	5 262	6 864	13 842	13 978
Wholesale and retail trade	17 015	654	618	486	712	1 228	1 635	3 474	4 293	3 915	9 828	10 204
Transportation, communications, and other public utilities	4 106	135	79	55	63	180	331	572	1 677	1 014	11 902	12 095
All other industries	13 046	477	412	338	411	468	851	1 701	3 896	4 492	12 393	12 891
Managers and administrators, n.e.c., self-employed	15 557	1 189	1 264	791	999	1 166	1 087	2 128	3 407	3 526	9 205	9 529
Construction	2 399	112	220	107	88	173	129	364	632	574	10 051	11 197
Manufacturing	1 293	81	112	49	74	82	87	149	213	446	10 293	10 714
Wholesale and retail trade	8 798	758	683	508	608	699	718	1 178	1 922	1 724	8 722	9 013
All other industries	3 067	238	249	127	229	212	153	437	640	782	9 490	9 778
Sales workers	**62 280**	**8 204**	**4 443**	**2 357**	**3 174**	**4 174**	**5 133**	**10 335**	**14 878**	**9 582**	**8 707**	**9 589**
Insurance agents, brokers, and underwriters	8 491	346	382	271	449	481	734	1 516	2 416	1 896	10 138	10 859
Real estate agents and brokers	2 923	263	154	85	144	97	143	293	689	1 055	12 050	12 906
Sales representatives, manufacturing industries	8 546	313	276	195	217	513	640	1 739	2 947	1 706	10 645	11 153
Sales representatives, wholesale trade	11 158	516	343	266	532	729	1 117	2 235	3 554	1 866	9 858	10 298
Sales clerks, retail trade	13 952	3 561	2 081	806	1 029	1 193	1 132	1 874	1 477	799	5 513	7 211
Salesmen, retail trade	7 172	605	502	369	410	629	766	1 403	1 698	790	8 435	9 021
Salesmen of services and construction	2 881	301	187	90	89	181	276	490	789	478	9 292	10 265
Other sales workers	7 157	2 299	518	275	304	351	325	785	1 308	992	6 520	8 742
Clerical and kindred workers	**65 699**	**7 946**	**5 668**	**2 971**	**4 132**	**6 840**	**9 882**	**16 085**	**9 967**	**2 208**	**7 536**	**8 147**
Bank tellers and cashiers	1 695	552	307	129	95	156	168	156	121	11	3 925	6 341
Bookkeepers and billing clerks	4 525	493	383	222	369	445	607	867	817	322	7 577	8 125
Mail handlers and postal clerks	9 633	579	416	262	348	958	1 897	3 798	1 248	127	8 188	8 413
Other clerical and kindred workers	49 846	6 322	4 562	2 358	3 320	5 281	7 210	11 264	7 781	1 748	7 427	8 107
Craftsmen and kindred workers	**225 199**	**13 317**	**12 596**	**8 794**	**13 492**	**20 350**	**27 121**	**54 822**	**65 722**	**8 985**	**8 618**	**9 069**
Apparel craftsmen and upholsterers	991	135	86	77	89	174	116	152	119	43	6 624	7 368
Bakers	1 675	217	124	96	121	220	316	279	237	65	7 188	7 647
Cabinetmakers	1 342	110	108	63	157	160	216	252	228	48	7 338	7 782
Construction craftsmen	59 416	4 311	3 802	2 773	4 095	5 294	6 262	12 250	17 942	2 687	8 518	9 281
Carpenters	18 895	1 733	1 560	1 158	1 627	1 917	2 232	3 863	4 307	498	7 651	8 469
Excavating, grading, and road machine operators	6 598	304	357	396	476	865	939	1 434	1 500	327	7 960	8 141
Electricians	9 662	435	374	248	430	530	852	1 920	4 357	516	10 048	10 458
Masons and tile setters	4 737	249	261	170	325	368	383	1 113	1 663	205	9 101	9 845
Painters, construction and maintenance, and paperhangers	6 074	918	620	391	469	614	693	1 225	991	153	7 036	8 116
Plasterers and cement finishers	1 805	68	72	53	170	159	178	406	593	106	8 998	10 788
Plumbers and pipe fitters	8 377	325	300	169	369	612	676	1 630	3 618	678	10 149	10 527
Other construction craftsmen	3 268	279	258	188	229	229	309	659	913	204	8 431	9 420
Foremen, n.e.c.	34 009	730	554	419	824	1 622	3 078	8 754	15 444	2 584	10 331	10 567
Manufacturing	22 949	376	260	244	482	1 010	1 961	6 100	10 901	1 615	10 478	10 657
Nonmanufacturing industries	11 060	354	294	175	342	612	1 117	2 654	4 543	969	9 986	10 339
Linemen and servicemen, telephone and power	7 101	225	342	282	343	579	790	2 005	2 417	118	8 987	9 272
Locomotive engineers and firemen	1 489	42	53	44	15	70	141	304	798	22	10 473	10 885
Mechanics and repairmen	46 671	3 343	3 174	2 424	3 520	5 665	6 899	11 706	8 754	1 186	7 755	8 172
Air conditioning, heating, and refrigeration	1 705	112	113	75	118	167	187	425	443	65	8 379	8 756
Aircraft	483	18	49	47	22	37	33	152	110	15	8 467	8 928
Automobile, including body	19 325	1 548	1 664	1 200	1 812	2 519	2 973	4 267	2 870	472	7 309	7 705
Radio and television	2 259	215	309	186	140	211	217	468	415	98	7 316	8 145
Other mechanics and repairmen	22 899	1 450	1 039	916	1 428	2 731	3 489	6 394	4 916	536	8 124	8 493
Metal craftsmen, except mechanics	35 276	1 214	1 338	1 005	1 625	2 996	4 483	10 019	11 610	986	8 994	9 293
Machinists and job and die setters	16 299	511	585	520	813	1 570	2 339	5 121	4 547	293	8 707	8 995
Sheetmetal workers and tinsmiths	3 769	124	125	96	199	322	427	933	1 451	92	9 268	9 506
Tool and die makers	5 824	198	207	76	142	303	515	1 536	2 559	288	9 915	10 283
Other metal craftsmen	9 384	381	421	313	471	801	1 202	2 429	3 053	313	8 908	9 291
Printing craftsmen	8 551	502	429	245	594	741	1 094	2 565	2 138	243	8 523	8 812
Compositors and typesetters	3 065	193	150	108	244	327	392	994	619	38	8 238	8 535
Pressmen and plate printers, printing	3 659	231	219	110	264	286	528	1 059	868	94	8 362	8 665
Stationary engineers and power station operators	3 876	128	90	67	159	297	596	1 104	1 246	189	9 089	9 290
Other craftsmen and kindred workers	24 802	2 360	2 496	1 299	1 950	2 532	3 130	5 432	4 789	814	7 564	8 137

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Total—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**189 410**	**18 384**	**16 177**	**9 967**	**15 051**	**22 352**	**27 473**	**49 925**	**27 537**	**2 544**	**7 465**	**8 133**
Assemblers	21 321	1 399	1 663	1 177	1 841	3 279	3 845	5 547	2 422	148	7 338	7 910
Checkers, examiners, and inspectors; manufacturing	10 708	254	404	367	661	1 215	1 916	3 784	1 977	130	8 284	8 602
Garage workers and gas station attendants	9 077	4 597	1 971	487	514	431	362	401	219	95	1 975	4 489
Laundry and drycleaning operatives, n.e.c	1 077	230	128	133	169	99	112	128	61	17	5 281	5 877
Meat cutters and butchers	6 692	572	422	275	383	622	803	1 750	1 659	206	8 307	8 803
Mine operatives, n.e.c	642	72	52	45	74	92	97	147	52	11	6 848	7 678
Packers and wrappers, except produce	5 029	839	613	295	508	674	751	993	325	31	6 385	7 344
Painters, manufactured articles	2 817	165	234	180	206	340	460	781	403	48	7 616	8 051
Precision machine operatives	15 844	926	1 114	701	1 061	1 666	2 122	4 930	3 088	236	8 135	8 652
Sawyers	2 576	235	474	364	416	348	299	255	155	30	5 517	6 200
Stationary firemen	2 920	106	92	115	201	373	486	929	586	32	8 187	8 460
Textile operatives	856	93	68	33	112	115	121	218	90	6	7 058	7 732
Welders and flamecutters	16 325	843	957	649	1 150	2 112	2 714	4 818	2 837	245	7 903	8 382
Other metalworking operatives	10 411	813	799	600	985	1 279	1 723	2 702	1 388	122	7 423	7 940
Other specified operatives	24 398	2 628	2 553	1 530	1 834	2 709	3 252	6 019	3 420	453	7 291	8 016
Miscellaneous and not specified operatives	58 717	4 612	4 633	3 016	4 936	6 998	8 410	16 523	8 855	734	7 614	8 198
Occupation:												
Machine operatives, miscellaneous specified	26 560	1 973	1 968	1 380	2 106	3 183	3 706	7 459	4 364	421	7 720	8 267
Machine operatives, not specified	13 029	687	920	645	995	1 580	1 975	4 139	1 986	102	7 854	8 379
Miscellaneous operatives	11 061	1 334	1 125	683	1 126	1 251	1 514	2 559	1 354	115	7 008	7 768
Not specified operatives	8 067	618	620	308	709	984	1 215	2 366	1 151	96	7 654	8 161
Industry:												
Manufacturing	52 032	3 628	3 938	2 683	4 339	6 198	7 588	14 987	8 040	631	7 689	8 245
Durable goods	26 309	1 884	2 131	1 436	2 444	3 350	3 915	6 983	3 859	307	7 488	8 077
Wood products, including furniture	2 664	338	374	379	456	435	283	230	125	44	5 529	6 101
Primary metal industries	4 356	286	271	143	370	540	629	1 195	817	105	7 903	8 440
Fabricated metal industries	3 603	363	302	206	284	418	556	916	527	31	7 411	8 063
Machinery, including electrical	9 966	543	689	435	718	1 066	1 536	3 204	1 685	90	7 997	8 440
Motor vehicles and equipment	1 880	52	110	51	151	411	342	524	228	11	7 482	8 257
Transportation equipment, except motor vehicles	592	41	64	40	159	69	82	113	24	–	5 950	6 563
Other durable goods	3 248	261	321	182	306	411	487	801	453	26	7 294	7 967
Nondurable goods	25 405	1 715	1 779	1 240	1 867	2 804	3 645	7 907	4 129	319	7 905	8 390
Food and kindred products	8 241	827	828	449	801	1 062	1 041	2 101	950	182	7 147	7 743
Apparel and other fabricated textile products	143	15	19	15	23	18	15	28	10	–	5 978	...
Paper and allied products	10 609	335	423	335	574	1 045	1 684	3 949	2 166	98	8 460	8 776
Chemicals and allied products	1 373	41	69	108	83	140	256	421	248	7	7 959	8 262
Other nondurable goods	5 039	497	440	333	386	539	649	1 408	755	32	7 500	8 238
Not specified manufacturing industries	318	29	28	7	28	44	28	97	52	5	7 821	8 250
Nonmanufacturing industries	6 685	984	695	333	597	800	822	1 536	815	103	6 917	7 744
Transportation, communications, and other public utilities	1 250	85	62	50	120	122	220	399	187	5	7 845	8 160
Wholesale and retail trade	3 080	571	419	186	302	378	311	574	289	50	6 164	7 196
All other industries	2 355	328	214	97	175	300	291	563	339	48	7 218	8 059
Transport equipment operatives	**63 777**	**5 446**	**5 056**	**3 405**	**4 980**	**7 083**	**8 670**	**15 285**	**11 780**	**2 072**	**7 683**	**8 319**
Bus drivers	3 470	417	379	273	264	318	538	816	392	73	7 156	7 958
Taxicab drivers and chauffeurs	1 787	239	388	151	159	226	229	262	117	16	5 726	6 589
Truck drivers and deliverymen	46 553	3 768	3 332	2 346	3 667	4 990	5 973	10 874	9 722	1 881	7 866	8 511
Other transport equipment operatives	11 967	1 022	957	635	890	1 549	1 930	3 333	1 549	102	7 482	7 987
Laborers, except farm	**68 169**	**17 973**	**9 698**	**4 245**	**5 906**	**7 245**	**7 966**	**9 801**	**4 609**	**726**	**5 367**	**6 941**
Construction laborers	12 047	1 458	1 211	787	1 218	1 559	1 774	2 356	1 486	198	6 866	7 669
Freight, stock, and material handlers	25 348	8 379	3 942	1 318	1 706	2 383	2 770	3 302	1 388	160	4 268	6 737
Other specified laborers	14 333	4 641	2 228	869	1 286	1 227	1 363	1 555	901	263	4 342	6 540
Miscellaneous and not specified laborers	16 441	3 495	2 317	1 271	1 696	2 076	2 059	2 588	834	105	5 671	6 946
Occupation:												
Miscellaneous laborers	4 392	676	576	258	375	611	607	910	343	36	6 509	7 393
Not specified laborers	12 049	2 819	1 741	1 013	1 321	1 465	1 452	1 678	491	69	5 342	6 755
Industry:												
Manufacturing	10 462	1 653	1 337	906	1 191	1 348	1 453	1 878	632	64	6 107	7 154
Durable goods	6 834	976	934	630	840	878	892	1 219	425	40	6 042	7 042
Wood products, including furniture	803	169	157	162	129	71	46	47	16	6	4 466	5 264
Metal industries	2 466	319	349	204	301	321	278	475	215	4	6 187	7 107
Machinery, including electrical	2 062	266	243	133	230	318	346	389	115	22	6 500	7 212
Transportation equipment	765	69	60	81	102	98	124	181	46	4	6 719	7 905
Other durable goods	738	153	125	50	78	70	98	127	33	4	5 526	7 201
Nondurable goods	3 610	667	403	272	351	466	561	659	207	24	6 240	7 315
Food and kindred products	1 730	369	197	127	176	185	250	304	117	5	5 977	7 236
Not specified manufacturing industries	18	10	–	4	–	4	–	–	–	–	...	...
Nonmanufacturing industries	5 979	1 842	980	365	505	728	606	710	202	41	4 459	6 579
Railroads and railway express service	738	69	102	57	108	159	129	71	43	–	6 208	6 757
Transportation, except railroads	274	52	74	11	14	12	43	58	10	–	5 000	7 325
Communications, and utilities and sanitary services	812	128	58	43	72	115	169	190	26	11	6 913	7 304
Wholesale and retail trade	2 143	833	382	151	182	211	108	203	68	5	3 249	5 796
All other industries	2 012	760	364	103	129	231	157	188	55	25	3 352	6 526
Farmers and farm managers	**67 917**	**13 180**	**13 323**	**5 701**	**7 040**	**4 817**	**3 658**	**6 273**	**7 856**	**6 049**	**5 249**	**5 356**
Farm laborers and farm foremen	**18 381**	**10 212**	**3 425**	**1 235**	**1 104**	**758**	**498**	**487**	**483**	**179**	**1 800**	**2 482**
Paid farm laborers and farm foremen	16 467	8 831	3 199	1 199	1 052	694	474	453	438	127	1 865	2 738
Unpaid family workers	1 914	1 381	226	36	52	64	24	34	45	52	1 386	1 464
Service workers, except private household[1]	**82 465**	**24 206**	**9 555**	**5 248**	**6 522**	**8 892**	**7 962**	**11 253**	**7 364**	**1 463**	**5 341**	**6 928**
Cleaning service workers	28 541	7 961	3 192	2 342	3 082	4 288	3 316	2 856	1 310	194	5 252	6 333
Food service workers	21 521	10 703	3 164	1 106	1 144	1 308	945	1 325	1 308	518	2 036	5 710
Cooks, except private household	5 742	2 812	954	267	299	280	287	439	350	54	2 124	5 411
Busboys and dishwashers	4 559	3 992	441	54	22	20	11	6	8	5	1 142	1 579
Health service workers	3 396	810	734	338	405	506	320	180	79	24	4 456	5 769
Personal service workers	6 618	1 867	783	522	575	673	533	730	612	323	5 238	6 819
Protective service workers	17 224	1 236	843	623	963	1 679	2 403	5 509	3 651	317	8 314	8 660
Firemen, fire protection	3 474	51	15	22	68	256	415	1 582	976	89	9 150	9 188
Guards and watchmen	4 962	762	552	387	522	573	673	982	474	37	6 450	7 301
Policemen and detectives	7 459	185	221	176	284	672	1 117	2 590	2 028	186	8 830	9 001
Private household workers	**352**	**219**	**40**	**29**	**6**	**16**	**5**	**27**	**5**	**5**	**1 607**	**3 519**

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Negro												
Experienced civilian labor force	**24 027**	**3 516**	**2 988**	**1 701**	**2 388**	**3 147**	**2 927**	**4 480**	**2 538**	**342**	**6 451**	**7 280**
Professional, technical, and kindred workers	**1 381**	**234**	**144**	**63**	**60**	**122**	**87**	**265**	**306**	**100**	**7 776**	**9 113**
Accountants	49	12	–	6	–	–	–	14	11	6	...	...
Architects	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	20	3	–	–	–	13	–	4	–	–	...	...
Engineers	68	–	15	–	–	–	6	9	38	–	...	...
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–	–
Civil	11	–	–	–	–	–	–	5	6	–	...	...
Electrical and electronic	39	–	9	–	–	–	–	4	26	–	...	...
Mechanical	6	–	–	–	–	–	6	–	–	–	...	...
Other engineers	12	–	6	–	–	–	–	–	6	–	...	...
Lawyers and judges	14	–	7	–	–	–	–	–	4	3	...	...
Life and physical scientists	32	4	–	6	–	–	–	14	8	–	...	...
Chemists	20	–	–	6	–	–	–	14	–	–	...	...
Physicians, dentists, and related practitioners	62	–	4	–	–	7	–	12	7	32	...	...
Dentists	–	–	–	–	–	–	–	–	–	–	–	–
Pharmacists	9	–	4	–	–	–	–	–	–	5	...	...
Physicians, medical and osteopathic	53	–	–	–	–	7	–	12	7	27	...	...
Other related practitioners	–	–	–	–	–	–	–	–	–	–	–	–
Health technologists and technicians	41	5	–	–	5	14	7	–	10	–	...	...
Religious workers	31	4	–	9	4	–	5	9	–	–	...	...
Social scientists	13	–	–	–	–	–	–	–	–	13	...	–
Social and recreation workers	172	19	19	5	10	25	5	35	50	4	8 171	9 857
Teachers	327	50	29	13	4	20	19	94	88	10	8 606	10 089
College and university	73	–	17	–	–	11	–	17	18	10	...	...
Elementary and prekindergarten	113	18	–	7	–	–	6	39	43	–	9 308	...
Secondary	118	30	12	6	4	9	6	29	22	–	6 778	...
Engineering and science technicians	112	25	12	6	11	20	4	12	22	–	6 100	...
Draftsmen and surveyors	21	4	–	–	4	10	–	–	3	–	...	...
Electrical and electronic engineering technicians	24	–	8	–	–	–	–	3	13	–	...	...
Technicians, except health, and engineering and science	4	4	–	–	–	–	–	–	–	–	...	–
Airplane pilots	–	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	87	28	23	6	5	–	6	14	5	–	...	...
Other professional, technical, and kindred workers	349	80	35	12	21	23	35	48	63	32	7 100	9 024
Managers and administrators, except farm	**599**	**52**	**43**	**79**	**51**	**46**	**35**	**66**	**162**	**65**	**7 814**	**8 673**
Buyers, purchasing agents, and sales managers	15	–	–	–	–	–	–	4	11	–	...	...
School administrators	43	–	4	–	5	4	–	6	16	8	...	...
Specified managers and administrators, public administration	47	–	–	4	–	4	–	5	29	5	...	...
Other specified managers and administrators	182	21	22	37	16	24	11	29	17	5	5 688	6 167
Managers and administrators, n.e.c., salaried	249	31	17	22	27	5	24	22	74	27	7 938	9 364
Manufacturing	48	6	3	–	–	–	6	4	21	8	...	...
Wholesale and retail trade	86	6	4	11	20	5	9	18	13	–	...	...
Transportation, communications, and other public utilities	21	5	–	5	7	–	4	–	–	–	...	...
All other industries	94	14	10	6	–	–	5	–	40	19	...	...
Managers and administrators, n.e.c., self-employed	63	–	–	16	3	9	–	–	15	20	...	...
Construction	7	–	–	–	–	–	–	–	7	–	...	...
Manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Wholesale and retail trade	36	–	–	11	3	9	–	–	8	5	...	...
All other industries	20	–	–	5	–	–	–	–	–	15	...	...
Sales workers	**436**	**138**	**63**	**37**	**37**	**53**	**42**	**17**	**34**	**15**	**4 459**	**6 188**
Insurance agents, brokers, and underwriters	70	–	7	7	19	7	17	–	13	–	...	...
Real estate agents and brokers	30	6	5	–	–	–	–	5	4	10	...	...
Sales representatives, manufacturing industries	42	–	–	–	–	19	10	4	4	5	...	...
Sales representatives, wholesale trade	10	–	6	–	–	–	4	–	–	–	...	...
Sales clerks, retail trade	119	49	29	12	14	–	6	–	9	–	2 724	...
Salesmen, retail trade	40	9	–	6	4	14	–	3	4	–	...	...
Salesmen of services and construction	17	4	–	6	–	7	–	–	–	–	...	...
Other sales workers	108	70	16	6	–	6	5	5	–	–	1 543	...
Clerical and kindred workers	**1 206**	**238**	**164**	**95**	**83**	**165**	**138**	**230**	**88**	**5**	**6 139**	**7 246**
Bank tellers and cashiers	28	12	16	–	–	–	–	–	–	–	...	...
Bookkeepers and billing clerks	35	7	–	–	23	5	–	–	–	–	...	...
Mail handlers and postal clerks	227	46	–	8	13	37	14	86	23	–	7 679	8 507
Other clerical and kindred workers	916	173	148	87	47	123	124	144	65	5	6 024	7 185
Craftsmen and kindred workers	**4 082**	**359**	**490**	**245**	**404**	**645**	**600**	**758**	**543**	**38**	**6 842**	**7 208**
Apparel craftsmen and upholsterers	25	7	–	–	10	8	–	–	–	–	...	...
Bakers	34	17	–	–	4	–	13	–	–	–	...	...
Cabinetmakers	3	–	–	–	–	–	3	–	–	–	...	...
Construction craftsmen	527	72	77	34	49	49	58	115	73	–	6 643	7 730
Carpenters	71	6	10	–	4	5	7	19	20	–	...	...
Excavating, grading, and road machine operators	98	13	22	4	14	–	9	9	27	–	...	...
Electricians	67	11	8	5	–	6	18	9	10	–	...	...
Masons and tile setters	40	–	5	–	12	–	6	11	6	–	...	...
Painters, construction and maintenance, and paperhangers	142	32	15	18	10	25	14	28	–	–	5 600	...
Plasterers and cement finishers	81	5	4	7	9	13	4	35	4	–	...	...
Plumbers and pipe fitters	28	5	13	–	–	–	–	4	6	–	...	...
Other construction craftsmen	–	–	–	–	–	–	–	–	–	–	–	–
Foremen, n.e.c.	277	20	2	11	16	52	44	44	79	9	7 852	7 729
Manufacturing	224	8	2	6	12	47	44	30	70	5	7 841	7 792
Nonmanufacturing industries	53	12	–	5	4	5	–	14	9	4	...	...
Linemen and servicemen, telephone and power	85	8	14	4	11	18	14	16	–	–	...	...
Locomotive engineers and firemen	15	7	–	–	–	5	3	–	–	–	...	...
Mechanics and repairmen	574	28	53	33	50	78	92	120	104	16	7 489	7 780
Air conditioning, heating, and refrigeration	7	–	–	–	–	–	–	–	7	–	...	...
Aircraft	2	–	–	–	–	–	–	–	2	–	...	...
Automobile, including body	289	10	39	20	37	35	41	58	43	6	7 085	7 594
Radio and television	18	3	4	–	5	–	6	–	–	–	...	...
Other mechanics and repairmen	258	15	10	13	8	43	45	62	52	10	7 889	7 932
Metal craftsmen, except mechanics	1 146	64	128	78	129	227	157	194	156	13	6 767	6 893
Machinists and job and die setters	480	30	59	16	52	105	41	88	85	4	6 790	6 856
Sheetmetal workers and tinsmiths	18	–	–	–	6	12	–	–	–	–	...	...
Tool and die makers	54	3	15	–	–	5	15	6	10	–	...	...
Other metal craftsmen	594	31	54	62	71	105	101	100	61	9	6 752	6 861
Printing craftsmen	83	22	12	7	4	11	10	17	–	–	...	...
Compositors and typesetters	27	5	–	–	4	6	–	12	–	–	...	...
Pressmen and plate printers, printing	51	17	7	7	–	5	10	5	–	–	...	...
Stationary engineers and power station operators	59	–	–	–	10	22	3	–	24	–	...	...
Other craftsmen and kindred workers	1 254	114	204	78	121	175	203	252	107	–	6 629	7 163

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Negro—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**8 645**	**771**	**993**	**565**	**952**	**1 146**	**1 319**	**2 030**	**989**	**80**	**6 909**	**7 743**
Assemblers	716	51	111	20	96	148	132	113	41	4	6 541	7 231
Checkers, examiners, and inspectors; manufacturing	260	5	22	17	42	39	22	86	27	–	7 227	8 342
Garage workers and gas station attendants	112	4	54	5	25	–	17	3	4	–	3 926	...
Laundry and drycleaning operatives, n.e.c	50	5	3	10	20	3	–	5	4	–	...	...
Meat cutters and butchers	231	20	6	–	18	25	30	71	56	5	8 465	9 016
Mine operatives, n.e.c	10	–	–	–	–	–	5	–	5	–	...	...
Packers and wrappers, except produce	140	47	6	27	21	12	–	19	8	–	4 630	...
Painters, manufactured articles	130	12	10	6	24	18	25	27	4	4	6 722	...
Precision machine operatives	763	82	99	55	57	109	92	180	76	13	6 812	7 878
Sawyers	17	–	5	6	–	–	3	3	–	–	...	...
Stationary firemen	60	10	–	–	3	6	–	23	18	–	...	...
Textile operatives	40	–	–	–	11	19	5	5	–	–	...	...
Welders and flamecutters	1 163	47	86	35	71	174	146	366	225	13	8 123	8 564
Other metalworking operatives	730	53	56	67	54	115	118	169	93	5	7 169	7 841
Other specified operatives	1 771	179	299	138	170	199	203	398	171	14	6 500	7 310
Miscellaneous and not specified operatives	2 452	256	236	179	340	279	321	562	257	22	6 771	7 649
Occupation:												
Machine operatives, miscellaneous specified	959	97	83	83	119	138	128	207	94	10	6 707	7 494
Machine operatives, not specified	660	44	75	32	99	77	78	202	50	3	7 038	8 006
Miscellaneous operatives	579	73	30	36	87	60	82	123	85	3	7 043	7 612
Not specified operatives	254	42	48	28	35	4	33	30	28	6	5 257	7 295
Industry:												
Manufacturing	2 164	227	190	159	308	262	261	509	226	22	6 756	7 619
Durable goods	1 554	183	126	117	187	194	195	357	183	12	6 845	7 667
Wood products, including furniture	15	5	–	–	–	6	4	–	–	–	...	...
Primary metal industries	460	55	19	32	77	78	50	91	52	6	6 603	7 385
Fabricated metal industries	126	7	26	6	21	–	33	24	9	–	7 091	...
Machinery, including electrical	556	80	38	51	43	50	59	175	60	–	7 271	8 083
Motor vehicles and equipment	264	20	29	10	23	43	22	62	49	6	7 318	8 467
Transportation equipment, except motor vehicles	19	–	–	–	10	–	–	5	4	–	...	...
Other durable goods	114	16	14	18	13	17	27	–	9	–	5 692	...
Nondurable goods	576	38	64	42	116	61	59	143	43	10	6 459	7 474
Food and kindred products	147	14	11	11	23	14	22	27	25	–	7 023	...
Apparel and other fabricated textile products	6	–	–	6	–	–	–	–	–	–	...	...
Paper and allied products	74	13	12	–	26	6	8	–	4	5	...	...
Chemicals and allied products	24	–	–	6	–	–	–	12	6	–	...	...
Other nondurable goods	325	11	41	19	67	41	29	104	8	5	6 598	7 679
Not specified manufacturing industries	34	6	–	–	5	7	7	9	–	–	...	...
Nonmanufacturing industries	288	29	46	20	32	17	60	53	31	–	7 000	7 803
Transportation, communications, and other public utilities	30	–	6	–	6	–	–	18	–	–	...	...
Wholesale and retail trade	201	29	34	14	19	17	33	31	24	–	6 265	7 706
All other industries	57	–	6	6	7	–	27	4	7	–	...	...
Transport equipment operatives	**1 438**	**172**	**151**	**111**	**139**	**187**	**205**	**349**	**105**	**19**	**6 781**	**7 594**
Bus drivers	76	–	–	8	4	4	16	41	3	–	...	...
Taxicab drivers and chauffeurs	93	11	23	5	15	21	6	–	6	6	...	...
Truck drivers and deliverymen	716	78	80	44	98	85	92	169	57	13	6 682	7 746
Other transport equipment operatives	553	83	48	54	22	77	91	139	39	–	6 903	7 413
Laborers, except farm	**3 678**	**758**	**493**	**264**	**436**	**472**	**465**	**596**	**183**	**11**	**5 743**	**6 819**
Construction laborers	436	39	29	47	70	53	74	83	41	–	6 623	7 432
Freight, stock, and material handlers	903	209	86	55	108	104	165	154	22	–	5 940	7 225
Other specified laborers	1 052	327	186	71	138	95	88	96	51	–	4 183	5 833
Miscellaneous and not specified laborers	1 287	183	192	91	120	220	138	263	69	11	6 261	6 922
Occupation:												
Miscellaneous laborers	570	84	66	28	37	107	51	153	44	–	6 654	7 516
Not specified laborers	717	99	126	63	83	113	87	110	25	11	5 849	6 660
Industry:												
Manufacturing	1 001	124	135	67	85	184	112	232	58	4	6 486	7 130
Durable goods	882	97	131	47	60	173	100	218	52	4	6 613	7 209
Wood products, including furniture	–	–	–	–	–	–	–	–	–	–	–	–
Metal industries	428	63	57	28	44	82	45	84	25	–	6 268	6 700
Machinery, including electrical	261	13	40	10	6	57	31	87	13	4	7 145	8 063
Transportation equipment	150	15	15	4	10	27	18	47	14	–	7 222	...
Other durable goods	43	6	19	5	–	7	6	–	–	–	...	...
Nondurable goods	119	27	4	20	25	11	12	14	6	–	5 340	...
Food and kindred products	43	10	4	5	7	5	12	–	–	–	...	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	286	59	57	24	35	36	26	31	11	7	5 086	6 313
Railroads and railway express service	35	–	5	7	12	6	–	5	–	–	...	...
Transportation, except railroads	6	–	6	–	–	–	–	–	–	–	...	...
Communications, and utilities and sanitary services	69	23	6	5	4	–	12	13	6	–	...	...
Wholesale and retail trade	87	8	27	12	16	15	4	–	5	–	...	...
All other industries	89	28	13	–	3	15	10	13	–	7	...	...
Farmers and farm managers	**156**	**90**	**24**	**4**	**12**	**6**	**–**	**15**	**5**	**–**	**1 733**	**1 892**
Farm laborers and farm foremen	**67**	**45**	**–**	**–**	**5**	**–**	**6**	**6**	**5**	**–**	...	...
Paid farm laborers and farm foremen	67	45	–	–	5	–	6	6	5	–	...	...
Unpaid family workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, except private household[1]	**2 314**	**649**	**419**	**230**	**206**	**305**	**230**	**148**	**118**	**9**	**4 387**	**5 894**
Cleaning service workers	773	146	116	119	113	108	90	56	25	–	5 049	5 789
Food service workers	452	226	60	36	29	43	26	11	12	9	2 000	4 960
Cooks, except private household	108	37	17	9	4	11	12	6	12	–	4 000	...
Busboys and dishwashers	162	132	20	10	–	–	–	–	–	–	1 227	...
Health service workers	187	43	55	14	17	31	7	15	5	–	3 836	...
Personal service workers	237	55	40	25	26	42	33	11	5	–	4 940	6 167
Protective service workers	197	30	21	16	7	12	21	32	58	–	7 595	8 741
Firemen, fire protection	9	–	–	–	–	–	–	5	4	–	...	...
Guards and watchmen	113	24	12	11	–	12	18	11	25	–	6 792	...
Policemen and detectives	71	6	9	5	7	–	3	12	29	–	...	...
Private household workers	**25**	**10**	**4**	**8**	**3**	**–**	**–**	**–**	**–**	**–**	...	...

[1] Includes allocated cases not shown separately.

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Persons of Spanish Language												
Experienced civilian labor force	**8 962**	**921**	**889**	**627**	**676**	**1 055**	**1 122**	**1 875**	**1 364**	**433**	**7 279**	**8 007**
Professional, technical, and kindred workers	**1 008**	**60**	**118**	**5**	**87**	**73**	**78**	**168**	**230**	**189**	**8 988**	**10 000**
Accountants	54	6	–	–	–	6	–	8	14	20	...	...
Architects	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	20	–	–	–	–	–	5	–	15	–	...	...
Engineers	127	8	–	–	–	8	17	14	59	21	11 398	11 582
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–	–
Civil	14	–	–	–	–	–	–	–	6	8	...	...
Electrical and electronic	23	–	–	–	–	8	8	7	–	–	...	...
Mechanical	32	–	–	–	–	–	–	–	27	5	...	...
Other engineers	58	8	–	–	–	–	9	7	26	8	...	...
Lawyers and judges	11	–	–	–	–	–	–	–	–	11	...	...
Life and physical scientists	48	–	–	–	–	7	15	15	5	6	...	...
Chemists	21	–	–	–	–	–	9	7	5	–	...	...
Physicians, dentists, and related practitioners	135	–	11	–	13	–	10	–	38	63	14 408	15000+
Dentists	6	–	6	–	–	–	–	–	–	–	...	–
Pharmacists	19	–	–	–	6	–	–	–	7	6	...	...
Physicians, medical and osteopathic	95	–	5	–	–	–	10	–	23	57	...	...
Other related practitioners	15	–	–	–	7	–	–	–	8	–	...	...
Health technologists and technicians	28	–	5	–	–	8	–	10	5	–	...	...
Religious workers	–	–	–	–	–	–	–	–	–	–	–	–
Social scientists	5	–	–	–	–	–	–	5	–	–	...	...
Social and recreation workers	30	–	–	–	23	–	–	–	–	7	...	...
Teachers	269	20	41	5	23	16	11	48	65	40	8 771	11 357
College and university	151	7	41	–	15	7	7	19	15	40	7 786	...
Elementary and prekindergarten	15	–	–	–	–	–	–	–	15	–	...	...
Secondary	66	7	–	–	–	9	–	29	21	–	...	...
Engineering and science technicians	87	6	11	–	16	–	6	27	15	6	...	...
Draftsmen and surveyors	46	–	4	–	9	–	–	27	–	6	...	...
Electrical and electronic engineering technicians	8	–	–	–	–	–	–	–	8	–	...	...
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	–	–	–	–	–
Airplane pilots	–	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	49	–	7	–	5	7	7	23	–	–	...	...
Other professional, technical, and kindred workers	145	20	43	–	7	21	7	18	14	15	6 119	...
Managers and administrators, except farm	**426**	**15**	**45**	**18**	**45**	**28**	**23**	**32**	**107**	**113**	**10 327**	**11 443**
Buyers, purchasing agents, and sales managers	44	–	–	–	–	–	–	15	12	17	...	...
School administrators	7	–	–	–	–	–	–	–	7	–	...	...
Specified managers and administrators, public administration	12	–	–	–	–	–	5	–	7	–	...	...
Other specified managers and administrators	86	6	13	–	23	–	5	10	21	8	...	...
Managers and administrators, n.e.c., salaried	215	–	32	18	7	7	13	7	56	75	12 098	13 804
Manufacturing	56	–	–	–	–	–	–	–	11	45	...	...
Wholesale and retail trade	72	–	24	18	–	–	–	–	25	5	...	...
Transportation, communications, and other public utilities	15	–	–	–	–	–	7	–	–	8	...	...
All other industries	72	–	8	–	7	7	6	7	20	17	...	...
Managers and administrators, n.e.c., self-employed	62	9	–	–	15	21	–	–	4	13	...	...
Construction	17	9	–	–	–	–	–	–	–	8	...	...
Manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Wholesale and retail trade	45	–	–	–	15	21	–	–	4	5	...	...
All other industries	–	–	–	–	–	–	–	–	–	–	–	–
Sales workers	**347**	**39**	**39**	**13**	**–**	**23**	**62**	**63**	**82**	**26**	**7 960**	**8 842**
Insurance agents, brokers, and underwriters	36	–	–	7	–	–	–	10	19	–	...	...
Real estate agents and brokers	5	5	–	–	–	–	–	–	–	–	...	–
Sales representatives, manufacturing industries	38	–	–	–	–	6	5	13	8	6	...	...
Sales representatives, wholesale trade	76	–	6	–	–	–	31	12	20	7	...	...
Sales clerks, retail trade	97	17	19	6	–	8	17	24	6	–	...	...
Salesmen, retail trade	23	–	8	–	–	9	–	–	6	–	...	...
Salesmen of services and construction	37	9	6	–	–	–	–	4	18	–	...	...
Other sales workers	35	8	–	–	–	–	9	–	5	13	...	...
Clerical and kindred workers	**524**	**64**	**85**	**41**	**11**	**83**	**54**	**149**	**37**	**–**	**6 735**	**7 515**
Bank tellers and cashiers	–	–	–	–	–	–	–	–	–	–	–	–
Bookkeepers and billing clerks	8	–	–	–	–	–	8	–	–	–	...	–
Mail handlers and postal clerks	82	8	16	–	–	18	11	29	–	–	...	...
Other clerical and kindred workers	434	56	69	41	11	65	35	120	37	–	6 615	7 448
Craftsmen and kindred workers	**1 635**	**89**	**79**	**51**	**107**	**190**	**222**	**444**	**396**	**57**	**8 358**	**8 688**
Apparel craftsmen and upholsterers	39	5	–	6	6	6	5	4	7	–	...	...
Bakers	10	–	–	–	–	–	10	–	–	–	...	...
Cabinetmakers	13	–	–	–	–	–	7	–	6	–	...	...
Construction craftsmen	300	22	–	–	20	33	30	73	116	6	9 233	9 579
Carpenters	30	–	–	–	5	6	7	12	–	–	...	...
Excavating, grading, and road machine operators	30	–	–	–	9	14	–	–	7	–	...	...
Electricians	55	5	–	–	–	–	–	13	37	–	...	...
Masons and tile setters	18	–	–	–	6	–	–	12	–	–	...	...
Painters, construction and maintenance, and paperhangers	74	17	–	–	–	6	9	29	7	6	...	...
Plasterers and cement finishers	44	–	–	–	–	7	7	–	30	–	...	...
Plumbers and pipe fitters	18	–	–	–	–	–	–	–	18	–	...	...
Other construction craftsmen	31	–	–	–	–	–	7	7	17	–	...	...
Foremen, n.e.c	209	8	8	–	–	6	28	84	53	22	9 298	9 423
Manufacturing	138	8	–	–	–	–	13	70	33	14	9 371	9 406
Nonmanufacturing industries	71	–	8	–	–	6	15	14	20	8	...	...
Linemen and servicemen, telephone and power	47	–	–	–	–	6	14	15	12	–	...	...
Locomotive engineers and firemen	16	–	–	–	–	–	–	6	10	–	...	...
Mechanics and repairmen	285	–	33	13	30	35	46	72	50	6	7 685	7 793
Air conditioning, heating, and refrigeration	8	–	–	–	–	8	–	–	–	–	...	...
Aircraft	6	–	–	–	–	–	–	6	–	–	...	...
Automobile, including body	114	–	13	–	23	7	–	35	30	6	8 800	9 029
Radio and television	16	–	–	–	–	10	–	6	–	–	...	...
Other mechanics and repairmen	141	–	20	13	7	10	46	25	20	–	7 446	7 467
Metal craftsmen, except mechanics	448	14	21	32	33	90	46	111	98	3	7 739	8 375
Machinists and job and die setters	213	14	16	19	–	45	13	48	58	–	7 962	9 024
Sheetmetal workers and tinsmiths	39	–	–	–	10	11	7	–	11	–	...	...
Tool and die makers	16	–	–	–	–	–	–	10	6	–	...	...
Other metal craftsmen	180	–	5	13	23	34	26	53	23	3	7 577	7 932
Printing craftsmen	49	9	–	–	6	8	7	6	13	–	...	...
Compositors and typesetters	9	9	–	–	–	–	–	–	–	–	...	–
Pressmen and plate printers, printing	25	–	–	–	6	–	–	6	13	–	...	...
Stationary engineers and power station operators	12	–	–	–	–	–	–	–	7	5	...	...
Other craftsmen and kindred workers	207	31	17	–	12	6	29	73	24	15	8 233	8 846

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Persons of Spanish Language—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**3 035**	**218**	**301**	**310**	**255**	**421**	**438**	**726**	**338**	**28**	**7 029**	**7 527**
Assemblers	331	23	32	88	47	44	18	64	15	–	5 479	6 432
Checkers, examiners, and inspectors; manufacturing	124	–	7	13	6	29	20	42	7	–	7 350	7 269
Garage workers and gas station attendants	40	26	7	–	–	7	–	–	–	–	...	...
Laundry and drycleaning operatives, n.e.c	13	–	–	–	–	5	–	8	–	–	...	...
Meat cutters and butchers	58	–	–	–	–	13	–	28	12	5	...	...
Mine operatives, n.e.c	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except produce	149	19	43	20	7	15	23	22	–	–	4 625	...
Painters, manufactured articles	72	–	10	9	8	–	9	16	15	5	...	...
Precision machine operatives	374	12	67	14	19	59	44	104	55	–	7 364	7 225
Sawyers	11	–	–	6	–	–	–	5	–	–	...	...
Stationary firemen	53	–	5	7	–	–	23	7	11	–	...	...
Textile operatives	18	–	–	–	–	13	–	5	–	–	...	...
Welders and flamecutters	260	7	16	–	24	54	46	71	36	6	7 630	8 100
Other metalworking operatives	235	11	42	23	12	22	30	68	20	7	7 250	8 175
Other specified operatives	201	2	38	13	24	14	37	43	30	–	7 257	8 000
Miscellaneous and not specified operatives	1 096	118	34	117	108	146	188	243	137	5	7 133	7 417
Occupation:												
Machine operatives, miscellaneous specified	485	54	10	56	34	55	86	120	70	–	7 390	7 557
Machine operatives, not specified	290	24	18	20	36	38	59	71	19	5	7 153	7 610
Miscellaneous operatives	207	35	–	19	13	38	43	39	20	–	6 961	7 216
Not specified operatives	114	5	6	22	25	15	–	13	28	–	5 960	...
Industry:												
Manufacturing	1 021	108	23	117	90	146	173	236	128	–	7 153	7 433
Durable goods	617	63	18	61	31	77	112	152	103	–	7 522	7 866
Wood products, including furniture	7	7	–	–	–	–	–	–	–	–	...	–
Primary metal industries	306	29	18	37	7	24	67	99	25	–	7 567	7 821
Fabricated metal industries	79	6	–	6	6	28	–	14	19	–	...	...
Machinery, including electrical	148	15	–	18	–	8	37	25	45	–	7 892	9 240
Motor vehicles and equipment	39	–	–	–	6	17	8	8	–	–	...	...
Transportation equipment, except motor vehicles	–	–	–	–	–	–	–	–	–	–	–	–
Other durable goods	38	6	–	–	12	–	–	6	14	–	...	...
Nondurable goods	395	36	5	56	59	69	61	84	25	–	6 601	6 688
Food and kindred products	93	9	–	23	7	29	7	18	–	–	...	...
Apparel and other fabricated textile products	6	–	–	–	–	–	–	6	–	–	...	–
Paper and allied products	88	14	5	13	6	13	24	13	–	–	...	...
Chemicals and allied products	43	–	–	6	–	7	7	23	–	–	...	...
Other nondurable goods	165	13	–	14	46	20	23	24	25	–	6 475	6 700
Not specified manufacturing industries	9	9	–	–	–	–	–	–	–	–	...	...
Nonmanufacturing industries	75	10	11	–	18	–	15	7	9	5	...	...
Transportation, communications, and other public utilities	6	–	–	–	6	–	–	–	–	–	...	–
Wholesale and retail trade	55	10	6	–	12	–	15	7	–	5	...	...
All other industries	14	–	5	–	–	–	–	–	9	–	...	...
Transport equipment operatives	**469**	**43**	**42**	**16**	**21**	**102**	**56**	**101**	**81**	**7**	**7 188**	**8 069**
Bus drivers	12	–	–	–	–	7	–	–	5	–	...	...
Taxicab drivers and chauffeurs	7	–	7	–	–	–	–	–	–	–	...	–
Truck drivers and deliverymen	265	33	21	16	12	58	44	34	40	7	6 871	7 276
Other transport equipment operatives	185	10	14	–	9	37	12	67	36	–	8 313	8 851
Laborers, except farm	**701**	**126**	**81**	**71**	**79**	**57**	**94**	**129**	**64**	–	**5 918**	**7 320**
Construction laborers	37	5	9	–	–	6	4	8	5	–	...	...
Freight, stock, and material handlers	172	20	41	24	28	14	15	17	13	–	5 036	...
Other specified laborers	105	37	15	6	12	5	–	20	10	–	4 083	...
Miscellaneous and not specified laborers	387	64	16	41	39	32	75	84	36	–	7 020	7 602
Occupation:												
Miscellaneous laborers	122	15	6	13	7	–	24	36	21	–	7 833	...
Not specified laborers	265	49	10	28	32	32	51	48	15	–	6 422	7 267
Industry:												
Manufacturing	317	54	6	35	26	24	65	71	36	–	7 208	7 797
Durable goods	242	32	6	26	6	6	65	65	36	–	7 692	7 958
Wood products, including furniture	–	–	–	–	–	–	–	–	–	–	–	–
Metal industries	171	17	6	26	–	6	43	44	29	–	7 709	8 308
Machinery, including electrical	53	15	–	–	6	–	14	11	7	–	...	...
Transportation equipment	8	–	–	–	–	–	8	–	–	–	...	...
Other durable goods	10	–	–	–	–	–	–	10	–	–	...	...
Nondurable goods	75	22	–	9	20	18	–	6	–	–	...	...
Food and kindred products	27	–	–	–	20	7	–	–	–	–	...	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	70	10	10	6	13	8	10	13	–	–	...	...
Railroads and railway express service	23	–	–	–	7	8	–	8	–	–	...	...
Transportation, except railroads	–	–	–	–	–	–	–	–	–	–	–	–
Communications, and utilities and sanitary services	5	–	–	–	–	–	5	–	–	–	...	–
Wholesale and retail trade	27	–	10	6	6	–	–	5	–	–	...	...
All other industries	15	10	–	–	–	–	5	–	–	–	...	...
Farmers and farm managers	**26**	–	**6**	**14**	–	–	–	**6**	–	–	...	...
Farm laborers and farm foremen	**159**	**55**	**33**	**37**	**11**	**15**	–	–	**8**	–	**3 485**	...
Paid farm laborers and farm foremen	159	55	33	37	11	15	–	–	8	–	3 485	...
Unpaid family workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, except private household[1]	**621**	**201**	**60**	**51**	**60**	**63**	**95**	**57**	**21**	**13**	**4 971**	**6 808**
Cleaning service workers	266	66	11	33	40	44	52	12	6	–	5 575	6 325
Food service workers	160	75	23	10	7	11	9	16	9	–	2 435	...
Cooks, except private household	65	21	11	10	7	–	–	7	9	–	...	...
Busboys and dishwashers	39	39	–	–	–	–	–	–	–	–	...	–
Health service workers	18	6	12	–	–	–	–	–	–	–	...	–
Personal service workers	66	30	14	6	5	–	–	5	–	6	...	...
Protective service workers	74	8	–	–	8	6	21	18	6	7	...	...
Firemen, fire protection	7	–	–	–	–	–	–	7	–	–	...	...
Guards and watchmen	22	8	–	–	8	6	–	–	–	–	...	...
Policemen and detectives	45	–	–	–	–	–	21	11	6	7	...	...
Private household workers	11	11	–	–	–	–	–	–	–	–	...	–

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
APPLETON--OSHKOSH SMSA												
Total												
Experienced civilian labor force	**67 423**	**8 132**	**4 823**	**2 604**	**3 977**	**5 772**	**7 739**	**15 639**	**13 295**	**5 442**	**8 085**	**8 717**
Professional, technical, and kindred workers	**8 073**	**557**	**405**	**240**	**302**	**383**	**629**	**1 536**	**2 630**	**1 391**	**9 980**	**10 758**
Accountants	607	58	19	20	9	48	36	115	224	78	9 974	10 625
Architects	28	–	–	–	–	–	–	4	15	9	...	...
Computer specialists	212	18	5	4	5	8	36	59	61	16	9 017	9 305
Engineers	1 280	31	24	13	30	22	35	171	649	305	12 419	12 597
Aeronautical and astronautical	3	–	–	–	–	–	–	–	3	–	...	...
Civil	147	5	–	–	–	7	–	21	68	46	12 978	13 259
Electrical and electronic	109	–	5	–	–	4	–	13	66	21	12 462	...
Mechanical	278	7	5	6	10	–	4	24	144	78	12 882	13 004
Other engineers	743	19	14	7	20	11	31	113	368	160	12 126	12 325
Lawyers and judges	173	5	–	–	11	–	–	12	10	135	15000+	15000+
Life and physical scientists	190	–	5	–	–	13	19	26	82	45	11 951	11 916
Chemists	146	–	–	–	–	13	11	26	71	25	11 620	11 780
Physicians, dentists, and related practitioners	551	12	23	–	5	21	4	13	81	392	15000+	15000+
Dentists	121	–	9	–	–	–	–	–	13	99	15000+	...
Pharmacists	95	–	5	–	–	13	4	9	33	31	...	...
Physicians, medical and osteopathic	241	12	9	–	–	4	–	4	6	206	15000+	15000+
Other related practitioners	94	–	–	–	5	4	–	–	29	56	...	...
Health technologists and technicians	84	7	–	–	–	11	5	22	34	5	...	...
Religious workers	248	8	47	29	27	29	5	40	63	–	6 448	6 828
Social scientists	120	17	5	–	4	11	9	26	34	14	9 077	...
Social and recreation workers	157	26	9	18	5	10	8	34	42	5	8 147	8 824
Teachers	1 855	79	84	72	81	66	214	408	677	174	9 625	10 000
College and university	664	13	25	26	45	9	22	75	311	138	11 881	12 420
Elementary and prekindergarten	308	10	24	11	–	4	57	114	68	20	8 842	8 977
Secondary	822	38	35	35	29	48	132	202	287	16	8 931	8 559
Engineering and science technicians	968	72	83	49	72	63	105	290	217	17	8 276	8 843
Draftsmen and surveyors	384	25	50	21	41	43	28	102	70	4	7 429	8 296
Electrical and electronic engineering technicians	91	6	10	23	5	–	–	14	33	–	...	...
Technicians, except health, and engineering and science	136	–	6	7	5	6	25	48	23	16	8 792	8 938
Airplane pilots	64	–	6	7	–	–	19	5	16	11	...	...
Writers, artists, and entertainers	596	98	36	10	31	25	79	125	121	71	8 304	9 349
Other professional, technical, and kindred workers	868	126	59	18	17	50	49	143	297	109	9 608	10 512
Managers and administrators, except farm	**6 301**	**214**	**179**	**144**	**185**	**299**	**473**	**1 042**	**1 820**	**1 945**	**11 688**	**12 106**
Buyers, purchasing agents, and sales managers	912	8	52	20	10	39	108	182	278	215	10 665	11 250
School administrators	149	4	–	5	5	–	–	5	78	52	13 558	...
Specified managers and administrators, public administration	265	13	4	–	4	4	36	46	132	26	10 966	11 383
Other specified managers and administrators	956	50	28	15	40	93	69	190	299	172	9 926	10 527
Managers and administrators, n.e.c., salaried	3 160	100	42	63	74	107	188	524	826	1 236	12 918	13 248
Manufacturing	1 138	28	12	5	4	11	31	134	280	633	15000+	15000+
Wholesale and retail trade	996	32	14	26	39	68	109	258	150	300	9 628	9 746
Transportation, communications, and other public utilities	239	9	–	–	4	6	11	33	124	52	12 278	12 434
All other industries	787	31	16	32	27	22	37	99	272	251	12 381	12 806
Managers and administrators, n.e.c., self-employed	859	39	53	41	52	56	72	95	207	244	10 519	10 936
Construction	200	–	21	15	–	11	16	24	39	74	11 667	12 417
Manufacturing	59	–	5	5	–	–	12	–	5	32	...	...
Wholesale and retail trade	432	26	15	21	30	45	34	52	102	107	9 731	10 192
All other industries	168	13	12	–	22	–	10	19	61	31	10 656	11 230
Sales workers	**4 119**	**583**	**282**	**118**	**262**	**316**	**403**	**657**	**910**	**588**	**8 291**	**9 222**
Insurance agents, brokers, and underwriters	577	15	34	11	57	33	71	86	144	126	9 570	10 665
Real estate agents and brokers	178	20	–	–	4	10	5	21	50	68	12 900	13 900
Sales representatives, manufacturing industries	748	19	19	20	17	45	74	123	295	136	10 966	11 640
Sales representatives, wholesale trade	660	20	43	14	52	54	87	144	150	96	8 833	9 014
Sales clerks, retail trade	775	203	113	34	79	75	63	84	72	52	5 475	6 836
Salesmen, retail trade	512	34	36	19	21	66	78	121	85	52	8 033	8 482
Salesmen of services and construction	185	16	16	6	5	8	21	43	41	29	8 953	9 209
Other sales workers	484	256	21	14	27	25	4	35	73	29	1 891	5 344
Clerical and kindred workers	**4 099**	**490**	**338**	**158**	**226**	**384**	**582**	**1 180**	**600**	**141**	**7 779**	**8 421**
Bank tellers and cashiers	84	36	5	5	7	18	5	3	5	–	...	...
Bookkeepers and billing clerks	302	20	19	10	52	34	41	36	59	31	7 390	7 889
Mail handlers and postal clerks	521	47	15	5	10	52	106	212	56	18	8 241	8 492
Other clerical and kindred workers	3 192	387	299	138	157	280	430	929	480	92	7 779	8 469
Craftsmen and kindred workers	**14 206**	**806**	**647**	**411**	**685**	**1 140**	**1 880**	**4 187**	**3 976**	**474**	**8 733**	**9 100**
Apparel craftsmen and upholsterers	67	28	5	–	–	19	11	–	–	4	...	...
Bakers	82	22	–	6	–	15	13	18	3	5	...	...
Cabinetmakers	67	–	11	5	5	15	18	7	6	–	...	...
Construction craftsmen	3 657	219	158	119	190	309	477	1 009	1 043	133	8 707	9 226
Carpenters	1 077	83	32	59	61	128	141	348	200	25	8 198	8 685
Excavating, grading, and road machine operators	365	16	25	5	18	38	65	84	94	20	8 369	8 681
Electricians	715	13	22	4	26	47	65	227	287	24	9 590	9 799
Masons and tile setters	320	22	13	6	21	16	41	86	111	4	8 953	10 031
Painters, construction and maintenance, and paperhangers	315	61	13	26	19	38	57	56	34	11	7 009	7 628
Plasterers and cement finishers	139	5	11	5	16	5	14	42	37	4	8 643	9 378
Plumbers and pipe fitters	480	–	5	–	19	16	65	116	230	29	10 413	10 577
Other construction craftsmen	246	19	37	14	10	21	29	50	50	16	7 759	8 655
Foremen, n.e.c.	2 266	39	35	19	38	60	202	654	1 039	180	10 414	10 670
Manufacturing	1 566	17	5	6	11	37	125	471	777	117	10 714	10 803
Nonmanufacturing industries	700	22	30	13	27	23	77	183	262	63	9 727	10 246
Linemen and servicemen, telephone and power	426	9	9	16	29	38	28	182	110	5	8 923	9 170
Locomotive engineers and firemen	44	–	–	–	6	–	11	6	21	–	...	...
Mechanics and repairmen	2 867	235	180	124	174	334	503	776	481	60	7 768	8 170
Air conditioning, heating, and refrigeration	114	–	16	–	5	9	25	34	25	–	8 118	8 294
Aircraft	24	–	5	3	7	5	–	–	4	–	...	...
Automobile, including body	1 259	123	110	42	72	200	181	312	178	41	7 456	7 988
Radio and television	106	19	9	18	–	21	19	20	–	–	6 333	...
Other mechanics and repairmen	1 364	93	40	61	90	99	278	410	274	19	8 102	8 448
Metal craftsmen, except mechanics	2 082	53	94	70	84	121	317	679	628	36	8 890	9 130
Machinists and job and die setters	796	17	32	24	50	51	171	285	156	10	8 372	8 522
Sheetmetal workers and tinsmiths	283	–	10	–	–	22	29	86	132	4	9 872	10 197
Tool and die makers	168	–	5	–	–	3	38	88	34	–	8 864	9 000
Other metal craftsmen	835	36	47	46	34	45	79	220	306	22	9 186	9 594
Printing craftsmen	1 184	53	36	27	54	115	120	467	297	15	8 801	8 975
Compositors and typesetters	367	28	5	15	9	35	32	171	72	–	8 696	8 810
Pressmen and plate printers, printing	586	8	22	12	30	65	78	232	134	5	8 672	8 828
Stationary engineers and power station operators	228	6	–	–	8	10	27	81	81	15	9 556	9 568
Other craftsmen and kindred workers	1 236	142	119	25	97	104	153	308	267	21	7 856	8 380

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
APPLETON–OSHKOSH SMSA—Continued												
Total—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**13 568**	**1 249**	**976**	**504**	**932**	**1 511**	**2 110**	**4 288**	**1 732**	**266**	**7 764**	**8 337**
Assemblers	993	87	93	31	59	113	230	324	56	–	7 493	7 826
Checkers, examiners, and inspectors; manufacturing	417	–	10	13	28	64	77	170	45	10	8 194	8 395
Garage workers and gas station attendants	504	316	84	9	41	20	11	13	5	5	1 595	3 085
Laundry and drycleaning operatives, n.e.c	96	30	13	5	–	17	6	20	–	5	...	...
Meat cutters and butchers	224	32	18	5	6	12	48	63	40	–	7 813	7 948
Mine operatives, n.e.c	30	–	5	–	7	–	9	5	4	–	...	...
Packers and wrappers, except produce	443	52	65	16	53	41	97	86	21	12	6 866	7 563
Painters, manufactured articles	161	15	19	–	4	19	26	67	11	–	7 904	8 541
Precision machine operatives	1 066	71	47	59	89	145	121	378	145	11	8 005	8 480
Sawyers	122	15	20	8	16	52	–	4	7	–	6 038	...
Stationary firemen	183	10	–	5	5	30	55	61	17	–	7 755	7 920
Textile operatives	131	14	11	–	10	15	15	29	37	–	8 034	...
Welders and flamecutters	692	65	42	21	60	94	115	185	95	15	7 557	8 049
Other metalworking operatives	563	62	59	20	65	42	122	138	46	9	7 275	7 657
Other specified operatives	1 978	147	148	96	81	176	312	705	267	46	8 082	8 580
Miscellaneous and not specified operatives	5 965	333	342	216	408	671	866	2 040	936	153	8 144	8 594
Occupation:												
Machine operatives, miscellaneous specified	3 055	157	155	55	200	362	353	1 072	603	98	8 458	8 826
Machine operatives, not specified	1 186	17	89	78	52	122	238	432	143	15	7 987	8 384
Miscellaneous operatives	878	110	68	55	96	96	113	256	73	11	7 124	8 102
Not specified operatives	846	49	30	28	60	91	162	280	117	29	8 021	8 476
Industry:												
Manufacturing	5 550	278	313	210	390	613	808	1 903	892	143	8 171	8 603
Durable goods	1 623	105	67	92	156	258	212	435	219	79	7 630	8 232
Wood products, including furniture	269	38	17	23	57	84	28	22	–	–	5 991	6 354
Primary metal industries	431	14	33	–	22	51	56	99	94	62	8 798	9 625
Fabricated metal industries	234	28	9	20	16	29	26	51	55	–	7 577	8 627
Machinery, including electrical	492	25	8	19	50	53	84	179	57	17	8 078	8 321
Motor vehicles and equipment	121	–	–	–	4	23	9	80	5	–	8 613	...
Transportation equipment, except motor vehicles	4	–	–	–	4	–	–	–	–	–	...	...
Other durable goods	72	–	–	30	3	18	9	4	8	–	...	...
Nondurable goods	3 903	173	246	118	234	355	596	1 449	668	64	8 317	8 700
Food and kindred products	328	40	15	20	29	69	38	70	27	20	6 870	7 439
Apparel and other fabricated textile products	19	–	–	–	8	–	–	5	6	–	...	...
Paper and allied products	3 177	80	180	83	171	267	511	1 221	620	44	8 486	8 811
Chemicals and allied products	28	–	–	5	–	–	6	17	–	–	...	...
Other nondurable goods	351	53	51	10	26	19	41	136	15	–	7 402	8 402
Not specified manufacturing industries	24	–	–	–	–	–	–	19	5	–	...	...
Nonmanufacturing industries	415	55	29	6	18	58	58	137	44	10	7 716	8 474
Transportation, communications, and other public utilities	65	17	–	–	6	6	23	9	4	–	...	...
Wholesale and retail trade	229	33	23	6	6	36	22	72	26	5	7 477	8 403
All other industries	121	5	6	–	6	16	13	56	14	5	8 518	8 821
Transport equipment operatives	**3 740**	**341**	**257**	**193**	**304**	**392**	**506**	**1 034**	**612**	**101**	**7 757**	**8 383**
Bus drivers	109	24	18	–	9	20	16	8	14	–	6 175	...
Taxicab drivers and chauffeurs	118	15	33	20	21	14	–	15	–	–	4 550	...
Truck drivers and deliverymen	2 617	226	122	133	220	260	363	713	479	101	7 957	8 549
Other transport equipment operatives	896	76	84	40	54	98	127	298	119	–	7 756	8 347
Laborers, except farm	**4 132**	**1 180**	**564**	**159**	**363**	**459**	**445**	**648**	**233**	**81**	**5 449**	**7 069**
Construction laborers	672	127	56	–	61	86	113	147	47	35	7 053	7 675
Freight, stock, and material handlers	1 551	505	199	77	116	156	162	238	81	17	4 929	7 157
Other specified laborers	758	313	123	15	69	73	47	65	48	5	3 073	6 445
Miscellaneous and not specified laborers	1 151	235	186	67	117	144	123	198	57	24	5 748	6 955
Occupation:												
Miscellaneous laborers	288	42	52	18	18	38	31	52	33	4	6 368	7 468
Not specified laborers	863	193	134	49	99	106	92	146	24	20	5 561	6 762
Industry:												
Manufacturing	829	130	125	63	92	99	106	150	44	20	6 045	7 108
Durable goods	487	65	87	43	58	72	48	72	38	4	5 836	6 451
Wood products, including furniture	70	8	12	6	19	9	–	16	–	–	...	...
Metal industries	255	33	53	19	25	41	20	26	34	4	5 900	6 514
Machinery, including electrical	86	19	10	18	9	16	5	5	4	–	...	...
Transportation equipment	42	5	7	–	–	–	11	19	–	–	...	...
Other durable goods	34	–	5	–	5	6	12	6	–	–	...	...
Nondurable goods	342	65	38	20	34	27	58	78	6	16	6 519	7 806
Food and kindred products	98	26	21	5	16	9	9	6	6	–	...	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	322	105	61	4	25	45	17	48	13	4	3 836	6 656
Railroads and railway express service	48	–	–	–	3	10	11	16	8	–	...	...
Transportation, except railroads	4	–	4	–	–	–	–	–	–	–	...	...
Communications, and utilities and sanitary services	18	4	4	–	–	5	–	5	–	–	...	...
Wholesale and retail trade	101	49	20	4	–	10	6	12	–	–	2 150	...
All other industries	151	52	33	–	22	20	–	15	5	4	3 424	...
Farmers and farm managers	**3 470**	**680**	**587**	**324**	**333**	**251**	**208**	**331**	**430**	**326**	**5 432**	**5 618**
Farm laborers and farm foremen	**894**	**541**	**128**	**65**	**54**	**32**	**16**	**28**	**21**	**9**	**1 652**	**2 279**
Paid farm laborers and farm foremen	761	440	114	65	44	28	16	28	21	5	1 730	2 742
Unpaid family workers	133	101	14	–	10	4	–	–	–	4	1 317	1 438
Service workers, except private household[1]	**4 816**	**1 486**	**460**	**288**	**331**	**605**	**487**	**708**	**331**	**120**	**5 526**	**6 986**
Cleaning service workers	1 731	490	156	116	170	303	181	221	69	25	5 609	6 431
Food service workers	1 309	693	130	85	55	106	50	71	81	38	1 889	6 270
Cooks, except private household	340	198	44	–	5	25	8	27	29	4	1 717	6 360
Busboys and dishwashers	266	246	20	–	–	–	–	–	–	–	1 081	...
Health service workers	267	46	74	9	17	42	58	7	6	8	5 265	6 357
Personal service workers	348	134	17	24	24	37	35	15	29	33	4 958	7 083
Protective service workers	977	80	57	38	55	108	158	342	129	10	7 953	8 351
Firemen, fire protection	243	7	5	–	6	31	34	111	44	5	8 694	8 721
Guards and watchmen	291	39	41	28	37	22	43	71	10	–	6 023	7 291
Policemen and detectives	399	17	–	10	5	46	81	160	75	5	8 506	8 742
Private household workers	**5**	**5**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**...**	**–**

[1]Includes allocated cases not shown separately.

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969									Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or less	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
DULUTH–SUPERIOR, MINN.–WIS., SMSA												
Total												
Experienced civilian labor force	**61 998**	**7 480**	**4 748**	**2 690**	**4 138**	**6 501**	**8 680**	**12 861**	**11 617**	**3 283**	**7 627**	**8 234**
Professional, technical, and kindred workers	**7 344**	**433**	**375**	**182**	**243**	**367**	**687**	**1 372**	**2 536**	**1 149**	**10 026**	**10 505**
Accountants	506	21	15	4	11	13	67	151	151	73	9 616	9 886
Architects	38	5	–	–	–	–	–	–	14	19	...	...
Computer specialists	76	5	3	–	–	5	–	31	32	–	...	...
Engineers	947	21	4	–	17	15	54	128	492	216	12 383	12 428
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–	–
Civil	222	4	–	–	5	5	12	51	117	28	11 453	11 406
Electrical and electronic	161	5	–	–	–	–	5	37	103	11	11 626	11 667
Mechanical	170	7	–	–	–	5	6	20	84	48	12 798	12 538
Other engineers	394	5	4	–	12	5	31	20	188	129	13 191	13 402
Lawyers and judges	190	5	10	6	4	4	–	5	39	117	15000+	15000+
Life and physical scientists	227	5	11	4	5	5	10	58	104	25	10 745	11 125
Chemists	141	–	4	–	5	5	5	44	63	15	10 595	10 847
Physicians, dentists, and related practitioners	571	9	17	9	22	14	23	4	107	366	15000+	15000+
Dentists	117	6	6	–	6	–	5	–	21	73	15000+	...
Pharmacists	132	–	6	–	8	4	10	–	61	43	13 115	13 795
Physicians, medical and osteopathic	259	–	5	5	8	10	4	4	15	208	15000+	15000+
Other related practitioners	63	3	–	4	–	–	4	–	10	42	...	...
Health technologists and technicians	68	7	6	–	16	–	17	–	18	4	...	...
Religious workers	296	28	33	25	37	48	28	54	38	5	6 521	6 670
Social scientists	50	–	–	–	–	–	–	–	30	20	...	...
Social and recreation workers	204	14	29	–	11	22	12	49	62	5	8 571	8 612
Teachers	1 992	101	69	46	19	68	198	440	904	147	10 304	10 309
College and university	413	26	22	26	5	20	6	75	130	103	11 019	12 717
Elementary and prekindergarten	617	32	17	10	–	23	84	184	240	27	9 549	9 539
Secondary	854	20	30	10	5	25	103	149	495	17	10 859	10 267
Engineering and science technicians	750	60	52	25	34	96	163	194	98	28	7 663	7 983
Draftsmen and surveyors	383	37	36	16	10	44	81	97	57	5	7 599	8 101
Electrical and electronic engineering technicians	81	–	11	9	–	4	10	29	18	–	...	...
Technicians, except health, and engineering and science	121	–	–	5	9	6	38	23	31	9	8 217	8 000
Airplane pilots	14	–	–	5	–	–	5	–	–	4	...	...
Writers, artists, and entertainers	471	113	47	25	30	14	27	79	105	31	7 241	9 191
Other professional, technical, and kindred workers	837	39	79	33	28	57	50	156	311	84	9 699	10 055
Managers and administrators, except farm	**6 531**	**330**	**224**	**167**	**286**	**421**	**584**	**1 168**	**2 118**	**1 233**	**10 202**	**10 510**
Buyers, purchasing agents, and sales managers	673	20	12	11	22	59	82	217	157	93	9 203	9 296
School administrators	259	4	16	10	–	10	–	20	101	98	13 441	14 225
Specified managers and administrators, public administration	561	9	17	16	6	37	50	180	195	51	9 617	9 639
Other specified managers and administrators	1 520	112	58	36	87	110	125	213	463	316	10 205	10 484
Managers and administrators, n.e.c., salaried	2 681	136	46	71	107	132	257	428	955	549	10 856	11 261
Manufacturing	282	6	5	7	5	9	36	51	97	66	11 134	11 418
Wholesale and retail trade	1 146	57	30	32	51	83	138	212	330	213	9 717	9 947
Transportation, communications, and other public utilities	435	22	–	–	–	9	34	59	249	62	11 878	12 126
All other industries	818	51	11	32	51	31	49	106	279	208	11 398	12 054
Managers and administrators, n.e.c., self-employed	837	49	75	23	64	73	70	110	247	126	9 173	9 438
Construction	129	–	4	2	–	14	–	16	74	19	11 926	...
Manufacturing	60	–	7	–	12	–	–	3	28	10	...	...
Wholesale and retail trade	465	44	38	21	31	59	28	66	106	72	8 348	8 621
All other industries	183	5	26	–	21	–	42	25	39	25	7 940	8 048
Sales workers	**3 274**	**551**	**229**	**111**	**176**	**266**	**364**	**532**	**762**	**283**	**7 835**	**8 485**
Insurance agents, brokers, and underwriters	391	17	5	23	12	16	39	76	143	60	10 262	10 210
Real estate agents and brokers	82	17	–	6	–	11	7	–	23	18	...	...
Sales representatives, manufacturing industries	241	10	16	–	11	12	36	35	103	18	10 024	10 284
Sales representatives, wholesale trade	751	36	38	–	30	55	134	188	202	68	8 878	9 059
Sales clerks, retail trade	784	183	101	55	78	92	63	83	87	42	5 679	6 554
Salesmen, retail trade	418	64	34	21	20	38	41	72	108	20	7 780	8 925
Salesmen of services and construction	131	15	5	–	4	5	25	28	33	16	8 821	...
Other sales workers	476	209	30	6	21	37	19	50	63	41	3 933	5 857
Clerical and kindred workers	**3 566**	**337**	**274**	**142**	**175**	**422**	**712**	**901**	**511**	**92**	**7 608**	**7 949**
Bank tellers and cashiers	89	15	17	6	–	23	12	14	2	–	...	...
Bookkeepers and billing clerks	285	20	38	10	13	47	41	67	34	15	7 354	7 524
Mail handlers and postal clerks	516	15	18	–	6	40	145	248	44	–	8 274	8 359
Other clerical and kindred workers	2 676	287	201	126	156	312	514	572	431	77	7 498	7 909
Craftsmen and kindred workers	**16 749**	**730**	**752**	**591**	**944**	**1 793**	**2 847**	**5 021**	**3 764**	**307**	**8 286**	**8 576**
Apparel craftsmen and upholsterers	78	–	5	–	28	21	8	12	4	–	...	...
Bakers	118	13	16	–	9	21	19	30	7	3	7 000	...
Cabinetmakers	70	9	12	6	11	–	14	5	7	6	...	...
Construction craftsmen	4 583	224	209	210	260	441	774	1 210	1 203	52	8 287	8 754
Carpenters	880	77	37	61	37	115	108	205	240	–	8 049	9 305
Excavating, grading, and road machine operators	1 292	37	70	35	114	161	360	360	141	14	7 636	7 759
Electricians	1 030	47	24	17	31	56	137	334	370	14	9 216	9 384
Masons and tile setters	214	3	5	7	24	15	33	61	62	4	8 656	9 280
Painters, construction and maintenance, and paperhangers	350	30	49	41	34	29	39	90	29	9	6 724	7 950
Plasterers and cement finishers	76	9	5	14	–	5	14	5	18	6	...	...
Plumbers and pipe fitters	461	6	6	24	9	26	48	107	235	–	10 096	10 197
Other construction craftsmen	280	15	13	11	11	34	35	48	108	5	8 875	10 492
Foremen, n.e.c.	2 399	60	46	58	33	125	247	584	1 119	127	10 208	10 402
Manufacturing	575	29	17	6	5	43	62	160	240	13	9 569	9 609
Nonmanufacturing industries	1 824	31	29	52	28	82	185	424	879	114	10 461	10 695
Linemen and servicemen, telephone and power	574	26	14	22	51	41	77	199	130	14	8 563	8 724
Locomotive engineers and firemen	508	5	21	–	6	44	70	112	231	19	9 929	10 949
Mechanics and repairmen	4 282	172	194	181	276	592	876	1 487	460	44	7 829	8 036
Air conditioning, heating, and refrigeration	54	–	4	–	–	–	11	18	21	–	...	...
Aircraft	121	4	–	5	13	10	12	36	30	11	8 917	9 028
Automobile, including body	1 433	80	84	86	105	229	241	454	127	27	7 550	7 859
Radio and television	182	12	11	12	15	31	21	40	40	–	7 476	8 125
Other mechanics and repairmen	2 492	76	95	78	143	322	591	939	242	6	7 900	8 050
Metal craftsmen, except mechanics	1 429	43	67	36	112	170	261	536	193	11	8 095	8 242
Machinists and job and die setters	498	4	42	26	58	58	110	164	36	–	7 555	7 764
Sheetmetal workers and tinsmiths	212	16	10	5	15	6	28	66	66	–	8 788	9 512
Tool and die makers	51	–	–	–	6	19	9	12	–	5	...	...
Other metal craftsmen	668	23	15	5	33	87	114	294	91	6	8 388	8 455
Printing craftsmen	405	23	14	9	27	14	50	215	48	5	8 609	8 756
Compositors and typesetters	247	18	8	5	17	14	41	124	15	5	8 331	8 573
Pressmen and plate printers, printing	88	5	–	4	10	–	4	44	21	–	...	...
Stationary engineers and power station operators	485	7	10	6	23	68	163	148	57	3	7 788	7 840
Other craftsmen and kindred workers	1 818	148	144	63	108	256	288	483	305	23	7 660	7 958

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued												
Total—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**8 452**	**1 195**	**911**	**523**	**757**	**1 289**	**1 366**	**1 703**	**663**	**45**	**6 652**	**7 446**
Assemblers	178	34	44	7	15	29	20	29	–	–	5 267	...
Checkers, examiners, and inspectors; manufacturing	88	–	3	5	5	8	30	23	14	–	...	...
Garage workers and gas station attendants	744	383	176	36	27	34	42	41	5	–	1 943	4 391
Laundry and drycleaning operatives, n.e.c	64	20	–	14	11	10	–	4	5	–	...	...
Meat cutters and butchers	268	11	22	23	27	20	37	83	40	5	7 838	8 313
Mine operatives, n.e.c	1 181	95	120	62	141	277	239	172	71	4	6 623	7 087
Packers and wrappers, except produce	188	93	5	21	4	12	19	25	9	–	2 400	...
Painters, manufactured articles	48	10	–	–	11	11	6	4	6	–	...	...
Precision machine operatives	272	36	9	20	5	47	77	46	32	–	7 247	7 655
Sawyers	70	10	28	16	6	10	–	–	–	–	...	...
Stationary firemen	211	9	–	15	10	27	48	92	10	–	7 927	8 123
Textile operatives	37	7	6	4	3	6	–	11	–	–	...	...
Welders and flamecutters	1 129	18	66	36	65	194	225	361	150	14	7 824	8 220
Other metalworking operatives	325	33	34	13	21	67	30	85	42	–	6 918	8 082
Other specified operatives	1 979	273	208	154	229	255	318	353	184	5	6 492	7 329
Miscellaneous and not specified operatives	1 670	163	190	97	177	282	275	374	95	17	6 738	7 411
Occupation:												
Machine operatives, miscellaneous specified	639	58	54	45	41	68	148	183	38	4	7 361	7 900
Machine operatives, not specified	397	10	27	9	61	95	61	111	14	9	6 963	7 361
Miscellaneous operatives	440	71	70	27	41	84	47	61	35	4	6 131	6 807
Not specified operatives	194	24	39	16	34	35	19	19	8	–	5 529	6 357
Industry:												
Manufacturing	1 105	119	127	76	116	126	204	288	41	8	6 909	7 646
Durable goods	762	65	80	67	95	105	138	186	18	8	6 705	7 496
Wood products, including furniture	99	16	15	5	12	10	25	16	–	–	...	...
Primary metal industries	308	17	37	17	27	35	44	123	4	4	7 477	8 009
Fabricated metal industries	135	15	5	12	21	52	25	5	–	–	6 279	6 420
Machinery, including electrical	109	–	14	22	19	–	22	19	9	4	5 974	...
Motor vehicles and equipment	–	–	–	–	–	–	–	–	–	–	–	–
Transportation equipment, except motor vehicles	26	10	–	–	–	5	6	–	5	–	...	...
Other durable goods	85	7	9	11	16	3	16	23	–	–	...	...
Nondurable goods	339	54	47	9	17	21	66	102	23	–	7 326	8 020
Food and kindred products	138	44	41	6	5	–	26	10	6	–	3 220	...
Apparel and other fabricated textile products	13	5	–	3	–	–	–	5	–	–	...	...
Paper and allied products	59	5	–	–	5	17	11	16	5	–	...	...
Chemicals and allied products	13	–	–	–	–	4	5	4	–	–	...	...
Other nondurable goods	116	–	6	–	7	–	24	67	12	–	8 627	8 701
Not specified manufacturing industries	4	–	–	–	4	–	–	–	–	–	...	...
Nonmanufacturing industries	565	44	63	21	61	156	71	86	54	9	6 599	6 837
Transportation, communications, and other public utilities	222	8	14	5	28	60	40	53	14	–	6 933	7 200
Wholesale and retail trade	188	28	44	4	22	41	10	23	16	–	5 818	6 414
All other industries	155	8	5	12	11	55	21	10	24	9	6 755	6 810
Transport equipment operatives	**4 594**	**491**	**248**	**224**	**410**	**607**	**893**	**933**	**710**	**78**	**7 355**	**7 779**
Bus drivers	350	27	12	28	53	66	72	55	34	3	6 833	7 462
Taxicab drivers and chauffeurs	140	39	20	31	9	15	5	9	6	6	4 355	...
Truck drivers and deliverymen	3 069	256	185	140	250	421	645	637	483	52	7 438	7 794
Other transport equipment operatives	1 035	169	31	25	98	105	171	232	187	17	7 523	8 090
Laborers, except farm	**5 320**	**1 324**	**877**	**387**	**576**	**674**	**664**	**567**	**207**	**44**	**5 125**	**6 510**
Construction laborers	946	161	123	67	134	108	147	148	52	6	5 910	7 209
Freight, stock, and material handlers	1 616	504	208	91	146	177	238	195	52	5	5 034	6 779
Other specified laborers	1 101	327	266	80	91	98	69	74	66	30	3 680	5 742
Miscellaneous and not specified laborers	1 657	332	280	149	205	291	210	150	37	3	5 329	6 391
Occupation:												
Miscellaneous laborers	679	67	87	76	96	142	119	63	29	–	6 095	6 691
Not specified laborers	978	265	193	73	109	149	91	87	8	3	4 425	6 097
Industry:												
Manufacturing	632	120	78	37	69	115	102	97	11	3	6 104	6 896
Durable goods	485	60	45	27	69	104	91	78	11	–	6 399	6 945
Wood products, including furniture	42	11	21	–	–	6	4	–	–	–	...	...
Metal industries	368	31	10	27	47	91	78	73	11	–	6 758	7 096
Machinery, including electrical	34	5	5	–	7	7	5	5	–	–	...	...
Transportation equipment	5	–	5	–	–	–	–	–	–	–	...	–
Other durable goods	36	13	4	–	15	–	4	–	–	–	...	...
Nondurable goods	147	60	33	10	–	11	11	19	–	3	2 818	...
Food and kindred products	78	36	20	5	–	6	6	5	–	–	...	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	1 025	212	202	112	136	176	108	53	26	–	4 879	6 026
Railroads and railway express service	347	3	35	47	59	129	50	11	13	–	6 229	6 380
Transportation, except railroads	31	5	4	–	4	–	18	–	–	–	...	...
Communications, and utilities and sanitary services	79	22	–	15	11	16	9	6	–	–	...	...
Wholesale and retail trade	235	81	70	6	31	–	15	32	–	–	3 043	5 370
All other industries	333	101	93	44	31	31	16	4	13	–	3 409	5 145
Farmers and farm managers	**422**	**120**	**109**	**46**	**12**	**26**	**17**	**28**	**44**	**20**	**3 670**	**3 571**
Farm laborers and farm foremen	**194**	**100**	**14**	**10**	**16**	**12**	**26**	**5**	**11**	–	**1 940**	**5 000**
Paid farm laborers and farm foremen	185	91	14	10	16	12	26	5	11	–	2 214	5 409
Unpaid family workers	9	9	–	–	–	–	–	–	–	–	...	...
Service workers, except private household[1]	**5 518**	**1 847**	**727**	**307**	**543**	**620**	**520**	**631**	**291**	**32**	**4 603**	**6 355**
Cleaning service workers	2 367	776	355	166	308	375	214	159	14	–	4 316	5 800
Food service workers	1 353	699	190	59	107	101	63	68	50	16	1 936	5 379
Cooks, except private household	408	179	87	26	32	8	23	23	25	5	2 575	4 206
Busboys and dishwashers	338	311	17	6	4	–	–	–	–	–	1 087	...
Health service workers	187	63	75	28	6	–	11	4	–	–	2 813	3 917
Personal service workers	389	173	56	21	39	14	23	29	24	10	2 768	5 542
Protective service workers	960	40	32	22	58	92	201	334	175	6	8 210	8 404
Firemen, fire protection	330	11	–	–	11	40	54	150	64	–	8 653	8 606
Guards and watchmen	267	29	28	16	25	22	67	53	27	–	7 201	7 603
Policemen and detectives	278	–	–	–	22	24	65	99	68	–	8 566	8 621
Private household workers	**34**	**22**	**8**	–	–	**4**	–	–	–	–	...	...

[1]Includes allocated cases not shown separately.

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
MADISON SMSA												
Total												
Experienced civilian labor force	**72 690**	**10 766**	**7 748**	**3 124**	**3 734**	**5 085**	**6 129**	**11 992**	**15 579**	**8 533**	**7 961**	**9 194**
Professional, technical, and kindred workers	**17 660**	**1 883**	**2 330**	**647**	**582**	**746**	**1 027**	**2 273**	**4 431**	**3 741**	**9 421**	**11 201**
Accountants	1 214	40	73	64	37	58	97	209	441	195	10 329	11 188
Architects	171	5	–	–	–	6	–	10	73	77	14 418	14 816
Computer specialists	492	36	60	17	35	36	38	91	175	4	8 527	9 906
Engineers	1 724	56	103	6	68	60	97	238	711	385	11 646	12 399
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–	–
Civil	511	9	30	–	26	14	16	40	231	145	12 608	13 322
Electrical and electronic	386	10	23	–	19	21	23	60	156	74	11 186	12 035
Mechanical	167	4	12	6	6	–	9	29	72	29	11 215	11 866
Other engineers	660	33	38	–	17	25	49	109	252	137	11 171	11 930
Lawyers and judges	649	60	64	22	10	14	27	64	119	269	12 668	15000+
Life and physical scientists	695	61	128	18	28	34	38	86	216	86	8 942	10 707
Chemists	243	10	56	18	13	5	18	30	65	28	8 100	10 082
Physicians, dentists, and related practitioners	1 227	42	117	10	–	43	33	87	245	650	15000+	15000+
Dentists	134	–	6	–	–	–	5	–	27	96	15000+	...
Pharmacists	242	23	53	–	–	–	–	10	105	51	11 667	12 800
Physicians, medical and osteopathic	692	4	48	10	–	32	28	60	77	433	15000+	15000+
Other related practitioners	159	15	10	–	–	11	–	17	36	70	13 681	14 113
Health technologists and technicians	202	47	20	15	5	33	24	45	13	–	6 424	7 184
Religious workers	324	55	46	11	46	21	49	20	45	31	6 190	6 094
Social scientists	278	35	25	12	6	21	4	21	63	91	11 190	13 532
Social and recreation workers	288	27	30	–	17	16	19	56	81	42	9 250	9 980
Teachers	4 808	543	651	200	137	131	202	513	1 031	1 400	10 131	14 075
College and university	3 586	416	554	164	98	79	87	174	723	1 291	11 528	15000+
Elementary and prekindergarten	259	16	10	19	11	5	14	106	63	15	9 028	...
Secondary	821	60	76	12	28	37	101	233	223	51	8 828	9 170
Engineering and science technicians	1 408	187	229	72	62	78	158	340	255	27	7 481	8 527
Draftsmen and surveyors	481	37	89	24	38	19	63	129	82	–	7 532	8 139
Electrical and electronic engineering technicians	281	62	16	23	–	11	10	103	56	–	8 359	9 117
Technicians, except health, and engineering and science	275	19	20	7	6	17	27	58	78	43	9 431	10 714
Airplane pilots	59	–	–	–	–	–	–	7	30	22	...	...
Writers, artists, and entertainers	1 142	174	148	77	19	57	70	141	329	127	8 369	10 033
Other professional, technical, and kindred workers	2 763	496	616	116	106	121	144	294	556	314	6 393	8 950
Managers and administrators, except farm	**8 215**	**371**	**378**	**164**	**184**	**302**	**420**	**1 137**	**2 674**	**2 585**	**12 153**	**12 558**
Buyers, purchasing agents, and sales managers	938	44	61	10	29	59	54	175	293	213	10 631	11 047
School administrators	301	13	8	5	–	–	11	8	123	133	14 289	14 346
Specified managers and administrators, public administration	846	18	16	12	5	36	54	131	338	236	12 234	12 544
Other specified managers and administrators	1 534	126	109	33	60	88	81	300	385	352	9 800	10 604
Managers and administrators, n.e.c., salaried	3 836	108	125	65	76	91	180	451	1 298	1 442	13 166	13 519
Manufacturing	637	7	14	–	20	–	23	66	226	281	14 170	14 054
Wholesale and retail trade	1 295	42	70	45	31	62	81	209	370	385	11 453	12 152
Transportation, communications, and other public utilities	339	5	5	10	–	3	4	33	153	126	13 578	13 970
All other industries	1 565	54	36	10	25	26	72	143	549	650	13 793	14 105
Managers and administrators, n.e.c., self-employed	760	62	59	39	14	28	40	72	237	209	11 392	11 641
Construction	136	–	22	9	5	7	3	7	46	37	11 630	...
Manufacturing	45	–	5	5	–	–	–	–	6	29	...	...
Wholesale and retail trade	437	42	13	23	4	21	32	55	143	104	10 997	11 184
All other industries	142	20	19	2	5	–	5	10	42	39	11 190	11 935
Sales workers	**5 368**	**748**	**412**	**217**	**280**	**265**	**333**	**906**	**1 400**	**807**	**8 947**	**10 068**
Insurance agents, brokers, and underwriters	868	16	42	40	71	16	53	179	253	198	10 336	10 893
Real estate agents and brokers	260	11	12	10	27	–	15	10	67	108	13 358	14 795
Sales representatives, manufacturing industries	511	29	5	10	11	38	55	108	162	93	9 991	10 380
Sales representatives, wholesale trade	921	35	51	14	27	43	61	179	378	133	10 668	11 209
Sales clerks, retail trade	1 329	369	203	60	76	109	87	137	200	88	5 428	7 935
Salesmen, retail trade	589	64	19	17	68	16	38	148	127	92	8 980	9 256
Salesmen of services and construction	267	34	16	14	–	20	17	59	88	19	9 102	10 443
Other sales workers	623	190	64	52	–	23	7	86	125	76	6 239	9 684
Clerical and kindred workers	**5 160**	**857**	**615**	**257**	**295**	**479**	**623**	**968**	**846**	**220**	**7 124**	**8 195**
Bank tellers and cashiers	220	55	67	22	5	15	26	10	15	5	3 642	6 500
Bookkeepers and billing clerks	414	63	35	14	27	27	42	82	92	32	7 976	8 866
Mail handlers and postal clerks	828	40	20	21	44	86	198	288	121	10	8 035	8 208
Other clerical and kindred workers	3 698	699	493	200	219	351	357	588	618	173	6 678	8 213
Craftsmen and kindred workers	**11 814**	**751**	**787**	**370**	**764**	**1 049**	**1 466**	**2 952**	**3 197**	**478**	**8 488**	**9 018**
Apparel craftsmen and upholsterers	46	–	5	5	–	5	–	20	5	6	...	...
Bakers	84	6	21	5	8	14	22	–	8	–	...	...
Cabinetmakers	93	–	19	5	14	–	20	17	14	4	...	...
Construction craftsmen	3 524	214	176	118	263	239	358	935	1 064	157	8 843	9 568
Carpenters	1 261	63	73	33	90	75	135	414	342	36	8 780	9 396
Excavating, grading, and road machine operators	320	26	15	15	26	18	52	75	71	22	8 213	8 943
Electricians	538	31	37	6	35	29	34	76	271	19	10 387	10 366
Masons and tile setters	227	4	6	6	32	31	5	82	51	10	8 720	...
Painters, construction and maintenance, and paperhangers	397	38	36	27	32	29	57	123	40	15	7 640	8 682
Plasterers and cement finishers	88	–	–	–	4	11	13	32	23	5	...	...
Plumbers and pipe fitters	514	37	9	15	40	32	30	83	223	45	10 247	11 035
Other construction craftsmen	179	15	–	16	4	14	32	50	43	5	8 340	...
Foremen, n.e.c.	1 464	22	64	13	15	61	129	380	690	90	10 348	10 583
Manufacturing	633	5	28	13	–	34	61	177	288	27	9 983	10 056
Nonmanufacturing industries	831	17	36	–	15	27	68	203	402	63	10 616	10 956
Linemen and servicemen, telephone and power	599	–	37	9	27	36	67	144	255	24	9 715	9 757
Locomotive engineers and firemen	45	5	10	–	–	5	4	–	21	–	...	...
Mechanics and repairmen	2 848	214	218	107	191	371	457	729	470	91	7 707	8 284
Air conditioning, heating, and refrigeration	113	10	–	5	9	18	4	29	38	–	8 724	...
Aircraft	48	–	–	–	–	7	5	25	5	6	...	...
Automobile, including body	1 224	63	100	59	97	168	228	281	192	36	7 548	7 966
Radio and television	233	32	46	4	5	23	35	43	34	11	7 186	8 698
Other mechanics and repairmen	1 230	109	72	39	80	155	185	351	201	38	7 865	8 379
Metal craftsmen, except mechanics	945	35	34	22	76	93	106	258	299	22	8 826	9 019
Machinists and job and die setters	355	22	15	9	44	33	54	130	39	9	8 008	8 298
Sheetmetal workers and tinsmiths	290	–	5	–	11	32	10	70	149	13	10 570	10 882
Tool and die makers	185	10	14	–	11	22	16	31	81	–	9 258	10 000
Other metal craftsmen	115	3	–	13	10	6	26	27	30	–	7 981	...
Printing craftsmen	634	52	35	19	57	47	116	209	73	26	7 922	8 335
Compositors and typesetters	233	17	11	5	11	15	71	76	16	11	7 810	7 986
Pressmen and plate printers, printing	255	15	19	–	34	27	28	89	34	9	8 101	8 461
Stationary engineers and power station operators	188	11	14	5	24	9	27	40	53	5	8 200	8 400
Other craftsmen and kindred workers	1 344	192	154	62	89	169	160	220	245	53	7 038	7 878

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
MADISON SMSA—Continued												
Total—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**6 238**	**965**	**661**	**303**	**394**	**626**	**705**	**1 480**	**994**	**110**	**7 241**	**8 317**
Assemblers	527	53	53	34	41	86	119	106	35	–	6 959	7 359
Checkers, examiners, and inspectors; manufacturing	219	31	6	6	15	16	36	74	31	4	7 986	8 377
Garage workers and gas station attendants	718	339	162	48	42	69	18	29	11	–	2 247	4 921
Laundry and drycleaning operatives, n.e.c	78	28	12	5	11	–	–	22	–	–	...	...
Meat cutters and butchers	879	60	28	12	14	25	79	306	338	17	9 448	9 929
Mine operatives, n.e.c	8	–	–	4	–	–	–	4	–	–	...	...
Packers and wrappers, except produce	245	36	26	11	17	12	21	85	37	–	7 976	8 671
Painters, manufactured articles	66	–	–	–	8	9	11	20	18	–	...	...
Precision machine operatives	269	28	19	26	20	21	31	61	57	6	7 661	8 702
Sawyers	27	–	–	–	–	5	–	12	6	4	...	...
Stationary firemen	112	–	8	–	5	30	22	37	5	5	7 591	...
Textile operatives	76	–	7	–	–	14	16	39	–	–	...	...
Welders and flamecutters	417	23	39	27	20	51	70	103	72	12	7 693	8 343
Other metalworking operatives	182	12	26	5	21	15	39	44	14	6	7 308	7 436
Other specified operatives	888	225	95	46	36	75	62	195	115	39	6 560	8 222
Miscellaneous and not specified operatives	1 527	130	180	79	144	198	181	343	255	17	7 180	8 170
Occupation:												
Machine operatives, miscellaneous specified	678	55	57	49	73	79	76	189	88	12	7 342	8 145
Machine operatives, not specified	249	4	44	21	9	37	33	55	46	–	7 288	8 043
Miscellaneous operatives	370	60	46	–	43	50	46	45	75	5	6 720	8 063
Not specified operatives	230	11	33	9	19	32	26	54	46	–	7 423	8 426
Industry:												
Manufacturing	1 087	67	121	61	113	159	123	239	187	17	7 183	8 100
Durable goods	574	28	68	25	89	94	73	124	68	5	6 819	7 619
Wood products, including furniture	23	–	6	4	5	–	4	4	–	–	...	...
Primary metal industries	122	4	10	3	25	17	11	27	20	5	7 182	...
Fabricated metal industries	32	–	6	3	6	13	–	4	–	–	...	...
Machinery, including electrical	262	24	30	11	35	41	30	55	36	–	6 756	7 750
Motor vehicles and equipment	38	–	9	–	9	3	6	11	–	–	...	...
Transportation equipment, except motor vehicles	4	–	–	–	–	4	–	–	–	–	...	...
Other durable goods	93	–	7	4	9	16	22	23	12	–	...	...
Nondurable goods	508	39	48	36	24	65	50	115	119	12	7 840	8 676
Food and kindred products	442	32	30	36	20	48	40	110	114	12	8 273	8 864
Apparel and other fabricated textile products	–	–	–	–	–	–	–	–	–	–	–	–
Paper and allied products	13	–	4	–	4	5	–	–	–	–	...	...
Chemicals and allied products	22	–	5	–	–	12	5	–	–	–	...	...
Other nondurable goods	31	7	9	–	–	–	5	5	5	–	...	...
Not specified manufacturing industries	5	–	5	–	–	–	–	–	–	–	...	–
Nonmanufacturing industries	440	63	59	18	31	39	58	104	68	–	7 172	8 357
Transportation, communications, and other public utilities	52	6	5	–	–	5	–	25	11	–	...	...
Wholesale and retail trade	151	27	19	12	21	9	25	25	13	–	5 833	...
All other industries	237	30	35	6	10	25	33	54	44	–	7 379	8 500
Transport equipment operatives	**3 415**	**431**	**348**	**205**	**237**	**299**	**408**	**811**	**594**	**82**	**7 460**	**8 512**
Bus drivers	220	8	5	18	20	39	29	45	51	5	7 690	8 600
Taxicab drivers and chauffeurs	219	47	84	22	6	20	7	17	16	–	3 488	...
Truck drivers and deliverymen	2 532	312	204	123	163	191	320	666	482	71	7 853	8 758
Other transport equipment operatives	444	64	55	42	48	49	52	83	45	6	6 265	7 104
Laborers, except farm	**3 563**	**1 084**	**587**	**214**	**205**	**286**	**414**	**509**	**234**	**30**	**4 516**	**7 140**
Construction laborers	780	107	78	21	34	84	150	201	100	5	7 440	8 273
Freight, stock, and material handlers	1 340	566	284	108	59	68	91	102	53	9	2 732	5 434
Other specified laborers	797	238	116	32	53	64	97	140	41	16	5 236	7 379
Miscellaneous and not specified laborers	646	173	109	53	59	70	76	66	40	–	4 774	6 881
Occupation:												
Miscellaneous laborers	101	18	12	4	10	11	16	20	10	–	6 591	...
Not specified laborers	545	155	97	49	49	59	60	46	30	–	4 418	6 673
Industry:												
Manufacturing	295	32	40	34	26	30	60	39	34	–	6 517	7 282
Durable goods	103	16	21	5	11	10	25	6	9	–	5 864	...
Wood products, including furniture	15	10	–	–	–	–	5	–	–	–	...	...
Metal industries	11	–	–	–	5	6	–	–	–	–	...	...
Machinery, including electrical	40	–	17	5	–	4	5	–	9	–	...	...
Transportation equipment	8	–	4	–	–	–	4	–	–	–	...	...
Other durable goods	29	6	–	–	6	–	11	6	–	–	...	...
Nondurable goods	192	16	19	29	15	20	35	33	25	–	6 850	7 386
Food and kindred products	121	16	3	14	4	11	15	33	25	–	7 833	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	351	141	69	19	33	40	16	27	6	–	3 000	6 375
Railroads and railway express service	27	9	4	4	5	–	–	5	–	–	...	...
Transportation, except railroads	–	–	–	–	–	–	–	–	–	–	–	–
Communications, and utilities and sanitary services	40	6	–	6	5	12	7	4	–	–	...	...
Wholesale and retail trade	135	59	17	5	16	14	4	14	6	–	3 000	...
All other industries	149	67	48	4	7	14	5	4	–	–	2 313	...
Farmers and farm managers	**2 577**	**432**	**348**	**202**	**245**	**191**	**155**	**309**	**410**	**285**	**6 322**	**6 565**
Farm laborers and farm foremen	**980**	**454**	**180**	**93**	**42**	**43**	**51**	**78**	**25**	**14**	**2 400**	**3 581**
Paid farm laborers and farm foremen	795	335	157	84	42	43	51	58	15	10	2 796	3 934
Unpaid family workers	185	119	23	9	–	–	–	20	10	4	1 555	1 985
Service workers, except private household[1]	**7 669**	**2 780**	**1 087**	**446**	**506**	**799**	**527**	**569**	**774**	**181**	**3 940**	**6 792**
Cleaning service workers	2 438	651	327	187	263	448	229	208	100	25	5 205	6 411
Food service workers	2 517	1 495	429	116	72	104	79	106	80	36	1 684	5 070
Cooks, except private household	720	365	148	59	34	28	24	30	27	5	1 973	4 241
Busboys and dishwashers	661	550	86	8	11	–	6	–	–	–	1 202	2 750
Health service workers	462	155	105	26	63	56	31	20	6	–	3 448	5 978
Personal service workers	631	157	87	31	21	88	59	45	97	46	6 222	7 337
Protective service workers	1 084	61	87	35	48	54	107	151	472	69	9 987	10 698
Firemen, fire protection	205	–	–	4	5	–	7	30	139	20	12 032	12 086
Guards and watchmen	272	17	44	27	40	32	42	38	32	–	6 250	7 393
Policemen and detectives	533	21	38	4	3	18	54	65	281	49	11 130	11 334
Private household workers	**31**	**10**	**15**	**6**	–	–	–	–	–	–	...	...

[1]Includes allocated cases not shown separately.

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
MILWAUKEE SMSA												
Total												
Experienced civilian labor force	**356 571**	**35 489**	**23 974**	**11 838**	**16 150**	**24 683**	**35 960**	**79 733**	**94 284**	**34 460**	**8 757**	**9 442**
Professional, technical, and kindred workers	**53 501**	**2 866**	**3 129**	**1 246**	**1 673**	**2 395**	**3 293**	**8 994**	**19 320**	**10 585**	**10 816**	**11 559**
Accountants	4 762	187	233	84	161	178	276	927	1 667	1 049	11 005	11 788
Architects	334	15	17	5	10	–	14	39	100	134	13 350	13 450
Computer specialists	1 534	52	60	39	51	79	141	326	680	106	10 140	10 665
Engineers	11 450	237	267	103	197	228	385	1 489	6 021	2 523	12 341	12 592
Aeronautical and astronautical	15	–	–	–	–	–	6	5	4	–	...	...
Civil	1 112	37	29	12	23	10	50	131	540	280	12 444	12 736
Electrical and electronic	2 732	62	63	29	48	54	59	282	1 580	555	12 434	12 763
Mechanical	2 113	38	30	14	22	35	37	255	1 132	550	12 763	12 888
Other engineers	5 478	100	145	48	104	129	233	816	2 765	1 138	12 105	12 346
Lawyers and judges	2 070	56	91	43	44	50	43	97	406	1 240	15000+	15000+
Life and physical scientists	964	45	13	17	29	44	55	189	381	191	11 181	11 789
Chemists	624	13	5	10	20	20	27	112	279	138	11 882	12 190
Physicians, dentists, and related practitioners	3 607	148	137	44	74	20	79	319	651	2 135	15000+	15000+
Dentists	724	31	31	7	30	9	19	58	103	436	15000+	15000+
Pharmacists	661	49	32	7	9	–	23	92	254	195	12 333	12 962
Physicians, medical and osteopathic	1 924	63	64	26	27	11	33	146	206	1 348	15000+	15000+
Other related practitioners	298	5	10	4	8	–	4	23	88	156	15000+	15000+
Health technologists and technicians	522	81	50	22	64	26	67	103	93	16	7 269	8 515
Religious workers	1 486	125	366	140	80	182	182	190	137	84	6 176	6 422
Social scientists	742	20	52	33	–	13	20	90	306	208	12 337	12 596
Social and recreation workers	1 068	100	105	28	73	68	83	224	310	77	8 688	9 835
Teachers	8 393	509	686	329	278	401	555	1 338	3 255	1 042	10 154	11 089
College and university	2 142	114	231	102	44	26	15	257	742	611	11 900	13 312
Elementary and prekindergarten	1 847	98	182	86	110	167	176	310	646	72	8 674	9 286
Secondary	3 804	156	220	87	93	198	318	698	1 719	315	10 384	10 848
Engineering and science technicians	6 215	315	355	152	269	596	740	1 782	1 784	222	8 764	9 208
Draftsmen and surveyors	3 256	130	197	83	148	365	402	880	918	133	8 689	9 127
Electrical and electronic engineering technicians	1 206	42	60	32	64	114	148	386	333	27	8 741	9 210
Technicians, except health, and engineering and science	510	20	44	–	10	28	36	95	235	42	10 468	11 413
Airplane pilots	108	4	10	–	4	–	–	10	70	10	11 857	...
Writers, artists, and entertainers	4 026	455	272	84	128	203	293	709	1 326	556	9 630	10 862
Other professional, technical, and kindred workers	5 818	501	381	123	205	279	324	1 077	1 968	960	10 048	10 957
Managers and administrators, except farm	**35 724**	**1 197**	**1 062**	**721**	**837**	**1 234**	**1 997**	**5 178**	**11 259**	**12 239**	**12 503**	**12 832**
Buyers, purchasing agents, and sales managers	5 619	107	108	93	118	161	326	1 047	1 850	1 809	12 296	12 543
School administrators	994	43	25	5	13	22	21	57	284	524	15000+	15000+
Specified managers and administrators, public administration	1 630	63	31	14	33	40	107	368	682	292	11 166	11 264
Other specified managers and administrators	5 974	239	315	192	258	289	412	948	1 820	1 501	10 918	11 427
Managers and administrators, n.e.c., salaried	18 349	507	377	286	256	473	965	2 334	5 854	7 297	13 396	13 689
Manufacturing	6 664	97	60	55	32	69	200	652	2 194	3 305	14 938	15000+
Wholesale and retail trade	5 297	164	124	125	114	228	441	990	1 606	1 505	11 440	11 760
Transportation, communications, and other public utilities	1 479	51	14	14	23	49	87	145	629	467	12 834	12 973
All other industries	4 909	195	179	92	87	127	237	547	1 425	2 020	13 475	14 058
Managers and administrators, n.e.c., self-employed	3 158	238	206	131	159	249	166	424	769	816	10 039	10 697
Construction	403	15	34	5	12	26	26	60	137	88	10 858	12 143
Manufacturing	300	23	11	16	–	16	–	41	79	114	12 722	12 933
Wholesale and retail trade	1 706	161	106	79	97	159	100	227	386	391	9 330	9 865
All other industries	749	39	55	31	50	48	40	96	167	223	10 464	10 949
Sales workers	**24 658**	**2 956**	**1 656**	**816**	**988**	**1 357**	**1 762**	**4 078**	**6 563**	**4 482**	**9 370**	**10 428**
Insurance agents, brokers, and underwriters	3 174	143	116	95	138	199	241	541	958	743	10 595	11 247
Real estate agents and brokers	1 182	125	76	39	61	26	62	139	217	437	11 452	12 567
Sales representatives, manufacturing industries	3 909	143	131	92	64	161	218	817	1 419	864	11 158	11 564
Sales representatives, wholesale trade	5 265	256	167	107	185	290	465	1 020	1 743	1 032	10 409	11 064
Sales clerks, retail trade	4 565	1 224	742	251	298	300	326	633	510	281	5 220	7 517
Salesmen, retail trade	2 292	189	187	126	66	146	183	392	721	282	9 270	10 146
Salesmen of services and construction	1 407	109	75	35	42	104	112	250	411	269	9 812	10 861
Other sales workers	2 864	767	162	71	134	131	155	286	584	574	8 084	10 212
Clerical and kindred workers	**27 267**	**2 916**	**2 449**	**1 147**	**1 433**	**2 672**	**4 123**	**7 076**	**4 471**	**980**	**7 732**	**8 386**
Bank tellers and cashiers	500	161	124	31	24	34	37	59	30	–	3 435	6 015
Bookkeepers and billing clerks	1 498	130	117	83	95	128	176	329	345	95	8 122	8 860
Mail handlers and postal clerks	3 928	225	191	127	139	364	731	1 547	561	43	8 242	8 533
Other clerical and kindred workers	21 341	2 400	2 017	906	1 175	2 146	3 179	5 141	3 535	842	7 637	8 339
Craftsmen and kindred workers	**77 590**	**3 817**	**3 055**	**1 930**	**2 918**	**4 627**	**7 562**	**19 503**	**30 337**	**3 841**	**9 527**	**9 912**
Apparel craftsmen and upholsterers	433	29	33	46	37	76	60	89	53	10	6 941	7 778
Bakers	621	123	22	18	35	61	105	127	115	15	7 490	8 213
Cabinetmakers	428	22	10	6	34	24	61	107	146	18	9 065	9 500
Construction craftsmen	16 687	868	621	394	566	840	1 311	3 423	7 739	925	10 207	10 989
Carpenters	4 016	207	167	126	198	238	403	748	1 798	131	9 789	10 791
Excavating, grading, and road machine operators	1 254	75	50	35	39	66	82	305	538	64	9 836	10 330
Electricians	3 427	96	58	36	62	153	197	626	1 965	234	11 235	11 531
Masons and tile setters	1 683	64	40	38	43	59	102	371	856	110	10 727	11 345
Painters, construction and maintenance, and paperhangers	2 008	207	178	79	99	153	218	477	548	49	8 294	9 213
Plasterers and cement finishers	592	28	9	7	42	49	46	145	227	39	9 586	11 304
Plumbers and pipe fitters	2 573	118	70	15	12	88	159	511	1 392	208	11 126	11 444
Other construction craftsmen	1 134	73	49	58	71	34	104	240	415	90	9 483	10 726
Foremen, n.e.c.	12 695	275	120	93	155	320	576	2 910	6 997	1 249	11 357	11 497
Manufacturing	8 793	167	48	61	91	187	382	2 020	5 055	782	11 425	11 545
Nonmanufacturing industries	3 902	108	72	32	64	133	194	890	1 942	467	11 179	11 368
Linemen and servicemen, telephone and power	1 836	91	110	57	84	102	147	330	871	44	9 982	10 467
Locomotive engineers and firemen	432	24	18	18	–	35	56	79	193	9	9 646	10 146
Mechanics and repairmen	14 183	853	710	483	814	1 053	1 861	4 155	3 868	386	8 634	9 052
Air conditioning, heating, and refrigeration	529	27	14	14	37	10	35	182	194	16	9 401	9 621
Aircraft	185	12	9	14	9	9	5	76	51	–	8 908	9 118
Automobile, including body	5 223	436	394	217	379	407	746	1 343	1 168	133	8 048	8 650
Radio and television	671	33	70	51	57	41	45	177	175	22	8 435	8 960
Other mechanics and repairmen	7 575	345	223	187	332	586	1 030	2 377	2 280	215	8 912	9 245
Metal craftsmen, except mechanics	15 682	540	419	291	431	988	1 640	4 582	6 191	600	9 542	9 793
Machinists and job and die setters	7 464	252	208	158	198	497	865	2 480	2 606	200	9 253	9 487
Sheetmetal workers and tinsmiths	1 288	53	11	15	45	73	93	371	584	43	9 908	9 852
Tool and die makers	3 220	105	85	25	46	120	227	740	1 650	222	10 794	11 140
Other metal craftsmen	3 710	130	115	93	142	298	455	991	1 351	135	9 255	9 584
Printing craftsmen	3 478	187	132	51	185	200	344	949	1 278	152	9 349	9 583
Compositors and typesetters	974	62	25	14	77	66	91	331	302	6	8 918	9 201
Pressmen and plate printers, printing	1 563	102	76	32	83	76	186	424	523	61	9 068	9 278
Stationary engineers and power station operators	1 394	56	5	9	25	74	135	392	612	86	10 008	10 486
Other craftsmen and kindred workers	9 721	749	855	464	552	854	1 266	2 360	2 274	347	8 102	8 716

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
MILWAUKEE SMSA—Continued												
Total—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**64 525**	**5 538**	**4 731**	**2 525**	**3 796**	**6 169**	**8 800**	**19 727**	**12 320**	**919**	**8 071**	**8 671**
Assemblers	7 413	386	483	291	473	991	1 187	2 257	1 277	68	7 912	8 561
Checkers, examiners, and inspectors; manufacturing	4 769	101	152	115	224	420	809	1 928	959	61	8 585	8 842
Garage workers and gas station attendants	2 483	1 276	544	84	135	102	92	143	61	46	1 946	4 471
Laundry and drycleaning operatives, n.e.c	387	85	58	59	60	20	60	18	20	7	4 856	5 468
Meat cutters and butchers	1 911	147	63	28	72	136	180	513	683	89	9 285	9 724
Mine operatives, n.e.c	75	6	9	5	5	14	5	6	19	6	...	...
Packers and wrappers, except produce	1 441	282	150	101	110	217	189	295	87	10	6 357	7 291
Painters, manufactured articles	968	59	64	48	41	104	145	339	154	14	8 136	8 547
Precision machine operatives	7 230	422	516	239	357	540	872	2 435	1 714	135	8 549	9 049
Sawyers	306	–	29	24	18	52	50	89	35	9	7 600	8 215
Stationary firemen	992	54	21	17	46	74	147	333	292	8	8 823	9 053
Textile operatives	148	29	21	3	15	37	18	16	9	–	6 162	...
Welders and flamecutters	6 459	280	277	166	307	642	886	2 274	1 541	86	8 591	8 972
Other metalworking operatives	4 195	254	244	167	288	476	702	1 228	764	72	7 952	8 589
Other specified operatives	8 823	778	949	416	540	811	1 163	2 445	1 589	132	7 789	8 467
Miscellaneous and not specified operatives	16 925	1 379	1 151	762	1 105	1 533	2 295	5 408	3 116	176	8 088	8 616
Occupation:												
Machine operatives, miscellaneous specified	5 862	442	404	242	338	587	851	1 716	1 205	77	8 078	8 629
Machine operatives, not specified	4 815	298	336	194	326	445	677	1 685	818	36	8 156	8 623
Miscellaneous operatives	3 726	448	277	271	323	321	454	1 001	596	35	7 491	8 327
Not specified operatives	2 522	191	134	55	118	180	313	1 006	497	28	8 537	8 894
Industry:												
Manufacturing	14 817	1 082	1 002	679	987	1 395	2 028	4 797	2 705	142	8 098	8 607
Durable goods	10 162	728	718	400	593	922	1 456	3 190	2 064	91	8 166	8 705
Wood products, including furniture	150	40	10	5	5	30	28	4	28	–	6 500	...
Primary metal industries	2 052	138	107	62	111	196	317	602	503	16	8 316	8 805
Fabricated metal industries	1 391	190	129	67	120	151	190	303	232	9	7 203	8 218
Machinery, including electrical	4 915	249	324	200	226	359	686	1 817	1 006	48	8 455	8 827
Motor vehicles and equipment	697	26	55	23	50	84	64	241	143	11	8 386	9 033
Transportation equipment, except motor vehicles	182	10	10	12	10	23	47	65	5	–	7 553	8 109
Other durable goods	775	75	83	31	71	79	124	158	147	7	7 391	7 982
Nondurable goods	4 548	329	277	274	379	469	553	1 589	632	46	7 987	8 423
Food and kindred products	1 967	66	79	58	71	145	194	1 014	319	21	8 731	8 972
Apparel and other fabricated textile products	10	–	–	6	–	–	–	–	4	–	...	...
Paper and allied products	647	64	50	52	88	94	131	112	51	5	6 739	7 314
Chemicals and allied products	317	18	20	35	22	40	55	78	49	–	7 427	7 611
Other nondurable goods	1 607	181	128	123	198	190	173	385	209	20	6 913	8 008
Not specified manufacturing industries	107	25	7	5	15	4	19	18	9	5	6 375	...
Nonmanufacturing industries	2 108	297	149	83	118	138	267	611	411	34	8 007	8 691
Transportation, communications, and other public utilities	459	26	10	19	23	4	73	201	98	5	8 741	8 902
Wholesale and retail trade	981	193	87	39	69	88	108	233	149	15	7 134	8 346
All other industries	668	78	52	25	26	46	86	177	164	14	8 237	8 957
Transport equipment operatives	**19 819**	**1 631**	**1 291**	**832**	**1 034**	**1 419**	**2 674**	**6 085**	**4 339**	**514**	**8 338**	**8 890**
Bus drivers	1 476	122	62	52	22	46	366	606	194	6	8 224	8 605
Taxicab drivers and chauffeurs	712	90	113	60	99	97	85	133	24	11	5 939	6 952
Truck drivers and deliverymen	13 509	1 068	818	496	665	836	1 497	3 997	3 675	457	8 688	9 252
Other transport equipment operatives	4 122	351	298	224	248	440	726	1 349	446	40	7 689	8 188
Laborers, except farm	**21 648**	**5 160**	**2 845**	**931**	**1 430**	**2 171**	**2 999**	**3 945**	**1 974**	**193**	**6 211**	**7 469**
Construction laborers	2 960	232	219	126	174	253	387	868	667	34	8 205	9 007
Freight, stock, and material handlers	9 476	2 806	1 440	390	510	898	1 272	1 501	602	57	5 200	7 283
Other specified laborers	4 216	1 319	608	169	370	392	527	461	300	70	5 032	6 825
Miscellaneous and not specified laborers	4 996	803	578	246	376	628	813	1 115	405	32	6 788	7 707
Occupation:												
Miscellaneous laborers	1 646	192	181	75	105	192	275	451	165	10	7 284	8 010
Not specified laborers	3 350	611	397	171	271	436	538	664	240	22	6 516	7 547
Industry:												
Manufacturing	3 236	410	351	176	244	397	575	749	319	15	7 070	7 877
Durable goods	2 469	278	294	135	181	320	440	558	248	15	7 060	7 864
Wood products, including furniture	41	10	6	10	–	–	10	5	–	–	...	...
Metal industries	973	105	148	46	82	113	154	225	100	–	6 934	7 918
Machinery, including electrical	1 011	109	89	52	86	159	210	206	89	11	7 050	7 585
Transportation equipment	295	18	29	27	13	38	48	85	37	–	7 469	8 469
Other durable goods	149	36	22	–	–	10	18	37	22	4	7 361	...
Nondurable goods	762	127	57	41	63	77	135	191	71	–	7 119	7 917
Food and kindred products	428	43	4	18	22	24	111	152	54	–	7 928	8 293
Not specified manufacturing industries	5	5	–	–	–	–	–	–	–	–	...	–
Nonmanufacturing industries	1 760	393	227	70	132	231	238	366	86	17	6 251	7 329
Railroads and railway express service	148	11	31	13	30	14	18	20	11	–	5 633	...
Transportation, except railroads	93	22	16	4	4	5	10	28	4	–	...	...
Communications, and utilities and sanitary services	338	41	19	5	19	38	86	110	20	–	7 547	7 809
Wholesale and retail trade	548	182	88	18	52	40	29	107	27	5	4 222	7 150
All other industries	633	137	73	30	27	134	95	101	24	12	6 369	6 948
Farmers and farm managers	**2 446**	**607**	**447**	**104**	**239**	**134**	**140**	**228**	**314**	**233**	**5 272**	**5 383**
Farm laborers and farm foremen	**1 192**	**610**	**178**	**71**	**59**	**71**	**45**	**85**	**62**	**11**	**1 954**	**3 786**
Paid farm laborers and farm foremen	1 130	568	163	71	59	71	45	80	62	11	1 989	4 008
Unpaid family workers	62	42	15	–	–	–	–	5	–	–	...	...
Service workers, except private household[1]	**28 095**	**8 136**	**3 118**	**1 498**	**1 740**	**2 434**	**2 565**	**4 821**	**3 325**	**458**	**5 745**	**7 687**
Cleaning service workers	8 753	2 511	927	610	769	1 206	1 207	990	483	50	5 427	6 713
Food service workers	7 004	3 508	979	330	383	442	302	475	450	135	1 997	5 981
Cooks, except private household	2 113	1 021	303	79	138	119	136	170	133	14	2 234	5 891
Busboys and dishwashers	1 753	1 538	157	27	6	6	–	6	8	5	1 140	1 446
Health service workers	844	234	199	88	56	148	49	48	22	–	3 889	5 683
Personal service workers	2 290	681	296	186	193	178	182	283	181	110	4 903	6 982
Protective service workers	6 894	522	286	164	231	299	585	2 752	1 938	117	8 988	9 277
Firemen, fire protection	1 487	9	4	7	8	36	104	873	415	31	9 318	9 343
Guards and watchmen	1 635	377	202	123	130	121	202	293	178	9	5 888	7 458
Policemen and detectives	3 333	61	74	34	83	134	207	1 410	1 253	77	9 523	9 648
Private household workers	**106**	**55**	**13**	**17**	**3**	–	–	**13**	–	**5**	**1 927**	...

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
MILWAUKEE SMSA—Continued												
Negro												
Experienced civilian labor force	**19 962**	**2 850**	**2 395**	**1 450**	**2 032**	**2 582**	**2 419**	**3 807**	**2 122**	**305**	**6 486**	**7 269**
Professional, technical, and kindred workers	**1 047**	**156**	**54**	**49**	**56**	**87**	**75**	**229**	**251**	**90**	**8 406**	**9 340**
Accountants	39	7	–	6	–	–	–	9	11	6	...	...
Architects	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	13	–	–	–	–	13	–	–	–	–	...	...
Engineers	68	–	15	–	–	–	6	9	38	–	...	...
Aeronautical and astronautical	–	–	–	–	–	–	–	–	–	–	–	–
Civil	11	–	–	–	–	–	–	5	6	–	...	...
Electrical and electronic	39	–	9	–	–	–	–	4	26	–	...	...
Mechanical	6	–	–	–	–	–	6	–	–	–	...	...
Other engineers	12	–	6	–	–	–	–	–	6	–	...	...
Lawyers and judges	7	–	–	–	–	–	–	–	4	3	...	...
Life and physical scientists	28	–	–	6	–	–	–	14	8	–	...	...
Chemists	20	–	–	6	–	–	–	14	–	–	...	...
Physicians, dentists, and related practitioners	46	–	–	–	–	–	–	12	7	27	...	...
Dentists	–	–	–	–	–	–	–	–	–	–	–	–
Pharmacists	5	–	–	–	–	–	–	–	–	5	...	...
Physicians, medical and osteopathic	41	–	–	–	–	–	–	12	7	22	...	...
Other related practitioners	–	–	–	–	–	–	–	–	–	–	–	–
Health technologists and technicians	37	5	–	–	5	10	7	–	10	–	...	...
Religious workers	31	4	–	9	4	–	5	9	–	–	...	...
Social scientists	13	–	–	–	–	–	–	–	–	13	...	–
Social and recreation workers	129	13	8	–	10	16	5	35	38	4	8 714	9 514
Teachers	234	33	5	13	4	5	19	79	71	5	8 962	10 759
College and university	27	–	5	–	–	–	–	11	6	5	...	...
Elementary and prekindergarten	91	7	–	7	–	–	6	33	38	–	...	...
Secondary	93	24	–	6	4	5	6	26	22	–	...	...
Engineering and science technicians	80	19	4	6	7	20	4	9	11	–	...	...
Draftsmen and surveyors	14	4	–	–	–	10	–	–	–	–	...	...
Electrical and electronic engineering technicians	5	–	–	–	–	–	–	–	5	–	...	...
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	–	–	–	–	–
Airplane pilots	–	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	71	28	7	6	5	–	6	14	5	–	...	...
Other professional, technical, and kindred workers	251	47	15	3	21	23	23	39	48	32	7 717	9 256
Managers and administrators, except farm	**539**	**36**	**29**	**74**	**51**	**42**	**35**	**66**	**145**	**61**	**8 076**	**8 727**
Buyers, purchasing agents, and sales managers	15	–	–	–	–	–	–	4	11	–	...	...
School administrators	34	–	–	–	5	4	–	6	11	8	...	...
Specified managers and administrators, public administration	47	–	–	4	–	4	–	5	29	5	...	...
Other specified managers and administrators	166	5	22	37	16	24	11	29	17	5	6 125	6 271
Managers and administrators, n.e.c., salaried	218	31	7	17	27	5	24	22	62	23	7 917	9 091
Manufacturing	41	6	–	–	–	–	6	4	21	4	...	...
Wholesale and retail trade	75	6	–	11	20	5	9	18	6	–	...	...
Transportation, communications, and other public utilities	16	5	–	–	7	–	4	–	–	–	...	...
All other industries	86	14	7	6	–	–	5	–	35	19	...	...
Managers and administrators, n.e.c., self-employed	59	–	–	16	3	5	–	–	15	20	...	...
Construction	7	–	–	–	–	–	–	–	7	–	...	...
Manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Wholesale and retail trade	32	–	–	11	3	5	–	–	8	5	...	...
All other industries	20	–	–	5	–	–	–	–	–	15	...	...
Sales workers	**391**	**130**	**50**	**31**	**37**	**39**	**42**	**17**	**30**	**15**	**4 500**	**6 212**
Insurance agents, brokers, and underwriters	59	–	7	7	19	–	17	–	9	–	...	...
Real estate agents and brokers	30	6	5	–	–	–	–	5	4	10	...	...
Sales representatives, manufacturing industries	42	–	–	–	–	19	10	4	4	5	...	...
Sales representatives, wholesale trade	10	–	6	–	–	–	4	–	–	–	...	...
Sales clerks, retail trade	119	49	29	12	14	–	6	–	9	–	2 724	...
Salesmen, retail trade	23	5	–	–	4	7	–	3	4	–	...	...
Salesmen of services and construction	13	–	–	6	–	7	–	–	–	–	...	...
Other sales workers	95	70	3	6	–	6	5	5	–	–	...	...
Clerical and kindred workers	**976**	**197**	**128**	**79**	**48**	**150**	**117**	**183**	**69**	**5**	**6 240**	**7 184**
Bank tellers and cashiers	17	12	5	–	–	–	–	–	–	–	...	...
Bookkeepers and billing clerks	16	7	–	–	4	5	–	–	–	–	...	...
Mail handlers and postal clerks	180	33	–	8	7	32	4	73	23	–	8 164	8 742
Other clerical and kindred workers	763	145	123	71	37	113	113	110	46	5	6 049	7 049
Craftsmen and kindred workers	**3 435**	**328**	**433**	**211**	**357**	**538**	**475**	**628**	**432**	**33**	**6 722**	**7 076**
Apparel craftsmen and upholsterers	18	–	–	–	10	8	–	–	–	–	...	...
Bakers	26	17	–	–	4	–	5	–	–	–	...	...
Cabinetmakers	–	–	–	–	–	–	–	–	–	–	–	–
Construction craftsmen	496	72	77	25	49	49	46	110	68	–	6 510	7 617
Carpenters	59	6	10	–	4	5	–	19	15	–	...	...
Excavating, grading, and road machine operators	98	13	22	4	14	–	9	9	27	–	...	...
Electricians	62	11	8	5	–	6	18	4	10	–	...	...
Masons and tile setters	40	–	5	–	12	–	6	11	6	–	...	...
Painters, construction and maintenance, and paperhangers	128	32	15	9	10	25	9	28	–	–	5 800	...
Plasterers and cement finishers	81	5	4	7	9	13	4	35	4	–	...	...
Plumbers and pipe fitters	28	5	13	–	–	–	–	4	6	–	...	...
Other construction craftsmen	–	–	–	–	–	–	–	–	–	–	–	–
Foremen, n.e.c	197	20	2	5	16	33	24	35	53	9	7 938	7 275
Manufacturing	144	8	2	–	12	28	24	21	44	5	7 917	7 350
Nonmanufacturing industries	53	12	–	5	4	5	–	14	9	4	...	...
Linemen and servicemen, telephone and power	64	8	5	4	5	18	8	16	–	–	...	...
Locomotive engineers and firemen	15	7	–	–	–	5	3	–	–	–	...	...
Mechanics and repairmen	486	25	53	29	50	68	73	96	76	16	7 247	7 546
Air conditioning, heating, and refrigeration	7	–	–	–	–	–	–	–	7	–	...	...
Aircraft	–	–	–	–	–	–	–	–	–	–	–	–
Automobile, including body	243	10	39	16	37	31	26	44	34	6	6 629	7 327
Radio and television	15	–	4	–	5	–	6	–	–	–	...	...
Other mechanics and repairmen	221	15	10	13	8	37	41	52	35	10	7 671	7 697
Metal craftsmen, except mechanics	842	54	92	66	91	165	120	114	132	8	6 715	6 814
Machinists and job and die setters	377	30	48	16	48	72	25	61	73	4	6 646	6 677
Sheetmetal workers and tinsmiths	18	–	–	–	6	12	–	–	–	–	...	...
Tool and die makers	48	3	15	–	–	5	9	6	10	–	...	...
Other metal craftsmen	399	21	29	50	37	76	86	47	49	4	6 822	6 885
Printing craftsmen	73	17	7	7	4	11	10	17	–	–	...	...
Compositors and typesetters	27	5	–	–	4	6	–	12	–	–	...	...
Pressmen and plate printers, printing	46	12	7	7	–	5	10	5	–	–	...	...
Stationary engineers and power station operators	59	–	–	–	10	22	3	–	24	–	...	...
Other craftsmen and kindred workers	1 159	108	197	75	118	159	183	240	79	–	6 513	7 081

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

MILWAUKEE SMSA—Continued

Negro—Continued

Experienced civilian labor force—Continued

	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
Operatives, except transport	**7 106**	**614**	**785**	**495**	**788**	**904**	**864**	**1 757**	**834**	**65**	**6 963**	**7 810**
Assemblers	439	22	66	5	68	86	69	90	29	4	6 680	7 384
Checkers, examiners, and inspectors, manufacturing	195	5	22	17	25	27	22	54	23	–	7 068	7 821
Garage workers and gas station attendants	103	4	50	5	20	–	17	3	4	–	3 900	...
Laundry and drycleaning operatives, n.e.c	50	5	3	10	20	3	–	5	4	–	...	...
Meat cutters and butchers	231	20	6	–	18	25	30	71	56	5	8 465	9 016
Mine operatives, n.e.c	10	–	–	–	–	–	5	–	5	–	...	...
Packers and wrappers, except produce	118	32	6	27	21	12	–	12	8	–	4 778	...
Painters, manufactured articles	72	12	10	6	7	18	5	14	–	–	...	...
Precision machine operatives	586	57	71	39	45	71	69	162	65	7	7 145	8 256
Sawyers	17	–	5	6	–	–	3	3	–	–	...	...
Stationary firemen	54	10	–	–	3	6	–	17	18	–	...	...
Textile operatives	35	–	–	–	11	19	–	5	–	–	...	...
Welders and flamecutters	984	41	60	28	53	142	117	326	204	13	8 313	8 694
Other metalworking operatives	595	37	39	45	41	100	87	159	82	5	7 408	8 226
Other specified operatives	1 588	167	252	138	170	170	171	369	142	9	6 394	7 160
Miscellaneous and not specified operatives	2 029	202	195	169	286	225	269	467	194	22	6 722	7 651
Occupation:												
Machine operatives, miscellaneous specified	726	71	63	73	89	111	113	145	51	10	6 604	7 358
Machine operatives, not specified	581	35	69	32	85	66	68	184	39	3	7 051	8 037
Miscellaneous operatives	515	63	27	36	82	44	67	108	85	3	7 082	7 702
Not specified operatives	207	33	36	28	30	4	21	30	19	6	5 217	7 200
Industry:												
Manufacturing	1 780	173	171	149	254	208	213	419	171	22	6 688	7 631
Durable goods	1 221	129	107	107	142	153	147	285	139	12	6 820	7 763
Wood products, including furniture	15	5	–	–	–	6	4	–	–	–	...	...
Primary metal industries	382	44	19	32	53	63	42	86	37	6	6 683	7 742
Fabricated metal industries	115	7	26	6	21	–	29	17	9	–	5 881	...
Machinery, including electrical	399	47	32	51	40	30	44	120	35	–	6 983	7 963
Motor vehicles and equipment	205	15	16	6	11	37	8	57	49	6	8 333	9 050
Transportation equipment, except motor vehicles	15	–	–	–	10	–	–	5	–	–	...	...
Other durable goods	90	11	14	12	7	17	20	–	9	–	...	...
Nondurable goods	538	38	64	42	107	55	59	131	32	10	6 327	7 368
Food and kindred products	131	14	11	11	18	8	22	27	20	–	7 159	...
Apparel and other fabricated textile products	6	–	–	6	–	–	–	–	–	–	...	...
Paper and allied products	70	13	12	–	22	6	8	–	4	5	...	...
Chemicals and allied products	6	–	–	6	–	–	–	–	–	–	...	...
Other nondurable goods	325	11	41	19	67	41	29	104	8	5	6 598	7 679
Not specified manufacturing industries	21	6	–	–	5	–	7	3	–	–	...	...
Nonmanufacturing industries	249	29	24	20	32	17	56	48	23	–	7 045	7 737
Transportation, communications, and other public utilities	19	–	–	–	6	–	–	13	–	–	...	...
Wholesale and retail trade	176	29	21	14	19	17	29	31	16	–	6 294	7 706
All other industries	54	–	3	6	7	–	27	4	7	–	...	...
Transport equipment operatives	**1 234**	**126**	**111**	**104**	**130**	**153**	**185**	**311**	**95**	**19**	**6 954**	**7 679**
Bus drivers	68	–	–	8	–	4	12	41	3	–	...	...
Taxicab drivers and chauffeurs	88	11	18	5	15	21	6	–	6	6	...	...
Truck drivers and delivermen	620	61	49	44	93	74	82	147	57	13	6 851	7 779
Other transport equipment operatives	458	54	44	47	22	54	85	123	29	–	7 094	7 550
Laborers, except farm	**3 145**	**640**	**413**	**224**	**386**	**398**	**429**	**484**	**160**	**11**	**5 766**	**6 797**
Construction laborers	421	39	25	40	70	53	74	79	41	–	6 689	7 473
Freight, stock, and material handlers	789	172	70	55	92	98	155	132	15	–	6 056	7 137
Other specified laborers	959	307	163	65	130	95	78	78	43	–	4 146	5 856
Miscellaneous and not specified laborers	976	122	155	64	94	152	122	195	61	11	6 349	6 981
Occupation:												
Miscellaneous laborers	460	79	58	28	33	68	49	104	41	–	6 471	7 569
Not specified laborers	516	43	97	36	61	84	73	91	20	11	6 250	6 736
Industry:												
Manufacturing	731	93	98	40	65	116	96	164	55	4	6 599	7 346
Durable goods	629	73	98	26	40	105	84	150	49	4	6 738	7 474
Wood products, including furniture	–	–	–	–	–	–	–	–	–	–	–	–
Metal industries	298	51	41	12	34	39	40	56	25	–	6 282	7 133
Machinery, including electrical	203	13	36	10	6	45	22	57	10	4	6 811	7 500
Transportation equipment	116	9	15	4	–	21	16	37	14	–	7 563	...
Other durable goods	12	–	6	–	–	–	6	–	–	–	...	...
Nondurable goods	102	20	–	14	25	11	12	14	6	–	5 680	...
Food and kindred products	39	10	–	5	7	5	12	–	–	–	...	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	245	29	57	24	29	36	26	31	6	7	5 431	6 234
Railroads and railway express service	35	–	5	7	12	6	–	5	–	–	...	...
Transportation, except railroads	6	–	6	–	–	–	–	–	–	–	...	...
Communications, and utilities and sanitary services	64	18	6	5	4	–	12	13	6	–	...	...
Wholesale and retail trade	68	–	27	12	10	15	4	–	–	–	...	...
All other industries	72	11	13	–	3	15	10	13	–	7	...	...
Farmers and farm managers	**114**	**68**	**9**	**4**	**12**	**6**	**–**	**10**	**5**	**–**	**1 676**	**1 821**
Farm laborers and farm foremen	**46**	**35**	**–**	**–**	**–**	**–**	**–**	**6**	**5**	**–**	...	...
Paid farm laborers and farm foremen	46	35	–	–	–	–	–	6	5	–	...	...
Unpaid family workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, except private household[1]	**1 909**	**515**	**379**	**171**	**164**	**265**	**197**	**116**	**96**	**6**	**4 354**	**5 851**
Cleaning service workers	596	93	107	90	94	82	73	41	16	–	5 085	5 634
Food service workers	378	177	57	27	23	43	26	11	8	6	2 421	5 239
Cooks, except private household	94	30	14	9	4	11	12	6	8	–	...	...
Busboys and dishwashers	131	105	20	6	–	–	–	–	–	–	1 248	...
Health service workers	160	43	41	10	12	31	7	11	5	–	3 805	...
Personal service workers	185	48	40	13	14	32	22	11	5	–	4 346	6 138
Protective service workers	167	23	12	11	7	12	21	32	49	–	7 881	8 852
Firemen, fire protection	5	–	–	–	–	–	–	5	–	–	...	...
Guards and watchmen	106	17	12	11	–	12	18	11	25	–	7 056	...
Policemen and detectives	52	6	–	–	7	–	3	12	24	–	...	...
Private household workers	**20**	**5**	**4**	**8**	**3**	**–**	**–**	**–**	**–**	**–**	...	...

[1]Includes allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas of 250,000 or More

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE													
Total													
Experienced civilian labor force	617 795	53 611	54 325	95 625	78 096	87 525	79 583	59 562	40 109	52 605	16 754	3 311	4 392
Professional, technical, and kindred workers	95 463	4 802	4 878	9 104	8 929	8 656	8 243	7 389	8 762	25 372	9 328	5 422	6 303
Accountants	3 897	120	143	291	260	375	556	716	500	637	299	5 284	5 840
Computer specialists	631	16	–	21	54	30	101	55	91	184	79	6 423	7 353
Librarians	2 172	170	181	319	159	125	133	136	159	555	235	4 992	6 431
Mathematical specialists	155	5	10	6	9	12	35	25	26	18	9	5 020	5 460
Life and physical scientists	412	9	25	57	22	12	52	17	85	86	47	6 141	6 694
Registered nurses, dietitians, and therapists	19 559	526	648	1 685	1 934	2 618	2 335	1 882	1 860	5 056	1 015	5 018	6 398
Dietitians	1 170	58	51	166	160	184	148	78	80	165	80	3 815	4 513
Registered nurses	16 833	393	492	1 370	1 643	2 266	2 053	1 670	1 611	4 562	773	5 119	6 496
Health technologists and technicians	5 084	202	335	560	406	615	647	750	505	890	174	4 655	5 510
Social scientists	276	–	16	38	22	25	21	19	15	55	65	5 842	8 909
Social and recreation workers	2 708	135	192	203	202	250	171	135	227	878	315	6 291	8 005
Teachers: College and university	4 094	195	292	567	388	301	224	212	233	773	909	5 377	8 196
Elementary and prekindergarten	28 407	1 144	1 028	2 264	2 864	1 897	1 758	1 586	2 641	9 934	3 291	6 629	7 265
Secondary	10 170	333	369	863	1 098	659	446	353	1 154	3 529	1 366	6 835	7 200
Other teachers	2 708	563	434	492	246	186	204	85	80	272	146	1 726	4 140
Engineering and science technicians	2 119	71	146	203	190	225	321	371	236	308	48	4 699	5 579
Technicians, except health, and engineering and science	331	27	20	20	29	51	86	38	33	22	5	4 215	4 592
Writers, artists, and entertainers	4 231	653	526	680	420	389	383	368	211	379	222	2 611	4 601
Actors and dancers	109	5	17	18	5	29	5	11	5	5	9	3 328	...
Authors, editors, and reporters	1 138	163	143	129	113	121	93	73	79	142	82	3 174	5 093
Other professional, technical, and kindred workers	8 509	633	513	835	626	886	770	641	706	1 796	1 103	4 989	6 314
Managers and administrators, except farm	18 621	819	729	1 754	1 601	1 927	2 159	2 171	1 902	3 142	2 417	5 148	5 730
Buyers, purchasing agents, and sales managers	2 208	35	43	124	179	423	310	341	308	290	155	4 968	5 405
Restaurant, cafeteria, and bar managers	2 436	170	137	256	290	367	299	304	168	181	264	3 995	4 544
School administrators	1 027	44	34	167	202	39	65	37	54	90	295	4 423	6 679
Other specified managers and administrators	4 406	192	202	375	301	343	489	477	471	1 026	530	5 631	6 219
Managers and administrators, n.e.c., salaried	6 242	131	166	428	373	564	791	826	820	1 313	830	5 809	6 276
Wholesale and retail trade	2 315	48	66	198	142	262	355	344	225	426	249	5 251	5 623
Managers and administrators, n.e.c., self-employed	2 302	247	147	404	256	191	205	186	81	242	343	3 508	4 250
Wholesale and retail trade	1 448	175	103	220	152	129	151	122	54	157	185	3 574	4 107
Sales workers	47 443	6 627	6 602	12 390	8 144	6 984	2 960	1 471	837	763	665	1 847	2 931
Demonstrators, hucksters, and peddlers	3 203	1 012	737	848	251	119	91	54	36	21	34	900	1 596
Insurance, real estate agents, and brokers	1 525	53	105	175	128	180	223	176	139	165	181	4 545	5 444
Sales clerks, retail trade	35 293	4 457	4 709	9 739	6 705	5 842	2 156	762	422	294	207	1 871	2 886
Salesmen, retail trade	1 156	128	120	295	175	152	90	76	39	51	30	2 200	3 482
Other sales workers	6 266	977	931	1 333	885	691	400	403	201	232	213	1 919	3 147
Clerical and kindred workers	197 381	11 634	14 436	26 420	23 500	29 240	35 687	27 445	15 441	11 883	1 695	3 776	4 662
Bank tellers	4 056	142	180	464	492	856	1 101	498	217	102	4	3 876	4 395
Bookkeepers	23 100	937	1 166	2 901	2 564	3 623	4 413	3 408	2 059	1 636	393	4 081	4 591
Cashiers	15 255	1 700	2 121	3 666	2 470	2 131	1 339	1 108	485	213	22	2 057	3 351
Counter clerks, except food	2 597	228	291	526	316	385	368	224	132	110	17	2 802	3 903
Enumerators and interviewers	577	188	112	82	60	44	25	26	14	26	–	949	3 857
File clerks	4 073	362	509	566	570	664	770	336	148	128	20	3 044	4 409
Office machine operators	8 938	401	461	1 103	1 036	1 244	2 043	1 459	725	408	58	4 110	4 825
Bookkeeping and billing machine operators	1 248	55	29	196	162	250	283	170	85	9	9	3 728	4 368
Keypunch operators	5 664	263	286	655	645	761	1 339	926	462	305	22	4 166	4 898
Payroll and timekeeping clerks	2 394	77	51	160	182	385	459	475	258	310	37	4 745	5 174
Receptionists	6 773	507	715	1 197	778	1 222	1 231	720	281	96	26	3 155	4 167
Secretaries	45 777	1 544	2 135	4 721	4 688	6 499	8 966	8 143	4 687	3 934	460	4 368	5 024
Stenographers	3 625	111	166	195	330	415	904	685	407	369	43	4 659	5 179
Telephone operators	5 770	208	467	731	725	824	1 141	948	419	255	52	3 915	4 782
Typists	16 255	1 050	1 305	2 335	2 020	2 352	3 417	2 124	1 071	542	39	3 603	4 601
Other clerical and kindred workers	58 191	4 179	4 757	7 773	7 269	8 596	9 510	7 291	4 538	3 754	524	3 595	4 625
Craftsmen and kindred workers	11 821	513	580	1 163	1 074	1 792	1 983	1 802	909	1 385	620	4 398	5 129
Foremen, n.e.c.	2 479	48	62	123	107	243	494	509	292	449	152	5 319	5 611
Operatives, except transport	90 537	4 260	5 105	9 949	10 871	17 390	16 194	11 534	7 757	6 848	629	3 867	4 710
Assemblers	16 160	539	693	1 295	1 710	2 707	3 088	2 381	1 857	1 788	102	4 368	5 231
Bottling and canning operatives	410	19	32	89	43	77	75	24	22	16	13	3 286	4 448
Checkers, examiners, and inspectors; manufacturing	7 384	172	223	481	704	1 363	1 357	1 279	1 037	734	34	4 552	5 245
Dressmakers and seamstresses, except factory	1 830	222	241	431	276	356	149	83	29	25	18	2 076	3 071
Laundry and drycleaning operatives, including ironers	5 032	377	325	901	1 093	1 243	610	288	121	59	15	2 835	3 421
Graders and sorters, manufacturing	848	63	82	80	70	126	148	134	92	53	–	4 020	4 991
Packers and wrappers, except produce	9 514	567	693	1 176	1 274	1 854	1 718	1 044	639	487	62	3 565	4 481
Sewers and stitchers	8 131	340	420	1 058	1 114	2 245	1 718	754	311	143	28	3 505	4 081
Textile operatives	1 542	62	94	219	200	390	278	193	53	53	–	3 503	4 060
Other specified operatives	18 131	905	1 063	1 902	1 879	3 271	3 217	2 374	1 678	1 649	193	4 014	4 869
Miscellaneous and not specified operatives	21 555	994	1 239	2 317	2 508	3 758	3 836	2 980	1 918	1 841	164	3 990	4 908
Manufacturing	19 279	750	1 037	2 009	2 130	3 286	3 591	2 776	1 805	1 750	145	4 119	4 984
Durable goods	10 791	249	452	972	1 180	1 796	1 970	1 730	1 143	1 247	52	4 379	5 234
Machinery, including electrical	4 526	66	211	333	444	712	772	667	562	731	28	4 644	5 596
Other durable goods	6 265	183	241	639	736	1 084	1 198	1 063	581	516	24	4 208	5 001
Nondurable goods, including not specified manufacturing	8 488	501	585	1 037	950	1 490	1 621	1 046	662	503	93	3 786	4 712
Food and kindred products	1 601	197	155	252	192	268	243	130	67	85	12	3 017	4 384
Apparel and other fabricated textile products	489	37	42	60	46	141	119	20	8	16	–	3 422	3 983
Nonmanufacturing industries	2 276	244	202	308	378	472	245	204	113	91	19	3 013	3 974
Transport equipment operatives	2 914	239	382	760	498	263	163	184	121	198	106	2 153	5 097
Laborers, except farm	8 509	886	843	1 496	1 015	1 505	1 034	868	407	397	58	3 010	4 045
Farmers and farm managers	3 226	453	302	773	400	370	243	252	119	143	171	2 213	2 292
Farm laborers and farm foremen	2 946	967	742	436	239	229	117	76	51	64	25	841	950
Paid farm laborers and farm foremen	2 083	631	566	339	169	159	90	43	46	29	11	863	979
Unpaid family workers	863	336	176	97	70	70	27	33	5	35	14	771	870
Service workers, except private household[1]	124 146	16 545	16 126	28 056	20 706	18 630	10 669	6 284	3 767	2 364	999	2 065	3 303
Cleaning service workers	16 212	2 424	2 115	3 456	2 738	2 734	1 381	667	406	226	65	2 041	2 974
Chambermaids and maids	4 018	594	552	962	736	683	264	69	96	41	21	1 897	2 832
Food service workers	53 139	8 635	8 363	14 400	9 576	6 016	2 872	1 627	709	584	357	1 665	2 756
Cooks, except private household	13 870	1 068	1 314	4 000	2 973	2 064	1 199	621	322	233	76	2 186	3 216
Waiters and food counter workers	25 813	4 981	4 847	7 244	4 525	2 356	951	490	147	177	95	1 425	2 399
Health service workers	32 121	2 327	2 914	5 565	5 385	6 683	4 238	2 580	1 693	554	182	2 976	3 754
Nursing aides, orderlies, and attendants	22 413	1 694	2 180	4 153	4 083	4 847	2 682	1 300	1 038	319	117	2 779	3 599
Practical nurses	4 529	165	216	626	604	663	654	916	494	159	32	3 986	5 039
Personal service workers	12 946	1 698	1 492	2 415	1 621	1 952	1 296	936	584	675	277	2 535	3 844
Hairdressers and cosmetologists	7 525	546	611	1 325	1 034	1 397	881	678	418	431	204	3 176	3 915
Private household workers	14 788	5 866	3 600	3 324	1 119	539	131	86	36	46	41	712	1 116
Private household workers, living in	1 223	228	263	411	198	72	22	11	6	6	6	1 293	1 402
Private household workers, living out	13 565	5 638	3 337	2 913	921	467	109	75	30	40	35	671	1 050

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE—Continued

Negro

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	18 260	1 476	1 418	2 410	2 400	3 331	2 424	1 913	1 459	1 047	382	3 428	4 273
Professional, technical, and kindred workers	1 779	67	82	116	155	191	158	151	255	321	283	5 798	6 013
Accountants	39	3	–	7	4	–	16	9	–	–	–	...	...
Computer specialists	3	–	–	–	–	3	–	–	–	–	–	...	–
Librarians	42	10	7	13	4	4	–	–	–	–	4	...	...
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	9	–	–	–	5	–	–	–	–	4	–	...	...
Registered nurses, dietitians, and therapists	222	–	9	9	19	25	35	29	59	20	17	5 483	6 198
Dietitians	64	–	–	–	15	10	26	–	13	–	–	...	...
Registered nurses	139	–	5	9	4	15	9	25	41	20	11	6 061	...
Health technologists and technicians	126	–	5	10	–	13	9	17	38	24	10	6 237	...
Social scientists	3	–	–	–	–	–	–	–	–	–	3	...	–
Social and recreation workers	251	9	30	5	35	55	12	25	33	39	8	3 845	6 304
Teachers: College and university	50	–	–	10	–	–	10	–	7	–	23	...	...
Elementary and prekindergarten	520	13	15	34	67	29	30	5	37	150	140	7 600	6 125
Secondary	149	–	–	10	4	18	–	11	16	47	43	7 989	...
Other teachers	16	–	–	–	–	–	–	–	–	16	–	...	...
Engineering and science technicians	48	4	7	4	–	5	8	10	10	–	–	...	...
Technicians, except health, and engineering and science	5	–	–	–	–	–	5	–	–	–	–	...	...
Writers, artists, and entertainers	15	10	–	5	–	–	–	–	–	–	–	...	...
Actors and dancers	–	–	–	–	–	–	–	–	–	–	–	–	–
Authors, editors, and reporters	5	–	–	5	–	–	–	–	–	–	–	...	–
Other professional, technical, and kindred workers	281	18	9	9	17	39	33	45	55	21	35	5 344	5 549
Managers and administrators, except farm	128	–	–	16	15	13	–	26	11	25	22	5 769	...
Buyers, purchasing agents, and sales managers	–	–	–	–	–	–	–	–	–	–	–	–	–
Restaurant, cafeteria, and bar managers	12	–	–	7	–	–	–	–	–	5	–	...	...
School administrators	38	–	–	–	10	5	–	6	–	3	14	...	...
Other specified managers and administrators	27	–	–	4	–	–	–	5	3	11	4	...	...
Managers and administrators, n.e.c., salaried	36	–	–	5	–	8	–	11	8	–	4	...	...
Wholesale and retail trade	5	–	–	–	–	–	–	5	–	–	–	...	...
Managers and administrators, n.e.c., self-employed	15	–	–	–	5	–	–	4	–	6	–	...	...
Wholesale and retail trade	10	–	–	–	–	–	–	4	–	6	–	...	...
Sales workers	473	82	67	128	82	45	39	16	4	10	–	1 684	2 518
Demonstrators, hucksters, and peddlers	18	–	–	13	–	5	–	–	–	–	–	...	...
Insurance, real estate agents, and brokers	36	–	–	12	–	4	10	–	–	10	–	...	...
Sales clerks, retail trade	250	48	57	62	38	27	13	5	–	–	–	1 323	...
Salesmen, retail trade	20	5	–	10	5	–	–	–	–	–	–	...	–
Other sales workers	149	29	10	31	39	9	16	11	4	–	–	2 115	...
Clerical and kindred workers	3 854	288	331	440	594	710	603	429	268	168	23	3 386	4 483
Bank tellers	51	9	–	5	–	–	11	26	–	–	–	...	...
Bookkeepers	121	5	9	31	18	29	3	20	6	–	–	2 861	...
Cashiers	213	12	49	41	37	38	11	22	3	–	–	2 122	...
Counter clerks, except food	51	10	5	5	8	14	4	5	–	–	–	...	...
Enumerators and interviewers	15	5	6	–	4	–	–	–	–	–	–	...	–
File clerks	130	17	26	17	13	22	17	18	–	–	–	2 385	...
Office machine operators	389	15	33	53	32	52	106	53	35	6	4	4 090	4 691
Bookkeeping and billing machine operators	34	–	–	–	13	6	11	–	–	–	4	...	...
Keypunch operators	300	10	24	48	19	44	73	46	30	6	–	4 068	4 724
Payroll and timekeeping clerks	16	–	–	–	3	6	3	–	–	4	–	...	...
Receptionists	72	8	15	–	–	31	11	7	–	–	–	...	...
Secretaries	394	40	33	18	64	81	85	43	11	19	–	3 519	4 293
Stenographers	12	–	–	3	–	–	9	–	–	–	–	...	...
Telephone operators	204	11	31	26	31	39	37	19	4	6	–	3 077	...
Typists	406	35	19	32	84	84	92	23	18	19	–	3 393	4 300
Other clerical and kindred workers	1 780	121	105	209	300	314	214	193	191	114	19	3 494	4 641
Craftsmen and kindred workers	350	–	6	32	14	81	72	49	51	29	16	4 583	5 250
Foremen, n.e.c	47	–	–	–	–	–	20	13	5	9	–	...	...
Operatives, except transport	4 443	303	290	443	563	857	749	630	306	292	10	3 726	4 622
Assemblers	595	36	48	30	58	94	104	154	49	22	–	4 303	5 028
Bottling and canning operatives	8	–	–	–	–	–	–	8	–	–	–	...	...
Checkers, examiners, and inspectors; manufacturing	258	14	11	22	21	52	30	43	43	22	–	4 300	5 132
Dressmakers and seamstresses, except factory	46	–	5	10	–	12	10	–	4	5	–	...	...
Laundry and drycleaning operatives, including ironers	541	20	37	52	107	128	103	51	20	23	–	3 426	3 875
Graders and sorters, manufacturing	13	–	–	–	8	–	–	5	–	–	–	...	...
Packers and wrappers, except produce	401	40	35	44	70	49	58	54	14	37	–	3 235	4 750
Sewers and stitchers	256	15	26	31	42	49	70	12	–	5	6	3 286	4 132
Textile operatives	27	–	–	–	3	7	11	6	–	–	–	...	...
Other specified operatives	1 252	114	41	148	128	291	202	151	92	85	–	3 670	4 737
Miscellaneous and not specified operatives	1 046	64	87	106	126	175	161	146	84	93	4	3 800	4 871
Manufacturing	908	38	76	98	100	145	140	138	80	93	–	3 979	4 980
Durable goods	513	25	55	39	48	46	59	105	55	81	–	4 737	5 521
Machinery, including electrical	319	–	45	18	26	29	24	77	40	60	–	5 227	5 587
Other durable goods	194	25	10	21	22	17	35	28	15	21	–	4 057	...
Nondurable goods, including not specified manufacturing	395	13	21	59	52	99	81	33	25	12	–	3 530	4 194
Food and kindred products	37	–	–	9	4	13	11	–	–	–	–	...	...
Apparel and other fabricated textile products	13	–	–	–	–	–	–	–	8	5	–	...	...
Nonmanufacturing industries	138	26	11	8	26	30	21	8	4	–	4	2 923	...
Transport equipment operatives	86	–	–	5	12	12	4	5	25	18	5	...	...
Laborers, except farm	355	34	33	66	29	80	48	32	18	15	–	3 194	4 016
Farmers and farm managers	59	10	–	18	20	–	7	4	–	–	–	...	...
Farm laborers and farm foremen	42	4	10	13	4	–	–	–	–	11	–	...	...
Paid farm laborers and farm foremen	38	4	10	9	4	–	–	–	–	11	–	...	–
Unpaid family workers	4	–	–	4	–	–	–	–	–	–	–	...	...
Service workers, except private household[1]	5 664	564	360	779	770	1 229	734	548	514	153	23	3 292	3 841
Cleaning service workers	1 204	134	136	181	176	273	144	66	56	38	–	2 858	3 363
Chambermaids and maids	328	31	55	63	34	85	33	11	8	8	–	2 441	3 356
Food service workers	1 086	132	51	138	185	223	150	123	58	15	11	3 166	3 731
Cooks, except private household	425	31	16	42	63	99	100	40	28	6	–	3 611	3 913
Waiters and food counter workers	252	56	30	33	57	28	18	30	–	–	–	2 123	...
Health service workers	2 177	147	97	251	267	503	310	251	253	86	12	3 649	4 290
Nursing aides, orderlies, and attendants	1 800	128	81	212	255	436	244	179	197	56	12	3 514	4 096
Practical nurses	200	–	5	21	–	30	28	45	41	30	–	5 356	5 643
Personal service workers	363	39	13	82	41	73	45	29	36	5	–	3 089	3 765
Hairdressers and cosmetologists	102	13	3	12	14	6	9	14	26	5	–	4 333	...
Private household workers	1 027	124	239	354	142	113	20	23	7	5	–	1 425	1 813
Private household workers, living in	12	–	6	6	–	–	–	–	–	–	–	...	...
Private household workers, living out	1 015	124	233	348	142	113	20	23	7	5	–	1 432	1 833

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE—Continued

Persons of Spanish Language

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	4 179	448	461	543	647	620	591	372	185	211	101	2 985	4 169
Professional, technical, and kindred workers	538	46	23	20	86	41	90	58	21	100	53	4 589	5 160
Accountants	22	–	–	–	9	–	–	13	–	–	–	...	...
Computer specialists	22	–	–	–	5	–	–	–	–	8	9	...	...
Librarians	8	–	–	–	–	–	–	–	–	–	8	...	...
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	7	–	–	–	–	–	–	–	–	–	7	...	...
Registered nurses, dietitians, and therapists	103	6	–	–	24	12	6	–	6	43	6	6 583	...
Dietitians	6	6	–	–	–	–	–	–	–	–	–	...	–
Registered nurses	91	–	–	–	24	12	6	–	–	43	6	...	...
Health technologists and technicians	14	6	–	–	–	–	–	–	8	–	–	...	...
Social scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Social and recreation workers	21	–	–	–	7	–	14	–	–	–	–	...	...
Teachers: College and university	30	–	9	–	–	–	7	6	–	8	–	...	...
Elementary and prekindergarten	159	7	5	13	29	15	28	22	7	18	15	4 375	...
Secondary	23	–	–	–	12	–	5	–	–	6	–	...	–
Other teachers	27	13	–	7	–	–	7	–	–	–	–	...	...
Engineering and science technicians	32	8	9	–	–	–	15	–	–	–	–	...	...
Technicians, except health, and engineering and science	8	–	–	–	–	–	8	–	–	–	–	...	...
Writers, artists, and entertainers	14	–	–	–	–	7	–	–	–	7	–	...	...
Actors and dancers	–	–	–	–	–	–	–	–	–	–	–	–	–
Authors, editors, and reporters	–	–	–	–	–	–	–	–	–	–	–	–	–
Other professional, technical, and kindred workers	48	6	–	–	–	7	–	17	–	10	8	...	...
Managers and administrators, except farm	96	9	11	5	5	19	6	5	13	13	10	...	...
Buyers, purchasing agents, and sales managers	24	–	–	–	–	5	–	5	7	7	–	...	...
Restaurant, cafeteria, and bar managers	7	–	–	–	–	7	–	–	–	–	–	...	–
School administrators	6	–	–	–	–	–	6	–	–	–	–	...	...
Other specified managers and administrators	38	9	11	–	5	7	–	–	–	6	–	...	...
Managers and administrators, n.e.c., salaried	10	–	–	–	–	–	–	–	6	–	4	...	...
Wholesale and retail trade	6	–	–	–	–	–	–	–	6	–	–	...	...
Managers and administrators, n.e.c., self-employed	11	–	–	5	–	–	–	–	–	–	6	...	...
Wholesale and retail trade	11	–	–	5	–	–	–	–	–	–	6	...	...
Sales workers	182	26	29	57	19	35	5	11	–	–	–	1 632	...
Demonstrators, hucksters, and peddlers	15	–	7	8	–	–	–	–	–	–	–	...	–
Insurance, real estate agents, and brokers	11	–	–	–	–	–	–	11	–	–	–	...	...
Sales clerks, retail trade	113	26	12	34	19	17	5	–	–	–	–	1 544	...
Salesmen, retail trade	–	–	–	–	–	–	–	–	–	–	–	–	–
Other sales workers	43	–	10	15	–	18	–	–	–	–	–	...	...
Clerical and kindred workers	1 130	123	161	114	181	121	167	144	79	27	13	2 923	4 668
Bank tellers	24	–	–	7	7	6	4	–	–	–	–	...	...
Bookkeepers	92	5	–	11	14	6	18	26	6	–	6	...	...
Cashiers	53	12	5	–	23	13	–	–	–	–	–	...	...
Counter clerks, except food	15	–	–	7	8	–	–	–	–	–	–	...	...
Enumerators and interviewers	–	–	–	–	–	–	–	–	–	–	–	–	–
File clerks	43	–	25	–	6	–	3	9	–	–	–	...	...
Office machine operators	71	13	8	6	7	8	20	9	–	–	–	...	...
Bookkeeping and billing machine operators	20	7	–	6	7	–	–	–	–	–	–	...	...
Keypunch operators	44	6	8	–	–	8	13	9	–	–	–	...	...
Payroll and timekeeping clerks	–	–	–	–	–	–	–	–	–	–	–	–	–
Receptionists	53	8	–	15	8	–	7	15	–	–	–	...	...
Secretaries	229	25	38	23	19	32	19	28	43	2	–	3 297	...
Stenographers	6	–	–	–	–	–	6	–	–	–	–	...	–
Telephone operators	22	–	–	–	15	–	–	7	–	–	–	...	...
Typists	90	6	15	7	17	5	25	6	9	–	–	...	...
Other clerical and kindred workers	432	54	70	38	57	51	65	44	21	25	7	2 947	4 597
Craftsmen and kindred workers	76	–	–	–	12	21	24	–	5	14	–	...	...
Foremen, n.e.c.	–	–	–	–	–	–	–	–	–	–	–	–	–
Operatives, except transport	1 113	72	86	116	124	260	227	124	54	41	9	3 610	4 328
Assemblers	239	12	17	14	42	49	60	28	9	8	–	3 704	...
Bottling and canning operatives	–	–	–	–	–	–	–	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	59	–	–	8	–	11	18	7	15	–	–	...	...
Dressmakers and seamstresses, except factory	4	–	–	–	–	–	–	–	–	–	4	...	–
Laundry and drycleaning operatives, including ironers	46	6	–	17	4	8	6	5	–	–	–	...	...
Graders and sorters, manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except produce	102	7	6	23	12	41	7	–	6	–	–	3 073	...
Sewers and stitchers	132	7	17	7	16	17	44	13	11	–	–	4 045	...
Textile operatives	20	7	–	–	–	–	7	–	–	6	–	...	...
Other specified operatives	176	21	20	36	13	37	16	15	13	–	5	2 846	...
Miscellaneous and not specified operatives	335	12	26	11	37	97	69	56	–	27	–	3 840	4 326
Manufacturing	310	6	26	11	37	94	64	45	–	27	–	3 798	4 237
Durable goods	211	6	8	11	24	67	49	27	–	19	–	3 843	3 941
Machinery, including electrical	80	6	–	4	–	32	14	14	–	10	–	...	...
Other durable goods	131	–	8	7	24	35	35	13	–	9	–	3 757	...
Nondurable goods, including not specified manufacturing	99	–	18	–	13	27	15	18	–	8	–	...	...
Food and kindred products	13	–	–	–	8	5	–	–	–	–	–	...	–
Apparel and other fabricated textile products	9	–	–	–	–	–	9	–	–	–	–	...	...
Nonmanufacturing industries	25	6	–	–	–	3	5	11	–	–	–	...	...
Transport equipment operatives	6	–	–	–	6	–	–	–	–	–	–	...	–
Laborers, except farm	90	6	8	19	6	19	8	14	3	7	–	...	...
Farmers and farm managers	–	–	–	–	–	–	–	–	–	–	–	–	–
Farm laborers and farm foremen	46	–	24	7	15	–	–	–	–	–	–	...	...
Paid farm laborers and farm foremen	46	–	24	7	15	–	–	–	–	–	–	...	...
Unpaid family workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, except private household[1]	829	136	119	185	170	104	64	16	10	9	16	1 862	2 866
Cleaning service workers	182	34	28	35	49	27	9	–	–	–	–	1 829	2 608
Chambermaids and maids	55	14	16	20	–	5	–	–	–	–	–	...	...
Food service workers	179	29	43	52	38	10	7	–	–	–	–	1 337	...
Cooks, except private household	49	15	11	17	6	–	–	–	–	–	–	...	...
Waiters and food counter workers	97	14	20	29	22	5	7	–	–	–	–	...	...
Health service workers	285	30	22	37	65	52	42	11	10	–	16	2 823	3 435
Nursing aides, orderlies, and attendants	232	13	22	32	44	42	42	11	10	–	16	3 119	3 597
Practical nurses	29	17	–	5	7	–	–	–	–	–	–	...	...
Personal service workers	105	25	21	24	13	7	6	–	–	9	–	1 271	...
Hairdressers and cosmetologists	57	–	21	7	7	7	6	–	–	9	–	...	...
Private household workers	73	30	–	20	23	–	–	–	–	–	–	...	...
Private household workers, living in	17	–	–	–	17	–	–	–	–	–	–	...	...
Private household workers, living out	56	30	–	20	6	–	–	–	–	–	–	...	...

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
APPLETON–OSHKOSH SMSA													
Total													
Experienced civilian labor force	**36 976**	**3 407**	**3 040**	**6 549**	**4 965**	**5 491**	**4 439**	**3 550**	**2 066**	**2 712**	**757**	**3 096**	**4 210**
Professional, technical, and kindred workers	**5 607**	**294**	**282**	**741**	**525**	**433**	**355**	**462**	**487**	**1 599**	**429**	**5 376**	**6 168**
Accountants	263	4	18	30	20	34	10	85	28	29	5	5 182	5 587
Computer specialists	20	–	–	–	5	3	6	6	–	–	–	...	...
Librarians	136	5	6	39	–	13	5	10	5	41	12	5 000	...
Mathematical specialists	20	–	–	–	–	–	–	10	5	–	5	...	...
Life and physical scientists	15	–	–	–	–	–	–	6	4	5	–	...	...
Registered nurses, dietitians, and therapists	1 032	27	21	131	89	101	96	104	98	325	40	5 490	6 574
Dietitians	56	6	4	8	12	4	–	–	–	16	6	...	...
Registered nurses	902	8	11	123	72	97	96	101	86	283	25	5 436	6 396
Health technologists and technicians	239	17	26	30	28	18	5	43	8	55	9	4 100	5 641
Social scientists	13	–	–	–	5	–	–	–	–	8	–	...	...
Social and recreation workers	96	5	–	–	14	7	5	14	5	42	4	...	...
Teachers: College and university	274	4	8	43	19	20	20	8	–	84	68	7 536	...
Elementary and prekindergarten	1 682	51	73	180	188	115	85	80	161	642	107	6 429	6 643
Secondary	700	7	20	98	72	53	28	17	95	220	90	6 579	...
Other teachers	161	39	14	31	14	–	19	5	–	20	19	1 887	...
Engineering and science technicians	165	–	13	21	18	11	18	23	19	36	6	5 065	6 026
Technicians, except health, and engineering and science	29	–	–	4	10	–	5	–	10	–	–	...	...
Writers, artists, and entertainers	301	62	32	58	17	33	30	14	18	19	18	1 974	4 808
Actors and dancers	5	–	–	–	–	–	–	–	–	–	5	...	–
Authors, editors, and reporters	83	9	–	20	–	15	–	10	10	14	5	...	...
Other professional, technical, and kindred workers	461	73	51	76	26	25	23	37	31	73	46	3 180	5 865
Managers and administrators, except farm	**879**	**43**	**28**	**99**	**96**	**123**	**129**	**99**	**70**	**105**	**87**	**4 391**	**5 213**
Buyers, purchasing agents, and sales managers	109	–	–	8	4	31	24	12	9	17	4	4 479	...
Restaurant, cafeteria, and bar managers	80	5	5	9	14	13	23	6	–	–	5	...	...
School administrators	69	7	–	24	24	–	–	–	–	–	14	...	...
Other specified managers and administrators	180	6	17	24	18	12	39	19	11	23	11	4 333	4 962
Managers and administrators, n.e.c., salaried	315	4	–	9	26	51	29	57	45	56	38	5 675	5 990
Wholesale and retail trade	97	4	–	–	8	10	14	22	11	28	–	...	...
Managers and administrators, n.e.c., self-employed	126	21	6	25	10	16	14	5	5	9	15	3 063	...
Wholesale and retail trade	65	12	–	15	5	5	4	5	–	9	10	...	...
Sales workers	**2 845**	**334**	**350**	**803**	**611**	**462**	**156**	**49**	**17**	**33**	**30**	**1 920**	**2 815**
Demonstrators, hucksters, and peddlers	120	45	18	43	5	–	4	5	–	–	–	917	...
Insurance, real estate agents, and brokers	88	4	5	11	8	18	15	8	8	–	11	...	...
Sales clerks, retail trade	2 211	258	258	608	518	389	128	20	4	23	5	1 970	2 775
Salesmen, retail trade	74	–	–	39	17	14	–	–	–	–	4	...	...
Other sales workers	352	27	69	102	63	41	9	16	5	10	10	1 784	3 000
Clerical and kindred workers	**11 947**	**923**	**911**	**1 912**	**1 433**	**1 832**	**2 101**	**1 459**	**686**	**598**	**92**	**3 434**	**4 431**
Bank tellers	229	9	29	28	31	52	58	22	–	–	–	3 337	4 157
Bookkeepers	1 266	69	80	181	169	202	231	166	85	72	11	3 663	4 397
Cashiers	944	165	146	240	159	122	56	30	16	10	–	1 671	2 991
Counter clerks, except food	231	19	18	42	30	34	23	25	7	33	–	3 191	4 111
Enumerators and interviewers	28	19	–	5	–	–	–	–	4	–	–	...	...
File clerks	151	33	15	9	35	12	41	6	–	–	–	2 529	...
Office machine operators	529	9	29	83	83	121	102	77	25	–	–	3 500	4 195
Bookkeeping and billing machine operators	103	9	–	20	–	31	19	19	5	–	–	3 726	...
Keypunch operators	288	–	12	33	69	69	54	41	10	–	–	3 435	4 156
Payroll and timekeeping clerks	115	6	–	16	12	16	20	14	21	10	–	4 375	...
Receptionists	532	35	43	157	58	83	114	22	15	5	–	2 534	4 024
Secretaries	2 942	105	114	338	309	418	657	461	257	247	36	4 285	4 821
Stenographers	201	5	–	24	28	12	73	36	13	10	–	4 432	4 804
Telephone operators	328	18	22	45	42	59	63	46	8	18	7	3 627	4 288
Typists	833	54	70	202	86	159	138	96	23	5	–	3 028	4 145
Other clerical and kindred workers	3 618	377	345	542	391	542	525	458	212	188	38	3 284	4 423
Craftsmen and kindred workers	**690**	**18**	**14**	**105**	**31**	**100**	**107**	**100**	**105**	**79**	**31**	**4 720**	**5 453**
Foremen, n.e.c.	190	–	5	18	7	31	51	22	25	25	6	4 667	5 545
Operatives, except transport	**5 635**	**313**	**292**	**685**	**796**	**1 166**	**929**	**821**	**416**	**186**	**31**	**3 627**	**4 575**
Assemblers	743	16	20	94	107	138	98	147	63	55	5	3 975	5 215
Bottling and canning operatives	21	–	–	5	13	–	3	–	–	–	–	...	–
Checkers, examiners, and inspectors, manufacturing	339	9	9	27	31	83	74	44	47	15	–	4 142	5 028
Dressmakers and seamstresses, except factory	145	25	24	17	25	54	–	–	–	–	–	2 260	...
Laundry and drycleaning operatives, including ironers	268	21	23	21	89	66	43	5	–	–	–	2 775	3 167
Graders and sorters, manufacturing	114	–	6	5	–	8	20	52	18	5	–	5 346	...
Packers and wrappers, except produce	775	35	56	102	98	176	138	95	35	34	6	3 548	4 402
Sewers and stitchers	576	35	10	74	108	131	150	39	20	9	–	3 466	4 168
Textile operatives	413	20	16	30	41	126	84	71	19	6	–	3 790	4 203
Other specified operatives	820	65	39	131	105	158	145	106	48	18	5	3 443	4 488
Miscellaneous and not specified operatives	1 421	87	89	179	179	226	174	262	166	44	15	3 781	5 207
Manufacturing	1 249	65	84	156	159	204	132	235	155	44	15	3 787	5 295
Durable goods	524	16	10	55	92	136	74	93	31	17	–	3 654	4 776
Machinery, including electrical	77	–	–	9	11	21	21	10	5	–	–	...	...
Other durable goods	447	16	10	46	81	115	53	83	26	17	–	3 613	4 929
Nondurable goods, including not specified manufacturing	725	49	74	101	67	68	58	142	124	27	15	4 060	5 632
Food and kindred products	63	11	14	15	–	14	–	–	9	–	–	...	...
Apparel and other fabricated textile products	48	17	13	12	–	–	–	6	–	–	–	...	...
Nonmanufacturing industries	172	22	5	23	20	22	42	27	11	–	–	3 727	...
Transport equipment operatives	**171**	**16**	**23**	**43**	**35**	**10**	**13**	**10**	**–**	**11**	**10**	**2 100**	**...**
Laborers, except farm	**429**	**59**	**5**	**119**	**54**	**90**	**27**	**60**	**15**	**–**	**–**	**2 583**	**3 946**
Farmers and farm managers	**170**	**19**	**5**	**69**	**15**	**4**	**20**	**21**	**6**	**–**	**11**	**1 884**	**1 921**
Farm laborers and farm foremen	**202**	**55**	**51**	**39**	**14**	**28**	**–**	**6**	**–**	**4**	**5**	**951**	**1 800**
Paid farm laborers and farm foremen	144	36	30	39	14	16	–	–	–	4	5	1 154	...
Unpaid family workers	58	19	21	–	–	12	–	6	–	–	–	...	...
Service workers, except private household[1]	**7 521**	**935**	**830**	**1 786**	**1 302**	**1 223**	**598**	**459**	**264**	**93**	**31**	**2 161**	**3 348**
Cleaning service workers	926	101	77	232	159	211	56	52	34	4	–	2 333	3 079
Chambermaids and maids	206	31	9	33	57	47	9	5	11	4	–	2 526	2 896
Food service workers	3 427	571	491	926	674	418	171	102	40	16	18	1 704	2 683
Cooks, except private household	849	66	76	226	206	124	84	36	21	6	4	2 274	3 046
Waiters and food counter workers	1 755	356	284	535	314	186	43	27	–	5	5	1 444	2 242
Health service workers	1 997	119	147	294	307	459	261	225	145	40	–	3 286	4 067
Nursing aides, orderlies, and attendants	1 283	87	95	208	226	306	167	101	68	25	–	3 083	3 801
Practical nurses	382	13	10	51	51	63	39	79	72	4	–	4 077	5 411
Personal service workers	713	70	100	155	88	89	76	44	45	33	13	2 358	3 858
Hairdressers and cosmetologists	454	16	45	81	70	68	68	33	40	27	6	3 221	4 269
Private household workers	**880**	**398**	**249**	**148**	**53**	**20**	**4**	**4**	**–**	**4**	**–**	**584**	**878**
Private household workers, living in	79	20	26	20	9	–	4	–	–	–	–	...	...
Private household workers, living out	801	378	223	128	44	20	–	4	–	4	–	550	873

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
DULUTH–SUPERIOR, MINN.–WIS., SMSA													
Total													
Experienced civilian labor force	**32 491**	**3 399**	**3 526**	**5 419**	**4 288**	**4 946**	**3 606**	**2 532**	**1 530**	**2 300**	**945**	**2 910**	**3 995**
Professional, technical, and kindred workers	**5 620**	**343**	**261**	**633**	**460**	**449**	**470**	**452**	**486**	**1 456**	**610**	**5 429**	**6 274**
Accountants	168	–	4	27	–	5	30	48	11	37	6	5 375	5 726
Computer specialists	16	–	6	–	–	–	–	3	–	4	3	...	...
Librarians	111	–	13	20	9	9	15	5	–	27	13	4 300	...
Mathematical specialists	6	–	–	–	–	–	–	–	–	6	–	...	...
Life and physical scientists	32	7	–	6	5	–	5	4	–	5	–	...	...
Registered nurses, dietitians, and therapists	1 333	15	41	174	107	197	175	143	136	311	34	4 757	6 227
Dietitians	23	–	–	–	–	–	9	5	–	4	5	...	...
Registered nurses	1 236	15	37	152	98	188	158	138	129	292	29	4 810	6 296
Health technologists and technicians	371	12	24	36	60	45	23	86	35	35	15	4 370	5 275
Social scientists	12	–	–	–	–	–	–	–	–	5	7	...	...
Social and recreation workers	235	13	–	21	10	14	24	21	27	96	9	6 537	7 531
Teachers: College and university	241	20	14	14	31	–	21	5	10	65	61	7 254	7 477
Elementary and prekindergarten	1 483	73	52	116	111	71	35	39	167	556	263	7 418	8 028
Secondary	635	35	22	80	63	35	14	32	47	199	108	6 777	8 342
Other teachers	228	63	25	59	9	30	20	9	5	4	4	1 441	...
Engineering and science technicians	70	6	4	8	16	6	20	4	6	–	–	...	...
Technicians, except health, and engineering and science	20	–	4	–	–	5	–	6	5	–	–	...	...
Writers, artists, and entertainers	198	45	29	31	24	19	28	10	5	7	–	1 806	3 684
Actors and dancers	–	–	–	–	–	–	–	–	–	–	–	–	–
Authors, editors, and reporters	53	9	9	6	6	14	9	–	–	–	–	...	...
Other professional, technical, and kindred workers	461	54	23	41	15	13	60	37	32	99	87	5 662	6 391
Managers and administrators, except farm	**1 188**	**58**	**23**	**117**	**103**	**144**	**153**	**122**	**117**	**171**	**180**	**4 974**	**5 348**
Buyers, purchasing agents, and sales managers	152	–	–	5	10	35	23	33	19	18	9	5 091	4 826
Restaurant, cafeteria, and bar managers	144	15	–	9	34	23	24	–	26	9	4	3 609	...
School administrators	60	–	–	22	–	–	6	6	–	–	26	...	...
Other specified managers and administrators	242	16	–	22	5	13	13	23	38	51	61	6 763	7 620
Managers and administrators, n.e.c., salaried	416	12	5	34	44	51	51	60	29	71	59	5 183	5 563
Wholesale and retail trade	207	12	–	19	15	38	30	30	7	18	38	4 650	4 920
Managers and administrators, n.e.c., self-employed	174	15	18	25	10	22	36	–	5	22	21	3 864	4 125
Wholesale and retail trade	131	15	11	21	10	22	31	–	5	5	11	3 386	3 542
Sales workers	**2 484**	**342**	**327**	**582**	**478**	**449**	**139**	**65**	**40**	**41**	**21**	**1 985**	**2 976**
Demonstrators, hucksters, and peddlers	167	39	63	22	20	4	9	6	–	4	–	853	...
Insurance, real estate agents, and brokers	75	–	4	11	5	17	14	9	5	10	–	...	...
Sales clerks, retail trade	1 936	244	227	480	399	390	97	43	29	11	16	2 043	2 941
Salesmen, retail trade	34	12	–	9	4	5	4	–	–	–	–	...	...
Other sales workers	272	47	33	60	50	33	15	7	6	16	5	1 933	2 778
Clerical and kindred workers	**10 037**	**785**	**1 033**	**1 412**	**1 069**	**1 771**	**1 621**	**1 260**	**625**	**397**	**64**	**3 406**	**4 355**
Bank tellers	293	–	10	37	6	87	97	31	18	7	–	4 067	4 318
Bookkeepers	1 456	106	118	133	143	307	258	203	98	85	5	3 743	4 371
Cashiers	842	63	96	259	147	141	37	61	18	15	5	2 020	3 181
Counter clerks, except food	200	26	12	49	22	46	21	9	9	6	–	2 591	3 413
Enumerators and interviewers	55	29	5	5	5	–	–	–	–	5	6	...	...
File clerks	128	21	22	26	10	39	6	4	–	–	–	1 808	...
Office machine operators	245	–	7	20	28	41	85	40	24	–	–	4 312	4 688
Bookkeeping and billing machine operators	59	–	–	3	9	13	30	4	–	–	–	...	...
Keypunch operators	132	–	7	13	19	14	29	32	18	–	–	4 448	...
Payroll and timekeeping clerks	88	–	–	10	6	14	26	5	27	–	–	...	...
Receptionists	362	24	50	75	37	70	59	35	12	–	–	2 865	3 769
Secretaries	2 399	149	223	276	200	359	479	383	210	100	20	3 979	4 806
Stenographers	274	23	23	9	13	39	64	74	23	6	–	4 469	5 088
Telephone operators	367	11	48	60	55	33	33	84	29	–	14	3 288	5 169
Typists	750	65	83	120	56	143	127	108	17	31	–	3 357	4 183
Other clerical and kindred workers	2 578	268	336	333	341	452	329	223	140	142	14	3 024	4 077
Craftsmen and kindred workers	**505**	**5**	**45**	**89**	**48**	**97**	**57**	**30**	**50**	**73**	**11**	**3 675**	**4 596**
Foremen, n.e.c	131	–	–	10	12	37	37	4	15	11	5	4 176	4 473
Operatives, except transport	**2 983**	**192**	**213**	**439**	**654**	**725**	**442**	**201**	**60**	**42**	**15**	**2 990**	**3 693**
Assemblers	305	23	19	58	46	46	69	31	13	–	–	3 141	4 480
Bottling and canning operatives	14	–	10	–	–	–	–	4	–	–	–	...	...
Checkers, examiners, and inspectors; manufacturing	83	9	–	14	10	5	21	5	9	5	5	...	...
Dressmakers and seamstresses, except factory	146	18	14	23	45	28	3	15	–	–	–	2 400	...
Laundry and drycleaning operatives, including ironers	394	11	29	45	95	162	48	4	–	–	–	3 105	3 342
Graders and sorters, manufacturing	5	–	–	–	–	5	–	–	–	–	–	...	...
Packers and wrappers, except produce	319	9	37	62	65	63	32	38	13	–	–	2 792	3 607
Sewers and stitchers	770	28	45	91	202	216	128	41	4	10	5	3 088	3 680
Textile operatives	54	5	–	11	23	4	11	–	–	–	–	...	...
Other specified operatives	378	39	31	39	87	63	63	31	7	13	5	2 920	3 971
Miscellaneous and not specified operatives	515	50	28	96	81	133	67	32	14	14	–	3 019	3 770
Manufacturing	399	34	28	78	65	88	63	32	3	8	–	2 915	3 894
Durable goods	75	–	–	13	13	20	21	5	–	3	–	...	...
Machinery, including electrical	19	–	–	4	9	–	6	–	–	–	–	...	...
Other durable goods	56	–	–	9	4	20	15	5	–	3	–	...	...
Nondurable goods, including not specified manufacturing	324	34	28	65	52	68	42	27	3	5	–	2 673	3 957
Food and kindred products	171	24	23	34	30	25	15	17	3	–	–	2 150	...
Apparel and other fabricated textile products	124	10	5	31	22	32	14	5	–	5	–	2 727	...
Nonmanufacturing industries	116	16	–	18	16	45	4	–	11	6	–	3 178	...
Transport equipment operatives	**88**	**–**	**10**	**29**	**21**	**6**	**6**	**–**	**5**	**11**	**–**	...	...
Laborers, except farm	**337**	**16**	**55**	**72**	**39**	**78**	**15**	**32**	**15**	**15**	**–**	**2 654**	**3 565**
Farmers and farm managers	**31**	**15**	**–**	**–**	**11**	**–**	**–**	**5**	**–**	**–**	**–**	...	...
Farm laborers and farm foremen	**46**	**10**	**5**	**5**	**5**	**–**	**–**	**6**	**4**	**11**	**–**	...	...
Paid farm laborers and farm foremen	31	5	5	–	5	–	–	6	4	6	–	...	...
Unpaid family workers	15	5	–	5	–	–	–	–	–	5	–	...	...
Service workers, except private household[1]	**8 180**	**1 176**	**1 331**	**1 839**	**1 339**	**1 191**	**703**	**359**	**128**	**79**	**35**	**1 861**	**3 147**
Cleaning service workers	984	183	131	259	166	156	57	18	8	6	–	1 687	2 525
Chambermaids and maids	309	53	49	100	52	35	4	8	8	–	–	1 525	2 083
Food service workers	3 498	620	625	885	660	394	214	45	20	10	25	1 569	2 599
Cooks, except private household	912	98	110	203	176	155	118	19	16	2	15	2 256	3 242
Waiters and food counter workers	1 750	383	349	457	327	174	56	–	–	–	4	1 313	2 300
Health service workers	2 215	160	306	403	343	458	323	170	30	22	–	2 695	3 805
Nursing aides, orderlies, and attendants	1 251	99	154	252	221	289	204	23	9	–	–	2 545	3 521
Practical nurses	525	25	21	91	92	64	88	122	11	11	–	3 523	4 949
Personal service workers	1 001	142	174	208	104	118	93	97	46	14	5	1 887	3 620
Hairdressers and cosmetologists	436	33	66	84	49	68	27	61	32	11	5	2 714	4 068
Private household workers	**992**	**457**	**223**	**202**	**61**	**36**	**–**	**–**	**–**	**4**	**9**	**587**	**1 070**
Private household workers, living in	71	24	–	15	14	10	–	–	–	4	4	...	...
Private household workers, living out	921	433	223	187	47	26	–	–	–	–	5	562	945

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
MADISON SMSA													
Total													
Experienced civilian labor force	**50 431**	**4 145**	**4 615**	**7 661**	**5 810**	**5 488**	**6 304**	**5 685**	**3 622**	**5 233**	**1 868**	**3 544**	**4 994**
Professional, technical, and kindred workers	**11 093**	**540**	**610**	**1 134**	**973**	**1 062**	**932**	**856**	**1 076**	**2 814**	**1 096**	**5 345**	**6 763**
Accountants	480	13	–	25	28	33	67	101	39	126	48	5 733	6 359
Computer specialists	145	5	–	6	17	10	5	20	22	39	21	6 432	...
Librarians	227	6	12	23	15	–	10	10	24	86	41	7 471	8 404
Mathematical specialists	9	–	–	–	–	–	–	–	9	–	–	...	...
Life and physical scientists	156	–	15	25	5	12	14	–	26	29	30	6 269	6 904
Registered nurses, dietitians, and therapists	2 278	52	65	196	215	289	260	198	174	693	136	5 313	7 202
Dietitians	201	–	5	31	37	37	28	10	8	40	5	3 743	3 935
Registered nurses	1 897	47	60	134	166	241	217	168	153	613	98	5 497	7 326
Health technologists and technicians	713	46	39	91	31	38	75	110	86	174	23	5 332	6 093
Social scientists	74	–	16	5	4	15	–	15	–	14	5	...	...
Social and recreation workers	369	5	20	25	26	29	26	10	27	147	54	7 337	8 422
Teachers: College and university	1 261	39	96	165	157	144	86	89	68	172	245	4 343	7 293
Elementary and prekindergarten	1 973	104	63	169	161	121	117	44	308	675	211	6 674	7 576
Secondary	784	21	26	73	65	34	50	46	110	287	72	6 700	7 389
Other teachers	304	65	43	43	31	30	5	9	4	43	31	2 032	...
Engineering and science technicians	277	5	25	44	28	27	57	58	20	9	4	4 167	5 138
Technicians, except health, and engineering and science	54	–	5	–	–	5	27	12	5	–	–	...	...
Writers, artists, and entertainers	541	94	66	88	62	44	35	37	30	63	22	2 363	5 778
Actors and dancers	14	–	–	5	–	4	–	5	–	–	–	...	–
Authors, editors, and reporters	245	43	25	30	27	26	9	4	19	45	17	2 907	7 067
Other professional, technical, and kindred workers	1 448	85	119	156	128	231	98	97	124	257	153	4 051	6 130
Managers and administrators, except farm	**1 495**	**77**	**44**	**124**	**120**	**108**	**112**	**142**	**139**	**343**	**286**	**6 147**	**7 308**
Buyers, purchasing agents, and sales managers	158	–	10	16	25	25	15	–	9	42	16	4 200	...
Restaurant, cafeteria, and bar managers	88	8	9	5	12	25	5	5	–	4	15	...	...
School administrators	124	–	–	15	21	–	9	6	13	18	42	6 846	...
Other specified managers and administrators	394	16	10	47	14	16	29	37	40	97	88	6 700	7 881
Managers and administrators, n.e.c., salaried	594	24	10	31	34	27	30	94	72	166	106	6 653	7 372
Wholesale and retail trade	151	9	5	11	4	16	9	19	20	38	20	6 125	6 875
Managers and administrators, n.e.c., self-employed	137	29	5	10	14	15	24	–	5	16	19	3 700	4 325
Wholesale and retail trade	66	18	5	5	4	10	5	–	5	5	9	...	...
Sales workers	**3 450**	**483**	**560**	**815**	**524**	**431**	**290**	**148**	**55**	**68**	**76**	**1 837**	**3 416**
Demonstrators, hucksters, and peddlers	174	42	51	41	14	10	11	–	–	–	5	941	...
Insurance, real estate agents, and brokers	161	–	6	33	9	19	22	20	13	12	27	4 614	...
Sales clerks, retail trade	2 505	314	393	601	439	348	226	99	31	28	26	1 908	3 336
Salesmen, retail trade	51	5	14	9	5	5	4	–	–	4	5	...	...
Other sales workers	559	122	96	131	57	49	27	29	11	24	13	1 469	3 793
Clerical and kindred workers	**19 726**	**1 038**	**1 465**	**2 685**	**2 333**	**2 228**	**3 405**	**3 250**	**1 715**	**1 398**	**209**	**4 033**	**5 072**
Bank tellers	310	5	6	15	51	73	67	54	25	10	4	4 075	4 441
Bookkeepers	1 882	76	59	277	171	203	350	306	266	147	27	4 443	4 959
Cashiers	1 205	101	212	327	181	105	107	91	36	40	5	1 885	3 855
Counter clerks, except food	268	10	31	77	32	47	25	25	16	5	–	2 500	3 964
Enumerators and interviewers	21	–	–	11	–	–	–	4	6	–	–	...	...
File clerks	605	69	57	85	105	126	93	33	17	20	–	2 871	4 273
Office machine operators	1 174	100	59	117	178	125	253	238	69	31	4	4 032	5 012
Bookkeeping and billing machine operators	179	11	6	26	21	34	35	31	10	5	–	3 750	4 614
Keypunch operators	776	76	39	76	128	81	181	142	32	21	–	3 852	4 889
Payroll and timekeeping clerks	79	–	–	–	4	23	10	14	9	19	–	...	...
Receptionists	666	18	59	105	99	83	140	110	27	15	10	3 627	4 636
Secretaries	4 963	178	265	504	500	453	892	1 027	562	541	41	4 652	5 384
Stenographers	451	5	17	35	66	22	65	94	78	54	15	5 165	6 013
Telephone operators	517	25	68	86	58	85	76	55	55	5	4	3 253	4 767
Typists	2 210	89	189	288	275	291	462	410	151	51	4	3 907	4 916
Other clerical and kindred workers	5 375	362	443	758	613	592	865	789	398	460	95	3 864	5 102
Craftsmen and kindred workers	**555**	**40**	**17**	**64**	**61**	**69**	**88**	**63**	**44**	**72**	**37**	**4 301**	**5 286**
Foremen, n.e.c.	140	5	–	5	5	10	22	29	27	31	6	5 793	6 241
Operatives, except transport	**2 685**	**184**	**165**	**301**	**267**	**397**	**531**	**361**	**152**	**254**	**73**	**4 054**	**4 799**
Assemblers	347	14	34	18	35	25	84	80	30	27	–	4 565	5 008
Bottling and canning operatives	51	–	–	4	–	16	5	5	6	11	4	...	...
Checkers, examiners, and inspectors; manufacturing	123	–	14	–	7	13	37	–	27	25	–	4 743	...
Dressmakers and seamstresses, except factory	142	19	12	23	20	25	19	15	4	5	–	2 850	...
Laundry and drycleaning operatives, including ironers	379	44	19	64	42	90	76	39	5	–	–	3 228	4 041
Graders and sorters, manufacturing	10	–	–	5	–	–	5	–	–	–	–	...	...
Packers and wrappers, except produce	489	17	34	39	39	61	70	41	28	128	32	4 779	6 357
Sewers and stitchers	92	11	4	11	14	22	14	16	–	–	–	...	...
Textile operatives	10	–	–	–	–	6	4	–	–	–	–	...	...
Other specified operatives	347	29	10	43	47	43	63	31	25	29	27	4 024	4 821
Miscellaneous and not specified operatives	695	50	38	94	63	96	154	134	27	29	10	4 042	4 798
Manufacturing	441	29	23	29	33	47	133	102	15	24	6	4 447	4 816
Durable goods	241	–	5	13	22	26	76	82	11	–	6	4 717	5 148
Machinery, including electrical	62	–	–	9	–	6	36	11	–	–	–	...	...
Other durable goods	179	–	5	4	22	20	40	71	11	–	6	4 963	5 345
Nondurable goods, including not specified manufacturing	200	29	18	16	11	21	57	20	4	24	–	4 088	...
Food and kindred products	87	16	8	–	6	5	15	13	–	24	–	...	...
Apparel and other fabricated textile products	5	–	5	–	–	–	–	–	–	–	–	...	–
Nonmanufacturing industries	254	21	15	65	30	49	21	32	12	5	4	2 867	4 714
Transport equipment operatives	**140**	**10**	**21**	**34**	**19**	**17**	**12**	**17**	**–**	**10**	**–**	**2 263**	...
Laborers, except farm	**309**	**37**	**43**	**69**	**42**	**40**	**30**	**28**	**5**	**10**	**5**	**2 131**	**3 769**
Farmers and farm managers	**134**	**41**	**10**	**21**	**4**	**33**	**6**	**–**	**–**	**4**	**15**	**1 762**	**1 700**
Farm laborers and farm foremen	**138**	**38**	**15**	**19**	**5**	**29**	**6**	**9**	**5**	**12**	**–**	**1 842**	...
Paid farm laborers and farm foremen	92	23	10	14	5	29	6	5	–	–	–	...	...
Unpaid family workers	46	15	5	5	–	–	–	4	5	12	–	...	...
Service workers, except private household[1]	**9 545**	**1 264**	**1 400**	**2 092**	**1 335**	**1 042**	**873**	**794**	**431**	**243**	**71**	**2 012**	**3 896**
Cleaning service workers	1 221	160	126	210	243	180	202	46	40	10	4	2 471	3 535
Chambermaids and maids	421	59	67	83	89	49	59	5	10	–	–	2 017	2 980
Food service workers	3 966	647	810	1 118	540	317	228	197	53	47	9	1 470	2 958
Cooks, except private household	820	71	78	224	129	76	104	91	28	19	–	2 287	3 976
Waiters and food counter workers	2 261	390	506	673	345	170	78	58	22	19	–	1 348	2 504
Health service workers	2 616	189	276	384	304	370	318	420	258	85	12	3 419	4 858
Nursing aides, orderlies, and attendants	1 805	132	198	296	203	264	208	269	179	49	7	3 278	4 854
Practical nurses	333	18	5	25	50	29	8	102	70	26	–	5 309	5 736
Personal service workers	1 004	151	92	197	133	143	68	79	55	66	20	2 466	3 986
Hairdressers and cosmetologists	435	5	40	76	68	83	48	48	17	40	10	3 343	3 889
Private household workers	**1 161**	**393**	**265**	**303**	**127**	**32**	**19**	**17**	**–**	**5**	**–**	**854**	**1 461**
Private household workers, living in	81	–	23	19	23	6	10	–	–	–	–	...	...
Private household workers, living out	1 080	393	242	284	104	26	9	17	–	5	–	804	1 374

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
MILWAUKEE SMSA													
Total													
Experienced civilian labor force	**219 918**	**16 231**	**16 849**	**30 983**	**26 195**	**28 030**	**28 819**	**25 159**	**18 284**	**21 867**	**7 501**	**3 703**	**4 871**
Professional, technical, and kindred workers	**32 613**	**1 452**	**1 399**	**2 757**	**3 242**	**2 971**	**2 871**	**2 603**	**2 728**	**8 087**	**4 503**	**5 620**	**6 665**
Accountants	1 524	54	53	103	84	106	200	274	208	279	163	5 591	6 277
Computer specialists	290	–	–	6	24	17	42	12	42	105	42	7 057	7 579
Librarians	586	37	43	99	42	43	25	30	54	132	81	5 133	7 469
Mathematical specialists	66	5	–	–	5	4	18	10	12	12	–	...	...
Life and physical scientists	151	–	–	11	17	–	13	11	43	47	9	6 547	6 791
Registered nurses, dietitians, and therapists	6 849	163	201	521	626	875	802	672	596	1 877	516	5 352	6 912
Dietitians	373	20	6	56	46	62	48	16	38	40	41	3 944	4 684
Registered nurses	5 766	118	144	393	518	741	700	605	483	1 676	388	5 445	7 021
Health technologists and technicians	2 045	84	158	200	180	250	236	307	196	357	77	4 638	5 583
Social scientists	113	–	–	27	13	5	9	4	10	20	25	5 625	...
Social and recreation workers	1 217	48	105	86	83	105	50	60	110	376	194	6 650	8 469
Teachers: College and university	1 132	30	63	149	117	69	54	55	107	214	274	6 271	9 085
Elementary and prekindergarten	8 875	390	269	660	1 101	647	568	488	540	2 537	1 675	6 582	7 405
Secondary	3 305	125	95	252	389	246	143	105	193	1 078	679	7 291	7 379
Other teachers	934	158	137	141	98	77	78	42	44	91	68	2 316	5 738
Engineering and science technicians	715	9	49	32	49	91	110	136	120	96	23	5 129	5 955
Technicians, except health, and engineering and science	105	6	5	11	–	19	21	18	14	11	–	4 548	...
Writers, artists, and entertainers	1 595	174	118	219	187	154	166	161	121	163	132	3 646	5 588
Actors and dancers	59	5	11	13	5	6	5	–	5	5	4	...	...
Authors, editors, and reporters	342	27	18	35	36	30	42	24	36	50	44	4 595	6 387
Other professional, technical, and kindred workers	3 111	169	103	240	227	263	336	218	318	692	545	5 998	6 677
Managers and administrators, except farm	**5 778**	**209**	**164**	**382**	**519**	**431**	**611**	**721**	**663**	**1 184**	**894**	**5 795**	**6 273**
Buyers, purchasing agents, and sales managers	933	26	13	52	43	110	131	186	151	136	85	5 492	5 683
Restaurant, cafeteria, and bar managers	593	38	44	42	77	60	55	73	71	62	71	4 645	5 379
School administrators	312	15	15	32	74	17	27	–	21	25	86	4 111	6 310
Other specified managers and administrators	1 326	56	23	95	129	96	70	107	125	362	263	6 696	7 301
Managers and administrators, n.e.c., salaried	2 166	33	40	85	159	117	287	310	291	531	313	6 179	6 614
Wholesale and retail trade	760	10	8	52	58	41	162	147	68	124	90	5 333	5 652
Managers and administrators, n.e.c., self-employed	448	41	29	76	37	31	41	45	4	68	76	4 244	4 764
Wholesale and retail trade	277	32	23	32	27	21	28	25	–	41	48	4 125	4 413
Sales workers	**19 485**	**2 785**	**2 578**	**5 196**	**3 116**	**2 616**	**1 312**	**762**	**463**	**418**	**239**	**1 843**	**3 066**
Demonstrators, hucksters, and peddlers	978	321	210	233	101	38	36	11	7	17	4	900	1 764
Insurance, real estate agents, and brokers	723	11	48	92	66	60	92	86	74	105	89	4 918	5 826
Sales clerks, retail trade	14 638	1 987	1 955	4 253	2 472	2 215	942	401	235	131	47	1 794	2 961
Salesmen, retail trade	484	92	28	126	77	43	34	31	15	28	10	1 968	4 545
Other sales workers	2 662	374	337	492	400	260	208	233	132	137	89	2 320	3 545
Clerical and kindred workers	**80 417**	**3 892**	**5 064**	**9 438**	**9 003**	**10 333**	**13 952**	**12 868**	**8 376**	**6 575**	**916**	**4 178**	**5 058**
Bank tellers	1 295	79	63	139	193	243	311	142	69	56	–	3 714	4 404
Bookkeepers	7 682	232	290	810	691	916	1 330	1 419	918	857	219	4 678	5 228
Cashiers	5 830	620	664	1 290	963	835	547	495	302	104	10	2 354	3 658
Counter clerks, except food	980	94	86	195	101	116	149	108	65	55	11	3 121	4 319
Enumerators and interviewers	224	52	58	24	45	4	10	22	4	5	–	1 083	...
File clerks	2 084	139	255	291	290	329	370	203	117	70	20	3 204	4 452
Office machine operators	4 166	159	225	542	431	493	889	770	403	200	54	4 262	4 998
Bookkeeping and billing machine operators	559	24	11	117	87	60	129	77	41	4	9	3 675	4 510
Keypunch operators	2 566	108	125	286	245	340	580	468	258	134	22	4 309	5 037
Payroll and timekeeping clerks	1 144	16	24	75	70	153	168	276	137	188	37	5 239	5 551
Receptionists	2 342	143	289	321	203	404	464	290	172	56	–	3 532	4 473
Secretaries	18 281	482	630	1 456	1 573	2 057	3 261	3 877	2 482	2 201	262	4 902	5 476
Stenographers	1 536	47	98	54	107	167	326	274	225	216	22	4 905	5 510
Telephone operators	2 156	85	175	232	275	269	443	341	180	135	21	4 095	4 977
Typists	7 842	418	553	996	974	1 108	1 625	1 128	660	365	15	3 884	4 788
Other clerical and kindred workers	24 855	1 326	1 654	3 013	3 087	3 239	4 059	3 523	2 642	2 067	245	4 027	4 988
Craftsmen and kindred workers	**4 152**	**143**	**162**	**334**	**374**	**556**	**654**	**721**	**374**	**576**	**258**	**4 775**	**5 433**
Foremen, n.e.c.	961	28	19	21	36	62	146	242	136	196	75	5 696	5 853
Operatives, except transport	**31 524**	**1 343**	**1 602**	**2 832**	**3 075**	**4 854**	**5 248**	**4 728**	**3 775**	**3 818**	**249**	**4 392**	**5 338**
Assemblers	6 749	183	232	420	522	872	1 066	1 149	1 051	1 209	45	5 069	5 973
Bottling and canning operatives	49	4	5	10	4	–	13	8	–	5	–	...	...
Checkers, examiners, and inspectors; manufacturing	3 020	62	86	176	264	356	456	603	550	443	24	5 182	5 780
Dressmakers and seamstresses, except factory	621	50	95	103	103	109	75	31	20	17	18	2 607	3 206
Laundry and drycleaning operatives, including ironers	1 614	96	112	218	311	350	276	143	72	30	6	3 200	3 881
Graders and sorters, manufacturing	105	9	6	6	14	4	30	17	15	4	–	4 450	...
Packers and wrappers, except produce	2 790	190	176	333	362	477	468	397	259	123	5	3 700	4 835
Sewers and stitchers	2 187	96	138	263	252	540	490	241	104	46	17	3 638	4 280
Textile operatives	365	–	26	63	42	65	83	52	9	25	–	3 792	4 301
Other specified operatives	6 592	323	339	577	512	1 023	1 007	938	888	921	64	4 518	5 501
Miscellaneous and not specified operatives	7 432	330	387	663	689	1 058	1 284	1 149	807	995	70	4 459	5 461
Manufacturing	6 721	237	312	613	588	886	1 233	1 076	765	945	66	4 588	5 529
Durable goods	4 029	83	128	268	319	419	602	757	604	819	30	5 258	6 080
Machinery, including electrical	2 363	15	84	133	216	235	243	392	398	628	19	5 652	6 484
Other durable goods	1 666	68	44	135	103	184	359	365	206	191	11	4 833	5 543
Nondurable goods, including not specified manufacturing	2 692	154	184	345	269	467	631	319	161	126	36	3 844	4 664
Food and kindred products	360	13	8	49	35	56	76	43	27	41	12	4 250	4 927
Apparel and other fabricated textile products	127	14	6	15	9	31	38	9	–	5	–	3 629	...
Nonmanufacturing industries	711	93	75	50	101	172	51	73	42	50	4	3 212	4 236
Transport equipment operatives	**727**	**45**	**101**	**154**	**121**	**52**	**44**	**65**	**36**	**69**	**40**	**2 525**	**5 872**
Laborers, except farm	**2 837**	**324**	**304**	**474**	**291**	**405**	**295**	**339**	**204**	**180**	**21**	**3 063**	**4 428**
Farmers and farm managers	**251**	**49**	**23**	**74**	**20**	**13**	**13**	**15**	**5**	**16**	**23**	**1 723**	**1 654**
Farm laborers and farm foremen	**259**	**67**	**36**	**66**	**36**	**23**	**6**	**5**	**4**	**16**	**–**	**1 402**	...
Paid farm laborers and farm foremen	214	61	30	52	27	18	6	5	4	11	–	1 308	...
Unpaid family workers	45	6	6	14	9	5	–	–	–	5	–	...	...
Service workers, except private household[1]	**38 153**	**4 864**	**4 592**	**8 224**	**5 975**	**5 547**	**3 760**	**2 308**	**1 644**	**911**	**328**	**2 234**	**3 536**
Cleaning service workers	5 544	613	622	1 096	1 022	997	587	282	199	106	20	2 432	3 211
Chambermaids and maids	1 231	134	171	269	183	290	94	44	33	13	–	2 227	3 213
Food service workers	14 742	2 350	2 118	3 809	2 545	1 811	985	591	275	167	91	1 762	3 040
Cooks, except private household	3 197	248	304	812	569	440	384	212	115	88	25	2 412	3 848
Waiters and food counter workers	7 581	1 312	1 238	2 087	1 375	891	359	193	58	46	22	1 594	2 541
Health service workers	9 513	807	962	1 619	1 329	1 596	1 332	855	698	221	94	3 025	4 136
Nursing aides, orderlies, and attendants	6 143	527	723	1 076	919	1 070	865	384	418	110	51	2 811	3 987
Practical nurses	1 536	68	80	205	171	207	201	311	195	77	21	4 184	5 135
Personal service workers	4 462	582	437	771	537	643	507	393	245	270	77	2 821	4 192
Hairdressers and cosmetologists	2 686	202	161	481	344	433	345	301	188	177	54	3 358	4 292
Private household workers	**3 722**	**1 058**	**824**	**1 052**	**423**	**229**	**53**	**24**	**12**	**17**	**30**	**987**	**1 506**
Private household workers, living in	375	42	55	121	98	51	8	–	–	–	–	1 748	1 802
Private household workers, living out	3 347	1 016	769	931	325	178	45	24	12	17	30	928	1 435

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. **Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

MILWAUKEE SMSA—Continued

Negro

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	15 463	1 185	1 126	1 933	2 095	2 898	2 140	1 636	1 232	875	343	3 481	4 275
Professional, technical, and kindred workers	1 506	62	69	90	122	159	130	125	217	263	269	5 968	6 036
Accountants	29	3	–	7	4	–	11	4	–	–	–	...	...
Computer specialists	3	–	–	–	–	3	–	–	–	–	–	...	–
Librarians	24	5	–	7	4	4	–	–	–	–	4	...	...
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	9	–	–	–	5	–	–	–	–	4	–	...	...
Registered nurses, dietitians, and therapists	184	–	9	4	10	20	31	23	54	16	17	5 783	6 158
Dietitians	41	–	–	–	6	5	22	–	8	–	–	...	...
Registered nurses	124	–	5	4	4	15	9	19	41	16	11	6 146	...
Health technologists and technicians	88	–	5	10	–	9	3	17	20	20	4	...	...
Social scientists	3	–	–	–	–	–	–	–	–	–	3	...	...
Social and recreation workers	226	9	30	–	31	44	12	25	33	34	8	3 977	6 411
Teachers: College and university	36	–	–	10	–	–	–	–	7	–	19	...	...
Elementary and prekindergarten	442	13	9	24	51	29	30	5	31	110	140	7 791	...
Secondary	149	–	–	10	4	18	–	11	16	47	43	7 989	...
Other teachers	11	–	–	–	–	–	–	–	–	11	–	...	...
Engineering and science technicians	39	4	7	4	–	5	8	5	6	–	–	...	...
Technicians, except health, and engineering and science	5	–	–	–	–	–	5	–	–	–	–	...	...
Writers, artists, and entertainers	15	10	–	5	–	–	–	–	–	–	–	...	...
Actors and dancers	–	–	–	–	–	–	–	–	–	–	–	–	–
Authors, editors, and reporters	5	–	–	5	–	–	–	–	–	–	–	...	–
Other professional, technical, and kindred workers	243	18	9	9	13	27	30	35	50	21	31	5 443	5 500
Managers and administrators, except farm	87	–	–	9	5	13	–	14	11	22	13	...	...
Buyers, purchasing agents, and sales managers	–	–	–	–	–	–	–	–	–	–	–	–	–
Restaurant, cafeteria, and bar managers	5	–	–	–	–	–	–	–	–	5	–	...	...
School administrators	15	–	–	–	5	5	–	–	–	–	5	...	...
Other specified managers and administrators	27	–	–	4	–	–	–	5	3	11	4	...	...
Managers and administrators, n.e.c., salaried	30	–	–	5	–	8	–	5	8	–	4	...	...
Wholesale and retail trade	5	–	–	–	–	–	–	5	–	–	–	...	...
Managers and administrators, n.e.c., self-employed	10	–	–	–	–	–	–	4	–	6	–	...	...
Wholesale and retail trade	10	–	–	–	–	–	–	4	–	6	–	...	...
Sales workers	424	70	61	108	82	38	39	12	4	10	–	1 750	2 518
Demonstrators, hucksters, and peddlers	18	–	–	13	–	5	–	–	–	–	–	...	...
Insurance, real estate agents, and brokers	36	–	–	12	–	4	10	–	–	10	–	...	...
Sales clerks, retail trade	217	41	51	49	38	20	13	5	–	–	–	1 337	...
Salesmen, retail trade	20	5	–	10	5	–	–	–	–	–	–	...	–
Other sales workers	133	24	10	24	39	9	16	7	4	–	–	2 218	...
Clerical and kindred workers	3 264	201	254	350	521	631	561	375	222	132	17	3 485	4 443
Bank tellers	26	9	–	–	–	–	11	6	–	–	–	...	...
Bookkeepers	89	5	–	26	14	25	–	13	6	–	–	...	...
Cashiers	195	6	37	41	37	38	11	22	3	–	–	2 365	...
Counter clerks, except food	39	4	5	5	8	8	4	5	–	–	–	...	...
Enumerators and interviewers	15	5	6	–	4	–	–	–	–	–	–	...	–
File clerks	118	11	20	17	13	22	17	18	–	–	–	2 846	...
Office machine operators	330	10	28	31	21	46	100	53	31	6	4	4 290	4 707
Bookkeeping and billing machine operators	29	–	–	–	8	6	11	–	–	–	4	...	...
Keypunch operators	251	10	19	26	13	38	67	46	26	6	–	4 291	4 750
Payroll and timekeeping clerks	16	–	–	–	3	6	3	–	–	4	–	...	...
Receptionists	55	3	15	–	–	26	11	–	–	–	–	...	...
Secretaries	325	29	23	11	58	71	68	43	9	13	–	3 585	4 246
Stenographers	7	–	–	3	–	–	4	–	–	–	–	...	...
Telephone operators	183	11	26	21	26	39	37	13	4	6	–	3 192	...
Typists	351	26	9	32	68	78	92	23	18	5	–	3 519	4 221
Other clerical and kindred workers	1 515	82	85	163	269	272	203	179	151	98	13	3 583	4 614
Craftsmen and kindred workers	247	–	–	12	5	65	63	35	36	25	6	4 659	5 196
Foremen, n.e.c.	42	–	–	–	–	–	15	13	5	9	–	...	...
Operatives, except transport	3 826	257	236	365	481	773	659	549	252	244	10	3 743	4 594
Assemblers	480	26	23	18	46	85	88	138	49	7	–	4 477	5 000
Bottling and canning operatives	3	–	–	–	–	–	–	3	–	–	–	...	...
Checkers, examiners, and inspectors; manufacturing	238	14	11	22	21	52	20	43	33	22	–	3 981	5 118
Dressmakers and seamstresses, except factory	46	–	5	10	–	12	10	–	4	5	–	...	...
Laundry and drycleaning operatives, including ironers	489	15	37	47	84	124	95	44	20	23	–	3 496	3 894
Graders and sorters, manufacturing	13	–	–	–	8	–	–	5	–	–	–	...	...
Packers and wrappers, except produce	328	31	28	37	49	45	58	54	5	21	–	3 422	4 681
Sewers and stitchers	224	15	26	20	42	42	56	12	–	5	6	3 214	...
Textile operatives	27	–	–	–	3	7	11	6	–	–	–	...	...
Other specified operatives	1 113	99	41	118	113	257	191	138	88	68	–	3 722	4 698
Miscellaneous and not specified operatives	865	57	65	93	115	149	130	106	53	93	4	3 688	4 846
Manufacturing	750	31	54	85	95	136	109	98	49	93	–	3 809	4 942
Durable goods	414	18	44	35	48	37	38	81	32	81	–	4 658	5 595
Machinery, including electrical	284	–	40	14	26	26	19	67	32	60	–	5 254	5 632
Other durable goods	130	18	4	21	22	11	19	14	–	21	–	3 000	...
Nondurable goods, including not specified manufacturing	336	13	10	50	47	99	71	17	17	12	–	3 485	4 114
Food and kindred products	28	–	–	5	4	13	6	–	–	–	–	...	...
Apparel and other fabricated textile products	5	–	–	–	–	–	–	–	–	5	–	...	...
Nonmanufacturing industries	115	26	11	8	20	13	21	8	4	–	4	2 625	...
Transport equipment operatives	63	–	–	–	6	5	4	5	20	18	5	...	...
Laborers, except farm	299	14	28	49	29	80	38	32	18	11	–	3 369	3 852
Farmers and farm managers	59	10	–	18	20	–	7	4	–	–	–	...	...
Farm laborers and farm foremen	37	4	5	13	4	–	–	–	–	11	–	...	...
Paid farm laborers and farm foremen	33	4	5	9	4	–	–	–	–	11	–	...	–
Unpaid family workers	4	–	–	4	–	–	–	–	–	–	–	...	...
Service workers, except private household[1]	4 789	463	281	598	704	1 048	623	470	445	134	23	3 333	3 893
Cleaning service workers	966	99	85	137	148	237	129	54	39	38	–	3 059	3 406
Chambermaids and maids	288	26	42	59	21	80	33	11	8	8	–	2 810	3 407
Food service workers	920	114	37	95	177	195	127	105	49	10	11	3 190	3 788
Cooks, except private household	357	31	11	25	60	84	77	35	28	6	–	3 613	4 032
Waiters and food counter workers	210	48	21	22	52	25	18	24	–	–	–	2 269	...
Health service workers	1 826	120	89	192	248	409	253	203	223	77	12	3 645	4 374
Nursing aides, orderlies, and attendants	1 487	108	77	158	236	342	205	131	171	47	12	3 481	4 167
Practical nurses	187	–	5	16	–	30	24	45	37	30	–	5 411	5 595
Personal service workers	329	39	13	65	41	64	45	29	28	5	–	3 102	3 857
Hairdressers and cosmetologists	94	13	3	12	14	6	9	14	18	5	–	...	...
Private household workers	862	104	192	321	116	86	16	15	7	5	–	1 421	1 770
Private household workers, living in	12	–	6	6	–	–	–	–	–	–	–	...	...
Private household workers, living out	850	104	186	315	116	86	16	15	7	5	–	1 429	1 792

[1]Includes protective service workers and allocated cases not shown separately.

Table 177. Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State

	Persons with earnings											
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	Median earnings (dollars)	Percent worked 50 to 52 weeks
Male experienced civilian labor force	1 088 666	132 585	94 061	50 746	70 207	95 486	116 686	216 711	225 256	86 928	7 868	74.9
Agriculture, forestry, and fisheries	92 667	24 496	17 421	7 378	8 585	6 155	4 823	7 689	9 171	6 949	4 599	86.6
Professional and managerial workers, except farm	2 547	166	184	147	117	163	213	459	530	568	9 235	83.3
Clerical and sales workers	400	57	29	26	23	36	56	65	68	40	7 518	79.5
Laborers, except farm	1 731	553	264	143	135	139	203	148	76	70	4 339	47.9
Other blue-collar workers	1 484	265	166	111	140	215	174	238	152	23	6 279	65.4
Farmers and farm managers	67 917	13 180	13 323	5 701	7 040	4 817	3 658	6 273	7 856	6 069	5 249	93.9
Farm laborers and farm foremen	18 381	10 212	3 425	1 235	1 104	758	498	487	483	179	1 800	66.0
Service workers, except private household	207	63	30	15	26	27	21	19	6	–	4 700	49.3
Mining	2 951	175	175	132	237	371	407	675	550	229	7 947	71.4
Professional, technical, and kindred workers	126	4	5	–	–	23	15	16	50	13	10 000	77.0
Managers and administrators, except farm	245	–	–	–	12	13	13	44	110	53	11 841	83.3
Clerical and sales workers	115	–	–	–	23	–	10	13	34	35	11 691	88.7
Craftsmen and kindred workers	716	8	51	29	29	51	129	163	182	74	8 748	76.0
Operatives, except transport	1 049	109	85	62	110	157	158	248	84	36	7 009	66.6
Transport equipment operatives, and laborers, except farm	653	38	34	41	63	111	77	181	90	18	7 513	66.6
Service workers, except private household	47	16	–	–	–	16	5	10	–	–	...	...
Construction	90 799	6 617	6 097	4 248	6 464	8 658	9 444	17 122	25 167	6 982	8 452	61.9
Professional, technical, and kindred workers	2 651	109	128	45	77	141	156	491	1 010	494	10 884	82.8
Managers and administrators, except farm	7 495	242	305	228	273	340	380	1 057	2 262	2 408	12 039	82.8
Sales workers	712	48	23	24	11	56	66	111	183	190	10 464	78.8
Clerical and kindred workers	2 097	175	165	42	105	129	198	308	671	304	9 523	80.6
Craftsmen and kindred workers	55 302	3 801	3 574	2 551	3 719	4 894	5 457	10 574	17 709	3 023	8 691	60.3
Operatives, except transport	4 378	260	269	141	286	423	467	993	1 293	246	8 691	62.9
Transport equipment operatives	4 820	220	298	315	606	954	751	1 120	486	70	7 023	60.5
Laborers, except farm	12 417	1 644	1 271	820	1 300	1 546	1 805	2 333	1 496	202	6 759	47.2
Service workers, except private household	927	118	64	82	87	175	164	135	57	45	6 643	73.9
Manufacturing, total	404 982	25 461	24 893	16 978	25 893	40 519	53 331	103 274	91 492	23 141	8 299	78.7
Professional, technical, and kindred workers	39 956	1 345	1 284	696	1 134	2 079	3 410	8 661	16 010	5 337	10 428	88.2
Managers and administrators, except farm	23 872	514	462	311	455	680	1 200	3 366	7 649	9 235	13 234	93.1
Sales workers	11 282	1 963	456	316	269	612	738	1 878	3 252	1 798	9 371	80.9
Clerical and kindred workers	24 349	1 454	1 590	1 061	1 735	3 139	4 260	6 579	3 881	650	7 750	81.9
Craftsmen and kindred workers	97 717	3 496	3 653	2 765	4 719	7 949	12 041	27 588	31 913	3 593	9 032	83.4
Operatives, except transport	154 207	10 182	11 636	8 071	12 459	19 161	23 852	43 908	23 179	1 759	7 654	74.0
Transport equipment operatives	18 543	1 093	1 482	979	1 484	2 444	2 896	4 971	2 818	376	7 618	74.3
Laborers, except farm	24 141	3 734	3 257	1 937	2 493	2 948	3 301	4 389	1 818	264	6 220	62.8
Service workers, except private household	10 915	1 680	1 073	842	1 145	1 507	1 633	1 934	972	129	6 476	68.8
Manufacturing, durable goods	275 999	15 151	17 048	11 661	18 376	29 126	37 483	69 279	62 827	15 048	8 264	77.9
Professional, technical, and kindred workers	29 522	910	942	466	787	1 520	2 502	6 295	12 229	3 871	10 547	88.5
Managers and administrators, except farm	14 224	250	273	181	219	342	669	1 970	4 597	5 723	13 489	93.1
Sales workers	4 230	173	114	97	85	266	355	772	1 478	890	10 856	86.4
Clerical and kindred workers	17 025	824	1 029	718	1 285	2 462	3 259	4 545	2 532	371	7 673	81.9
Craftsmen and kindred workers	69 973	2 427	2 645	2 055	3 385	5 938	8 706	19 321	22 915	2 581	9 018	82.5
Operatives, except transport	109 078	6 809	8 292	5 753	9 128	14 203	17 344	30 200	16 146	1 203	7 597	72.8
Transport equipment operatives	9 553	555	753	530	922	1 452	1 606	2 381	1 203	151	7 351	68.9
Laborers, except farm	15 448	2 204	2 298	1 331	1 752	1 911	2 057	2 584	1 119	192	6 073	61.7
Service workers, except private household	6 946	999	702	530	813	1 032	985	1 211	608	66	6 416	68.2
Manufacturing, nondurable goods, including not specified	128 983	10 310	7 845	5 317	7 517	11 393	15 848	33 995	28 665	8 093	8 368	80.4
Professional, technical, and kindred workers	10 434	435	342	230	347	559	908	2 366	3 781	1 466	10 040	87.2
Managers and administrators, except farm	9 648	264	189	130	236	338	531	1 396	3 052	3 512	12 851	93.1
Sales workers	7 052	1 790	342	219	184	346	383	1 106	1 774	908	8 474	77.5
Clerical and kindred workers	7 324	630	561	343	450	677	1 001	2 034	1 349	279	8 000	81.9
Craftsmen and kindred workers	27 744	1 069	1 008	710	1 334	2 011	3 335	8 267	8 998	1 012	9 066	85.9
Operatives, except transport	45 129	3 373	3 344	2 318	3 331	4 958	6 508	13 708	7 033	556	7 805	77.1
Transport equipment operatives	8 990	538	729	449	562	992	1 290	2 590	1 615	225	7 950	80.1
Laborers, except farm	8 693	1 530	959	606	741	1 037	1 244	1 805	699	72	6 492	64.6
Service workers, except private household	3 969	681	371	312	332	475	648	723	364	63	6 607	69.9
Transportation, communications, and other public utilities	73 488	4 440	4 330	2 548	3 631	6 102	9 740	18 175	20 040	4 482	8 655	79.4
Professional, technical, and kindred workers	5 186	339	320	96	140	271	367	1 142	1 809	702	9 856	82.9
Managers and administrators, except farm	6 148	217	156	81	119	258	433	922	2 508	1 454	11 770	87.3
Sales workers	991	41	17	25	34	43	91	185	352	203	10 845	88.3
Clerical and kindred workers	6 090	398	323	160	310	645	1 105	1 886	1 110	153	8 110	84.0
Craftsmen and kindred workers	21 018	655	743	631	779	1 562	3 044	5 947	7 042	615	9 041	86.0
Operatives, except transport	3 470	212	231	169	252	371	645	991	565	34	7 775	70.2
Transport equipment operatives	22 002	1 206	1 534	945	1 192	1 755	2 585	5 487	6 056	1 242	8 650	75.0
Laborers, except farm	6 795	1 069	810	359	654	968	1 232	1 217	430	56	6 522	64.7
Service workers, except private household	1 788	303	196	82	151	229	238	398	168	23	6 707	72.0
Wholesale trade	46 615	3 816	2 947	1 768	2 965	3 911	5 146	9 637	10 946	5 479	8 572	81.4
Professional, technical, and kindred workers	2 337	84	98	53	46	119	129	440	977	391	11 021	89.2
Managers and administrators, except farm	8 224	294	261	128	195	384	595	1 443	2 340	2 584	11 735	93.8
Sales workers	11 120	522	337	271	532	711	1 099	2 269	3 553	1 826	9 840	86.4
Clerical and kindred workers	3 754	413	403	206	328	483	551	703	546	121	7 080	78.1
Craftsmen and kindred workers	5 918	315	287	184	382	641	933	1 553	1 402	221	8 279	82.7
Operatives, except transport	4 455	527	510	286	436	479	512	1 040	562	103	6 978	70.8
Transport equipment operatives	6 420	493	485	407	623	646	887	1 494	1 202	183	7 627	76.9
Laborers, except farm	3 628	922	478	186	373	353	352	620	304	40	5 611	60.1
Service workers, except private household	759	246	88	47	50	95	88	75	60	10	4 968	59.7
Retail trade	142 091	35 807	17 683	7 422	9 337	11 318	11 761	19 536	19 396	9 831	6 070	67.7
Professional, technical, and kindred workers	3 934	304	287	122	133	199	258	574	1 216	841	10 370	82.1
Managers and administrators, except farm	31 215	1 792	2 038	1 334	1 901	2 511	2 941	5 821	7 366	5 511	9 062	88.0
Sales workers	22 723	4 625	2 802	1 250	1 526	1 913	1 984	3 478	3 476	1 669	6 606	70.4
Clerical and kindred workers	6 008	1 945	1 127	403	440	431	532	562	406	162	3 879	60.3
Craftsmen and kindred workers	21 233	1 977	1 999	1 316	2 058	2 653	2 925	4 298	3 266	741	7 210	80.1
Operatives, except transport	15 698	5 644	2 748	819	998	1 129	1 110	1 702	1 294	254	3 605	54.1
Transport equipment operatives	7 456	1 662	820	507	679	681	842	1 307	847	111	6 088	67.1
Laborers, except farm	12 170	7 119	2 618	486	419	502	298	456	248	24	1 710	41.6
Service workers, except private household	21 654	10 739	3 244	1 185	1 183	1 299	871	1 338	1 277	518	2 054	47.4

Table 177. **Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State

	Persons with earnings											
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	Median earnings (dollars)	Percent worked 50 to 52 weeks
Male experienced civilian labor force—Continued												
Finance, insurance, and real estate	**30 802**	**2 580**	**1 894**	**1 221**	**1 560**	**1 763**	**2 237**	**4 927**	**7 901**	**6 719**	**9 683**	**82.2**
Professional, technical, and kindred workers	2 246	110	147	62	59	84	162	503	781	338	9 984	85.4
Managers and administrators, except farm	7 990	287	242	178	202	336	454	1 181	2 474	2 636	12 253	91.6
Sales workers	13 036	708	595	401	684	683	935	2 029	3 532	3 469	10 684	82.9
Clerical and kindred workers	4 392	547	464	362	337	378	390	841	860	213	7 277	76.5
Craftsmen and kindred workers	775	85	50	35	51	65	98	160	192	39	8 044	71.6
Operatives, except transport	141	27	19	4	17	31	10	19	4	10	6 113	71.6
Transport equipment operatives	109	21	29	3	11	6	16	14	4	5	5 136	54.1
Laborers, except farm	720	320	143	19	34	45	47	86	21	5	2 559	41.8
Service workers, except private household	1 393	475	205	157	165	135	125	94	33	4	4 105	65.2
Business and repair services	**27 279**	**5 117**	**2 975**	**1 550**	**2 012**	**2 539**	**2 484**	**4 081**	**4 203**	**2 318**	**6 782**	**71.3**
Professional, technical, and kindred workers	2 694	252	173	78	119	182	253	467	653	517	9 242	76.5
Managers and administrators, except farm	3 041	193	140	97	116	170	245	427	767	886	10 864	89.8
Sales workers	1 259	76	108	40	58	78	123	205	285	286	9 429	80.9
Clerical and kindred workers	1 429	298	165	79	101	111	218	221	176	60	6 644	65.4
Craftsmen and kindred workers	11 716	1 598	1 252	824	1 079	1 430	1 217	2 034	1 835	447	6 773	76.5
Operatives, except transport	2 146	583	259	141	163	228	179	359	186	48	5 552	63.4
Transport equipment operatives	749	196	114	23	80	72	87	102	57	18	5 519	63.2
Laborers, except farm	1 579	931	266	41	51	88	46	95	46	15	1 696	33.1
Service workers, except private household	2 666	990	498	227	245	180	116	171	198	41	3 378	51.7
Personal services	**16 000**	**3 868**	**1 903**	**1 260**	**1 342**	**1 396**	**1 354**	**1 751**	**1 969**	**1 157**	**5 722**	**68.4**
Professional and managerial workers, except farm	3 937	277	331	197	342	248	335	531	890	786	8 898	86.0
Clerical and sales workers	917	249	200	84	66	41	56	91	97	33	4 113	58.9
Craftsmen and operatives, including transport	3 210	801	339	270	272	280	375	471	341	61	5 717	65.4
Laborers, except farm	1 092	646	107	64	64	93	54	18	26	20	1 690	44.5
Service workers, except private household	6 492	1 676	886	616	592	718	529	613	610	252	5 115	66.1
Private household workers	352	219	40	29	6	16	5	27	5	5	1 607	41.8
Entertainment and recreation services	**6 489**	**2 590**	**829**	**272**	**319**	**353**	**527**	**679**	**572**	**348**	**3 579**	**47.0**
Professional, technical, and kindred workers	1 328	437	206	50	54	83	101	115	146	136	4 420	41.4
Managers and administrators, except farm	959	65	90	41	38	79	119	164	206	157	8 579	75.4
Sales workers	111	54	17	–	–	4	12	9	5	10	2 176	36.0
Clerical and kindred workers	174	97	41	17	–	–	4	15	–	–	1 794	42.0
Craftsmen and kindred workers	692	163	73	48	41	46	101	131	83	6	6 457	60.5
Operatives, except transport	36	6	4	–	–	5	–	21	–	–	...	...
Transport equipment operatives	62	29	9	–	–	–	9	5	5	5	...	...
Laborers, except farm	646	309	69	36	53	51	73	50	5	–	2 406	40.9
Service workers, except private household	2 481	1 430	320	80	133	85	108	169	122	34	1 735	37.5
Professional and related services	**107 243**	**14 975**	**10 697**	**4 713**	**5 886**	**8 042**	**8 544**	**14 939**	**22 793**	**16 654**	**8 102**	**61.8**
Professional, technical, and kindred workers	67 077	5 419	6 477	2 441	2 671	3 569	4 919	10 727	17 298	13 556	9 499	59.0
Managers and administrators, except farm	8 347	398	271	129	199	236	430	1 015	3 106	2 563	12 407	75.4
Sales workers	418	105	32	11	36	25	14	63	91	41	7 000	61.2
Clerical and kindred workers	4 564	1 864	670	225	245	369	267	331	402	191	3 248	49.2
Craftsmen and kindred workers	4 523	453	275	147	323	519	548	1 015	1 096	147	7 994	80.7
Operatives, except transport	1 721	425	229	101	127	165	243	263	146	22	5 831	64.0
Transport equipment operatives	775	199	73	63	65	126	99	100	35	15	5 808	61.9
Laborers, except farm	1 242	419	184	67	148	141	130	107	42	4	4 269	56.9
Service workers, except private household	18 576	5 693	2 486	1 529	2 072	2 892	1 894	1 318	577	115	4 725	64.1
Public administration	**47 260**	**2 643**	**2 217**	**1 256**	**1 976**	**4 359**	**6 888**	**14 226**	**11 056**	**2 639**	**8 603**	**87.1**
Professional, technical, and kindred workers	7 081	321	302	161	242	390	589	1 391	2 544	1 141	10 284	86.6
Managers and administrators, except farm	6 381	329	173	119	156	401	601	1 461	2 353	788	9 932	91.3
Sales workers	55	–	5	–	–	–	16	20	9	5	...	...
Clerical and kindred workers	11 983	511	542	325	443	1 127	2 290	4 558	1 856	331	8 331	87.9
Craftsmen and kindred workers	3 719	320	457	130	153	340	462	1 048	762	47	7 995	82.5
Operatives, except transport	580	45	15	28	36	70	108	171	102	5	7 889	81.6
Transport equipment operatives	1 039	48	44	24	107	144	259	334	75	4	7 589	83.2
Laborers, except farm	1 862	292	214	83	166	353	393	264	71	26	6 499	67.3
Service workers, except private household	14 560	777	465	386	673	1 534	2 170	4 979	3 284	292	8 512	88.9
Female experienced civilian labor force	**617 795**	**203 561**	**165 621**	**79 583**	**59 562**	**40 109**	**26 417**	**26 188**	**13 753**	**3 001**	**3 272**	**52.1**
Agriculture, forestry, and fisheries	**7 925**	**4 513**	**1 650**	**510**	**456**	**246**	**155**	**161**	**117**	**117**	**1 756**	**69.4**
Professional and managerial workers, except farm	169	78	41	19	6	–	10	10	–	5	2 317	50.3
Clerical and sales workers	935	384	237	91	89	62	48	4	12	8	2 705	56.6
Laborers, except farm	290	194	63	–	8	5	–	13	7	–	1 495	48.3
Other blue-collar workers	224	106	50	32	9	9	–	18	–	–	2 240	51.3
Farmers and farm managers	3 226	1 528	770	243	252	119	61	82	67	104	2 221	91.0
Farm laborers and farm foremen	2 946	2 145	468	117	76	51	30	34	25	–	1 373	54.6
Service workers, except private household	135	78	21	8	16	–	6	–	6	–	1 731	64.4
Mining	**236**	**52**	**61**	**44**	**17**	**46**	**5**	**3**	**5**	**3**	**4 114**	**58.1**
Professional, technical, and kindred workers	6	–	–	3	–	–	–	–	–	3	...	...
Managers and administrators, except farm	–	–	–	–	–	–	–	–	–	–	–	–
Clerical and sales workers	131	26	45	25	12	15	–	3	5	–	3 756	64.1
Craftsmen and kindred workers	–	–	–	–	–	–	–	–	–	–	–	–
Operatives, except transport	67	13	16	16	5	12	5	–	–	–	...	...
Transport equipment operatives, and laborers, except farm	19	–	–	–	–	19	–	–	–	–	...	...
Service workers, except private household	13	13	–	–	–	–	–	–	–	–	...	–
Construction	**4 633**	**1 137**	**1 007**	**633**	**566**	**389**	**291**	**284**	**276**	**50**	**4 273**	**68.6**
Professional, technical, and kindred workers	179	23	11	16	62	22	19	17	9	–	5 637	64.8
Managers and administrators, except farm	202	28	20	5	11	18	23	40	38	19	7 826	87.1
Sales workers	78	45	14	–	5	–	–	4	10	–	...	...
Clerical and kindred workers	3 202	808	796	530	418	286	184	95	66	19	3 992	73.2
Craftsmen and kindred workers	530	101	72	26	47	25	32	89	132	6	6 760	55.5
Operatives, except transport	144	10	57	27	13	20	12	3	2	–	4 185	62.5
Transport equipment operatives	43	–	–	5	4	6	–	17	5	6	...	...
Laborers, except farm	134	45	18	10	6	12	15	14	14	–	4 400	43.3
Service workers, except private household	121	77	19	14	–	–	6	5	–	–	1 571	34.7

Table 177. Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State

	Persons with earnings											
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	Median earnings (dollars)	Percent worked 50 to 52 weeks
Female experienced civilian labor force—Continued												
Manufacturing, total	135 935	23 624	36 162	26 412	21 039	13 579	7 828	5 227	1 549	515	4 310	61.4
Professional, technical, and kindred workers	5 111	681	860	722	843	606	497	486	325	91	5 347	72.5
Managers and administrators, except farm	1 273	139	118	148	139	165	161	151	143	109	6 561	87.0
Sales workers	1 039	438	242	100	79	52	32	26	46	24	2 674	55.6
Clerical and kindred workers	40 713	5 914	9 252	8 913	7 543	4 635	2 584	1 429	316	127	4 582	70.5
Craftsmen and kindred workers	6 764	910	1 695	1 268	1 212	594	373	426	234	52	4 613	64.5
Operatives, except transport	74 532	13 817	22 098	14 249	10 355	7 077	3 920	2 468	447	101	4 095	55.5
Transport equipment operatives	397	79	96	40	42	57	41	38	4	–	4 588	52.1
Laborers, except farm	3 852	875	1 159	627	627	270	151	127	10	6	3 814	53.4
Service workers, except private household	2 254	771	642	345	199	123	69	76	24	5	3 109	59.5
Manufacturing, durable goods	78 895	11 194	18 994	15 499	13 557	9 377	5 570	3 516	874	314	4 597	63.2
Professional, technical, and kindred workers	2 326	150	285	290	470	362	262	262	173	72	5 932	77.4
Managers and administrators, except farm	553	26	42	66	56	87	74	65	67	70	6 994	87.5
Sales workers	291	67	48	59	48	10	19	5	26	9	4 517	67.4
Clerical and kindred workers	24 845	3 202	5 316	5 642	4 907	3 018	1 712	779	205	64	4 692	71.8
Craftsmen and kindred workers	3 456	294	830	581	646	335	277	304	164	25	5 036	64.3
Operatives, except transport	43 299	6 520	11 352	8 201	6 809	5 181	3 035	1 913	225	63	4 461	57.9
Transport equipment operatives	252	19	55	34	30	53	23	34	4	–	5 600	46.4
Laborers, except farm	2 596	552	717	453	433	222	118	90	5	6	4 064	53.7
Service workers, except private household	1 277	364	349	173	158	109	50	64	5	5	3 573	61.7
Manufacturing, nondurable goods, including not specified	57 040	12 430	17 168	10 913	7 482	4 202	2 258	1 711	675	201	3 874	58.9
Professional, technical, and kindred workers	2 785	531	575	432	373	244	235	224	152	19	4 663	68.4
Managers and administrators, except farm	720	113	76	82	83	78	87	86	76	39	6 077	86.5
Sales workers	748	371	194	41	31	42	13	21	20	15	2 031	51.1
Clerical and kindred workers	15 868	2 712	3 936	3 271	2 636	1 617	872	650	111	63	4 393	68.5
Craftsmen and kindred workers	3 308	616	865	687	566	259	96	122	70	27	4 252	64.8
Operatives, except transport	31 233	7 297	10 746	6 048	3 546	1 896	885	555	222	38	3 548	52.3
Transport equipment operatives	145	60	41	6	12	4	18	4	–	–	2 610	62.1
Laborers, except farm	1 256	323	442	174	194	48	33	37	5	–	3 380	52.9
Service workers, except private household	977	407	293	172	41	14	19	12	19	–	2 556	56.6
Transportation, communications, and other public utilities	17 085	3 602	3 979	2 820	2 858	1 926	869	675	298	58	4 341	64.2
Professional, technical, and kindred workers	809	73	140	128	89	115	97	98	59	10	5 713	72.2
Managers and administrators, except farm	548	38	74	53	73	122	38	63	61	26	6 295	82.7
Sales workers	226	56	24	33	60	18	5	20	5	5	5 000	65.5
Clerical and kindred workers	12 466	2 044	2 924	2 412	2 445	1 558	633	368	76	6	4 524	69.0
Craftsmen and kindred workers	386	65	51	51	29	48	25	62	55	–	5 897	83.2
Operatives, except transport	175	48	44	22	22	16	13	10	–	–	3 795	44.0
Transport equipment operatives	1 844	1 011	519	73	90	22	43	33	42	11	1 824	19.6
Laborers, except farm	118	42	34	9	18	5	10	–	–	–	3 000	55.1
Service workers, except private household	513	225	169	39	32	22	5	21	–	–	2 373	71.7
Wholesale trade	13 421	3 141	3 683	2 178	1 887	1 074	613	480	269	96	3 938	62.8
Professional, technical, and kindred workers	398	69	54	42	75	40	9	65	33	11	5 453	66.3
Managers and administrators, except farm	511	67	59	47	60	43	58	92	63	22	6 523	83.8
Sales workers	607	215	168	26	43	29	56	23	35	12	3 054	55.0
Clerical and kindred workers	8 618	1 923	2 260	1 594	1 345	767	378	204	96	51	4 079	66.2
Craftsmen and kindred workers	315	13	73	36	93	38	27	27	8	–	5 382	70.5
Operatives, except transport	2 215	542	838	352	211	124	71	61	16	–	3 350	51.6
Transport equipment operatives	92	44	13	5	6	–	5	8	11	–	...	...
Laborers, except farm	408	113	152	61	43	27	9	–	3	–	3 197	50.2
Service workers, except private household	257	155	66	15	11	6	–	–	4	–	1 658	35.8
Retail trade	133 526	65 566	41 756	11 008	6 981	3 459	1 669	1 305	1 249	533	2 057	48.9
Professional, technical, and kindred workers	1 588	445	386	206	187	113	104	62	71	14	3 808	61.3
Managers and administrators, except farm	7 742	1 510	1 851	1 063	1 008	683	401	461	540	225	4 480	77.3
Sales workers	41 767	23 156	13 846	2 491	1 037	536	224	162	209	106	1 804	46.7
Clerical and kindred workers	34 059	13 222	11 375	4 243	3 007	1 248	533	252	144	35	2 669	54.6
Craftsmen and kindred workers	2 104	673	554	335	202	112	78	73	56	21	3 368	59.7
Operatives, except transport	4 689	1 638	1 794	536	383	220	69	35	8	6	2 788	52.0
Transport equipment operatives	199	113	39	22	15	–	–	–	10	–	1 761	30.7
Laborers, except farm	2 297	1 262	654	174	105	52	27	20	3	–	1 820	46.6
Service workers, except private household	39 081	23 547	11 257	1 938	1 037	495	233	240	208	126	1 660	39.5
Finance, insurance, and real estate	33 364	7 336	9 421	7 378	4 364	2 343	984	895	437	206	3 984	65.8
Professional, technical, and kindred workers	958	79	182	208	130	119	90	87	47	16	5 077	69.2
Managers and administrators, except farm	1 725	189	230	207	235	299	130	223	166	46	6 005	83.4
Sales workers	1 719	408	353	253	184	144	64	110	106	97	4 389	63.6
Clerical and kindred workers	27 045	5 787	7 963	6 548	3 714	1 739	696	438	118	42	3 943	65.0
Craftsmen and kindred workers	145	23	19	36	30	10	–	27	–	–	4 847	83.4
Operatives, except transport	101	27	34	11	18	11	–	–	–	–	3 382	68.3
Transport equipment operatives	–	–	–	–	–	–	–	–	–	–	–	–
Laborers, except farm	91	42	42	7	–	–	–	–	–	–	...	...
Service workers, except private household	1 580	781	598	108	53	21	4	10	–	5	2 030	59.6
Business and repair services	10 083	3 845	2 680	1 350	903	608	252	235	134	76	2 893	49.0
Professional, technical, and kindred workers	990	315	194	118	123	57	51	62	41	29	3 856	46.6
Managers and administrators, except farm	318	38	81	18	55	43	14	42	22	5	5 400	76.1
Sales workers	412	271	77	13	8	30	5	8	–	–	1 520	39.6
Clerical and kindred workers	6 031	2 155	1 632	966	572	406	149	85	40	26	3 055	50.4
Craftsmen and kindred workers	371	91	66	74	47	31	15	24	16	7	4 385	56.6
Operatives, except transport	710	251	299	56	51	20	13	5	15	–	2 696	49.3
Transport equipment operatives	35	10	5	–	6	10	–	4	–	–	...	...
Laborers, except farm	260	142	74	29	6	–	–	–	–	9	1 831	19.6
Service workers, except private household	956	572	252	76	35	11	5	5	–	–	1 671	41.5
Personal services	40 659	24 002	10 150	2 447	1 677	951	457	472	297	206	1 694	46.4
Professional and managerial workers, except farm	1 732	518	434	212	157	87	86	95	73	70	3 604	63.2
Clerical and sales workers	4 385	1 955	1 395	463	265	128	72	56	46	5	2 341	54.4
Craftsmen and operatives, including transport	4 776	1 906	1 924	425	277	142	44	23	25	10	2 501	52.7
Laborers, except farm	362	196	125	26	9	–	–	–	–	6	1 847	40.9
Service workers, except private household	14 616	6 637	4 614	1 190	883	558	242	265	143	84	2 291	50.3
Private household workers	14 788	12 790	1 658	131	86	36	13	33	10	31	1 156	36.3

Table 177. Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State	Persons with earnings										Median earnings (dollars)	Percent worked 50 to 52 weeks
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more		
Female experienced civilian labor force—Continued												
Entertainment and recreation services	**4 534**	**2 666**	**992**	**283**	**199**	**134**	**90**	**86**	**62**	**22**	**1 701**	**33.4**
Professional, technical, and kindred workers	649	370	123	37	27	33	15	21	15	8	1 754	25.0
Managers and administrators, except farm	277	72	53	35	26	20	23	24	20	4	4 386	58.8
Sales workers	341	295	33	–	–	–	5	8	–	–	1 156	27.9
Clerical and kindred workers	1 101	548	270	102	77	46	27	27	4	–	2 019	40.2
Craftsmen and kindred workers	21	5	–	6	–	–	5	–	–	5	...	...
Operatives, except transport	52	15	30	–	7	–	–	–	–	–	...	...
Transport equipment operatives	–	–	–	–	–	–	–	–	–	–	–	–
Laborers, except farm	66	46	5	9	–	6	–	–	–	–	...	...
Service workers, except private household	2 027	1 315	478	94	62	29	15	6	23	5	1 541	30.0
Professional and related services	**198 467**	**59 679**	**50 833**	**22 188**	**16 206**	**13 155**	**11 596**	**15 102**	**8 638**	**1 070**	**3 556**	**43.5**
Professional, technical, and kindred workers	82 597	16 247	15 277	6 559	5 677	7 477	9 301	13 674	7 602	783	5 566	33.6
Managers and administrators, except farm	3 406	534	571	269	324	317	303	413	511	164	6 016	60.5
Sales workers	600	354	174	26	26	14	–	–	6	–	1 695	34.8
Clerical and kindred workers	46 894	15 547	12 466	7 955	5 994	2 786	1 158	692	251	45	3 267	52.6
Craftsmen and kindred workers	808	233	234	132	99	41	26	27	16	–	3 462	55.3
Operatives, except transport	3 093	1 056	1 154	487	192	103	72	25	–	4	2 850	61.3
Transport equipment operatives	162	86	61	9	6	–	–	–	–	–	1 884	13.6
Laborers, except farm	499	214	171	62	31	16	–	5	–	–	2 415	46.7
Service workers, except private household	60 408	25 408	20 725	6 689	3 857	2 401	736	266	252	74	2 463	48.2
Public administration	**17 927**	**4 398**	**3 247**	**2 332**	**2 409**	**2 199**	**1 608**	**1 263**	**422**	**49**	**4 565**	**63.7**
Professional, technical, and kindred workers	1 501	244	175	112	125	161	231	310	128	15	6 587	67.9
Managers and administrators, except farm	1 395	329	179	175	128	124	145	212	99	4	5 113	75.3
Sales workers	26	5	10	–	6	5	–	–	–	–	...	...
Clerical and kindred workers	12 429	2 553	2 312	1 863	1 987	1 774	1 133	646	131	30	4 724	65.8
Craftsmen and kindred workers	94	16	13	–	28	–	23	7	7	–	...	...
Operatives, except transport	92	27	22	9	16	13	5	–	–	–	...	...
Transport equipment operatives	73	22	18	–	5	7	–	4	17	–	...	...
Laborers, except farm	132	54	23	20	15	14	6	–	–	–	3 043	54.5
Service workers, except private household	2 185	1 148	495	153	99	101	65	84	40	–	1 903	42.2

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State	Persons 25 years old and over	Occupation of workers in 1965											Armed Forces in 1965	Did not work in 1965 and work in 1965 not reported
		Total working[1]	Professional, technical, and kindred workers	Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Farm laborers and farm foremen	Service workers, except private household	Private household workers		
TOTAL															
Total															
Male	**1 118 177**	**891 869**	**96 836**	**84 867**	**48 278**	**45 899**	**181 432**	**193 075**	**45 252**	**72 959**	**11 577**	**48 822**	**267**	**29 953**	**196 355**
Employed in 1970	875 357	791 357	91 644	77 306	44 158	40 980	159 143	171 657	37 011	64 767	9 447	41 176	95	25 869	58 131
Professional, technical, and kindred workers	119 442	101 142	79 785	3 097	1 718	2 044	3 427	3 042	1 032	181	51	1 176	–	3 541	14 759
Managers and administrators, except farm	99 966	94 341	5 250	61 509	6 226	2 991	4 968	3 687	1 304	502	108	1 450	–	1 990	3 635
Sales workers	49 928	45 644	1 291	3 847	31 170	1 134	1 870	2 048	560	504	66	377	–	1 538	2 746
Clerical and kindred workers	49 437	44 577	1 500	1 832	1 223	28 819	2 030	3 327	1 209	340	256	864	–	2 336	2 524
Craftsmen and kindred workers	189 785	174 430	1 819	2 768	1 491	1 849	128 817	15 826	4 638	1 917	506	2 613	27	5 921	9 434
Operatives, including transport	193 411	176 322	1 029	1 897	1 315	2 229	10 967	132 098	6 523	3 701	1 004	2 811	–	6 797	10 292
Laborers, except farm	40 288	35 155	197	541	311	830	2 206	5 406	19 597	1 194	653	916	–	1 483	3 650
Farmers and farm managers	67 310	62 155	154	229	90	88	894	1 312	366	53 391	1 749	141	–	433	4 722
Farm laborers and farm foremen	9 412	8 046	36	–	23	–	197	549	116	1 962	4 673	45	–	123	1 243
Service workers, except private household	56 233	49 475	583	1 586	591	996	3 767	4 362	1 650	1 075	381	30 783	51	1 707	5 051
Private household workers	145	70	–	–	–	–	–	–	16	–	–	–	17	–	75
Unemployed	24 026	20 329	952	963	658	617	5 922	5 227	2 627	491	302	1 009	40	1 014	2 683
Armed Forces	1 672	295	81	29	–	25	38	44	9	–	–	21	–	1 225	152
Not in labor force	217 122	79 888	4 159	6 569	3 462	4 277	16 329	16 147	5 605	7 701	1 828	6 616	132	1 845	135 389
Female	**1 211 662**	**450 613**	**65 603**	**16 502**	**32 935**	**123 097**	**8 775**	**65 973**	**6 271**	**8 946**	**3 230**	**76 296**	**8 737**	**1 029**	**760 020**
Employed in 1970	470 764	322 986	49 063	11 983	23 652	88 424	6 860	45 698	4 143	6 856	1 881	54 607	5 474	605	147 173
Professional, technical, and kindred workers	75 193	53 729	43 795	706	616	2 625	208	399	154	17	–	1 116	38	83	21 381
Managers and administrators, except farm	18 279	14 493	1 124	8 112	750	2 033	227	266	64	19	20	853	–	20	3 766
Sales workers	37 988	23 823	317	636	17 459	1 729	178	568	196	85	16	963	22	20	14 145
Clerical and kindred workers	134 007	95 892	1 963	1 475	2 237	77 798	383	2 455	458	84	22	2 668	54	124	37 991
Craftsmen and kindred workers	9 633	7 382	148	57	292	551	4 348	843	149	–	41	395	–	160	2 091
Operatives, including transport	72 423	49 086	317	192	968	1 475	827	37 525	743	116	155	2 651	180	104	23 233
Laborers, except farm	5 640	3 396	85	38	49	72	114	522	1 897	35	44	245	–	22	2 222
Farmers and farm managers	4 485	3 568	36	–	–	82	–	18	–	2 864	258	63	23	–	917
Farm laborers and farm foremen	7 364	5 263	37	–	64	98	39	21	26	3 282	1 227	99	–	–	2 101
Service workers, except private household	93 697	59 739	1 138	746	1 154	1 824	513	2 732	401	282	78	44 772	572	72	33 886
Private household workers	12 055	6 615	103	21	63	137	23	349	55	72	20	782	4 585	–	5 440
Unemployed	19 378	9 011	746	126	384	1 606	201	3 091	186	98	166	1 391	322	14	10 353
Armed Forces	68	49	20	–	–	–	–	29	–	–	–	–	–	19	–
Not in labor force	721 452	118 567	15 774	4 393	8 899	33 067	1 714	17 155	1 942	1 992	1 183	20 298	2 941	391	602 494
Negro															
Male	**23 434**	**15 650**	**644**	**192**	**162**	**493**	**2 364**	**5 926**	**2 231**	**53**	**189**	**1 160**	**20**	**1 084**	**6 700**
Employed in 1970	17 814	13 408	545	147	162	466	1 997	5 303	1 862	53	136	920	–	991	3 415
Professional, technical, and kindred workers	1 069	783	384	20	20	24	82	130	24	–	–	33	–	91	195
Managers and administrators, except farm	428	345	80	75	20	–	21	18	42	–	–	32	–	42	41
Sales workers	234	163	18	–	103	–	–	42	–	–	–	–	–	21	50
Clerical and kindred workers	730	597	38	–	–	258	37	98	32	–	–	43	–	76	57
Craftsmen and kindred workers	3 029	2 148	–	–	–	–	1 386	272	205	19	–	–	–	209	672
Operatives, including transport	8 123	6 294	–	–	19	88	374	4 449	440	14	59	67	–	417	1 412
Laborers, except farm	2 310	1 737	–	–	–	29	42	185	1 076	–	27	39	–	71	502
Farmers and farm managers	80	20	–	–	–	–	–	–	–	20	–	–	–	–	60
Farm laborers and farm foremen	43	43	–	–	–	–	–	23	–	–	20	–	–	–	–
Service workers, except private household	1 768	1 278	25	52	–	67	55	86	43	–	30	706	–	64	426
Private household workers	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Unemployed	1 242	838	43	–	–	–	262	192	112	–	–	104	–	–	404
Armed Forces	74	–	–	–	–	–	–	–	–	–	–	–	–	74	–
Not in labor force	4 304	1 404	56	45	–	27	105	431	257	–	53	136	20	19	2 881
Female	**26 231**	**10 639**	**961**	**85**	**129**	**1 181**	**169**	**2 523**	**194**	**–**	**26**	**3 344**	**816**	**63**	**15 529**
Employed in 1970	14 052	8 074	846	57	112	966	156	1 822	130	–	–	2 586	538	43	5 935
Professional, technical, and kindred workers	1 183	890	657	–	–	65	–	42	–	–	–	52	–	–	293
Managers and administrators, except farm	121	103	42	16	–	–	–	–	27	–	–	18	–	–	18
Sales workers	377	198	–	–	58	65	17	20	–	–	–	38	–	–	179
Clerical and kindred workers	2 105	1 245	30	23	31	766	–	141	–	–	–	150	–	–	860
Craftsmen and kindred workers	251	144	–	–	–	–	79	36	–	–	–	–	–	21	86
Operatives, including transport	3 540	2 017	44	–	–	17	20	1 424	–	–	–	133	39	–	1 523
Laborers, except farm	228	186	–	–	–	–	–	41	103	–	–	24	–	22	20
Farmers and farm managers	19	–	–	–	–	–	–	–	–	–	–	–	–	–	19
Farm laborers and farm foremen	52	–	–	–	–	–	–	–	–	–	–	–	–	–	52
Service workers, except private household	5 110	2 814	73	18	23	53	40	88	–	–	–	2 092	189	–	2 296
Private household workers	1 066	477	–	–	–	–	–	30	–	–	–	79	310	–	589
Unemployed	958	349	17	–	–	–	13	187	–	–	–	48	73	–	609
Armed Forces	20	20	20	–	–	–	–	–	–	–	–	–	–	–	–
Not in labor force	11 201	2 196	78	28	17	215	–	514	64	–	26	710	205	20	8 985

[1]Includes "Occupation not reported" not shown separately.

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State	Persons 25 years old and over	Occupation of workers in 1965											Armed Forces in 1965	Did not work in 1965 and work in 1965 not reported
		Total working[1]	Professional, technical, and kindred workers	Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Farm laborers and farm foremen	Service workers, except private household	Private household workers		
TOTAL—Continued															
Spanish Origin or Descent															
Male	12 561	10 278	613	433	228	430	2 165	3 390	1 034	340	222	649	–	550	1 733
Employed in 1970	10 373	9 224	590	413	183	411	2 000	3 014	863	317	188	509	–	428	721
Professional, technical, and kindred workers	865	771	503	22	–	17	46	62	20	–	–	34	–	–	94
Managers and administrators, except farm	607	569	17	307	40	19	40	66	–	–	–	20	–	38	–
Sales workers	266	266	–	–	143	20	23	58	–	–	–	–	–	–	–
Clerical and kindred workers	493	407	–	23	–	248	–	67	47	–	–	–	–	42	44
Craftsmen and kindred workers	2 600	2 269	21	–	–	20	1 559	291	139	–	–	43	–	124	207
Operatives, including transport	3 533	3 228	24	–	–	61	229	2 301	203	41	37	124	–	115	190
Laborers, except farm	910	804	–	21	–	–	43	109	454	–	21	19	–	65	41
Farmers and farm managers	365	339	–	21	–	–	–	–	–	276	42	–	–	–	26
Farm laborers and farm foremen	158	124	–	–	–	–	36	–	–	–	88	–	–	–	34
Service workers, except private household	576	447	25	19	–	26	24	60	–	–	–	269	–	44	85
Private household workers	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Unemployed	463	393	–	–	28	–	25	159	102	–	34	45	–	26	44
Armed Forces	40	–	–	–	–	–	–	–	–	–	–	–	–	40	–
Not in labor force	1 685	661	23	20	17	19	140	217	69	23	–	95	–	56	968
Female	12 723	4 906	331	157	287	1 005	59	1 255	191	62	153	819	77	44	7 773
Employed in 1970	5 347	3 449	311	135	154	646	43	920	84	40	54	543	62	21	1 877
Professional, technical, and kindred workers	442	344	224	–	–	–	–	26	–	–	–	20	–	–	98
Managers and administrators, except farm	122	122	–	79	–	21	–	–	–	–	–	–	–	–	–
Sales workers	314	210	19	19	132	19	–	–	–	–	–	–	–	–	104
Clerical and kindred workers	1 166	744	30	17	–	549	–	19	–	–	–	41	–	–	422
Craftsmen and kindred workers	177	101	–	–	–	–	43	18	26	–	–	–	–	21	55
Operatives, including transport	1 723	1 066	–	–	–	18	–	821	–	–	15	59	–	–	657
Laborers, except farm	125	105	19	20	–	–	–	–	44	–	22	–	–	–	20
Farmers and farm managers	20	20	–	–	–	–	–	–	–	20	–	–	–	–	–
Farm laborers and farm foremen	37	37	–	–	–	–	–	–	–	20	17	–	–	–	–
Service workers, except private household	1 120	646	19	–	22	39	–	36	14	–	–	411	20	–	474
Private household workers	101	54	–	–	–	–	–	–	–	–	–	12	42	–	47
Unemployed	310	192	–	–	–	21	–	96	19	–	–	56	–	–	118
Armed Forces	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Not in labor force	7 066	1 265	20	22	133	338	16	239	88	22	99	220	15	23	5 778
RESIDED SAME STATE 5 YEARS AGO															
Male	1 023 000	841 580	84 788	78 013	45 045	43 655	172 841	186 051	43 397	71 639	10 833	46 392	190	15 130	166 290
Employed in 1970	801 636	748 310	80 704	71 153	41 235	39 181	151 863	165 826	35 606	63 619	8 882	39 278	68	13 287	40 039
Professional, technical, and kindred workers	99 563	89 259	71 004	2 306	1 589	1 687	3 113	2 662	809	181	29	928	–	1 438	8 866
Managers and administrators, except farm	90 015	86 536	4 250	57 333	5 457	2 708	4 501	3 333	1 229	443	108	1 334	–	872	2 607
Sales workers	45 169	42 452	966	3 457	29 545	1 050	1 703	1 925	503	447	66	336	–	797	1 920
Clerical and kindred workers	46 278	43 271	1 379	1 685	1 150	28 393	2 012	3 303	1 095	309	211	702	–	1 186	1 821
Craftsmen and kindred workers	176 598	166 733	1 550	2 356	1 338	1 647	124 063	14 893	4 406	1 810	483	2 495	–	3 085	6 780
Operatives, including transport	180 615	169 911	785	1 807	1 183	2 004	9 947	128 988	6 093	3 604	921	2 397	–	3 942	6 762
Laborers, except farm	37 201	33 712	178	497	290	735	2 060	4 845	19 386	1 133	582	838	–	874	2 615
Farmers and farm managers	64 964	60 824	78	209	90	64	771	1 150	366	52 702	1 665	141	–	297	3 843
Farm laborers and farm foremen	8 903	7 770	36	–	23	–	197	490	116	1 915	4 503	45	–	58	1 075
Service workers, except private household	52 185	47 772	478	1 503	570	893	3 496	4 237	1 587	1 075	314	30 062	51	738	3 675
Private household workers	145	70	–	–	–	–	–	–	16	–	–	–	17	–	75
Unemployed	21 015	18 565	676	804	595	531	5 635	4 749	2 440	491	269	943	23	525	1 925
Armed Forces	500	166	44	29	–	25	38	–	9	–	–	21	–	274	60
Not in labor force	199 849	74 539	3 364	6 027	3 215	3 918	15 305	15 476	5 342	7 529	1 682	6 150	99	1 044	124 266
Female	1 120 139	422 801	58 194	15 304	31 512	115 410	8 535	63 399	6 085	8 821	3 021	72 466	8 187	734	696 604
Employed in 1970	436 954	308 134	44 755	11 469	22 971	84 604	6 697	44 457	4 041	6 810	1 740	52 334	5 238	439	128 381
Professional, technical, and kindred workers	66 352	49 119	40 074	608	616	2 358	163	379	154	17	–	1 034	38	36	17 197
Managers and administrators, except farm	16 980	13 660	1 034	7 819	717	1 819	227	217	64	19	20	743	–	20	3 300
Sales workers	35 730	23 210	270	629	17 236	1 544	178	510	196	60	16	917	–	–	12 520
Clerical and kindred workers	125 939	91 910	1 740	1 395	2 073	75 150	383	2 357	436	84	–	2 418	31	124	33 905
Craftsmen and kindred workers	9 064	7 136	90	57	276	534	4 268	826	149	–	41	353	–	115	1 813
Operatives, including transport	68 140	47 411	291	192	812	1 346	805	36 690	725	116	98	2 354	180	86	20 643
Laborers, except farm	5 231	3 254	85	38	49	72	114	503	1 856	35	22	203	–	22	1 955
Farmers and farm managers	4 341	3 463	18	–	–	60	–	18	–	2 864	258	63	–	–	878
Farm laborers and farm foremen	7 181	5 225	19	–	64	98	39	21	26	3 282	1 207	99	–	–	1 956
Service workers, except private household	86 938	57 367	1 031	710	1 086	1 530	497	2 587	380	261	58	43 426	497	36	29 535
Private household workers	11 058	6 379	103	21	42	93	23	349	55	72	20	724	4 492	–	4 679
Unemployed	17 279	8 265	658	108	384	1 455	188	2 826	186	98	166	1 247	302	14	9 000
Armed Forces	48	29	–	–	–	–	–	29	–	–	–	–	–	19	–
Not in labor force	665 858	106 373	12 781	3 727	8 157	29 351	1 650	16 087	1 858	1 913	1 115	18 885	2 647	262	559 223

[1]Includes "Occupation not reported" not shown separately.

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State	Persons 25 years old and over	Occupation of workers in 1965												Armed Forces in 1965	Did not work in 1965 and work in 1965 not reported
		Total working[1]	Professional, technical, and kindred workers	Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Farm laborers and farm foremen	Service workers, except private household	Private household workers		
RESIDED DIFFERENT STATE 5 YEARS AGO															
Male	**95 177**	**50 289**	**12 048**	**6 854**	**3 233**	**2 244**	**8 591**	**7 024**	**1 855**	**1 220**	**744**	**2 430**	**77**	**14 823**	**30 065**
Employed in 1970	73 721	43 047	10 940	6 153	2 923	1 799	7 280	5 831	1 405	1 148	565	1 898	27	12 582	18 092
Professional, technical, and kindred workers	19 879	11 883	8 781	791	129	357	314	380	223	–	22	248	–	2 103	5 893
Managers and administrators, except farm	9 951	7 805	1 000	4 176	769	283	467	354	75	59	–	116	–	1 118	1 028
Sales workers	4 759	3 192	325	390	1 625	84	167	123	57	57	–	41	–	741	826
Clerical and kindred workers	3 159	1 306	121	147	73	426	18	24	114	31	45	162	–	1 150	703
Craftsmen and kindred workers	13 187	7 697	269	412	153	202	4 754	933	232	107	23	118	27	2 836	2 654
Operatives, including transport	12 796	6 411	244	90	132	225	1 020	3 110	430	97	83	414	–	2 855	3 530
Laborers, except farm	3 087	1 443	19	44	21	95	146	561	211	61	71	78	–	609	1 035
Farmers and farm managers	2 346	1 331	76	20	–	24	123	162	–	689	84	–	–	136	879
Farm laborers and farm foremen	509	276	–	–	–	–	–	59	–	47	170	–	–	65	168
Service workers, except private household	4 048	1 703	105	83	21	103	271	125	63	–	67	721	–	969	1 376
Private household workers	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Unemployed	3 011	1 764	276	159	63	86	287	478	187	–	33	66	17	489	758
Armed Forces	1 172	129	37	–	–	–	–	44	–	–	–	–	–	951	92
Not in labor force	17 273	5 349	795	542	247	359	1 024	671	263	172	146	466	33	801	11 123
Female	**91 523**	**27 812**	**7 409**	**1 198**	**1 423**	**7 687**	**240**	**2 574**	**186**	**125**	**209**	**3 830**	**550**	**295**	**63 416**
Employed in 1970	33 810	14 852	4 308	514	681	3 820	163	1 241	102	46	141	2 273	236	166	18 792
Professional, technical, and kindred workers	8 841	4 610	3 721	98	–	267	45	20	–	–	–	82	–	47	4 184
Managers and administrators, except farm	1 299	833	90	293	33	214	–	49	–	–	–	110	–	–	466
Sales workers	2 258	613	47	7	223	185	–	58	–	25	–	46	22	20	1 625
Clerical and kindred workers	8 068	3 982	223	80	164	2 648	–	98	22	–	22	250	23	–	4 086
Craftsmen and kindred workers	569	246	58	–	16	17	80	17	–	–	–	42	–	45	278
Operatives, including transport	4 283	1 675	26	–	156	129	22	835	18	–	57	297	–	18	2 590
Laborers, except farm	409	142	–	–	–	–	–	19	41	–	22	42	–	–	267
Farmers and farm managers	144	105	18	–	–	22	–	–	–	–	–	–	23	–	39
Farm laborers and farm foremen	183	38	18	–	–	–	–	–	–	–	20	–	–	–	145
Service workers, except private household	6 759	2 372	107	36	68	294	16	145	21	21	20	1 346	75	36	4 351
Private household workers	997	236	–	–	21	44	–	–	–	–	–	58	93	–	761
Unemployed	2 099	746	88	18	–	151	13	265	–	–	–	144	20	–	1 353
Armed Forces	20	20	20	–	–	–	–	–	–	–	–	–	–	–	–
Not in labor force	55 594	12 194	2 993	666	742	3 716	64	1 068	84	79	68	1 413	294	129	43 271

[1]Includes "Occupation not reported" not shown separately.

Table 179. Occupation of Employed Persons by Education, Race, and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State

	Total	Years of school completed				
		Elementary, 8 years or less	High school		College	
			1 to 3 years	4 years	1 to 3 years	4 years or more
TOTAL						
Male employed, 16 years old and over	**1 069 205**	**213 133**	**204 783**	**393 297**	**125 971**	**132 021**
Professional, technical, and kindred workers	136 894	2 423	4 492	23 854	25 004	81 121
Engineers	21 738	380	767	4 199	4 976	11 416
Lawyers and judges	4 763	25	16	90	76	4 556
Life and physical scientists	2 766	64	109	336	301	1 956
Physicians, dentists, and related practitioners	9 994	72	43	269	430	9 180
Health workers, except practitioners	2 740	52	149	734	794	1 011
Social and recreation workers	2 740	88	157	321	333	1 841
Teachers	30 637	119	302	798	2 082	27 336
Technicians, except health	17 167	678	1 113	8 294	5 542	1 540
Writers, artists, and entertainers	9 109	225	795	2 747	2 597	2 745
Other professional, technical, and kindred workers	35 240	720	1 041	6 066	7 873	19 540
Managers and administrators, except farm	106 778	10 066	11 260	39 074	20 773	25 605
Salaried	86 599	5 655	7 701	31 082	18 000	24 161
Manufacturing	22 330	1 293	1 670	7 101	4 846	7 420
Retail trade	19 690	1 458	2 455	8 846	4 398	2 533
All other industries	44 579	2 904	3 576	15 135	8 756	14 208
Self-employed	20 179	4 411	3 559	7 992	2 773	1 444
Retail trade	11 317	2 402	2 020	4 885	1 427	583
All other industries	8 862	2 009	1 539	3 107	1 346	861
Sales workers	61 802	5 255	8 801	23 491	13 872	10 383
Manufacturing and wholesale trade	22 309	1 664	3 209	7 903	5 231	4 302
Retail trade	22 416	2 556	4 247	9 422	4 637	1 554
All other industries	17 077	1 035	1 345	6 166	4 004	4 527
Clerical and kindred workers	64 941	6 142	10 220	29 734	13 391	5 454
Bookkeepers and billing clerks	4 480	391	407	1 944	1 174	564
Mail handlers and postal clerks	9 572	578	1 258	5 784	1 699	253
Other clerical and kindred workers	50 889	5 173	8 555	22 006	10 518	4 637
Craftsmen and kindred workers	217 053	48 277	46 196	100 915	17 807	3 858
Carpenters	17 075	5 413	3 221	7 294	963	184
Construction craftsmen, except carpenters	36 985	8 540	7 950	17 432	2 783	280
Automobile mechanics, including body repairmen	19 180	4 814	4 898	8 134	1 228	106
Mechanics and repairmen, except auto	27 062	5 715	5 785	12 718	2 526	318
Machinists	12 431	2 642	2 976	5 894	872	47
Metal craftsmen, except mechanics and machinists	22 293	5 061	5 399	10 390	1 324	119
Foremen, n.e.c	33 599	5 824	6 437	15 637	3 851	1 850
Other craftsmen and kindred workers	48 428	10 268	9 530	23 416	4 260	954
Operatives, except transport	185 129	46 682	48 856	76 674	11 411	1 506
Assemblers	20 502	4 570	5 115	9 499	1 177	141
Garage workers and gas station attendants	8 986	931	4 626	2 390	975	64
Laundry and drycleaning operatives, including ironers	1 300	363	376	417	112	32
Precision machine operatives	15 563	3 709	4 213	6 601	939	101
Other operatives, except transport	138 778	37 109	34 526	57 767	8 208	1 168
Durable goods, manufacturing	72 534	20 502	18 884	28 706	3 853	589
Nondurable goods, including not specified manufacturing	43 244	10 602	9 835	19 706	2 751	350
Nonmanufacturing industries	23 000	6 005	5 807	9 355	1 604	229
Transport equipment operatives	61 175	16 515	15 685	24 617	3 881	477
Truck drivers	33 078	9 963	8 716	12 751	1 519	129
Other transport equipment operatives	28 097	6 552	6 969	11 866	2 362	348
Laborers, except farm	63 193	17 391	20 432	19 864	4 831	675
Construction laborers	9 569	3 018	2 278	3 570	630	73
Freight, stock, and material handlers	24 244	4 336	9 677	7 627	2 362	242
Other laborers, except farm	29 380	10 037	8 477	8 667	1 839	360
Manufacturing industries	14 657	5 302	3 762	4 787	676	130
Farmers and farm managers	68 549	34 259	8 641	21 773	2 881	995
Farm laborers and farm foremen	20 968	5 962	7 235	6 101	1 453	217
Service workers, except private household[1]	82 381	20 061	22 825	27 136	10 641	1 718
Cleaning service workers	28 349	10 677	8 100	7 080	2 133	359
Food service workers	21 710	3 245	9 070	5 552	3 452	391
Health service workers	3 382	512	608	1 237	830	195
Personal service workers	6 613	1 268	1 617	2 399	1 101	228
Protective service workers	17 161	2 411	2 286	9 524	2 544	396
Private household workers	342	100	140	64	26	12
Female employed, 16 years old and over	**634 424**	**83 324**	**107 802**	**288 727**	**90 525**	**64 046**
Professional, technical, and kindred workers	97 187	1 941	3 107	16 402	24 619	51 118
Registered nurses	17 110	241	395	3 893	9 611	2 970
Health workers, except nurses	8 714	300	593	2 521	2 198	3 102
Teachers, elementary and secondary schools	38 963	219	272	1 127	5 885	31 460
Technicians, except health	2 421	183	177	1 165	665	231
Other professional, technical, and kindred workers	29 979	998	1 670	7 696	6 260	13 355
Managers and administrators, except farm	19 355	2 056	2 352	9 076	3 291	2 580
Salaried	14 634	1 104	1 493	7 127	2 642	2 268
Self-employed	4 721	952	859	1 949	649	312
Sales workers	49 243	6 031	11 722	24 221	6 014	1 255
Retail trade	43 319	5 466	10 636	21 426	4 973	818
Clerical and kindred workers	201 421	6 589	22 089	130 700	35 623	6 420
Bookkeepers and cashiers	39 743	1 775	6 484	24 698	5 900	886
Office machine operators	8 952	162	738	6 796	1 136	120
Secretaries, stenographers, and typists	66 331	759	3 306	45 910	14 261	2 095
Other clerical and kindred workers	86 395	3 893	11 561	53 296	14 326	3 319
Craftsmen and kindred workers	11 652	2 439	2 323	5 623	934	333
Operatives, except transport	85 743	22 314	22 049	37 758	3 274	348
Sewers and stitchers	7 948	2 757	1 933	2 967	247	44
Laundry and drycleaning operatives, including ironers	5 097	2 090	1 468	1 321	202	16
Other operatives, except transport	72 698	17 467	18 648	33 470	2 825	288
Durable goods, manufacturing	39 418	8 635	10 346	18 941	1 399	97
Nondurable goods, including not specified manufacturing	22 719	6 089	5 516	10 235	805	74
Nonmanufacturing industries	10 561	2 743	2 786	4 294	621	117
Transport equipment operatives	3 003	512	664	1 552	225	50
Laborers, except farm	8 335	2 108	2 334	3 336	465	92
Farmers and farm managers	4 925	2 076	643	1 728	439	39
Farm laborers and farm foremen	8 674	2 750	1 930	3 325	580	89
Service workers, except private household[1]	129 456	27 763	34 314	51 570	14 266	1 543
Cleaning service workers	16 726	7 239	4 474	4 314	616	83
Food service workers	55 257	11 566	17 495	20 867	4 929	400
Health service workers	33 137	4 303	7 672	14 895	5 824	443
Practical nurses	4 651	169	443	2 030	1 965	44
Personal service workers	13 395	1 222	2 281	7 424	2 131	337
Protective service workers	1 550	195	275	902	172	6
Private household workers	15 430	6 745	4 275	3 436	795	179

[1]Includes allocated cases not shown separately.

Table 179. Occupation of Employed Persons by Education, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State

NEGRO

	Total	Years of school completed				
		Elementary, 8 years or less	High school		College	
			1 to 3 years	4 years	1 to 3 years	4 years or more
Male employed, 16 years old and over	**23 075**	**6 818**	**7 264**	**6 133**	**1 852**	**1 008**
Professional, technical, and kindred workers	1 369	34	168	267	299	601
Engineers	58	–	5	22	9	22
Lawyers and judges	14	–	–	–	–	14
Life and physical scientists	32	7	–	–	–	25
Physicians, dentists, and related practitioners	62	–	–	–	7	55
Health workers, except practitioners	79	9	–	13	33	24
Social and recreation workers	167	–	47	14	47	59
Teachers	328	–	31	24	40	233
Technicians, except health	125	–	12	48	55	10
Writers, artists, and entertainers	83	–	28	36	9	10
Other professional, technical, and kindred workers	421	18	45	110	99	149
Managers and administrators, except farm	601	48	93	180	108	172
Salaried	480	24	67	120	97	172
Manufacturing	51	12	3	13	15	8
Retail trade	168	9	23	68	42	26
All other industries	261	3	41	39	40	138
Self-employed	121	24	26	60	11	–
Retail trade	83	19	23	36	5	–
All other industries	38	5	3	24	6	–
Sales workers	424	80	112	108	91	33
Manufacturing and wholesale trade	133	43	40	16	20	14
Retail trade	176	22	72	56	26	–
All other industries	115	15	–	36	45	19
Clerical and kindred workers	1 154	184	251	391	277	51
Bookkeepers and billing clerks	39	–	4	5	30	–
Mail handlers and postal clerks	222	12	50	101	46	13
Other clerical and kindred workers	893	172	197	285	201	38
Craftsmen and kindred workers	3 878	1 278	1 236	1 072	243	49
Carpenters	50	10	9	31	–	–
Construction craftsmen, except carpenters	367	106	123	97	35	6
Automobile mechanics, including body repairmen	281	96	93	88	4	–
Mechanics and repairmen, except auto	281	51	86	95	49	–
Machinists	325	92	107	111	15	–
Metal craftsmen, except mechanics and machinists	790	323	257	181	22	7
Foremen, n.e.c	277	74	61	102	30	10
Other craftsmen and kindred workers	1 507	526	500	367	88	26
Operatives, except transport	8 395	2 639	2 882	2 391	441	42
Assemblers	708	175	250	220	49	14
Garage workers and gas station attendants	92	31	33	24	4	–
Laundry and drycleaning operatives, including ironers	110	49	28	33	–	–
Precision machine operatives	740	231	241	232	36	–
Other operatives, except transport	6 745	2 153	2 330	1 882	352	28
Durable goods, manufacturing	4 664	1 506	1 601	1 326	217	14
Nondurable goods, including not specified manufacturing	1 269	317	505	360	73	14
Nonmanufacturing industries	812	330	224	196	62	–
Transport equipment operatives	1 360	421	462	410	52	15
Truck drivers	573	148	264	128	28	5
Other transport equipment operatives	787	273	198	282	24	10
Laborers, except farm	3 284	1 332	1 186	655	103	8
Construction laborers	284	125	121	25	13	–
Freight, stock, and material handlers	794	223	328	194	49	–
Other laborers, except farm	2 206	984	737	436	41	8
Manufacturing industries	1 201	496	409	266	22	8
Farmers and farm managers	140	72	34	30	–	4
Farm laborers and farm foremen	79	7	34	21	11	6
Service workers, except private household[1]	2 360	704	798	604	227	27
Cleaning service workers	762	292	273	148	44	5
Food service workers	454	86	230	98	37	3
Health service workers	187	25	47	81	22	12
Personal service workers	249	69	58	76	39	7
Protective service workers	192	49	32	70	41	–
Private household workers	31	19	8	4	–	–
Female employed, 16 years old and over	**18 076**	**3 297**	**5 605**	**6 356**	**1 973**	**845**
Professional, technical, and kindred workers	1 756	83	254	472	258	689
Registered nurses	139	9	10	64	44	12
Health workers, except nurses	216	14	62	94	22	24
Teachers, elementary and secondary schools	658	5	51	71	66	465
Technicians, except health	43	–	–	27	11	5
Other professional, technical, and kindred workers	700	55	131	216	115	183
Managers and administrators, except farm	134	4	32	40	35	23
Salaried	107	–	14	40	30	23
Self-employed	27	4	18	–	5	–
Sales workers	470	56	149	174	87	4
Retail trade	315	26	112	125	48	4
Clerical and kindred workers	3 908	142	727	2 069	907	63
Bookkeepers and cashiers	339	17	66	174	71	11
Office machine operators	395	5	30	258	97	5
Secretaries, stenographers, and typists	825	26	78	422	271	28
Other clerical and kindred workers	2 349	94	553	1 215	468	19
Craftsmen and kindred workers	303	48	90	122	37	6
Operatives, except transport	4 053	854	1 510	1 460	220	9
Sewers and stitchers	255	57	98	82	18	–
Laundry and drycleaning operatives, including ironers	535	180	222	106	27	–
Other operatives, except transport	3 263	617	1 190	1 272	175	9
Durable goods, manufacturing	1 686	238	629	717	102	–
Nondurable goods, including not specified manufacturing	986	280	286	363	57	–
Nonmanufacturing industries	591	99	275	192	16	9
Transport equipment operatives	77	35	25	13	4	–
Laborers, except farm	335	85	101	115	34	–
Farmers and farm managers	59	26	–	21	12	–
Farm laborers and farm foremen	63	16	38	4	5	–
Service workers, except private household[1]	5 889	1 425	2 377	1 677	368	42
Cleaning service workers	1 217	434	534	214	28	7
Food service workers	1 097	264	463	303	55	12
Health service workers	2 251	295	949	800	201	6
Practical nurses	200	–	34	85	75	6
Personal service workers	369	57	123	133	56	–
Protective service workers	47	11	21	15	–	–
Private household workers	1 029	523	302	189	6	9

[1]Includes allocated cases not shown separately.

Table 179. Occupation of Employed Persons by Education, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State

	Total	Years of school completed				
		Elementary, 8 years or less	High school		College	
			1 to 3 years	4 years	1 to 3 years	4 years or more
PERSONS OF SPANISH LANGUAGE						
Male employed, 16 years old and over	**8 840**	**3 301**	**1 772**	**1 974**	**836**	**957**
Professional, technical, and kindred workers	1 054	23	33	159	157	682
Engineers	127	–	6	11	28	82
Lawyers and judges	11	–	–	–	–	11
Life and physical scientists	48	–	13	9	–	26
Physicians, dentists, and related practitioners	135	–	–	7	7	121
Health workers, except practitioners	37	–	–	9	11	17
Social and recreation workers	37	16	7	–	–	14
Teachers	276	–	–	8	16	252
Technicians, except health	87	–	–	58	29	–
Writers, artists, and entertainers	67	–	7	23	18	19
Other professional, technical, and kindred workers	229	7	–	34	48	140
Managers and administrators, except farm	420	58	48	108	97	109
Salaried	324	38	30	65	97	94
Manufacturing	111	13	–	21	32	45
Retail trade	56	10	–	29	17	–
All other industries	157	15	30	15	48	49
Self-employed	96	20	18	43	–	15
Retail trade	75	20	18	22	–	15
All other industries	21	–	–	21	–	–
Sales workers	340	32	12	109	104	83
Manufacturing and wholesale trade	122	6	7	30	42	37
Retail trade	129	26	–	58	33	12
All other industries	89	–	5	21	29	34
Clerical and kindred workers	513	90	81	177	124	41
Bookkeepers and billing clerks	8	–	–	–	8	–
Mail handlers and postal clerks	74	5	16	41	4	8
Other clerical and kindred workers	431	85	65	136	112	33
Craftsmen and kindred workers	1 608	653	388	412	134	21
Carpenters	30	12	–	18	–	–
Construction craftsmen, except carpenters	265	79	73	58	55	–
Automobile mechanics, including body repairmen	114	62	11	23	18	–
Mechanics and repairmen, except auto	179	55	55	61	–	8
Machinists	175	62	73	40	–	–
Metal craftsmen, except mechanics and machinists	262	149	45	54	14	–
Foremen, n.e.c	194	60	38	59	31	6
Other craftsmen and kindred workers	389	174	93	99	16	7
Operatives, except transport	2 960	1 508	692	656	96	8
Assemblers	312	146	95	71	–	–
Garage workers and gas station attendants	24	–	14	10	–	–
Laundry and drycleaning operatives, including ironers	13	5	–	8	–	–
Precision machine operatives	366	195	79	72	20	–
Other operatives, except transport	2 245	1 162	504	495	76	8
Durable goods, manufacturing	1 375	700	302	312	61	–
Nondurable goods, including not specified manufacturing	678	369	135	151	15	8
Nonmanufacturing industries	192	93	67	32	–	–
Transport equipment operatives	431	199	116	85	24	7
Truck drivers	180	79	50	34	17	–
Other transport equipment operatives	251	120	66	51	7	7
Laborers, except farm	699	426	169	92	12	–
Construction laborers	32	24	4	4	–	–
Freight, stock, and material handlers	168	92	37	31	8	–
Other laborers, except farm	499	310	128	57	4	–
Manufacturing industries	368	259	84	25	–	–
Farmers and farm managers	26	–	14	–	12	–
Farm laborers and farm foremen	153	92	35	6	20	–
Service workers, except private household[1]	625	220	173	170	56	6
Cleaning service workers	269	114	78	55	22	–
Food service workers	165	65	53	47	–	–
Health service workers	18	6	6	6	–	–
Personal service workers	72	14	36	16	–	6
Protective service workers	74	–	–	40	34	–
Private household workers	11	–	11	–	–	–
Female employed, 16 years old and over	**4 203**	**968**	**924**	**1 469**	**540**	**302**
Professional, technical, and kindred workers	537	16	14	137	143	227
Registered nurses	99	–	–	17	62	20
Health workers, except nurses	20	–	14	–	–	6
Teachers, elementary and secondary schools	188	9	–	39	23	117
Technicians, except health	40	–	–	15	25	–
Other professional, technical, and kindred workers	190	7	–	66	33	84
Managers and administrators, except farm	103	5	24	14	49	11
Salaried	92	–	18	14	49	11
Self-employed	11	5	6	–	–	–
Sales workers	192	13	85	79	15	–
Retail trade	164	13	77	74	–	–
Clerical and kindred workers	1 135	59	169	652	219	36
Bookkeepers and cashiers	145	5	29	97	14	–
Office machine operators	71	–	9	54	8	–
Secretaries, stenographers, and typists	324	12	31	192	77	12
Other clerical and kindred workers	595	42	100	309	120	24
Craftsmen and kindred workers	81	33	6	35	–	7
Operatives, except transport	1 027	443	313	237	27	7
Sewers and stitchers	122	76	26	7	6	7
Laundry and drycleaning operatives, including ironers	37	9	22	6	–	–
Other operatives, except transport	868	358	265	224	21	–
Durable goods, manufacturing	542	185	202	148	7	–
Nondurable goods, including not specified manufacturing	249	138	63	34	14	–
Nonmanufacturing industries	77	35	–	42	–	–
Transport equipment operatives	6	–	–	6	–	–
Laborers, except farm	87	51	12	18	6	–
Farmers and farm managers	–	–	–	–	–	–
Farm laborers and farm foremen	37	28	9	–	–	–
Service workers, except private household[1]	926	289	277	274	72	14
Cleaning service workers	211	119	43	41	8	–
Food service workers	212	54	68	69	21	–
Health service workers	297	65	89	107	36	–
Practical nurses	29	22	7	–	–	–
Personal service workers	105	8	54	36	7	–
Protective service workers	9	–	–	9	–	–
Private household workers	72	31	15	17	9	–

[1]Includes allocated cases not shown separately.

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
THE STATE												
Total employed	**1 703 629**	**111 086**	**2 952**	**85 768**	**528 407**	**24 895**	**8 587**	**23 527**	**7 617**	**42 904**	**109 076**	**50 476**
Professional, technical, and kindred workers	**234 081**	**2 127**	**132**	**2 749**	**44 611**	**609**	**394**	**1 649**	**325**	**2 827**	**12 061**	**8 321**
Accountants	14 322	45	36	314	4 696	132	41	206	42	411	1 027	656
Architects	776	72	–	36	16	–	–	5	–	6	–	–
Computer specialists	3 798	4	5	29	1 676	41	12	74	12	105	506	399
Engineers	22 077	78	31	1 236	14 549	117	98	599	125	956	5 246	3 714
Chemical	555	11	–	–	456	–		19	5	15	33	78
Civil	2 731	17	–	887	258	–	29	19	–	24	64	13
Electrical and electronic	4 516	4	–	28	2 953	–	4	28	9	81	422	2 126
Industrial	4 190	4	–	12	3 544	76	17	210	70	270	1 195	564
Mechanical	4 127	5	14	118	3 388	14	28	83	–	232	1 824	323
Other engineers	5 958	37	17	191	3 950	27	20	240	41	334	1 708	610
Mathematical specialists	447	–	–	5	88	–	–	–	–	–	22	25
Life and physical scientists	3 181	294	10	32	1 291	9	22	59	27	25	67	82
Chemists	1 737	10	–	8	1 154	9	17	59	21	20	67	57
Personnel and labor relations workers	4 123	12	5	56	1 660	48	19	71	20	109	407	304
Social scientists	1 782	–	–	21	497	6	–	3	–	26	122	92
Engineering and science technicians	17 455	431	28	728	11 008	155	123	467	65	791	3 133	2 268
Draftsmen	6 837	21	15	311	4 569	117	49	153	35	475	2 249	726
Electrical and electronic engineering technicians	2 397	–	–	34	1 637	15	3	12	–	23	189	1 180
Industrial and mechanical engineering technicians	806	–	–	10	731	11	4	54	–	67	205	101
Technicians, except health, and engineering and science	2 133	21	–	43	397	–	5	6	5	23	141	42
Writers, artists, and entertainers	13 342	102	6	105	4 756	38	33	16	15	142	647	363
Other professional, technical, and kindred workers	150 645	1 068	11	144	3 977	63	41	143	14	233	743	376
Managers and administrators, except farm	**126 133**	**565**	**242**	**7 493**	**24 965**	**1 034**	**661**	**717**	**325**	**2 344**	**4 893**	**2 022**
Buyers, purchasing agents, and sales managers	15 763	9	27	264	5 059	184	52	101	67	428	1 174	560
Other managers and administrators	110 370	556	215	7 229	19 906	850	609	616	258	1 916	3 719	1 462
Salaried	86 302	301	163	4 799	18 440	672	529	601	246	1 826	3 542	1 418
Self-employed	24 068	255	52	2 430	1 466	178	80	15	12	90	177	44
Sales workers	**111 045**	**290**	**54**	**809**	**12 342**	**395**	**230**	**189**	**144**	**652**	**1 426**	**514**
Clerical and kindred workers	**266 362**	**1 083**	**187**	**5 381**	**64 704**	**2 016**	**811**	**2 551**	**663**	**5 354**	**14 880**	**7 060**
Bookkeepers	28 580	249	60	1 496	5 351	282	105	155	48	407	846	385
Cashiers	16 509	14	–	5	123	–	–	–	–	15	10	9
Estimators and investigators, n.e.c	4 205	6	–	789	911	46	29	58	9	107	181	62
Office machine operators	11 205	19	8	68	4 078	66	36	137	44	316	1 141	585
Shipping and receiving clerks	9 294	15	–	66	6 477	324	52	276	66	775	1 356	666
Stock clerks and storekeepers	10 164	4	8	117	5 128	128	60	250	36	445	1 676	640
Other clerical and kindred workers	186 405	776	111	2 840	42 636	1 170	529	1 675	460	3 289	9 670	4 713
Craftsmen and kindred workers	**228 705**	**705**	**663**	**50 259**	**103 069**	**4 245**	**1 420**	**6 920**	**2 020**	**8 624**	**24 304**	**7 562**
Blacksmiths, forgemen, hammermen, and boilermakers	1 247	10	–	83	770	6	–	296	6	100	168	4
Brickmasons and stonemasons	3 583	–	9	3 094	289	15	41	110	5	47	26	–
Carpenters	17 307	132	17	13 160	1 967	437	47	83	39	94	221	45
Cranemen, derrickmen, and hoistmen	3 935	17	49	771	2 642	143	69	481	126	144	1 077	27
Electricians	9 452	11	6	4 465	3 247	59	14	165	55	217	849	354
Excavating, grading, and road machine operators	5 444	67	150	4 189	504	147	37	18	5	21	46	8
Foremen, n.e.c	36 019	114	152	2 896	24 228	1 118	477	1 570	455	2 127	4 868	2 253
Mechanics and repairmen	47 188	151	146	2 079	13 897	384	306	643	122	973	3 286	1 025
Automobile, including body	19 454	24	30	328	1 858	29	53	90	10	40	175	33
Machinists, job setters, and toolmakers	22 628	15	15	128	21 214	198	91	808	595	2 604	10 146	2 288
Metal craftsmen, except mechanics and machinists	11 887	7	26	1 910	9 469	141	43	2 159	444	1 182	2 029	711
Painters, construction and maintenance, and plasterers and paperhangers	6 569	40	–	3 878	1 368	90	19	24	5	178	358	146
Plumbers and pipe fitters	8 050	10	4	4 998	1 586	20	4	82	31	95	224	72
Printing craftsmen	10 073	5	–	17	9 276	17	16	13	–	166	155	95
Stationary engineers and power station operators	3 885	–	22	72	1 295	34	13	76	13	99	205	64
Other craftsmen and kindred workers	41 438	126	67	8 519	11 317	1 436	243	392	119	577	646	470
Operatives, except transport	**270 872**	**506**	**1 040**	**4 139**	**220 579**	**10 711**	**3 148**	**8 303**	**3 396**	**18 937**	**43 515**	**22 338**
Assemblers	35 215	11	–	124	34 100	1 434	209	298	266	2 584	9 944	7 589
Checkers, examiners, and inspectors; manufacturing	17 145	–	–	–	17 145	438	313	520	242	1 606	3 933	3 152
Filers, polishers, sanders, and buffers	3 355	6	4	36	3 068	587	78	57	127	784	615	204
Painters, manufactured articles	3 319	–	–	–	3 075	215	66	42	35	483	786	353
Precision machine operatives	17 416	23	9	68	16 848	328	107	1 440	294	1 479	9 364	1 386
Welders and flamecutters	16 953	42	51	928	14 178	135	103	828	138	2 548	5 369	848
Other specified operatives	100 141	206	970	2 122	63 451	3 747	732	1 700	971	4 526	4 538	3 883
Machine operatives, miscellaneous specified	33 638	84	–	377	30 975	1 576	666	1 619	799	1 794	2 439	1 529
Machine operatives, not specified	17 515	43	–	173	16 094	782	277	634	220	1 508	4 065	1 293
Miscellaneous operatives	15 422	74	6	191	12 243	917	403	655	129	872	1 188	1 191
Not specified operatives	10 753	17	–	120	9 402	552	194	510	175	753	1 274	910

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
THE STATE—Continued												
Total employed—Continued												
Transport equipment operatives	**64 178**	**376**	**446**	**3 875**	**18 436**	**1 210**	**1 085**	**716**	**185**	**1 155**	**2 102**	**519**
Deliverymen and routemen	11 546	71	13	128	2 822	76	96	24	5	38	100	10
Truck drivers	33 569	271	399	3 228	8 353	667	909	356	71	540	885	238
Other transport equipment operatives	19 063	34	34	519	7 261	467	80	336	109	577	1 117	271
Laborers, except farm	**71 528**	**1 949**	**136**	**10 049**	**26 748**	**4 063**	**615**	**1 825**	**351**	**2 146**	**3 722**	**1 088**
Freight, stock, and material handlers	28 254	20	82	311	9 491	1 083	198	342	80	745	1 379	585
Other specified laborers	24 893	1 692	21	9 712	5 460	2 047	64	93	32	231	501	91
Miscellaneous laborers	4 681	163	14	5	2 771	75	15	741	88	386	615	83
Not specified laborers	13 700	74	19	21	9 026	858	338	649	151	784	1 227	329
Farm workers	**103 116**	**103 116**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Service workers, including private household	**227 609**	**369**	**52**	**1 014**	**12 953**	**612**	**223**	**657**	**208**	**865**	**2 173**	**1 052**
Cleaning service workers	45 075	236	32	464	8 430	383	137	451	158	621	1 564	679
Personal service workers	20 008	32	4	13	395	12	16	4	5	47	9	42
Guards and watchmen	5 220	22	11	346	1 936	148	52	135	34	97	397	144
Other service workers, including private household	157 306	79	5	191	2 192	69	18	67	11	100	203	187
Female employed	**634 424**	**15 484**	**212**	**4 766**	**130 602**	**5 816**	**1 918**	**2 262**	**1 435**	**10 232**	**17 462**	**18 930**
Professional, technical, and kindred workers	**97 187**	**125**	**6**	**172**	**5 066**	**82**	**49**	**158**	**14**	**246**	**576**	**724**
Accountants	3 989	6	–	79	1 062	21	5	40	9	103	123	221
Computer specialists	630	–	–	16	172	5	–	6	–	4	44	41
Life and physical scientists	415	27	–	–	86	–	–	12	–	–	7	6
Registered nurses, dietitians, and therapists	19 902	–	–	–	481	6	5	40	–	36	159	51
Social scientists	288	–	–	–	26	–	–	–	–	–	12	–
Writers, artists, and entertainers	4 233	44	–	21	1 152	5	13	–	–	12	23	33
Other professional, technical, and kindred workers	67 730	48	6	56	2 087	45	26	60	5	91	208	372
Managers and administrators, except farm	**19 355**	**67**	**–**	**212**	**1 276**	**20**	**36**	**19**	**18**	**71**	**186**	**92**
Salaried	14 634	13	–	163	1 119	20	24	19	18	71	186	92
Self-employed	4 721	54	–	49	157	–	12	–	–	–	–	–
Sales workers	**49 243**	**52**	**–**	**103**	**1 124**	**17**	**8**	**14**	**–**	**33**	**61**	**58**
Clerical and kindred workers	**201 421**	**924**	**126**	**3 380**	**40 651**	**1 255**	**473**	**1 368**	**392**	**3 130**	**8 484**	**4 746**
Bookkeepers	24 330	231	43	1 192	4 293	239	79	101	41	309	663	298
Cashiers	15 413	14	–	–	102	–	–	–	–	15	10	9
Counter clerks, except food	2 604	–	–	11	533	6	–	5	–	15	77	42
File clerks	4 147	21	–	4	1 202	12	–	29	7	178	436	152
Office machine operators	8 952	14	8	40	3 038	61	32	94	33	213	833	441
Bookkeeping and billing machine operators	1 271	–	–	5	177	6	5	–	5	24	56	9
Receptionists	6 971	68	–	86	857	71	18	44	14	61	155	40
Secretaries	46 477	250	50	1 032	11 000	310	177	336	137	859	2 539	1 311
Stenographers	3 609	10	–	57	960	34	26	52	7	74	291	149
Typists	16 245	87	–	149	4 092	104	23	125	27	299	954	668
Other clerical and kindred workers	72 673	229	25	809	14 574	418	118	582	126	1 107	2 526	1 636
Craftsmen and kindred workers	**11 652**	**53**	**–**	**488**	**6 530**	**336**	**67**	**140**	**102**	**270**	**591**	**826**
Foremen, n.e.c	2 420	5	–	27	1 392	36	16	28	4	48	78	218
Operatives, except transport	**85 743**	**147**	**56**	**136**	**69 726**	**3 442**	**1 180**	**421**	**820**	**5 723**	**6 911**	**11 829**
Assemblers	14 713	5	–	23	14 221	662	136	39	158	1 523	2 575	5 091
Checkers, examiners, and inspectors; manufacturing	6 672	–	–	–	6 672	200	217	19	73	741	797	1 533
Packers and wrappers, except meat and produce	8 025	60	–	20	5 909	165	181	11	71	392	309	409
Other operatives, except transport	56 333	82	56	93	42 924	2 415	646	352	518	3 067	3 230	4 796
Transport equipment operatives	**3 003**	**10**	**19**	**38**	**391**	**29**	**28**	**30**	**–**	**38**	**26**	**28**
Laborers, except farm	**8 335**	**340**	**–**	**118**	**3 592**	**547**	**62**	**62**	**54**	**560**	**321**	**381**
Farm workers	**13 599**	**13 599**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Service workers, including private household	**144 886**	**167**	**5**	**119**	**2 246**	**88**	**15**	**50**	**35**	**161**	**306**	**246**
Cleaning service workers	16 726	102	–	105	1 174	63	10	35	24	92	191	113
Personal service workers	13 395	17	–	–	114	–	5	–	5	4	–	9
Other service workers, including private household	114 765	48	5	14	958	25	–	15	6	65	115	124

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas of 250,000 or More

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
THE STATE													
Total employed	**33 038**	**518**	**6 853**	**6 098**	**32 444**	**50 719**	**6 895**	**7 404**	**41 359**	**28 392**	**11 527**	**11 550**	**24 528**
Professional, technical, and kindred workers	**2 055**	**38**	**315**	**375**	**2 593**	**2 465**	**319**	**235**	**3 268**	**3 393**	**1 700**	**518**	**1 151**
Accountants	289	7	56	55	164	457	65	31	476	216	124	83	158
Architects	–	–	–	–	–	–	5	–	–	–	–	–	–
Computer specialists	69	–	10	15	78	75	20	4	95	77	15	5	64
Engineers	862	17	88	124	684	395	36	51	651	111	261	216	198
Chemical	6	–	–	4	4	44	–	–	82	9	139	9	9
Civil	15	–	6	–	9	31	–	7	24	–	–	–	17
Electrical and electronic	50	5	–	6	111	33	–	–	54	6	6	9	3
Industrial	302	–	29	50	177	138	13	23	137	67	52	72	82
Mechanical	378	–	35	59	126	73	9	–	116	5	10	58	15
Other engineers	111	12	18	5	257	76	14	21	238	24	54	68	72
Mathematical specialists	–	–	–	–	–	–	–	–	21	–	10	–	10
Life and physical scientists	40	–	–	5	50	252	4	8	165	19	386	26	45
Chemists	40	–	–	5	40	230	4	8	156	19	334	23	45
Personnel and labor relations workers	65	–	9	19	55	156	28	4	160	48	57	25	56
Social scientists	43	–	–	–	14	85	5	4	35	20	15	6	21
Engineering and science technicians	388	9	95	87	504	709	59	34	1 181	83	604	122	131
Draftsmen	187	6	81	9	165	35	5	30	103	22	31	51	40
Electrical and electronic engineering technicians	31	–	4	5	117	5	7	–	16	10	4	–	16
Industrial and mechanical engineering technicians	114	3	5	–	33	26	14	–	53	11	22	8	–
Technicians, except health, and engineering and science	6	5	–	7	31	22	–	5	56	5	23	6	9
Writers, artists, and entertainers	69	–	32	15	163	98	66	71	170	2 727	35	9	47
Other professional, technical, and kindred workers	224	–	25	48	850	216	31	23	258	87	170	20	412
Managers and administrators, except farm	**735**	**24**	**307**	**103**	**1 484**	**3 370**	**237**	**342**	**1 701**	**2 027**	**983**	**574**	**1 082**
Buyers, purchasing agents, and sales managers	142	5	90	27	210	712	43	72	279	469	188	99	157
Other managers and administrators	593	19	217	76	1 274	2 658	194	270	1 422	1 558	795	475	925
Salaried	588	19	186	76	1 171	2 358	175	202	1 389	1 360	760	464	858
Self-employed	5	–	31	–	103	300	19	68	33	198	35	11	67
Sales workers	**206**	**4**	**30**	**18**	**689**	**1 656**	**127**	**246**	**546**	**2 861**	**1 084**	**168**	**1 157**
Clerical and kindred workers	**3 010**	**50**	**658**	**329**	**4 162**	**5 641**	**765**	**673**	**5 088**	**5 470**	**1 536**	**1 181**	**2 806**
Bookkeepers	144	10	68	30	289	1 118	78	96	300	514	121	129	226
Cashiers	23	–	–	6	10	21	–	5	5	4	–	–	15
Estimators and investigators, n.e.c	53	–	6	6	83	14	9	19	72	113	16	9	19
Office machine operators	242	3	35	24	169	283	34	33	355	232	110	61	172
Shipping and receiving clerks	238	–	76	18	246	616	122	125	577	305	136	248	255
Stock clerks and storekeepers	529	4	49	23	236	209	32	26	456	61	85	87	96
Other clerical and kindred workers	1 781	33	424	222	3 129	3 380	490	369	3 323	4 241	1 068	647	2 023
Craftsmen and kindred workers	**7 358**	**149**	**2 475**	**1 440**	**5 787**	**6 636**	**807**	**496**	**7 236**	**9 337**	**1 521**	**1 657**	**3 075**
Blacksmiths, forgemen, hammermen, and boilermakers	14	–	59	47	–	12	–	–	29	8	10	–	11
Brickmasons and stonemasons	14	–	–	6	–	6	–	–	14	5	–	–	–
Carpenters	100	6	586	40	30	32	21	–	80	10	53	13	30
Cranemen, derrickmen, and hoistmen	260	–	10	15	27	14	–	–	230	–	14	–	5
Electricians	418	–	113	44	84	203	19	5	464	58	68	42	16
Excavating, grading, and road machine operators	5	–	–	–	15	52	4	5	123	–	18	–	–
Foremen, n.e.c	1 839	21	319	334	862	2 409	326	199	2 188	930	555	628	750
Mechanics and repairmen	1 724	20	264	505	544	1 452	230	48	1 190	296	358	311	216
Automobile, including body	1 140	–	16	9	16	152	–	–	29	41	20	5	–
Machinists, job setters, and toolmakers	1 645	60	283	199	562	358	67	16	567	47	141	355	184
Metal craftsmen, except mechanics and machinists	582	29	344	88	563	98	23	–	908	35	15	41	34
Painters, construction and maintenance, and plasterers and paperhangers	194	–	82	17	107	26	–	3	54	23	15	27	–
Plumbers and pipe fitters	186	–	129	61	48	89	–	–	364	20	117	30	14
Printing craftsmen	27	–	11	8	53	97	54	16	650	7 783	40	36	39
Stationary engineers and power station operators	84	–	18	23	35	294	5	–	172	43	63	10	44
Other craftsmen and kindred workers	266	13	257	53	2 857	1 494	58	204	203	79	54	164	1 732
Operatives, except transport	**16 057**	**220**	**2 436**	**3 123**	**14 523**	**19 425**	**4 177**	**5 126**	**18 522**	**3 767**	**3 402**	**6 494**	**12 959**
Assemblers	6 569	36	551	450	2 046	303	38	24	242	210	349	501	457
Checkers, examiners, and inspectors; manufacturing	1 424	27	111	666	648	747	264	350	551	233	218	776	926
Filers, polishers, sanders, and buffers	213	–	54	7	151	11	–	–	31	11	8	72	58
Painters, manufactured articles	471	6	62	12	196	37	9	14	85	26	18	95	64
Precision machine operatives	901	45	264	376	446	63	18	6	124	23	41	49	94
Welders and flamecutters	2 897	17	424	95	281	127	4	–	185	5	44	42	88
Other specified operatives	1 438	9	350	308	8 180	8 797	3 844	4 164	5 268	957	890	966	8 183
Machine operatives, miscellaneous specified	502	16	136	377	874	5 778	–	245	7 042	765	874	2 619	1 325
Machine operatives, not specified	691	42	138	565	538	691	–	45	2 504	742	402	583	374
Miscellaneous operatives	651	–	233	151	802	1 148	–	203	1 133	664	337	469	1 097
Not specified operatives	300	22	113	116	361	1 723	–	75	1 357	131	221	322	293

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
THE STATE—Continued													
Total employed—Continued													
Transport equipment operatives	1 341	4	193	155	739	5 508	73	22	1 702	561	389	166	611
Deliverymen and routemen	23	–	6	11	50	2 103	16	–	4	162	57	9	32
Truck drivers	480	4	130	59	177	2 511	44	22	506	301	222	74	157
Other transport equipment operatives	838	–	57	85	512	894	13	–	1 192	98	110	83	422
Laborers, except farm	1 355	11	324	336	1 419	4 357	251	166	2 216	487	497	516	1 003
Freight, stock, and material handlers	671	–	82	87	165	1 925	167	117	949	266	199	189	262
Other specified laborers	120	–	33	19	892	541	–	2	211	33	107	39	404
Miscellaneous laborers	117	5	24	65	35	186	5	6	180	33	28	45	39
Not specified laborers	447	6	185	165	327	1 705	79	41	876	155	163	243	298
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	921	18	115	219	1 048	1 661	139	98	1 080	489	415	276	684
Cleaning service workers	643	18	83	126	406	1 101	109	84	784	377	226	216	264
Personal service workers	18	–	6	–	15	84	–	–	18	26	12	21	60
Guards and watchmen	213	–	20	60	53	112	30	5	166	52	126	27	65
Other service workers, including private household	47	–	6	33	574	364	–	9	112	34	51	12	295
Female employed	3 436	69	979	2 066	10 691	10 973	4 185	6 023	7 002	8 936	2 867	4 421	10 899
Professional, technical, and kindred workers	109	6	25	128	235	537	91	98	399	1 078	296	55	160
Accountants	18	–	15	23	41	152	23	10	113	63	29	21	32
Computer specialists	–	–	5	5	28	11	–	–	–	15	4	–	4
Life and physical scientists	7	–	–	–	4	20	–	–	–	–	30	–	–
Registered nurses, dietitians, and therapists	35	–	5	17	4	29	6	–	58	–	6	10	14
Social scientists	–	–	–	–	–	–	5	–	4	5	–	–	–
Writers, artists, and entertainers	–	–	–	–	16	5	41	46	22	932	4	–	–
Other professional, technical, and kindred workers	49	6	–	83	142	320	16	42	202	63	223	24	110
Managers and administrators, except farm	7	–	20	–	87	183	28	96	42	202	49	38	82
Salaried	7	–	20	–	82	135	19	75	42	170	44	38	57
Self-employed	–	–	–	–	5	48	9	21	–	32	5	–	25
Sales workers	18	–	–	–	99	225	24	59	19	311	85	7	86
Clerical and kindred workers	1 355	31	366	229	2 915	3 940	552	528	2 940	4 164	1 058	695	2 030
Bookkeepers	82	5	56	21	258	869	61	87	223	499	102	100	200
Cashiers	18	–	–	6	–	15	–	5	5	4	–	–	15
Counter clerks, except food	18	–	4	–	31	51	4	9	66	160	4	6	35
File clerks	35	–	15	–	59	17	15	9	86	87	29	4	32
Office machine operators	174	3	25	14	146	223	28	33	231	164	81	61	148
Bookkeeping and billing machine operators	–	–	5	–	5	21	6	–	12	17	–	–	6
Receptionists	15	–	13	4	53	100	15	–	66	119	25	12	32
Secretaries	417	17	104	117	649	1 188	110	101	946	776	376	220	310
Stenographers	20	–	5	4	43	71	–	7	91	24	38	10	14
Typists	179	6	53	5	178	184	38	26	213	741	117	39	113
Other clerical and kindred workers	397	–	91	58	1 498	1 222	281	251	1 013	1 590	286	243	1 131
Craftsmen and kindred workers	172	–	162	102	477	368	131	278	209	1 185	63	194	857
Foremen, n.e.c.	36	–	16	25	113	173	62	147	91	121	26	40	114
Operatives, except transport	1 609	32	361	1 457	6 387	4 915	3 240	4 830	3 102	1 723	1 138	3 292	7 314
Assemblers	751	7	104	250	1 506	163	30	19	128	164	243	356	316
Checkers, examiners, and inspectors; manufacturing	175	4	12	411	372	188	209	350	206	154	120	385	506
Packers and wrappers, except meat and produce	49	–	–	21	331	2 181	203	165	742	144	159	189	187
Other operatives, except transport	634	21	245	775	4 178	2 383	2 798	4 296	2 026	1 261	616	2 362	6 305
Transport equipment operatives	47	–	5	–	11	55	–	5	19	51	4	–	15
Laborers, except farm	48	–	23	106	240	355	86	99	133	137	87	105	186
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	71	–	17	44	240	395	33	30	139	85	87	35	169
Cleaning service workers	50	–	17	6	96	185	33	25	74	35	40	23	62
Personal service workers	–	–	–	–	10	18	–	–	5	26	7	–	25
Other service workers, including private household	21	–	–	38	134	192	–	5	60	24	40	12	82

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
THE STATE													
Total employed	11 172	23 095	12 002	18 486	24 130	59 526	47 859	43 626	34 644	64 724	89 103	27 113	37 524
Professional, technical, and kindred workers	200	194	651	2 708	2 219	2 706	901	204	337	421	3 641	1 703	1 497
Accountants	39	94	26	208	303	598	243	94	201	58	280	526	741
Architects	–	–	–	–	5	–	–	–	–	–	9	–	4
Computer specialists	–	20	–	90	62	205	77	9	–	–	31	403	202
Engineers	86	20	146	785	854	812	36	19	29	6	122	104	43
Chemical	–	–	–	–	17	9	–	–	–	–	–	–	4
Civil	53	–	21	42	140	15	–	–	5	–	10	16	13
Electrical and electronic	10	–	–	678	433	73	–	–	–	–	30	–	–
Industrial	4	6	9	24	28	109	19	9	–	–	17	73	10
Mechanical	19	5	116	–	100	76	–	–	–	–	21	4	5
Other engineers	–	9	–	41	136	530	17	10	24	6	44	11	11
Mathematical specialists	–	–	–	13	9	5	–	–	–	–	–	150	5
Life and physical scientists	–	–	–	5	49	59	8	4	–	–	13	–	5
Chemists	–	–	–	–	43	29	8	4	–	–	8	–	–
Personnel and labor relations workers	30	25	12	73	54	122	205	28	11	22	102	89	89
Social scientists	–	–	–	40	34	86	–	–	–	–	30	54	52
Engineering and science technicians	26	6	27	387	395	359	35	–	14	5	130	25	8
Draftsmen	16	–	5	98	187	111	–	–	5	–	79	10	4
Electrical and electronic engineering technicians	5	–	7	221	97	58	25	–	–	–	22	5	–
Industrial and mechanical engineering technicians	–	–	–	5	4	27	5	–	–	5	–	–	–
Technicians, except health, and engineering and science	2	–	399	116	68	15	9	–	24	5	13	31	–
Writers, artists, and entertainers	–	12	5	901	102	220	203	26	23	299	383	56	88
Other professional, technical, and kindred workers	17	17	36	90	284	225	85	24	35	26	2 528	265	260
Managers and administrators, except farm	1 270	1 702	927	1 515	1 241	8 751	5 104	6 174	7 075	7 627	13 176	2 414	7 270
Buyers, purchasing agents, and sales managers	32	84	48	99	114	2 385	2 335	1 107	556	114	2 113	364	147
Other managers and administrators	1 238	1 618	879	1 416	1 127	6 366	2 769	5 067	6 519	7 513	11 063	2 050	7 123
Salaried	1 238	1 306	756	1 397	1 068	5 328	2 292	2 974	3 620	2 951	6 787	1 908	6 723
Self-employed	–	312	123	19	59	1 038	477	2 093	2 899	4 562	4 276	142	400
Sales workers	50	217	129	424	389	11 722	23 214	6 931	4 574	712	30 304	9 050	5 743
Clerical and kindred workers	1 855	2 802	1 766	7 922	4 184	12 525	10 499	11 787	3 242	1 820	13 755	13 086	18 798
Bookkeepers	50	334	148	298	448	2 416	1 035	701	1 590	386	4 107	855	2 932
Cashiers	45	36	14	120	127	151	2 472	8 706	167	895	1 691	136	247
Estimators and investigators, n.e.c	5	70	9	102	80	110	313	34	43	10	54	269	445
Office machine operators	115	125	28	283	125	615	467	92	54	28	155	856	1 393
Shipping and receiving clerks	35	286	53	11	23	1 080	545	75	30	20	261	37	19
Stock clerks and storekeepers	162	95	8	54	189	730	788	842	132	48	598	48	26
Other clerical and kindred workers	1 443	1 856	1 506	7 054	3 192	7 423	4 879	1 337	1 226	433	6 889	10 885	13 736
Craftsmen and kindred workers	4 080	1 963	1 022	5 367	8 726	6 141	2 191	1 730	8 596	262	10 344	270	634
Blacksmiths, forgemen, hammermen, and boilermakers	28	16	5	–	57	24	–	10	–	–	20	–	5
Brickmasons and stonemasons	–	–	–	–	30	20	8	–	–	–	38	–	16
Carpenters	123	9	27	7	70	92	60	14	47	25	574	9	102
Cranemen, derrickmen, and hoistmen	69	20	5	–	69	231	–	–	–	6	10	–	5
Electricians	152	6	–	19	661	122	47	4	4	5	174	–	12
Excavating, grading, and road machine operators	6	6	9	23	181	52	–	–	5	4	28	–	14
Foremen, n.e.c	559	601	92	459	1 455	1 599	591	308	239	40	717	131	95
Mechanics and repairmen	985	1 039	769	127	1 563	2 255	849	78	8 095	35	3 519	18	60
Automobile, including body	–	963	428	23	152	546	214	33	7 759	4	227	–	–
Machinists, job setters, and toolmakers	215	17	5	5	131	345	13	4	37	5	89	11	–
Metal craftsmen, except mechanics and machinists	15	48	–	–	19	92	6	–	–	–	202	–	13
Painters, construction and maintenance, and plasterers and paperhangers	24	5	19	9	55	58	10	–	37	11	141	6	92
Plumbers and pipe fitters	63	–	–	23	278	82	13	–	5	–	529	5	18
Printing craftsmen	5	10	–	22	31	83	67	11	4	–	24	32	32
Stationary engineers and power station operators	27	24	25	36	1 366	70	18	–	14	–	52	–	63
Other craftsmen and kindred workers	1 809	162	66	4 637	2 760	1 016	509	1 301	109	131	4 227	58	107
Operatives, except transport	640	621	727	81	1 444	6 473	1 132	6 405	8 806	260	3 603	72	182
Assemblers	10	31	3	12	23	409	13	25	31	25	145	–	20
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	6	–	–	–	–	38	11	5	45	–	32	–	11
Painters, manufactured articles	–	4	–	–	16	20	–	5	60	–	17	–	–
Precision machine operatives	11	5	–	–	19	148	6	–	10	–	81	10	10
Welders and flamecutters	251	55	18	6	137	376	5	6	33	5	79	–	5
Other specified operatives	55	308	562	37	681	3 070	964	5 608	8 409	149	2 524	19	95
Machine operatives, miscellaneous specified	16	106	26	8	112	898	41	131	90	56	294	20	–
Machine operatives, not specified	68	41	–	–	130	528	15	26	4	10	50	18	15
Miscellaneous operatives	159	47	118	10	276	647	66	401	96	10	172	5	12
Not specified operatives	64	24	–	8	50	339	11	198	28	5	209	–	14

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
THE STATE—Continued													
Total employed—Continued													
Transport equipment operatives	1 922	13 449	5 938	59	1 886	6 387	779	1 134	884	451	4 301	14	95
Deliverymen and routemen	–	652	31	46	56	2 809	674	695	275	383	1 879	5	17
Truck drivers	92	12 548	132	13	830	3 122	58	398	493	54	1 883	9	48
Other transport equipment operatives	1 830	249	5 775	–	1 000	456	47	41	116	14	539	–	30
Laborers, except farm	876	1 943	309	85	3 143	3 838	1 604	8 057	735	327	3 463	28	717
Freight, stock, and material handlers	139	1 677	147	4	1 576	2 425	1 512	7 754	109	99	1 704	11	17
Other specified laborers	46	83	78	23	837	475	21	91	459	17	979	4	483
Miscellaneous laborers	546	27	17	13	429	145	13	40	5	–	154	–	109
Not specified laborers	145	156	67	45	301	793	58	172	162	211	626	13	108
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	279	204	533	325	898	983	2 435	1 204	395	52 844	6 516	476	2 588
Cleaning service workers	90	162	144	251	649	638	593	372	354	1 749	1 092	306	1 828
Personal service workers	15	10	107	15	–	26	258	35	10	370	112	23	133
Guards and watchmen	44	26	28	20	31	51	163	5	–	29	59	25	101
Other service workers, including private household	130	6	254	39	218	268	1 421	792	31	50 696	5 253	122	526
Female employed	417	2 168	2 936	8 515	3 295	13 520	35 171	21 176	3 660	39 452	39 609	13 378	20 625
Professional, technical, and kindred workers	–	44	43	441	294	389	457	87	117	175	782	510	448
Accountants	–	23	6	107	84	140	128	47	97	29	101	222	225
Computer specialists	–	5	–	11	5	31	10	5	–	–	–	100	58
Life and physical scientists	–	–	–	–	–	17	–	–	–	–	4	–	–
Registered nurses, dietitians, and therapists	–	6	–	–	5	18	17	14	10	–	–	5	4
Social scientists	–	–	–	–	9	9	–	–	–	–	26	7	–
Writers, artists, and entertainers	–	4	5	120	42	63	123	16	–	131	192	18	52
Other professional, technical, and kindred workers	–	6	32	203	149	111	179	5	10	15	459	158	109
Managers and administrators, except farm	5	122	224	176	33	543	1 791	1 159	240	2 314	2 645	433	1 298
Salaried	5	107	198	176	33	482	1 619	642	189	732	1 602	411	1 219
Self-employed	–	15	26	–	–	61	172	517	51	1 582	1 043	22	79
Sales workers	–	18	29	103	61	631	19 683	5 571	172	353	17 540	783	1 025
Clerical and kindred workers	310	1 638	871	7 367	2 395	8 802	9 568	10 100	2 637	1 420	11 437	11 257	16 253
Bookkeepers	–	284	124	256	290	2 005	991	633	1 326	313	3 607	810	2 678
Cashiers	11	22	–	114	127	131	2 424	8 240	152	764	1 561	130	237
Counter clerks, except food	4	–	5	113	10	122	349	17	–	17	95	16	5
File clerks	–	72	5	75	63	155	204	11	55	–	59	719	333
Office machine operators	27	98	24	253	80	537	393	73	48	28	144	696	1 196
Bookkeeping and billing machine operators	–	27	–	24	17	133	54	–	14	–	48	21	597
Receptionists	5	20	31	63	74	170	52	16	59	6	159	144	282
Secretaries	55	347	124	520	392	2 361	447	123	410	138	1 427	2 874	2 870
Stenographers	45	21	18	90	110	185	18	12	25	–	54	272	213
Typists	24	149	43	346	184	658	285	43	132	26	308	1 691	953
Other clerical and kindred workers	139	625	497	5 537	1 065	2 478	4 405	932	430	128	4 023	3 905	7 486
Craftsmen and kindred workers	26	37	20	199	104	311	545	312	90	127	1 084	51	94
Foremen, n.e.c	15	14	–	70	24	90	259	13	5	12	82	39	52
Operatives, except transport	11	62	10	17	55	2 134	889	1 924	275	91	1 468	41	72
Assemblers	–	5	–	12	8	169	10	25	12	12	37	–	16
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	–	38	6	–	5	915	360	363	4	26	82	–	–
Other operatives, except transport	11	19	4	5	42	1 050	519	1 536	259	53	1 349	41	56
Transport equipment operatives	14	186	1 623	–	110	87	59	21	43	5	92	–	–
Laborers, except farm	6	37	30	18	55	380	446	1 301	20	62	492	13	73
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	45	24	86	194	188	243	1 733	701	66	34 905	4 069	290	1 362
Cleaning service workers	16	18	15	140	113	118	155	71	40	750	391	160	991
Personal service workers	5	–	32	15	–	21	249	29	5	216	99	19	92
Other service workers, including private household	24	6	39	39	75	104	1 329	601	21	33 939	3 579	111	279

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
THE STATE												
Total employed	**18 240**	**19 245**	**12 517**	**45 586**	**10 859**	**69 819**	**41 260**	**107 963**	**34 668**	**24 113**	**33 367**	**64 775**
Professional, technical, and kindred workers	**3 378**	**349**	**312**	**1 030**	**1 955**	**23 122**	**13 067**	**67 605**	**20 660**	**10 591**	**16 473**	**8 538**
Accountants	638	62	103	55	19	266	102	285	86	179	2 623	1 402
Architects	4	–	–	–	–	6	–	38	–	–	544	42
Computer specialists	184	7	–	–	5	42	6	391	85	3	81	181
Engineers	273	49	–	26	10	57	93	180	27	54	1 189	1 163
Chemical	8	–	–	–	–	–	–	10	4	–	20	16
Civil	31	6	–	–	–	6	35	49	5	10	392	720
Electrical and electronic	22	18	–	–	10	–	6	56	13	6	114	62
Industrial	105	–	–	19	–	13	8	5	–	16	74	82
Mechanical	–	9	–	–	–	8	4	24	5	9	177	20
Other engineers	107	16	–	7	–	30	40	36	–	13	412	263
Mathematical specialists	30	–	–	–	–	4	5	35	5	6	29	58
Life and physical scientists	151	–	–	4	–	224	101	448	64	–	110	309
Chemists	95	–	–	4	–	70	39	168	28	–	50	19
Personnel and labor relations workers	366	–	5	45	6	154	98	122	51	72	18	591
Social scientists	131	–	–	5	–	103	83	265	21	32	69	259
Engineering and science technicians	470	17	–	7	8	47	63	812	146	123	1 401	749
Draftsmen	202	4	–	–	–	6	–	65	5	31	861	232
Electrical and electronic engineering technicians	25	13	–	–	8	10	–	106	18	–	25	81
Industrial and mechanical engineering technicians	6	–	–	–	–	–	–	–	–	–	9	4
Technicians, except health, and engineering and science	22	30	–	25	–	6	22	81	30	21	28	725
Writers, artists, and entertainers	838	33	57	633	1 258	68	43	698	292	985	998	152
Other professional, technical, and kindred workers	271	151	147	230	649	22 145	12 451	64 250	19 853	9 116	9 383	2 907
Managers and administrators, except farm	**1 866**	**1 492**	**1 999**	**2 344**	**1 266**	**1 539**	**1 181**	**4 706**	**1 689**	**1 935**	**790**	**7 815**
Buyers, purchasing agents, and sales managers	158	32	15	60	25	140	22	123	19	22	42	248
Other managers and administrators	1 708	1 460	1 984	2 284	1 241	1 399	1 159	4 583	1 670	1 913	748	7 567
Salaried	1 437	849	960	1 426	857	1 399	1 027	4 583	1 599	1 865	682	7 567
Self-employed	271	611	1 024	858	384	–	132	–	71	48	66	–
Sales workers	**1 268**	**392**	**90**	**804**	**449**	**110**	**73**	**119**	**222**	**197**	**303**	**64**
Clerical and kindred workers	**5 845**	**1 828**	**1 440**	**3 114**	**1 252**	**9 555**	**6 279**	**17 392**	**4 847**	**5 217**	**9 385**	**24 812**
Bookkeepers	468	488	235	352	155	558	707	501	227	562	1 089	782
Cashiers	43	73	107	152	455	265	21	176	91	65	21	91
Estimators and investigators, n.e.c	211	61	5	–	14	52	35	15	–	54	22	486
Office machine operators	624	11	18	34	13	285	76	419	136	71	396	613
Shipping and receiving clerks	40	28	–	61	17	6	4	31	16	–	11	47
Stock clerks and storekeepers	93	28	16	65	6	296	42	238	61	37	25	280
Other clerical and kindred workers	4 366	1 139	1 059	2 450	592	8 093	5 394	16 012	4 316	4 428	7 821	22 513
Craftsmen and kindred workers	**1 399**	**10 692**	**323**	**1 079**	**702**	**1 192**	**924**	**1 845**	**505**	**346**	**520**	**3 156**
Blacksmiths, forgemen, hammermen, and boilermakers	–	172	–	5	–	6	5	6	5	5	9	6
Brickmasons and stonemasons	–	7	11	5	–	9	4	13	15	–	–	15
Carpenters	43	20	86	90	20	99	26	212	27	65	18	166
Cranemen, derrickmen, and hoistmen	18	–	–	–	–	–	–	–	–	–	10	13
Electricians	14	72	–	5	23	68	–	96	18	8	11	202
Excavating, grading, and road machine operators	–	18	–	6	–	–	5	12	5	–	–	160
Foremen, n.e.c	189	191	24	195	55	165	126	210	58	40	45	445
Mechanics and repairmen	452	8 698	41	42	270	165	52	318	83	14	57	1 331
Automobile, including body	68	6 132	–	4	4	–	7	71	16	–	–	563
Machinists, job setters, and toolmakers	29	87	–	11	–	19	19	117	5	–	24	68
Metal craftsmen, except mechanics and machinists	11	5	–	–	5	5	–	37	–	–	6	11
Painters, construction and maintenance, and plasterers and paperhangers	49	52	59	84	5	105	39	186	28	37	–	172
Plumbers and pipe fitters	67	29	4	–	–	56	–	111	18	45	9	97
Printing craftsmen	112	4	–	6	7	47	3	96	25	48	13	93
Stationary engineers and power station operators	15	10	51	11	–	277	13	224	54	14	17	115
Other craftsmen and kindred workers	400	1 327	47	619	317	171	632	207	164	70	301	262
Operatives, except transport	**972**	**1 826**	**186**	**5 538**	**97**	**1 918**	**809**	**665**	**335**	**446**	**712**	**658**
Assemblers	42	25	–	25	14	–	40	9	9	8	40	21
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	60	–	–	5	–	12	4	–	12	–	–
Painters, manufactured articles	5	113	–	–	–	4	–	–	–	–	–	–
Precision machine operatives	5	75	–	–	–	5	6	5	–	10	47	15
Welders and flamecutters	9	646	–	18	–	4	–	27	–	10	24	40
Other specified operatives	567	656	178	5 366	62	1 807	689	389	184	295	441	277
Machine operatives, miscellaneous specified	87	75	–	41	4	25	11	28	29	24	35	45
Machine operatives, not specified	28	31	–	25	5	5	4	26	18	15	46	97
Miscellaneous operatives	186	106	–	24	4	42	36	168	87	57	37	142
Not specified operatives	43	39	8	39	3	26	11	9	8	15	42	21

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
THE STATE—Continued												
Total employed—Continued												
Transport equipment operatives	**286**	**469**	**35**	**862**	**65**	**156**	**72**	**361**	**102**	**100**	**143**	**1 095**
Deliverymen and routemen	154	85	–	551	5	15	39	55	11	18	17	40
Truck drivers	111	132	5	191	10	51	29	96	17	55	34	907
Other transport equipment operatives	21	252	30	120	50	90	4	210	74	27	92	148
Laborers, except farm	**322**	**1 473**	**185**	**1 236**	**671**	**470**	**175**	**491**	**212**	**236**	**168**	**1 882**
Freight, stock, and material handlers	78	40	9	203	34	230	7	67	44	14	–	450
Other specified laborers	53	1 236	86	641	491	152	80	332	116	107	135	983
Miscellaneous laborers	6	124	5	38	17	–	–	–	–	6	5	29
Not specified laborers	185	73	85	354	129	88	88	92	52	109	28	420
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**2 904**	**724**	**7 947**	**29 579**	**4 402**	**31 757**	**18 680**	**14 779**	**6 096**	**5 045**	**4 873**	**16 755**
Cleaning service workers	1 871	182	3 235	646	691	4 486	1 947	6 901	2 643	2 723	287	2 073
Personal service workers	99	90	1 145	11 159	1 375	499	540	1 543	643	1 060	108	189
Guards and watchmen	708	11	29	4	23	171	63	180	37	40	16	1 041
Other service workers, including private household	226	441	3 538	17 770	2 313	26 601	16 130	6 155	2 773	1 222	4 462	13 452
Female employed	**7 873**	**2 586**	**7 898**	**34 331**	**4 522**	**57 496**	**30 888**	**62 750**	**22 855**	**11 814**	**17 901**	**18 524**
Professional, technical, and kindred workers	**964**	**77**	**132**	**443**	**657**	**18 936**	**6 094**	**37 681**	**13 588**	**3 362**	**4 585**	**1 512**
Accountants	264	21	36	25	16	132	37	132	50	92	454	374
Computer specialists	22	7	–	–	–	18	–	99	26	–	7	38
Life and physical scientists	10	–	–	–	–	107	23	85	24	–	14	18
Registered nurses, dietitians, and therapists	32	–	9	102	14	13 820	4 320	564	140	146	71	124
Social scientists	11	–	–	–	–	11	36	100	5	–	18	30
Writers, artists, and entertainers	187	–	29	200	326	20	18	290	121	720	314	25
Other professional, technical, and kindred workers	438	49	58	116	301	4 828	1 660	36 411	13 222	2 404	3 707	903
Managers and administrators, except farm	**218**	**125**	**719**	**494**	**310**	**671**	**622**	**816**	**733**	**378**	**260**	**1 471**
Salaried	184	77	338	319	215	671	544	816	693	355	241	1 471
Self-employed	34	48	381	175	95	–	78	–	40	23	19	–
Sales workers	**351**	**75**	**44**	**555**	**351**	**92**	**52**	**77**	**106**	**79**	**194**	**19**
Clerical and kindred workers	**4 895**	**1 350**	**1 081**	**2 853**	**1 084**	**9 054**	**6 073**	**15 401**	**4 261**	**4 675**	**8 626**	**12 932**
Bookkeepers	413	418	192	322	135	529	693	412	199	477	911	553
Cashiers	30	69	92	152	404	252	21	152	69	60	21	62
Counter clerks, except food	28	33	357	737	42	16	3	30	42	15	4	–
File clerks	123	10	5	15	4	194	128	260	44	63	51	272
Office machine operators	513	6	18	29	9	248	76	303	104	60	348	541
Bookkeeping and billing machine operators	5	–	10	6	–	45	29	8	10	15	7	19
Receptionists	238	21	81	264	25	1 075	1 737	392	327	171	250	298
Secretaries	1 274	183	156	237	216	2 168	1 884	5 717	1 747	2 238	3 897	2 340
Stenographers	109	6	8	–	5	96	128	280	31	167	129	560
Typists	669	58	23	65	34	939	297	1 681	381	540	477	1 911
Other clerical and kindred workers	1 498	546	149	1 032	210	3 537	1 106	6 174	1 317	884	2 538	6 395
Craftsmen and kindred workers	**133**	**271**	**26**	**226**	**21**	**158**	**246**	**188**	**116**	**78**	**58**	**60**
Foremen, n.e.c	39	–	5	46	–	42	68	40	16	16	9	40
Operatives, except transport	**473**	**240**	**134**	**4 460**	**47**	**1 426**	**636**	**291**	**168**	**272**	**399**	**83**
Assemblers	32	11	–	12	14	–	21	4	9	8	31	16
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	118	25	–	41	–	5	9	4	12	14	9	–
Other operatives, except transport	323	204	134	4 407	33	1 421	606	283	147	250	359	67
Transport equipment operatives	**24**	**5**	**5**	**31**	**–**	**4**	**3**	**88**	**43**	**11**	**18**	**73**
Laborers, except farm	**69**	**196**	**61**	**324**	**57**	**256**	**64**	**72**	**26**	**53**	**49**	**125**
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**746**	**247**	**5 696**	**24 945**	**1 995**	**26 899**	**17 098**	**8 136**	**3 814**	**2 906**	**3 712**	**2 249**
Cleaning service workers	573	56	2 496	329	161	2 978	1 391	1 654	945	1 125	167	492
Personal service workers	80	52	797	7 608	397	355	472	1 166	538	848	62	107
Other service workers, including private household	93	139	2 403	17 008	1 437	23 566	15 235	5 316	2 331	933	3 483	1 650

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
APPLETON–OSHKOSH SMSA												
Total employed	**104 435**	**5 800**	**142**	**5 477**	**37 771**	**1 986**	**335**	**2 109**	**430**	**1 677**	**5 532**	**1 433**
Professional, technical, and kindred workers	**13 776**	**61**	**5**	**96**	**3 201**	**59**	**20**	**137**	**10**	**86**	**644**	**178**
Accountants	873	–	–	17	356	15	–	17	–	9	50	10
Architects	28	–	–	4	–	–	–	–	–	–	–	–
Computer specialists	237	4	–	–	156	–	–	11	–	–	46	20
Engineers	1 288	–	–	44	892	23	4	64	–	36	277	71
Chemical	81	–	–	–	54	–	–	–	–	5	5	–
Civil	141	–	–	32	26	–	4	–	–	2	10	–
Electrical and electronic	115	–	–	–	55	–	–	–	–	–	5	33
Industrial	249	–	–	–	216	11	–	32	–	–	49	9
Mechanical	278	–	–	9	226	4	–	16	–	19	91	9
Other engineers	424	–	–	3	315	8	–	16	–	10	117	20
Mathematical specialists	47	–	–	–	16	–	–	–	–	–	–	–
Life and physical scientists	205	–	–	–	116	5	–	4	–	–	–	–
Chemists	155	–	–	–	113	5	–	4	–	–	–	–
Personnel and labor relations workers	275	–	–	–	129	–	–	–	–	–	36	9
Social scientists	133	–	–	–	45	–	–	–	–	6	–	–
Engineering and science technicians	1 127	5	5	12	804	8	12	36	5	30	161	43
Draftsmen	350	–	5	12	235	8	12	6	–	16	105	24
Electrical and electronic engineering technicians	91	–	–	–	58	–	–	–	–	–	24	19
Industrial and mechanical engineering technicians	45	–	–	–	40	–	–	–	–	4	16	–
Technicians, except health, and engineering and science	165	–	–	–	54	–	–	–	5	–	19	–
Writers, artists, and entertainers	903	–	–	14	352	–	4	–	–	–	29	20
Other professional, technical, and kindred workers	8 495	52	–	5	281	8	–	5	–	5	26	5
Managers and administrators, except farm	**7 169**	**40**	**14**	**523**	**1 687**	**98**	**33**	**67**	**12**	**80**	**217**	**59**
Buyers, purchasing agents, and sales managers	1 009	6	5	6	315	20	–	14	–	15	60	18
Other managers and administrators	6 160	34	9	517	1 372	78	33	53	12	65	157	41
Salaried	4 995	13	9	322	1 299	69	27	53	12	55	147	41
Self-employed	1 165	21	–	195	73	9	6	–	–	10	10	–
Sales workers	**7 057**	**5**	**–**	**52**	**1 022**	**29**	**19**	**–**	**14**	**19**	**119**	**40**
Clerical and kindred workers	**16 155**	**44**	**13**	**451**	**4 697**	**233**	**63**	**220**	**12**	**166**	**601**	**156**
Bookkeepers	1 588	17	5	163	303	16	17	5	–	10	28	9
Cashiers	988	–	–	–	12	–	–	–	–	–	–	–
Estimators and investigators, n.e.c	217	–	–	45	73	17	4	4	–	5	–	–
Office machine operators	677	–	–	–	270	6	7	15	–	–	24	–
Shipping and receiving clerks	705	–	–	–	545	27	–	10	–	44	58	47
Stock clerks and storekeepers	676	–	8	5	371	27	–	32	–	11	71	15
Other clerical and kindred workers	11 304	27	–	238	3 123	140	35	154	12	96	420	85
Craftsmen and kindred workers	**14 649**	**48**	**27**	**3 246**	**7 174**	**303**	**52**	**663**	**89**	**244**	**1 268**	**158**
Blacksmiths, forgemen, hammermen, and boilermakers	58	5	–	9	23	–	–	7	–	5	6	–
Brickmasons and stonemasons	262	–	–	241	9	–	–	–	–	–	–	–
Carpenters	1 050	10	–	833	124	36	12	–	6	12	5	–
Cranemen, derrickmen, and hoistmen	179	–	–	40	112	–	–	10	–	7	44	–
Electricians	682	–	–	312	292	–	–	40	4	10	28	18
Excavating, grading, and road machine operators	341	9	5	206	116	10	–	–	–	–	–	–
Foremen, n.e.c	2 462	8	17	212	1 690	84	14	190	23	50	273	58
Mechanics and repairmen	2 916	6	5	162	893	26	6	62	11	15	194	23
Automobile, including body	1 275	6	5	39	92	–	–	11	–	–	6	–
Machinists, job setters, and toolmakers	1 000	–	–	5	934	5	–	34	17	53	562	23
Metal craftsmen, except mechanics and machinists	1 071	–	–	187	850	15	4	280	28	53	88	9
Painters, construction and maintenance, and plasterers and paperhangers	368	–	–	248	68	12	–	6	–	–	15	3
Plumbers and pipe fitters	480	–	–	283	120	–	–	–	–	–	6	–
Printing craftsmen	1 336	–	–	–	1 282	–	–	–	–	12	18	7
Stationary engineers and power station operators	223	–	–	15	66	5	–	–	–	–	6	–
Other craftsmen and kindred workers	2 221	10	–	493	595	110	16	34	–	27	23	17
Operatives, except transport	**18 586**	**20**	**57**	**279**	**15 879**	**954**	**40**	**665**	**260**	**917**	**2 296**	**763**
Assemblers	1 556	–	–	–	1 536	82	–	9	5	135	700	252
Checkers, examiners, and inspectors; manufacturing	648	–	–	–	648	31	–	12	4	52	151	66
Filers, polishers, sanders, and buffers	170	–	–	–	165	83	–	4	16	16	25	–
Painters, manufactured articles	194	–	–	–	190	13	–	–	–	27	42	15
Precision machine operatives	1 149	–	–	–	1 133	76	–	108	5	43	621	38
Welders and flamecutters	696	–	–	81	538	9	–	41	10	94	156	66
Other specified operatives	6 914	14	57	139	4 979	262	9	168	64	229	181	210
Machine operatives, miscellaneous specified	3 553	6	–	16	3 391	184	14	178	93	125	160	52
Machine operatives, not specified	1 424	–	–	9	1 329	47	6	46	3	60	164	11
Miscellaneous operatives	1 247	–	–	25	1 036	123	4	36	19	59	44	39
Not specified operatives	1 035	–	–	9	934	44	7	63	41	77	52	14

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
APPLETON–OSHKOSH SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	3 806	33	16	233	1 390	83	79	81	–	28	133	22
Deliverymen and routemen	785	9	–	20	183	15	6	–	–	–	5	–
Truck drivers	1 799	24	16	185	491	27	65	31	–	28	45	12
Other transport equipment operatives	1 222	–	–	28	716	41	8	50	–	–	83	10
Laborers, except farm	4 275	73	4	544	1 911	209	24	229	18	112	151	13
Freight, stock, and material handlers	1 657	–	–	15	723	106	–	33	–	13	68	–
Other specified laborers	1 354	73	4	529	273	25	9	5	–	12	10	–
Miscellaneous laborers	319	–	–	–	239	5	–	119	–	13	30	–
Not specified laborers	945	–	–	–	676	73	15	72	18	74	43	13
Farm workers	5 449	5 449	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	13 513	27	6	53	810	18	5	47	15	25	103	44
Cleaning service workers	2 700	10	6	43	552	14	5	38	15	20	66	33
Personal service workers	1 120	–	–	–	9	–	–	–	–	–	–	–
Guards and watchmen	292	6	–	–	104	–	–	9	–	5	18	5
Other service workers, including private household	9 401	11	–	10	145	4	–	–	–	–	19	6
Female employed	37 734	928	15	416	8 529	538	33	213	77	511	845	360
Professional, technical, and kindred workers	5 714	–	–	12	407	–	4	15	5	11	57	5
Accountants	271	–	–	8	60	–	–	5	–	6	14	–
Computer specialists	25	–	–	–	11	–	–	–	–	–	5	–
Life and physical scientists	15	–	–	–	5	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	1 045	–	–	–	55	–	–	–	–	–	22	–
Social scientists	13	–	–	–	4	–	–	–	–	–	–	–
Writers, artists, and entertainers	306	–	–	4	86	–	4	–	–	–	5	–
Other professional, technical, and kindred workers	4 039	–	–	–	186	–	–	10	5	5	11	5
Managers and administrators, except farm	913	4	–	8	55	–	–	–	–	–	9	–
Salaried	719	–	–	8	46	–	–	–	–	–	9	–
Self-employed	194	4	–	–	9	–	–	–	–	–	–	–
Sales workers	2 983	5	–	10	51	–	–	–	–	–	–	4
Clerical and kindred workers	12 095	31	5	342	2 829	143	25	136	12	91	337	94
Bookkeepers	1 314	12	5	146	218	10	5	5	–	6	19	9
Cashiers	938	–	–	–	12	–	–	–	–	–	–	–
Counter clerks, except food	223	–	–	–	70	–	–	–	–	–	–	5
File clerks	161	–	–	–	58	–	–	–	–	–	8	–
Office machine operators	519	–	–	–	182	6	7	15	–	–	18	–
Bookkeeping and billing machine operators	103	–	–	–	12	6	–	–	–	–	–	–
Receptionists	541	5	–	5	97	11	–	–	–	10	16	–
Secretaries	2 964	5	–	101	956	15	–	39	7	40	138	29
Stenographers	195	–	–	4	59	13	–	5	–	–	9	–
Typists	833	5	–	–	242	23	–	15	5	6	31	20
Other clerical and kindred workers	4 407	4	–	86	935	65	13	57	–	29	98	31
Craftsmen and kindred workers	706	10	–	22	450	43	–	5	–	8	59	5
Foremen, n.e.c	190	–	–	–	114	7	–	5	–	4	7	–
Operatives, except transport	5 217	–	10	–	4 322	274	4	52	51	333	365	252
Assemblers	601	–	–	–	595	31	–	9	5	96	255	97
Checkers, examiners, and inspectors; manufacturing	236	–	–	–	236	10	–	–	–	23	25	30
Packers and wrappers, except meat and produce	667	–	–	–	549	26	–	11	5	4	24	13
Other operatives, except transport	3 713	–	10	–	2 942	207	4	32	41	210	61	112
Transport equipment operatives	170	–	–	5	38	10	–	5	–	5	–	–
Laborers, except farm	425	7	–	–	227	64	–	–	9	53	–	–
Farm workers	866	866	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	8 645	5	–	17	150	4	–	–	–	10	18	–
Cleaning service workers	970	–	–	17	69	–	–	–	–	10	9	–
Personal service workers	750	–	–	–	–	–	–	–	–	–	–	–
Other service workers, including private household	6 925	5	–	–	81	4	–	–	–	–	9	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas of 250,000 or More

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
APPLETON–OSHKOSH SMSA													
Total employed	1 550	46	110	–	1 404	2 200	1 278	406	12 940	2 894	235	191	1 015
Professional, technical, and kindred workers	101	–	–	–	64	62	60	13	1 398	295	6	8	60
Accountants	26	–	–	–	5	13	16	4	173	12	–	–	6
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	7	–	–	–	5	–	9	–	52	6	–	–	–
Engineers	32	–	–	–	17	18	14	–	296	35	–	5	–
Chemical	–	–	–	–	–	–	–	–	35	9	–	–	–
Civil	–	–	–	–	–	–	–	–	10	–	–	–	–
Electrical and electronic	–	–	–	–	–	3	–	–	14	–	–	–	–
Industrial	17	–	–	–	11	–	9	–	62	16	–	–	–
Mechanical	10	–	–	–	6	–	5	–	61	–	–	5	–
Other engineers	5	–	–	–	–	15	–	–	114	10	–	–	–
Mathematical specialists	–	–	–	–	–	–	–	–	10	–	–	–	6
Life and physical scientists	–	–	–	–	–	5	–	–	93	–	6	3	–
Chemists	–	–	–	–	–	5	–	–	93	–	6	–	–
Personnel and labor relations workers	5	–	–	–	–	–	4	–	75	–	–	–	–
Social scientists	5	–	–	–	–	–	–	–	29	–	–	–	5
Engineering and science technicians	18	–	–	–	5	21	–	–	441	15	–	–	9
Draftsmen	18	–	–	–	5	–	–	–	36	–	–	–	5
Electrical and electronic engineering technicians	–	–	–	–	–	–	–	–	10	5	–	–	–
Industrial and mechanical engineering technicians	–	–	–	–	–	–	–	–	15	5	–	–	–
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	5	25	–	–	–	–
Writers, artists, and entertainers	4	–	–	–	4	–	8	4	65	214	–	–	–
Other professional, technical, and kindred workers	4	–	–	–	28	5	9	–	139	13	–	–	34
Managers and administrators, except farm	76	6	11	–	83	150	32	20	572	91	25	17	38
Buyers, purchasing agents, and sales managers	13	–	–	–	23	21	12	10	87	9	8	5	–
Other managers and administrators	63	6	11	–	60	129	20	10	485	82	17	12	38
Salaried	63	6	11	–	50	110	16	10	480	82	17	12	38
Self-employed	–	–	–	–	10	19	4	–	5	–	–	–	–
Sales workers	19	–	5	–	72	120	11	–	151	232	77	14	81
Clerical and kindred workers	231	–	5	–	149	242	81	35	1 872	474	25	32	100
Bookkeepers	14	–	–	–	12	81	–	–	70	33	–	8	–
Cashiers	–	–	–	–	–	–	–	–	5	–	–	–	7
Estimators and investigators, n.e.c	–	–	–	–	11	–	–	–	14	18	–	–	–
Office machine operators	28	–	–	–	8	–	4	4	153	21	–	–	–
Shipping and receiving clerks	21	–	–	–	6	24	9	13	225	53	4	4	–
Stock clerks and storekeepers	67	–	–	–	3	–	–	4	123	18	–	–	–
Other clerical and kindred workers	101	–	5	–	109	137	68	14	1 282	331	21	20	93
Craftsmen and kindred workers	297	19	25	–	210	289	154	16	2 023	1 177	16	22	149
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	–	–	–	5	–	–	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	9	–	–	–	–
Carpenters	4	–	11	–	–	–	5	–	29	4	–	–	–
Cranemen, derrickmen, and hoistmen	–	–	5	–	–	–	–	–	46	–	–	–	–
Electricians	5	–	–	–	–	6	5	–	159	17	–	–	–
Excavating, grading, and road machine operators	–	–	–	–	–	4	–	5	97	–	–	–	–
Foremen, n.e.c	41	5	–	–	41	127	62	–	615	70	–	10	27
Mechanics and repairmen	90	–	4	–	7	46	54	3	291	49	–	7	5
Automobile, including body	71	–	–	–	–	4	–	–	–	–	–	–	–
Machinists, job setters, and toolmakers	124	5	–	–	18	5	–	–	66	–	12	–	10
Metal craftsmen, except mechanics and machinists	29	9	–	–	41	5	5	–	275	9	–	–	–
Painters, construction and maintenance, and plasterers and paperhangers	–	–	–	–	–	–	–	–	23	4	–	5	–
Plumbers and pipe fitters	–	–	–	–	5	–	–	–	104	5	–	–	–
Printing craftsmen	–	–	–	–	–	11	–	–	215	1 008	–	–	11
Stationary engineers and power station operators	–	–	–	–	–	5	–	–	50	–	–	–	–
Other craftsmen and kindred workers	4	–	5	–	98	75	23	8	44	11	4	–	96
Operatives, except transport	724	21	48	–	625	708	907	300	5 556	486	71	78	460
Assemblers	167	9	30	–	59	9	3	–	60	5	–	11	–
Checkers, examiners, and inspectors; manufacturing	92	–	–	–	4	13	40	–	148	13	4	–	18
Filers, polishers, sanders, and buffers	–	–	5	–	9	–	–	–	7	–	–	–	–
Painters, manufactured articles	27	–	–	–	35	–	–	–	31	–	–	–	–
Precision machine operatives	166	12	–	–	4	5	18	–	28	–	5	–	4
Welders and flamecutters	99	–	5	–	–	–	–	–	54	–	–	–	4
Other specified operatives	45	–	4	–	316	294	846	259	1 623	102	29	–	338
Machine operatives, miscellaneous specified	26	–	–	–	86	292	–	4	2 007	89	5	43	33
Machine operatives, not specified	73	–	4	–	24	19	–	–	721	105	18	19	9
Miscellaneous operatives	29	–	–	–	78	43	–	31	367	133	–	–	31
Not specified operatives	–	–	–	–	10	33	–	6	510	39	10	5	23

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
APPLETON–OSHKOSH SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	21	–	–	–	37	329	–	–	463	46	15	–	53
Deliverymen and routemen	–	–	–	–	12	129	–	–	–	12	4	–	–
Truck drivers	3	–	–	–	14	157	–	–	79	17	6	–	7
Other transport equipment operatives	18	–	–	–	11	43	–	–	384	17	5	–	46
Laborers, except farm	74	–	5	–	97	212	12	22	607	52	–	20	54
Freight, stock, and material handlers	41	–	–	–	4	76	7	5	322	40	–	4	4
Other specified laborers	6	–	–	–	59	31	–	–	60	12	–	5	39
Miscellaneous laborers	11	–	–	–	–	6	5	6	44	–	–	–	–
Not specified laborers	16	–	5	–	34	99	–	11	181	–	–	11	11
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	7	–	11	–	67	88	21	–	298	41	–	–	20
Cleaning service workers	7	–	11	–	28	57	15	–	197	41	–	–	5
Personal service workers	–	–	–	–	–	4	–	–	–	–	–	–	5
Guards and watchmen	–	–	–	–	–	5	6	–	56	–	–	–	–
Other service workers, including private household	–	–	–	–	39	22	–	–	45	–	–	–	10
Female employed	133	–	5	–	614	417	896	324	2 415	712	34	62	340
Professional, technical, and kindred workers	–	–	–	–	6	20	4	–	192	84	–	–	4
Accountants	–	–	–	–	–	4	–	–	27	4	–	–	–
Computer specialists	–	–	–	–	–	–	–	–	–	6	–	–	–
Life and physical scientists	–	–	–	–	–	5	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	–	–	–	–	–	–	–	–	33	–	–	–	–
Social scientists	–	–	–	–	–	–	–	–	4	–	–	–	–
Writers, artists, and entertainers	–	–	–	–	–	–	4	–	4	69	–	–	–
Other professional, technical, and kindred workers	–	–	–	–	6	11	–	–	124	5	–	–	4
Managers and administrators, except farm	–	–	–	–	10	5	4	5	9	13	–	–	–
Salaried	–	–	–	–	5	5	–	5	9	13	–	–	–
Self-employed	–	–	–	–	5	–	4	–	–	–	–	–	–
Sales workers	–	–	–	–	9	10	–	–	–	16	–	–	12
Clerical and kindred workers	88	–	5	–	110	161	76	18	1 128	313	16	22	54
Bookkeepers	4	–	–	–	12	58	–	–	51	31	–	8	–
Cashiers	–	–	–	–	–	–	–	–	5	–	–	–	7
Counter clerks, except food	7	–	–	–	–	4	–	–	38	16	–	–	–
File clerks	4	–	–	–	–	–	–	–	36	5	5	–	–
Office machine operators	22	–	–	–	8	–	4	4	82	16	–	–	–
Bookkeeping and billing machine operators	–	–	–	–	–	–	–	–	6	–	–	–	–
Receptionists	–	–	5	–	3	9	5	–	13	25	–	–	–
Secretaries	41	–	–	–	51	39	14	5	431	67	11	10	19
Stenographers	–	–	–	–	–	–	–	–	26	6	–	–	–
Typists	–	–	–	–	–	10	10	–	73	37	–	–	12
Other clerical and kindred workers	10	–	–	–	36	41	43	9	373	110	–	4	16
Craftsmen and kindred workers	4	–	–	–	27	16	5	7	70	138	4	–	59
Foremen, n.e.c	–	–	–	–	15	5	5	–	52	14	–	–	–
Operatives, except transport	34	–	–	–	409	168	790	278	939	134	14	35	190
Assemblers	7	–	–	–	45	5	3	–	31	–	–	11	–
Checkers, examiners, and inspectors; manufacturing	6	–	–	–	4	–	40	–	77	8	4	–	9
Packers and wrappers, except meat and produce	–	–	–	–	59	80	33	21	251	7	5	–	10
Other operatives, except transport	21	–	–	–	*301*	*83*	*714*	257	580	119	5	24	171
Transport equipment operatives	–	–	–	–	–	4	–	–	9	5	–	–	–
Laborers, except farm	–	–	–	–	22	16	12	16	18	6	–	5	6
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	7	–	–	–	21	17	5	–	50	3	–	–	15
Cleaning service workers	7	–	–	–	9	6	5	–	15	3	–	–	5
Personal service workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Other service workers, including private household	–	–	–	–	12	11	–	–	35	–	–	–	10

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
APPLETON–OSHKOSH SMSA													
Total employed	335	1 061	584	1 321	1 295	3 478	2 914	2 466	2 215	4 141	4 959	1 875	1 863
Professional, technical, and kindred workers	6	20	86	212	90	126	74	5	23	22	193	107	84
Accountants	6	4	5	13	5	35	21	–	19	12	20	24	56
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	–	–	–	3	5	18	–	–	–	–	–	32	4
Engineers	–	5	6	63	17	30	4	–	–	–	5	5	5
Chemical	–	–	–	–	–	–	–	–	–	–	–	–	–
Civil	–	–	–	–	5	–	–	–	–	–	–	–	–
Electrical and electronic	–	–	–	51	9	–	–	–	–	–	–	–	–
Industrial	–	–	–	–	–	–	–	–	–	–	–	–	–
Mechanical	–	5	6	–	–	4	–	–	–	–	–	–	–
Other engineers	–	–	–	12	3	26	4	–	–	–	5	5	5
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	17	–
Life and physical scientists	–	–	–	–	–	6	–	–	–	–	–	–	–
Chemists	–	–	–	–	–	–	–	–	–	–	–	–	–
Personnel and labor relations workers	–	5	–	4	5	–	31	5	–	6	–	5	5
Social scientists	–	–	–	5	7	8	–	–	–	–	5	11	–
Engineering and science technicians	–	6	–	44	26	10	–	–	–	–	11	–	–
Draftsmen	–	–	–	6	17	–	–	–	–	–	6	–	–
Electrical and electronic engineering technicians	–	–	–	23	–	–	–	–	–	–	5	–	–
Industrial and mechanical engineering technicians	–	–	–	5	–	–	–	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	68	6	6	–	–	–	–	–	–	–	9
Writers, artists, and entertainers	–	–	–	58	4	14	7	–	–	4	18	–	–
Other professional, technical, and kindred workers	–	–	7	16	15	5	11	–	4	–	134	13	5
Managers and administrators, except farm	24	69	67	126	60	601	264	350	381	336	660	220	417
Buyers, purchasing agents, and sales managers	–	5	–	5	–	137	144	96	42	5	153	34	–
Other managers and administrators	24	64	67	121	60	464	120	254	339	331	507	186	417
Salaried	24	52	48	121	60	386	115	174	199	184	302	179	409
Self-employed	–	12	19	–	–	78	5	80	140	147	205	7	8
Sales workers	–	21	6	54	21	703	1 399	422	315	26	1 835	608	339
Clerical and kindred workers	56	152	115	606	259	671	589	701	191	157	794	867	869
Bookkeepers	–	14	13	35	25	130	56	42	93	19	224	48	134
Cashiers	–	5	–	5	10	6	139	493	10	77	65	5	19
Estimators and investigators, n.e.c	–	–	–	–	3	–	14	5	–	5	8	9	30
Office machine operators	–	3	–	71	18	37	19	–	4	6	6	51	102
Shipping and receiving clerks	–	13	10	–	–	87	16	–	7	–	23	–	–
Stock clerks and storekeepers	4	–	–	–	29	23	47	60	11	–	29	4	–
Other clerical and kindred workers	52	117	92	495	174	388	298	101	66	50	439	750	584
Craftsmen and kindred workers	67	90	40	284	517	384	199	78	711	11	612	24	18
Blacksmiths, forgemen, hammermen, and boilermakers	5	–	–	–	5	–	–	–	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	–	–	–	–	–
Carpenters	–	5	–	–	6	11	5	–	–	–	24	–	–
Cranemen, derrickmen, and hoistmen	–	4	–	–	18	5	–	–	–	–	–	–	–
Electricians	–	–	–	–	34	10	–	–	–	–	9	–	–
Excavating, grading, and road machine operators	–	–	–	–	–	5	–	–	–	–	–	–	–
Foremen, n.e.c	8	24	–	29	65	120	69	9	33	6	31	15	4
Mechanics and repairmen	10	35	40	–	102	129	80	11	667	–	210	–	–
Automobile, including body	–	35	11	–	22	48	26	11	647	–	17	–	–
Machinists, job setters, and toolmakers	–	–	–	–	–	29	9	–	–	–	14	–	–
Metal craftsmen, except mechanics and machinists	–	15	–	–	–	–	–	–	–	–	13	–	–
Painters, construction and maintenance, and plasterers and paperhangers	–	–	–	–	–	–	–	–	–	5	4	–	–
Plumbers and pipe fitters	–	–	–	6	4	–	–	–	–	–	46	–	–
Printing craftsmen	–	–	–	–	–	13	21	–	–	–	7	9	–
Stationary engineers and power station operators	–	–	–	–	91	4	–	–	–	–	6	–	10
Other craftsmen and kindred workers	44	7	–	249	192	58	15	58	11	–	248	–	4
Operatives, except transport	22	19	–	–	67	343	104	369	447	25	189	–	–
Assemblers	–	9	–	–	–	–	–	–	–	–	5	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	–	–	–	–	–	–	–	5	–	–	–	–
Painters, manufactured articles	–	–	–	–	–	–	–	–	–	–	–	–	–
Precision machine operatives	–	–	–	–	–	3	–	–	–	–	4	–	–
Welders and flamecutters	6	–	–	–	4	5	5	–	–	–	4	–	–
Other specified operatives	–	–	–	–	24	144	85	308	429	14	127	–	–
Machine operatives, miscellaneous specified	–	6	–	–	–	66	10	6	–	11	15	–	–
Machine operatives, not specified	–	–	–	–	–	34	4	21	–	–	10	–	–
Miscellaneous operatives	12	4	–	–	39	50	–	21	13	–	10	–	–
Not specified operatives	4	–	–	–	–	41	–	13	–	–	14	–	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
APPLETON–OSHKOSH SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	**104**	**639**	**227**	–	**73**	**458**	**51**	**79**	**42**	**40**	**200**	–	**11**
Deliverymen and routemen	–	55	–	–	4	168	51	74	–	40	94	–	–
Truck drivers	5	578	18	–	37	251	–	5	33	–	87	–	5
Other transport equipment operatives	99	6	209	–	32	39	–	–	9	–	19	–	6
Laborers, except farm	**50**	**51**	**17**	**11**	**159**	**151**	**74**	**422**	**64**	**33**	**184**	–	**31**
Freight, stock, and material handlers	5	47	–	–	112	111	64	399	13	7	93	–	–
Other specified laborers	–	–	12	–	33	14	4	10	35	6	52	–	21
Miscellaneous laborers	33	4	5	–	14	–	6	–	–	–	5	–	4
Not specified laborers	12	–	–	11	–	26	–	13	16	20	34	–	6
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**6**	–	**26**	**28**	**49**	**41**	**160**	**40**	**41**	**3 491**	**292**	**49**	**94**
Cleaning service workers	6	–	10	16	39	26	49	18	41	126	53	42	60
Personal service workers	–	–	–	–	–	–	12	5	–	16	6	–	5
Guards and watchmen	–	–	–	6	6	–	17	–	–	11	–	7	10
Other service workers, including private household	–	–	16	6	4	15	82	17	–	3 338	233	–	19
Female employed	**11**	**113**	**166**	**760**	**127**	**715**	**2 125**	**1 187**	**209**	**2 646**	**2 180**	**906**	**1 022**
Professional, technical, and kindred workers	–	**10**	**10**	**63**	**10**	**21**	**45**	–	**9**	**12**	**52**	**31**	**36**
Accountants	–	4	–	13	–	10	21	–	9	6	–	16	27
Computer specialists	–	–	–	3	–	–	–	–	–	–	–	5	–
Life and physical scientists	–	–	–	–	–	6	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	–	–	–	–	5	5	5	–	–	–	–	–	–
Social scientists	–	–	–	–	–	–	–	–	–	–	5	–	–
Writers, artists, and entertainers	–	–	–	10	–	–	3	–	–	–	14	–	9
Other professional, technical, and kindred workers	–	6	10	37	5	–	16	–	–	6	33	10	–
Managers and administrators, except farm	–	**6**	**5**	**34**	–	**30**	**94**	**61**	**5**	**66**	**98**	**42**	**90**
Salaried	–	–	5	34	–	25	89	43	–	13	56	42	90
Self-employed	–	6	–	–	–	5	5	18	5	53	42	–	–
Sales workers	–	–	**6**	**26**	–	**42**	**1 171**	**356**	**20**	**8**	**1 081**	**34**	**73**
Clerical and kindred workers	**6**	**83**	**80**	**586**	**102**	**462**	**556**	**596**	**149**	**126**	**623**	**768**	**771**
Bookkeepers	–	7	13	29	21	100	51	32	69	10	195	48	122
Cashiers	–	5	–	5	10	6	139	458	10	67	60	5	19
Counter clerks, except food	–	–	–	10	–	8	20	11	–	–	–	–	–
File clerks	–	–	–	9	–	6	–	–	5	–	–	30	6
Office machine operators	–	3	–	66	5	27	19	–	4	6	6	47	88
Bookkeeping and billing machine operators	–	–	–	12	–	7	–	–	–	–	6	–	53
Receptionists	–	5	–	–	9	16	–	5	–	–	10	25	10
Secretaries	–	20	11	31	23	133	31	10	21	17	95	223	126
Stenographers	–	–	–	5	5	8	–	–	9	–	6	24	10
Typists	–	9	–	35	6	32	16	5	19	–	6	75	25
Other clerical and kindred workers	6	34	56	396	23	126	280	75	12	26	245	291	365
Craftsmen and kindred workers	5	9	–	22	4	13	44	8	7	11	34	–	4
Foremen, n.e.c	–	–	–	10	4	–	29	–	–	6	6	–	4
Operatives, except transport	–	–	–	–	–	132	90	116	15	11	76	–	–
Assemblers	–	–	–	–	–	–	–	–	–	–	–	–	–
Checkers, examiners, and inspectors, manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	–	–	–	–	–	49	29	22	–	–	8	–	–
Other operatives, except transport	–	–	–	–	–	83	61	94	15	11	68	–	–
Transport equipment operatives	–	5	56	–	6	5	13	–	4	5	10	–	–
Laborers, except farm	–	–	9	11	–	5	16	36	–	3	10	–	–
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	–	–	18	5	5	96	14	–	2 404	196	31	48
Cleaning service workers	–	–	–	12	5	–	11	–	–	69	15	31	28
Personal service workers	–	–	–	–	–	–	12	5	–	–	6	–	5
Other service workers, including private household	–	–	–	6	–	5	73	9	–	2 335	175	–	15

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
APPLETON–OSHKOSH SMSA												
Total employed	**1 068**	**961**	**678**	**2 674**	**794**	**4 454**	**2 006**	**6 037**	**2 570**	**1 308**	**1 540**	**2 648**
Professional, technical, and kindred workers	**270**	**21**	**15**	**56**	**137**	**1 250**	**665**	**3 921**	**1 483**	**530**	**731**	**286**
Accountants	58	6	4	5	–	15	–	7	10	10	106	59
Architects	–	–	–	–	–	–	–	–	–	–	24	–
Computer specialists	4	–	–	–	–	–	–	5	6	–	–	–
Engineers	38	4	–	6	–	17	4	–	4	8	68	63
Chemical	4	–	–	–	–	–	–	–	4	–	9	10
Civil	–	–	–	–	–	6	–	–	–	–	25	47
Electrical and electronic	–	–	–	–	–	–	–	–	–	–	–	–
Industrial	10	–	–	6	–	7	–	–	–	4	–	6
Mechanical	–	4	–	–	–	–	–	–	–	4	20	–
Other engineers	24	–	–	–	–	4	4	–	–	–	14	–
Mathematical specialists	6	–	–	–	–	4	–	4	–	–	–	–
Life and physical scientists	24	–	–	–	–	8	5	–	24	–	15	7
Chemists	19	–	–	–	–	–	–	–	19	–	4	–
Personnel and labor relations workers	6	–	–	–	–	16	–	10	18	5	–	25
Social scientists	4	–	–	5	–	4	–	23	–	–	4	12
Engineering and science technicians	42	–	–	–	–	–	5	26	14	4	85	28
Draftsmen	4	–	–	–	–	–	–	–	–	–	57	8
Electrical and electronic engineering technicians	5	–	–	–	–	–	–	–	–	–	–	–
Industrial and mechanical engineering technicians	–	–	–	–	–	–	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	4	5	–	–	22
Writers, artists, and entertainers	57	–	11	31	93	5	–	44	43	78	61	–
Other professional, technical, and kindred workers	31	11	–	9	44	1 181	651	3 798	1 359	425	368	70
Managers and administrators, except farm	**85**	**67**	**109**	**117**	**85**	**44**	**40**	**224**	**91**	**88**	**54**	**326**
Buyers, purchasing agents, and sales managers	5	6	–	5	–	5	–	10	9	–	–	16
Other managers and administrators	80	61	109	112	85	39	40	214	82	88	54	310
Salaried	64	37	45	64	67	39	40	214	82	83	54	310
Self-employed	16	24	64	48	18	–	–	–	–	5	–	–
Sales workers	**44**	**23**	**–**	**62**	**38**	**10**	**–**	**3**	**15**	**14**	**15**	**5**
Clerical and kindred workers	**257**	**76**	**73**	**213**	**84**	**552**	**395**	**1 088**	**431**	**280**	**525**	**949**
Bookkeepers	24	23	17	29	–	22	29	27	17	25	44	10
Cashiers	5	–	–	11	48	24	–	9	16	10	–	19
Estimators and investigators, n.e.c	4	10	–	–	–	5	–	–	–	–	6	–
Office machine operators	–	–	–	–	–	10	13	40	11	–	5	11
Shipping and receiving clerks	–	–	–	–	–	–	–	–	–	–	4	–
Stock clerks and storekeepers	6	–	7	6	–	21	–	17	14	9	–	5
Other clerical and kindred workers	218	43	49	167	36	470	353	995	373	236	466	904
Craftsmen and kindred workers	**105**	**462**	**15**	**54**	**36**	**97**	**43**	**139**	**34**	**9**	**31**	**94**
Blacksmiths, forgemen, hammermen, and boilermakers	–	5	–	–	–	–	–	–	–	–	–	6
Brickmasons and stonemasons	–	–	6	–	–	6	–	–	–	–	–	–
Carpenters	7	–	–	–	–	4	–	12	5	4	–	–
Cranemen, derrickmen, and hoistmen	–	–	–	–	–	–	–	–	–	–	–	–
Electricians	–	–	–	–	–	6	–	16	3	–	–	–
Excavating, grading, and road machine operators	–	–	–	–	–	–	–	–	–	–	–	–
Foremen, n.e.c	9	17	–	12	–	19	–	31	10	–	4	20
Mechanics and repairmen	48	381	9	5	36	15	–	30	4	–	5	33
Automobile, including body	13	285	–	–	–	–	–	–	–	–	–	18
Machinists, job setters, and toolmakers	–	–	–	–	–	4	–	5	–	–	–	–
Metal craftsmen, except mechanics and machinists	–	–	–	–	–	–	–	–	–	–	6	–
Painters, construction and maintenance, and plasterers and paperhangers	–	–	–	–	–	11	5	13	4	–	–	10
Plumbers and pipe fitters	8	–	–	–	–	5	–	8	–	–	–	–
Printing craftsmen	–	–	–	–	–	–	–	–	4	–	–	–
Stationary engineers and power station operators	–	–	–	–	–	20	–	11	–	–	–	–
Other craftsmen and kindred workers	33	59	–	37	–	7	38	13	4	5	16	25
Operatives, except transport	**77**	**104**	**14**	**334**	**5**	**113**	**22**	**15**	**25**	**7**	**34**	**16**
Assemblers	–	–	–	–	–	–	–	–	6	–	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	–	–	–	–	–	–	–	–	–	–	–
Painters, manufactured articles	–	4	–	–	–	–	–	–	–	–	–	–
Precision machine operatives	–	5	–	–	–	–	–	–	–	–	4	–
Welders and flamecutters	–	48	–	5	–	–	–	–	–	–	–	–
Other specified operatives	61	37	14	325	–	102	18	9	6	7	15	–
Machine operatives, miscellaneous specified	11	10	–	–	5	–	–	–	7	–	5	5
Machine operatives, not specified	–	–	–	–	–	–	–	–	–	–	–	11
Miscellaneous operatives	5	–	–	–	–	5	4	6	6	–	10	–
Not specified operatives	–	–	–	4	–	6	–	–	–	–	–	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
APPLETON–OSHKOSH SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	9	28	–	78	9	7	–	17	9	11	–	42
Deliverymen and routemen	5	13	–	48	–	–	–	–	5	7	–	9
Truck drivers	4	5	–	12	–	–	–	11	–	4	–	28
Other transport equipment operatives	–	10	–	18	9	7	–	6	4	–	–	5
Laborers, except farm	33	135	6	115	64	30	5	24	14	6	–	64
Freight, stock, and material handlers	10	–	–	44	–	–	–	–	–	–	–	14
Other specified laborers	–	123	–	30	48	6	5	24	9	6	–	37
Miscellaneous laborers	–	5	–	4	–	–	–	–	–	–	–	–
Not specified laborers	23	7	6	37	16	24	–	–	5	–	–	13
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	188	45	446	1 645	336	2 351	836	606	468	363	150	866
Cleaning service workers	128	15	156	70	51	317	80	346	159	190	7	84
Personal service workers	5	16	74	648	117	18	22	58	35	65	–	9
Guards and watchmen	50	–	–	–	–	16	6	20	5	–	–	28
Other service workers, including private household	5	14	216	927	168	2 000	728	182	269	108	143	745
Female employed	425	121	392	2 024	326	3 551	1 473	3 466	1 747	686	826	642
Professional, technical, and kindred workers	78	–	4	15	47	1 000	241	2 173	1 001	209	179	49
Accountants	28	–	4	5	–	7	–	–	5	10	14	24
Computer specialists	–	–	–	–	–	–	–	–	6	–	–	–
Life and physical scientists	–	–	–	–	–	–	–	–	–	–	4	–
Registered nurses, dietitians, and therapists	–	–	–	5	–	768	166	32	4	–	–	–
Social scientists	–	–	–	–	–	–	–	4	–	–	–	–
Writers, artists, and entertainers	29	–	–	5	24	–	–	18	27	68	9	–
Other professional, technical, and kindred workers	21	–	–	–	23	225	75	2 119	959	131	152	25
Managers and administrators, except farm	14	6	47	20	15	6	31	32	64	16	16	48
Salaried	9	6	20	10	10	6	31	32	64	16	16	48
Self-employed	5	–	27	10	5	–	–	–	–	–	–	–
Sales workers	5	8	–	34	28	10	–	–	5	–	10	–
Clerical and kindred workers	230	55	47	187	79	529	390	976	360	251	473	403
Bookkeepers	24	23	11	20	–	22	29	27	10	22	38	10
Cashiers	5	–	–	11	48	24	–	9	16	10	–	19
Counter clerks, except food	–	–	22	51	5	–	–	–	26	–	–	–
File clerks	9	–	–	–	–	5	–	22	6	–	–	5
Office machine operators	–	–	–	–	–	10	13	31	6	–	–	6
Bookkeeping and billing machine operators	–	–	–	–	–	–	13	–	–	–	–	–
Receptionists	16	–	5	19	7	49	145	43	9	14	27	20
Secretaries	49	7	4	13	–	140	120	264	103	130	236	95
Stenographers	10	–	–	–	–	5	–	18	–	–	6	26
Typists	20	–	–	–	–	41	16	118	62	24	28	49
Other clerical and kindred workers	97	25	5	73	19	233	67	444	122	51	138	173
Craftsmen and kindred workers	7	–	–	31	–	–	12	4	9	–	–	–
Foremen, n.e.c	–	–	–	12	–	–	–	–	5	–	–	–
Operatives, except transport	32	8	6	269	–	59	22	10	13	–	20	6
Assemblers	–	–	–	–	–	–	–	–	6	–	–	–
Checkers, examiners, and inspectors, manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	10	–	–	–	–	–	–	–	–	–	–	–
Other operatives, except transport	22	8	6	269	–	59	22	10	7	–	20	6
Transport equipment operatives	5	–	–	–	–	–	–	–	–	7	–	11
Laborers, except farm	7	24	–	49	6	–	–	5	–	–	–	10
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	47	20	288	1 419	151	1 947	777	266	295	203	128	115
Cleaning service workers	42	5	111	39	11	240	58	61	56	63	7	20
Personal service workers	5	10	42	479	21	9	22	46	35	50	–	3
Other service workers, including private household	–	5	135	901	119	1 698	697	159	204	90	121	92

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
DULUTH–SUPERIOR, MINN.–WIS., SMSA												
Total employed	**91 351**	**1 139**	**9 056**	**5 098**	**12 939**	**994**	**310**	**2 372**	**64**	**1 078**	**1 098**	**340**
Professional, technical, and kindred workers	**12 974**	**93**	**667**	**354**	**813**	**19**	**18**	**123**	**5**	**22**	**136**	**51**
Accountants	676	–	82	14	81	4	–	20	–	–	13	4
Architects	38	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	89	–	18	–	8	–	–	–	–	–	4	–
Engineers	943	8	290	130	137	–	4	35	5	8	43	18
Chemical	18	–	–	5	8	–	–	–	–	–	–	4
Civil	227	8	21	87	12	–	–	7	–	–	5	–
Electrical and electronic	161	–	23	18	35	–	–	6	5	3	16	5
Industrial	95	–	44	–	28	–	–	9	–	–	5	9
Mechanical	169	–	41	4	23	–	–	7	–	5	11	–
Other engineers	273	–	161	16	31	–	4	6	–	–	6	–
Mathematical specialists	12	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	264	10	91	4	55	–	–	32	–	–	–	–
Chemists	147	–	73	4	37	–	–	32	–	–	–	–
Personnel and labor relations workers	321	8	24	8	41	7	5	11	–	–	4	–
Social scientists	62	–	–	–	–	–	–	–	–	–	–	–
Engineering and science technicians	784	–	124	142	204	–	9	7	–	14	69	23
Draftsmen	287	–	33	46	83	–	5	3	–	9	59	–
Electrical and electronic engineering technicians	85	–	–	–	38	–	–	–	–	5	6	17
Industrial and mechanical engineering technicians	14	–	–	–	9	–	–	4	–	–	–	–
Technicians, except health, and engineering and science	143	–	5	5	3	–	–	3	–	–	–	–
Writers, artists, and entertainers	643	5	–	18	215	–	–	7	–	–	–	6
Other professional, technical, and kindred workers	8 999	62	33	33	69	8	–	8	–	–	3	–
Managers and administrators, except farm	**7 625**	**31**	**131**	**423**	**485**	**41**	**21**	**15**	**–**	**46**	**45**	**22**
Buyers, purchasing agents, and sales managers	830	6	29	50	70	5	–	–	–	5	10	16
Other managers and administrators	6 795	25	102	373	415	36	21	15	–	41	35	6
Salaried	5 464	14	102	246	362	27	21	15	–	31	32	6
Self-employed	1 331	11	–	127	53	9	–	–	–	10	3	–
Sales workers	**5 718**	**–**	**5**	**14**	**471**	**–**	**–**	**–**	**–**	**20**	**46**	**5**
Clerical and kindred workers	**13 668**	**58**	**361**	**342**	**1 324**	**60**	**34**	**161**	**–**	**67**	**98**	**49**
Bookkeepers	1 786	22	33	107	202	15	6	26	–	11	15	–
Cashiers	902	–	6	5	9	–	–	–	–	–	–	–
Estimators and investigators, n.e.c	237	3	5	82	10	–	–	–	–	–	–	–
Office machine operators	298	–	21	–	61	–	–	14	–	11	–	–
Shipping and receiving clerks	314	–	4	–	97	4	–	4	–	18	10	–
Stock clerks and storekeepers	431	–	56	20	64	6	11	9	–	–	8	–
Other clerical and kindred workers	9 700	33	236	128	881	35	17	108	–	27	65	49
Craftsmen and kindred workers	**16 226**	**77**	**4 222**	**2 728**	**3 099**	**238**	**75**	**794**	**25**	**331**	**249**	**65**
Blacksmiths, forgemen, hammermen, and boilermakers	151	–	32	20	65	–	–	9	–	18	–	–
Brickmasons and stonemasons	159	–	15	112	32	–	–	32	–	–	–	–
Carpenters	740	5	34	478	54	8	–	10	–	5	9	–
Cranemen, derrickmen, and hoistmen	436	4	113	26	228	41	21	121	–	17	18	–
Electricians	984	–	404	282	83	9	–	41	5	–	17	–
Excavating, grading, and road machine operators	1 102	17	595	394	46	5	5	24	–	–	–	–
Foremen, n.e.c	2 467	9	937	192	645	47	11	121	11	70	50	20
Mechanics and repairmen	4 234	16	1 387	162	401	41	16	85	–	14	67	26
Automobile, including body	1 414	–	297	37	30	–	–	–	–	–	–	6
Machinists, job setters, and toolmakers	552	–	137	10	325	12	9	51	–	125	66	5
Metal craftsmen, except mechanics and machinists	685	–	238	151	281	7	9	156	9	46	22	–
Painters, construction and maintenance, and plasterers and paperhangers	320	5	26	177	5	5	–	–	–	–	–	–
Plumbers and pipe fitters	428	–	50	250	33	–	–	18	–	6	–	–
Printing craftsmen	406	–	–	7	388	7	–	5	–	–	–	–
Stationary engineers and power station operators	485	–	35	4	107	–	–	64	–	–	–	–
Other craftsmen and kindred workers	3 077	21	219	463	406	56	4	57	–	30	–	14
Operatives, except transport	**10 629**	**8**	**2 214**	**348**	**4 489**	**176**	**104**	**719**	**34**	**464**	**443**	**138**
Assemblers	331	–	–	–	302	3	–	4	10	33	85	68
Checkers, examiners, and inspectors; manufacturing	153	–	–	–	153	5	–	30	–	5	–	31
Filers, polishers, sanders, and buffers	63	–	–	–	51	–	–	–	–	51	–	–
Painters, manufactured articles	43	–	–	–	27	–	–	10	5	–	6	–
Precision machine operatives	265	–	22	10	203	7	5	41	–	71	62	–
Welders and flamecutters	1 115	–	401	115	391	6	5	92	–	94	133	–
Other specified operatives	6 692	–	1 791	160	2 041	68	39	248	6	81	48	29
Machine operatives, miscellaneous specified	740	–	–	8	588	35	48	93	6	32	45	4
Machine operatives, not specified	454	–	–	10	309	28	3	65	–	61	29	–
Miscellaneous operatives	549	4	–	36	289	14	–	101	–	14	20	6
Not specified operatives	224	4	–	9	135	10	4	35	7	22	5	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	**4 281**	**23**	**898**	**213**	**632**	**94**	**16**	**91**	–	**22**	**14**	–
Deliverymen and routemen	606	–	15	6	181	5	–	–	–	–	–	–
Truck drivers	2 221	23	800	171	281	43	10	27	–	15	8	–
Other transport equipment operatives	1 454	–	83	36	170	46	6	64	–	7	6	–
Laborers, except farm	**4 861**	**82**	**331**	**612**	**1 246**	**334**	**35**	**417**	–	**73**	**40**	**6**
Freight, stock, and material handlers	1 651	4	122	11	224	27	8	68	–	5	4	–
Other specified laborers	1 645	62	80	601	394	254	10	52	–	–	4	–
Miscellaneous laborers	627	5	51	–	210	6	–	173	–	10	5	–
Not specified laborers	938	11	78	–	418	47	17	124	–	58	27	6
Farm workers	**752**	**752**	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**14 617**	**15**	**227**	**64**	**380**	**32**	**7**	**52**	–	**33**	**27**	**4**
Cleaning service workers	3 205	10	185	55	223	32	–	17	–	11	22	–
Personal service workers	1 404	–	4	–	15	–	–	–	–	–	–	–
Guards and watchmen	255	–	27	5	68	–	7	35	–	13	–	–
Other service workers, including private household	9 753	5	11	4	74	–	–	–	–	9	5	4
Female employed	**32 616**	**226**	**194**	**280**	**3 039**	**69**	**15**	**64**	**10**	**50**	**106**	**176**
Professional, technical, and kindred workers	**5 699**	**5**	**14**	**27**	**133**	**4**	**4**	**4**	–	–	**3**	**4**
Accountants	167	–	5	10	12	–	–	–	–	–	–	–
Computer specialists	16	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	32	–	–	–	9	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	1 347	–	5	7	4	–	–	4	–	–	–	–
Social scientists	12	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	194	–	–	–	62	–	–	–	–	–	–	–
Other professional, technical, and kindred workers	3 931	5	4	10	46	4	4	–	–	–	3	4
Managers and administrators, except farm	**1 239**	**6**	**8**	**15**	**44**	–	–	–	–	–	–	–
Salaried	933	6	8	15	44	–	–	–	–	–	–	–
Self-employed	306	–	–	–	–	–	–	–	–	–	–	–
Sales workers	**2 538**	–	–	**4**	**37**	–	–	–	–	–	–	–
Clerical and kindred workers	**10 178**	**53**	**109**	**205**	**848**	**43**	**11**	**45**	–	**34**	**49**	**26**
Bookkeepers	1 532	17	14	102	168	15	–	16	–	11	12	–
Cashiers	838	–	6	5	5	–	–	–	–	–	–	–
Counter clerks, except food	193	–	–	–	26	–	–	–	–	–	–	–
File clerks	137	–	–	–	18	–	–	–	–	–	–	–
Office machine operators	250	–	21	–	39	–	–	3	–	4	–	–
Bookkeeping and billing machine operators	59	–	–	–	5	–	–	–	–	–	–	–
Receptionists	344	3	–	7	5	–	–	–	–	–	–	5
Secretaries	2 377	21	38	10	166	14	–	9	–	6	21	9
Stenographers	275	–	3	–	35	–	11	–	–	–	6	6
Typists	728	5	13	35	102	5	–	–	–	5	5	–
Other clerical and kindred workers	3 504	7	14	46	284	9	–	17	–	8	5	6
Craftsmen and kindred workers	**502**	**24**	**26**	**18**	**138**	–	–	**9**	–	–	**7**	**20**
Foremen, n.e.c.	126	–	–	–	83	–	–	–	–	–	7	11
Operatives, except transport	**2 602**	**4**	**20**	**5**	**1 654**	**10**	–	**6**	**10**	**11**	**32**	**116**
Assemblers	178	–	–	–	154	–	–	–	10	–	14	68
Checkers, examiners, and inspectors; manufacturing	60	–	–	–	60	–	–	–	–	–	–	16
Packers and wrappers, except meat and produce	210	–	–	–	129	–	–	–	–	6	–	–
Other operatives, except transport	2 154	4	20	5	1 311	10	–	6	–	5	18	32
Transport equipment operatives	**93**	–	**11**	–	–	–	–	–	–	–	–	–
Laborers, except farm	**310**	**11**	**6**	–	**75**	**12**	–	–	–	–	**5**	**6**
Farm workers	**119**	**119**	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**9 336**	**4**	–	**6**	**110**	–	–	–	–	**5**	**10**	**4**
Cleaning service workers	938	4	–	6	53	–	–	–	–	5	10	–
Personal service workers	1 030	–	–	–	10	–	–	–	–	–	–	–
Other service workers, including private household	7 368	–	–	–	47	–	–	–	–	–	–	4

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
DULUTH–SUPERIOR, MINN.–WIS., SMSA													
Total employed	37	30	260	–	413	1 859	193	1 237	342	1 356	297	31	628
Professional, technical, and kindred workers	7	–	11	–	28	63	11	10	26	199	20	6	58
Accountants	–	–	–	–	5	9	–	5	–	16	–	–	5
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	–	–	–	–	–	4	–	–	–	–	–	–	–
Engineers	–	–	–	–	–	4	–	–	5	–	15	–	–
Chemical	–	–	–	–	–	–	–	–	–	–	4	–	–
Civil	–	–	–	–	–	–	–	–	–	–	–	–	–
Electrical and electronic	–	–	–	–	–	–	–	–	–	–	–	–	–
Industrial	–	–	–	–	–	–	–	–	5	–	–	–	–
Mechanical	–	–	–	–	–	–	–	–	–	–	–	–	–
Other engineers	–	–	–	–	–	4	–	–	–	–	11	–	–
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	–	–	–	–	–	13	–	–	–	–	–	–	10
Chemists	–	–	–	–	–	5	–	–	–	–	–	–	–
Personnel and labor relations workers	–	–	4	–	–	4	6	–	–	–	–	–	–
Social scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Engineering and science technicians	7	–	7	–	4	20	–	–	5	–	5	6	28
Draftsmen	–	–	7	–	–	–	–	–	–	–	–	–	–
Electrical and electronic engineering technicians	–	–	–	–	4	6	–	–	–	–	–	–	–
Industrial and mechanical engineering technicians	–	–	–	–	–	–	–	–	–	–	5	–	–
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	–	–	–	–	9	5	–	5	–	183	–	–	–
Other professional, technical, and kindred workers	–	–	–	–	10	4	5	–	16	–	–	–	15
Managers and administrators, except farm	–	–	11	–	29	126	–	25	–	73	26	–	5
Buyers, purchasing agents, and sales managers	–	–	–	–	–	13	–	4	–	11	6	–	–
Other managers and administrators	–	–	11	–	29	113	–	21	–	62	20	–	5
Salaried	–	–	11	–	20	96	–	21	–	57	20	–	5
Self-employed	–	–	–	–	9	17	–	–	–	5	–	–	–
Sales workers	–	6	–	–	6	73	6	10	26	186	53	–	34
Clerical and kindred workers	11	–	20	–	39	216	17	75	33	321	24	10	89
Bookkeepers	6	–	6	–	3	43	–	6	–	54	11	–	–
Cashiers	–	–	–	–	–	9	–	–	–	–	–	–	–
Estimators and investigators, n.e.c	–	–	–	–	–	5	–	–	–	5	–	–	–
Office machine operators	–	–	–	–	–	9	5	–	–	18	4	–	–
Shipping and receiving clerks	–	–	–	–	–	45	–	12	4	–	–	–	–
Stock clerks and storekeepers	–	–	9	–	5	11	–	–	–	5	–	–	–
Other clerical and kindred workers	5	–	5	–	31	94	12	57	29	239	9	10	89
Craftsmen and kindred workers	5	3	141	–	67	313	13	78	88	443	61	9	101
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	38	–	–	–	–	–	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	–	–	–	–	–
Carpenters	–	–	13	–	–	5	–	–	4	–	–	–	–
Cranemen, derrickmen, and hoistmen	–	–	–	–	–	–	–	–	5	–	–	–	5
Electricians	–	–	–	–	–	–	6	–	5	–	–	–	–
Excavating, grading, and road machine operators	–	–	–	–	–	–	–	–	7	–	5	–	–
Foremen, n.e.c	–	–	14	–	10	137	7	36	4	61	25	–	21
Mechanics and repairmen	–	3	14	–	–	56	–	3	16	6	27	5	22
Automobile, including body	–	–	–	–	–	8	–	–	11	–	5	–	–
Machinists, job setters, and toolmakers	5	–	44	–	–	4	–	4	–	–	–	–	–
Metal craftsmen, except mechanics and machinists	–	–	11	–	–	5	–	–	16	–	–	–	–
Painters, construction and maintenance, and plasterers and paperhangers	–	–	–	–	–	–	–	–	–	–	–	–	–
Plumbers and pipe fitters	–	–	–	–	–	–	–	–	5	–	–	–	4
Printing craftsmen	–	–	–	–	–	–	–	–	–	376	–	–	–
Stationary engineers and power station operators	–	–	–	–	–	15	–	–	4	–	–	4	20
Other craftsmen and kindred workers	–	–	7	–	57	91	–	35	22	–	4	–	29
Operatives, except transport	14	21	71	–	193	522	131	958	103	63	42	6	287
Assemblers	–	16	–	–	18	65	–	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	22	–	26	3	5	3	–	23
Filers, polishers, sanders, and buffers	–	–	–	–	6	–	–	–	–	–	–	–	–
Painters, manufactured articles	–	–	–	–	12	–	–	–	–	–	–	–	–
Precision machine operatives	14	–	35	–	6	–	–	–	5	–	–	–	6
Welders and flamecutters	–	–	10	–	111	221	131	804	36	15	26	–	168
Other specified operatives	–	5	11	–	–	114	–	58	35	12	9	6	75
Machine operatives, miscellaneous specified	–	–	5	–	20	35	–	5	21	19	4	–	4
Machine operatives, not specified	–	–	10	–	5	43	–	57	–	12	–	–	7
Miscellaneous operatives	–	–	–	–	15	22	–	8	3	–	–	–	4
Not specified operatives													

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	–	–	–	–	4	267	–	–	34	21	61	–	8
Deliverymen and routemen	–	–	–	–	4	157	–	–	–	10	5	–	–
Truck drivers	–	–	–	–	–	83	–	–	24	7	56	–	8
Other transport equipment operatives	–	–	–	–	–	27	–	–	10	4	–	–	–
Laborers, except farm	–	–	–	–	33	152	15	47	28	15	10	–	41
Freight, stock, and material handlers	–	–	–	–	–	55	–	28	10	15	–	–	4
Other specified laborers	–	–	–	–	14	32	–	–	–	–	–	–	28
Miscellaneous laborers	–	–	–	–	5	11	–	–	–	–	–	–	–
Not specified laborers	–	–	–	–	14	54	15	19	18	–	10	–	9
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	–	6	–	14	127	–	34	4	35	–	–	5
Cleaning service workers	–	–	6	–	14	64	–	23	4	30	–	–	–
Personal service workers	–	–	–	–	–	5	–	–	–	5	–	–	5
Guards and watchmen	–	–	–	–	–	13	–	–	–	–	–	–	–
Other service workers, including private household	–	–	–	–	–	45	–	11	–	–	–	–	–
Female employed	6	27	12	–	99	487	118	1 097	33	463	15	16	176
Professional, technical, and kindred workers	–	–	–	–	–	18	5	5	–	69	–	6	11
Accountants	–	–	–	–	–	–	–	–	–	12	–	–	–
Computer specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	–	–	–	–	–	4	–	–	–	–	–	–	5
Registered nurses, dietitians, and therapists	–	–	–	–	–	–	–	–	–	–	–	–	–
Social scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	–	–	–	–	–	–	–	5	–	57	–	–	–
Other professional, technical, and kindred workers	–	–	–	–	–	14	5	–	–	–	–	6	6
Managers and administrators, except farm	–	–	–	–	–	12	–	7	–	25	–	–	–
Salaried	–	–	–	–	–	12	–	7	–	25	–	–	–
Self-employed	–	–	–	–	–	–	–	–	–	–	–	–	–
Sales workers	–	6	–	–	–	10	–	4	–	17	–	–	–
Clerical and kindred workers	6	–	6	–	21	137	17	69	23	280	15	10	56
Bookkeepers	6	–	6	–	3	38	–	6	–	49	6	–	–
Cashiers	–	–	–	–	–	5	–	–	–	–	–	–	–
Counter clerks, except food	–	–	–	–	–	–	–	–	–	26	–	–	–
File clerks	–	–	–	–	–	–	–	18	–	–	–	–	–
Office machine operators	–	–	–	–	–	9	5	–	–	18	–	–	–
Bookkeeping and billing machine operators	–	–	–	–	–	–	–	–	–	5	–	–	–
Receptionists	–	–	–	–	–	–	–	–	–	–	–	–	–
Secretaries	–	–	–	–	5	33	–	9	13	9	4	10	24
Stenographers	–	–	–	–	–	–	7	–	–	5	–	–	–
Typists	–	–	–	–	–	–	–	8	10	48	5	–	16
Other clerical and kindred workers	–	–	–	–	13	52	5	28	–	125	–	–	16
Craftsmen and kindred workers	–	–	–	–	5	16	7	36	–	35	–	–	3
Foremen, n.e.c	–	–	–	–	5	–	7	31	–	22	–	–	–
Operatives, except transport	–	21	–	–	50	248	89	931	6	23	–	–	101
Assemblers	–	16	–	–	11	35	–	–	–	–	–	–	–
Checkers, examiners, and inspectors, manufacturing	–	–	–	–	–	10	–	26	–	–	–	–	8
Packers and wrappers, except meat and produce	–	–	–	–	15	71	–	37	–	–	–	–	–
Other operatives, except transport	–	5	–	–	24	132	89	868	6	23	–	–	93
Transport equipment operatives	–	–	–	–	–	–	–	–	–	–	–	–	–
Laborers, except farm	–	–	–	–	9	9	–	34	–	–	–	–	–
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	–	6	–	14	37	–	11	4	14	–	–	5
Cleaning service workers	–	–	6	–	14	5	–	–	4	9	–	–	–
Personal service workers	–	–	–	–	–	–	–	–	–	5	–	–	5
Other service workers, including private household	–	–	–	–	–	32	–	11	–	–	–	–	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
DULUTH–SUPERIOR, MINN.–WIS., SMSA													
Total employed	**3 479**	**805**	**1 792**	**1 123**	**2 030**	**3 641**	**2 312**	**2 430**	**2 328**	**3 608**	**5 441**	**1 012**	**1 989**
Professional, technical, and kindred workers	**138**	**5**	**131**	**168**	**250**	**100**	**41**	**7**	**10**	**31**	**227**	**16**	**87**
Accountants	35	–	14	5	65	33	10	7	5	–	26	6	47
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	5	–	–	–	19	–	–	–	–	–	–	–	10
Engineers	46	–	73	28	70	17	–	–	–	–	–	10	–
Chemical	–	–	–	–	–	5	–	–	–	–	–	–	–
Civil	8	–	6	–	12	–	–	–	–	–	–	–	–
Electrical and electronic	6	–	–	28	47	–	–	–	–	–	–	–	–
Industrial	18	–	–	–	–	–	–	–	–	–	–	5	–
Mechanical	5	–	67	–	6	5	–	–	–	–	–	–	–
Other engineers	9	–	–	–	5	7	–	–	–	–	–	5	–
Mathematical specialists	6	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	–	–	–	–	5	–	–	–	–	–	–	–	6
Chemists	–	–	–	–	–	–	–	–	–	–	–	–	–
Personnel and labor relations workers	26	5	–	5	4	10	10	–	5	–	9	–	9
Social scientists	–	–	–	–	5	–	–	–	–	–	–	–	–
Engineering and science technicians	14	–	14	5	20	15	–	–	–	–	–	–	–
Draftsmen	–	–	–	–	11	6	–	–	–	–	–	–	–
Electrical and electronic engineering technicians	5	–	–	5	–	4	–	–	–	–	–	–	–
Industrial and mechanical engineering technicians	–	–	–	–	–	5	–	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	10	12	10	4	–	–	–	–	–	–	–
Writers, artists, and entertainers	–	–	–	107	10	13	9	–	–	31	3	–	–
Other professional, technical, and kindred workers	6	–	20	6	42	8	12	–	–	–	189	–	15
Managers and administrators, except farm	**425**	**75**	**186**	**80**	**103**	**565**	**344**	**386**	**433**	**421**	**915**	**92**	**485**
Buyers, purchasing agents, and sales managers	4	–	–	4	–	129	135	58	18	6	206	27	13
Other managers and administrators	421	75	186	76	103	436	209	328	415	415	709	65	472
Salaried	421	58	181	76	98	354	183	172	288	152	489	61	456
Self-employed	–	17	5	–	5	82	26	156	127	263	220	4	16
Sales workers	**5**	**7**	**–**	**43**	**26**	**789**	**1 010**	**342**	**263**	**54**	**1 852**	**414**	**258**
Clerical and kindred workers	**505**	**64**	**141**	**418**	**346**	**569**	**546**	**443**	**243**	**115**	**907**	**469**	**906**
Bookkeepers	29	19	10	16	34	111	45	44	117	42	277	51	138
Cashiers	4	–	–	10	10	–	200	331	4	61	116	–	6
Estimators and investigators, n.e.c	–	3	–	–	–	11	9	–	13	–	10	18	6
Office machine operators	22	–	–	–	23	28	5	5	11	–	16	–	33
Shipping and receiving clerks	21	–	4	7	–	49	69	5	–	–	31	–	–
Stock clerks and storekeepers	42	7	–	15	13	16	36	18	14	–	27	–	–
Other clerical and kindred workers	387	35	127	370	266	354	182	40	84	12	430	400	723
Craftsmen and kindred workers	**1 293**	**125**	**114**	**376**	**724**	**485**	**110**	**89**	**558**	**16**	**561**	**11**	**26**
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	–	–	11	5	–	–	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	–	–	–	–	–
Carpenters	41	–	–	–	–	11	6	–	–	6	35	–	–
Cranemen, derrickmen, and hoistmen	15	–	–	–	5	39	–	–	–	–	–	–	–
Electricians	72	9	6	–	56	9	–	–	4	–	20	–	–
Excavating, grading, and road machine operators	8	–	–	–	24	4	–	–	–	–	–	–	–
Foremen, n.e.c	180	37	10	33	70	128	39	10	35	–	46	–	10
Mechanics and repairmen	401	51	57	7	158	169	34	6	509	–	100	–	–
Automobile, including body	5	48	9	–	16	34	8	–	501	–	18	–	–
Machinists, job setters, and toolmakers	32	–	–	–	5	11	–	–	5	6	–	–	–
Metal craftsmen, except mechanics and machinists	5	–	–	–	–	5	–	–	–	–	–	–	–
Painters, construction and maintenance, and plasterers and paperhangers	21	–	5	–	4	–	–	–	–	–	–	–	6
Plumbers and pipe fitters	21	–	–	–	13	4	–	–	–	–	30	–	–
Printing craftsmen	–	–	–	–	6	–	–	–	–	–	–	–	–
Stationary engineers and power station operators	5	–	6	–	128	9	6	–	–	–	–	–	10
Other craftsmen and kindred workers	492	28	30	336	244	91	25	73	5	4	330	11	–
Operatives, except transport	**212**	**14**	**521**	**10**	**100**	**360**	**31**	**417**	**708**	**21**	**225**	**–**	**4**
Assemblers	–	–	–	–	–	11	–	5	–	–	5	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	–	–	–	–	4	–	–	–	–	–	–	–
Painters, manufactured articles	–	–	–	–	–	–	–	–	–	–	–	–	–
Precision machine operatives	6	–	–	–	–	12	–	–	–	–	–	–	–
Welders and flamecutters	53	–	–	–	9	58	–	–	–	–	16	–	–
Other specified operatives	26	4	501	–	40	129	27	346	703	12	195	–	4
Machine operatives, miscellaneous specified	9	–	–	4	15	56	–	7	–	9	–	–	–
Machine operatives, not specified	62	5	5	6	5	39	–	–	–	–	4	–	–
Miscellaneous operatives	37	5	15	–	31	41	4	34	–	–	5	–	–
Not specified operatives	19	–	–	–	–	10	–	25	5	–	–	–	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	431	441	484	10	128	342	30	100	43	12	193	–	10
Deliverymen and routemen	–	22	7	10	–	110	24	63	10	5	85	–	–
Truck drivers	12	402	5	–	75	198	6	32	33	–	80	–	–
Other transport equipment operatives	419	17	472	–	53	34	–	5	–	7	28	–	10
Laborers, except farm	377	52	105	8	304	355	71	503	47	6	209	–	37
Freight, stock, and material handlers	30	39	68	–	168	214	71	474	14	–	105	–	–
Other specified laborers	27	–	32	3	68	22	–	4	17	–	51	–	22
Miscellaneous laborers	246	–	–	–	58	17	–	–	–	–	20	–	5
Not specified laborers	74	13	5	5	10	102	–	25	16	6	33	–	10
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	93	22	110	10	49	76	129	143	23	2 932	352	10	176
Cleaning service workers	22	22	18	–	25	41	41	23	23	99	61	10	122
Personal service workers	–	–	19	6	–	5	14	–	–	20	39	–	25
Guards and watchmen	26	–	9	4	5	10	–	–	–	–	12	–	6
Other service workers, including private household	45	–	64	–	19	20	74	120	–	2 813	240	–	23
Female employed	88	51	155	407	239	587	1 607	1 135	271	2 241	2 687	412	1 006
Professional, technical, and kindred workers	–	–	–	18	16	13	24	–	5	13	53	6	29
Accountants	–	–	–	5	–	8	5	–	5	–	6	6	16
Computer specialists	–	–	–	–	4	–	–	–	–	–	–	–	3
Life and physical scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	–	–	–	–	–	–	–	–	–	–	–	–	5
Social scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	–	–	–	13	5	–	9	–	–	13	3	–	–
Other professional, technical, and kindred workers	–	–	–	–	7	5	10	–	–	–	44	–	5
Managers and administrators, except farm	6	12	9	7	4	67	118	98	23	121	221	4	42
Salaried	6	12	9	7	4	59	103	28	6	28	181	4	42
Self-employed	–	–	–	–	–	8	15	70	17	93	40	–	–
Sales workers	–	–	–	–	6	41	828	257	18	43	1 147	35	48
Clerical and kindred workers	62	34	89	370	188	348	485	409	193	94	789	367	812
Bookkeepers	–	11	10	16	23	86	41	44	107	30	256	51	122
Cashiers	–	–	–	5	10	–	200	315	–	52	104	–	6
Counter clerks, except food	–	–	–	4	–	5	24	5	–	4	2	–	4
File clerks	–	–	–	4	6	23	4	–	5	–	15	–	11
Office machine operators	5	–	–	–	19	28	5	5	11	–	16	–	33
Bookkeeping and billing machine operators	–	–	–	–	3	–	–	–	5	–	16	–	20
Receptionists	–	–	–	10	10	9	–	–	4	–	9	–	9
Secretaries	5	12	31	23	24	96	–	–	45	5	111	187	186
Stenographers	15	–	5	–	27	5	5	–	–	–	–	–	13
Typists	9	–	10	11	16	21	22	4	–	–	28	28	45
Other clerical and kindred workers	28	11	33	297	53	75	184	36	21	3	248	101	383
Craftsmen and kindred workers	9	–	–	–	15	15	28	24	9	4	81	–	–
Foremen, n.e.c	5	–	–	–	5	15	9	–	–	–	–	–	–
Operatives, except transport	6	–	4	–	5	77	21	141	17	5	129	–	–
Assemblers	–	–	–	–	–	11	–	5	–	–	5	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	–	–	–	–	–	5	11	41	–	–	15	–	–
Other operatives, except transport	6	–	4	–	5	61	10	95	17	5	109	–	–
Transport equipment operatives	–	–	49	6	5	–	5	3	–	–	–	–	–
Laborers, except farm	5	–	–	–	–	12	22	110	–	–	19	–	–
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	5	4	6	–	14	76	93	6	1 961	248	–	75
Cleaning service workers	–	5	–	–	–	10	4	–	6	20	15	–	49
Personal service workers	–	–	–	6	–	–	14	–	–	20	35	–	21
Other service workers, including private household	–	–	4	–	–	4	58	93	–	1 921	198	–	5

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
DULUTH–SUPERIOR, MINN.–WIS., SMSA												
Total employed	**698**	**1 184**	**1 078**	**2 933**	**601**	**5 227**	**2 556**	**6 947**	**1 646**	**1 969**	**1 655**	**4 635**
Professional, technical, and kindred workers	**131**	**25**	**3**	**75**	**126**	**1 594**	**714**	**4 173**	**872**	**710**	**795**	**618**
Accountants	33	–	–	–	–	13	10	22	6	–	101	61
Architects	–	–	–	–	–	–	–	–	–	–	38	–
Computer specialists	8	–	–	–	–	–	–	6	–	–	–	15
Engineers	6	7	–	10	–	5	–	5	–	5	19	77
Chemical	–	–	–	–	–	–	–	–	–	–	–	–
Civil	6	–	–	–	–	5	–	5	–	–	4	53
Electrical and electronic	–	–	–	–	–	–	–	–	–	–	–	4
Industrial	–	–	–	–	–	–	–	–	–	–	–	–
Mechanical	–	7	–	–	–	–	–	–	–	5	6	–
Other engineers	–	–	–	10	–	–	–	–	–	–	9	20
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	6
Life and physical scientists	11	–	–	–	–	12	–	9	–	–	13	48
Chemists	11	–	–	–	–	–	–	4	–	–	13	5
Personnel and labor relations workers	25	6	–	–	–	–	5	26	–	–	–	95
Social scientists	–	–	–	–	–	9	–	17	–	6	5	20
Engineering and science technicians	17	–	–	–	–	6	5	34	6	11	94	73
Draftsmen	–	–	–	–	–	–	–	–	–	11	83	14
Electrical and electronic engineering technicians	5	–	–	–	–	–	–	4	–	–	–	24
Industrial and mechanical engineering technicians	–	–	–	–	–	–	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	2	–	8	–	–	5	–	–	–	–	79
Writers, artists, and entertainers	18	–	–	35	47	–	–	23	20	60	17	12
Other professional, technical, and kindred workers	13	10	3	22	79	1 549	689	4 031	840	628	508	132
Managers and administrators, except farm	**96**	**80**	**157**	**135**	**78**	**80**	**90**	**342**	**90**	**173**	**87**	**637**
Buyers, purchasing agents, and sales managers	–	–	–	–	–	12	9	15	–	9	–	30
Other managers and administrators	96	80	157	135	78	68	81	327	90	164	87	607
Salaried	62	44	91	84	62	68	77	327	78	164	87	607
Self-employed	34	36	66	51	16	–	4	–	12	–	–	–
Sales workers	**37**	**9**	**–**	**52**	**12**	**10**	**9**	**5**	**10**	**17**	**–**	**4**
Clerical and kindred workers	**219**	**119**	**175**	**213**	**40**	**739**	**336**	**1 178**	**279**	**417**	**489**	**1 707**
Bookkeepers	48	40	9	13	5	46	71	38	13	66	48	92
Cashiers	–	–	35	11	20	25	–	33	–	11	–	5
Estimators and investigators, n.e.c	12	–	–	–	–	–	–	–	–	–	10	45
Office machine operators	–	–	–	–	–	4	–	16	8	10	11	24
Shipping and receiving clerks	6	6	–	–	–	6	–	9	–	–	–	–
Stock clerks and storekeepers	–	14	5	5	–	27	–	21	5	–	4	22
Other clerical and kindred workers	153	59	126	184	15	631	265	1 061	253	330	416	1 519
Craftsmen and kindred workers	**52**	**607**	**23**	**47**	**18**	**149**	**64**	**157**	**60**	**18**	**48**	**369**
Blacksmiths, forgemen, hammermen, and boilermakers	–	13	–	–	–	–	–	–	–	–	5	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	–	–	–	–
Carpenters	–	–	6	6	4	15	–	28	–	–	–	11
Cranemen, derrickmen, and hoistmen	–	–	–	–	–	–	–	–	–	–	–	6
Electricians	–	–	–	–	–	13	–	3	–	–	–	23
Excavating, grading, and road machine operators	–	–	–	–	–	–	–	–	–	–	–	14
Foremen, n.e.c	5	5	5	5	–	9	14	12	–	4	6	21
Mechanics and repairmen	11	497	–	–	7	21	–	31	–	–	–	209
Automobile, including body	–	339	–	–	–	–	–	14	–	–	–	58
Machinists, job setters, and toolmakers	–	13	–	–	–	–	–	–	–	–	–	8
Metal craftsmen, except mechanics and machinists	–	–	–	–	–	–	–	–	–	–	–	5
Painters, construction and maintenance, and plasterers and paperhangers	5	–	–	13	–	12	–	11	5	–	–	25
Plumbers and pipe fitters	4	–	–	–	–	4	–	9	5	–	–	5
Printing craftsmen	–	–	–	–	–	–	–	–	5	–	–	–
Stationary engineers and power station operators	–	–	6	–	–	61	6	58	29	5	–	10
Other craftsmen and kindred workers	27	79	6	23	7	14	44	5	16	9	37	32
Operatives, except transport	**29**	**172**	**22**	**370**	**9**	**127**	**42**	**58**	**3**	**27**	**18**	**70**
Assemblers	–	–	–	–	–	–	–	–	–	8	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	4	–	–	–	–	4	–	–	–	–	–
Painters, manufactured articles	–	16	–	–	–	–	–	–	–	–	–	–
Precision machine operatives	–	12	–	–	–	–	–	–	–	–	–	–
Welders and flamecutters	–	61	–	4	–	–	–	3	–	–	–	4
Other specified operatives	6	61	12	360	5	114	38	50	3	12	12	40
Machine operatives, miscellaneous specified	6	14	5	–	–	–	–	–	–	7	6	6
Machine operatives, not specified	–	–	–	–	–	–	–	–	–	–	–	9
Miscellaneous operatives	17	4	5	–	4	9	–	5	–	–	–	4
Not specified operatives	–	–	–	6	–	4	–	–	–	–	–	7

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	16	26	11	73	6	4	31	33	–	9	15	67
Deliverymen and routemen	10	–	–	43	–	–	–	–	–	–	5	10
Truck drivers	6	9	–	15	–	–	16	–	–	9	–	48
Other transport equipment operatives	–	17	11	15	6	4	15	33	–	–	10	9
Laborers, except farm	8	94	14	58	16	40	15	51	12	14	15	179
Freight, stock, and material handlers	4	4	–	–	–	34	–	–	8	–	–	57
Other specified laborers	–	79	5	46	16	6	15	34	4	5	–	52
Miscellaneous laborers	–	–	–	5	–	–	–	–	–	–	–	10
Not specified laborers	4	11	9	7	–	–	–	17	–	9	15	60
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	110	52	673	1 910	296	2 484	1 255	950	320	584	188	984
Cleaning service workers	99	26	280	50	98	363	166	575	120	243	5	200
Personal service workers	–	–	107	577	109	52	29	103	52	217	–	11
Guards and watchmen	6	–	–	–	–	–	–	4	–	6	–	67
Other service workers, including private household	5	26	286	1 283	89	2 069	1 060	268	148	118	183	706
Female employed	274	168	739	2 253	186	4 514	1 850	3 774	1 120	1 044	888	1 181
Professional, technical, and kindred workers	47	10	–	27	45	1 384	344	2 227	586	283	273	117
Accountants	15	–	–	–	–	13	10	10	6	–	14	21
Computer specialists	3	–	–	–	–	–	–	6	–	–	–	–
Life and physical scientists	6	–	–	–	–	12	–	–	–	–	–	5
Registered nurses, dietitians, and therapists	7	–	–	13	–	1 023	216	17	16	12	11	11
Social scientists	–	–	–	–	–	–	–	12	–	–	–	–
Writers, artists, and entertainers	–	–	–	5	22	–	–	5	11	46	–	–
Other professional, technical, and kindred workers	16	10	–	9	23	336	118	2 177	553	225	248	80
Managers and administrators, except farm	15	3	53	40	8	56	49	63	55	30	20	42
Salaried	15	3	21	15	8	56	49	63	49	30	20	42
Self-employed	–	–	32	25	–	–	–	–	6	–	–	–
Sales workers	9	4	–	22	4	10	9	–	6	6	–	4
Clerical and kindred workers	178	84	138	191	31	708	330	1 075	263	374	454	897
Bookkeepers	44	35	9	13	5	40	71	38	13	58	37	71
Cashiers	–	–	35	11	16	25	–	33	–	5	–	5
Counter clerks, except food	5	–	52	56	–	–	–	–	–	–	–	6
File clerks	5	5	–	–	–	23	–	4	7	–	7	–
Office machine operators	–	–	–	–	–	4	–	11	8	10	11	24
Bookkeeping and billing machine operators	–	–	–	–	–	4	–	–	–	6	–	–
Receptionists	10	–	11	33	–	97	65	28	–	19	6	9
Secretaries	19	22	15	14	5	256	125	374	50	178	165	194
Stenographers	16	5	–	–	–	11	–	32	5	27	17	54
Typists	11	–	–	–	–	54	13	117	40	37	16	91
Other clerical and kindred workers	68	17	16	64	5	198	56	438	140	40	195	443
Craftsmen and kindred workers	5	31	–	15	–	18	7	5	21	4	–	5
Foremen, n.e.c.	–	–	–	5	–	4	–	–	–	–	–	–
Operatives, except transport	6	26	22	279	–	99	29	20	3	8	12	10
Assemblers	–	–	–	–	–	–	–	–	–	3	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	–	–	–	5	–	4	–	–	–	–	–	–
Other operatives, except transport	6	26	22	274	–	95	29	20	3	5	12	10
Transport equipment operatives	5	–	–	–	–	–	–	9	–	–	–	–
Laborers, except farm	–	–	4	7	–	30	–	–	–	–	–	9
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	9	10	522	1 672	98	2 209	1 082	375	186	339	129	97
Cleaning service workers	4	–	225	16	29	251	89	48	6	69	5	24
Personal service workers	–	–	66	442	5	47	25	79	47	202	–	11
Other service workers, including private household	5	10	231	1 214	64	1 911	968	248	133	68	124	62

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
MADISON SMSA												
Total employed	**123 248**	**5 006**	**139**	**6 219**	**15 907**	**602**	**579**	**83**	**483**	**502**	**2 326**	**1 331**
Professional, technical, and kindred workers	**28 981**	**256**	**5**	**465**	**1 621**	**35**	**13**	–	**30**	**54**	**287**	**239**
Accountants	1 698	8	–	64	190	22	7	–	–	–	23	20
Architects	165	22	–	6	–	–	–	–	–	–	–	–
Computer specialists	623	–	–	8	45	–	–	–	4	–	15	16
Engineers	1 742	21	–	209	460	–	6	–	5	34	155	100
Chemical	63	11	–	–	36	–	–	–	–	–	5	15
Civil	515	–	–	176	6	–	–	–	–	–	–	–
Electrical and electronic	382	–	–	–	77	–	–	–	–	6	10	40
Industrial	157	–	–	–	86	–	–	–	–	5	38	5
Mechanical	167	–	–	15	87	–	–	–	–	5	50	5
Other engineers	458	10	–	18	168	–	6	–	5	18	52	35
Mathematical specialists	72	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	849	16	5	–	61	–	–	–	–	–	–	17
Chemists	309	10	–	–	40	–	–	–	–	–	–	11
Personnel and labor relations workers	318	–	–	4	31	–	–	–	–	–	4	4
Social scientists	358	–	–	5	15	–	–	–	–	–	–	4
Engineering and science technicians	1 682	42	–	139	284	5	–	–	–	–	–	5
Draftsmen	449	12	–	76	66	5	–	–	5	16	50	43
Electrical and electronic engineering technicians	281	–	–	5	63	–	–	–	–	16	34	–
Industrial and mechanical engineering technicians	19	–	–	–	15	–	–	–	–	–	11	43
Technicians, except health, and engineering and science	334	4	–	5	22	–	–	–	–	–	–	–
Writers, artists, and entertainers	1 655	16	–	10	360	8	–	–	11	–	6	11
Other professional, technical, and kindred workers	19 485	127	–	15	153	–	–	–	5	4	22	18
											12	5
Managers and administrators, except farm	**9 735**	**58**	**19**	**604**	**1 059**	**33**	**45**	**5**	**33**	**52**	**133**	**103**
Buyers, purchasing agents, and sales managers	1 110	–	5	14	229	6	7	–	5	14	29	42
Other managers and administrators	8 625	58	14	590	830	27	38	5	28	38	104	61
Salaried	7 409	49	14	455	770	27	33	5	28	38	104	61
Self-employed	1 216	9	–	135	60	–	5	–	–	–	–	–
Sales workers	**8 866**	**31**	**–**	**69**	**779**	**–**	**30**	**–**	**14**	**17**	**44**	**21**
Clerical and kindred workers	**25 167**	**140**	**32**	**505**	**2 443**	**120**	**41**	**29**	**49**	**62**	**294**	**286**
Bookkeepers	2 344	13	17	178	279	5	8	–	–	11	20	15
Cashiers	1 373	–	–	–	19	–	–	–	–	–	–	4
Estimators and investigators, n.e.c	408	–	–	100	45	5	–	–	–	4	–	5
Office machine operators	1 467	5	–	14	139	19	9	6	–	–	16	22
Shipping and receiving clerks	355	–	–	–	184	25	–	12	8	6	18	27
Stock clerks and storekeepers	575	–	–	13	88	6	–	–	–	5	29	9
Other clerical and kindred workers	18 645	122	15	200	1 689	60	24	11	41	36	211	204
Craftsmen and kindred workers	**11 958**	**24**	**35**	**3 339**	**2 773**	**99**	**81**	**14**	**120**	**133**	**551**	**176**
Blacksmiths, forgemen, hammermen, and boilermakers	20	–	–	7	4	–	–	–	–	–	4	–
Brickmasons and stonemasons	134	–	–	112	10	–	10	–	–	–	–	–
Carpenters	1 254	5	–	973	52	9	4	–	6	–	–	–
Cranemen, derrickmen, and hoistmen	85	–	–	44	30	–	–	–	6	–	14	–
Electricians	531	–	–	329	93	–	–	–	6	11	39	5
Excavating, grading, and road machine operators	236	–	16	162	5	–	–	–	–	–	–	–
Foremen, n.e.c	1 585	5	–	194	642	25	19	10	14	25	105	57
Mechanics and repairmen	2 861	4	–	125	397	6	29	–	6	4	96	30
Automobile, including body	1 249	–	–	11	60	–	5	–	–	–	17	–
Machinists, job setters, and toolmakers	544	–	–	20	385	22	9	–	61	20	181	31
Metal craftsmen, except mechanics and machinists	377	–	–	206	140	–	–	4	6	33	59	12
Painters, construction and maintenance, and plasterers and paperhangers	370	–	–	222	30	6	–	–	–	–	19	–
Plumbers and pipe fitters	514	5	–	364	30	–	–	–	–	4	4	–
Printing craftsmen	738	5	–	–	536	–	–	–	–	7	–	–
Stationary engineers and power station operators	188	–	11	5	5	–	–	–	–	–	–	–
Other craftsmen and kindred workers	2 521	–	8	576	414	31	10	–	15	29	30	41
Operatives, except transport	**8 755**	**42**	**17**	**270**	**5 317**	**227**	**247**	**30**	**226**	**140**	**859**	**413**
Assemblers	827	–	–	4	792	78	4	–	22	23	230	126
Checkers, examiners, and inspectors; manufacturing	319	–	–	–	319	–	–	–	5	12	44	97
Filers, polishers, sanders, and buffers	54	–	–	–	48	–	–	–	–	–	34	4
Painters, manufactured articles	72	–	–	–	47	6	6	4	–	–	20	–
Precision machine operatives	275	–	–	18	236	6	2	7	23	–	156	12
Welders and flamecutters	426	–	–	55	246	–	14	6	7	14	123	20
Other specified operatives	4 640	14	17	140	2 191	94	47	7	49	55	49	50
Machine operatives, miscellaneous specified	850	12	–	20	635	5	43	–	93	15	73	38
Machine operatives, not specified	351	–	–	22	263	13	5	6	14	11	60	17
Miscellaneous operatives	640	11	–	6	331	9	96	–	4	10	35	26
Not specified operatives	301	5	–	5	209	16	30	–	9	–	35	23

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
MADISON SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	3 374	26	31	191	664	20	66	–	11	15	35	23
Deliverymen and routemen	760	5	–	8	152	–	10	–	–	–	5	–
Truck drivers	1 691	21	31	150	334	–	56	–	–	4	25	10
Other transport equipment operatives	923	–	–	33	178	20	–	–	11	11	5	13
Laborers, except farm	3 631	127	–	695	715	48	51	5	–	19	50	20
Freight, stock, and material handlers	1 425	–	–	5	242	34	26	–	–	–	10	–
Other specified laborers	1 572	127	–	690	174	4	–	–	–	5	5	7
Miscellaneous laborers	96	–	–	–	35	–	–	–	–	9	5	–
Not specified laborers	538	–	–	–	264	10	25	5	–	5	30	13
Farm workers	4 258	4 258	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	18 523	44	–	81	536	20	5	–	–	10	73	50
Cleaning service workers	3 621	38	–	38	312	20	5	–	–	10	39	44
Personal service workers	1 641	–	–	6	50	–	–	–	–	–	–	–
Guards and watchmen	279	6	–	16	55	–	–	–	–	–	34	–
Other service workers, including private household	12 982	–	–	21	119	–	–	–	–	–	–	6
Female employed	51 687	788	29	411	3 983	220	207	16	80	128	263	479
Professional, technical, and kindred workers	11 263	20	–	19	287	5	–	–	–	4	14	31
Accountants	475	–	–	5	53	5	–	–	–	–	4	10
Computer specialists	145	–	–	5	10	–	–	–	–	–	5	5
Life and physical scientists	152	–	–	–	–	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	2 309	–	–	–	27	–	–	–	–	–	5	–
Social scientists	80	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	535	5	–	–	139	–	–	–	–	–	–	7
Other professional, technical, and kindred workers	7 567	15	–	9	58	–	–	–	–	4	–	9
Managers and administrators, except farm	1 567	–	–	27	93	–	12	5	6	–	11	–
Salaried	1 282	–	–	17	78	–	7	5	6	–	11	–
Self-employed	285	–	–	10	15	–	5	–	–	–	–	–
Sales workers	3 574	–	–	–	66	–	–	–	–	–	–	–
Clerical and kindred workers	20 121	120	20	313	1 728	79	33	11	36	36	147	241
Bookkeepers	1 953	5	5	151	230	5	8	–	–	5	14	15
Cashiers	1 226	–	–	–	13	–	–	–	–	–	–	4
Counter clerks, except food	279	–	–	–	17	–	–	–	–	–	–	–
File clerks	616	5	–	–	44	6	–	–	–	–	19	5
Office machine operators	1 240	5	–	9	105	14	9	–	–	–	11	18
Bookkeeping and billing machine operators	189	–	–	–	15	–	5	–	–	–	–	–
Receptionists	672	–	–	5	43	–	–	–	5	4	5	10
Secretaries	5 034	60	5	60	510	18	16	6	26	13	40	85
Stenographers	441	–	–	5	10	–	–	–	–	–	4	–
Typists	2 236	15	–	10	161	6	–	–	–	–	28	12
Other clerical and kindred workers	6 424	30	10	73	595	30	–	5	5	14	26	92
Craftsmen and kindred workers	537	5	–	33	116	–	–	–	10	–	5	5
Foremen, n.e.c	135	5	–	5	14	–	–	–	–	–	–	–
Operatives, except transport	2 663	16	9	5	1 529	120	157	–	28	69	77	180
Assemblers	313	–	–	–	292	54	4	–	–	23	35	72
Checkers, examiners, and inspectors; manufacturing	124	–	–	–	124	–	–	–	–	12	–	48
Packers and wrappers, except meat and produce	452	5	–	–	342	9	15	–	–	8	–	19
Other operatives, except transport	1 774	11	9	5	771	57	138	–	28	26	42	41
Transport equipment operatives	135	–	–	–	12	–	5	–	–	–	–	7
Laborers, except farm	321	35	–	10	69	11	–	–	–	19	4	9
Farm workers	574	574	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	10 932	18	–	4	83	5	–	–	–	–	5	6
Cleaning service workers	1 237	18	–	4	25	5	–	–	–	–	5	–
Personal service workers	1 032	–	–	–	9	–	–	–	–	–	–	–
Other service workers, including private household	8 663	–	–	–	49	–	–	–	–	–	–	6

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
MADISON SMSA													
Total employed	291	14	83	111	1 119	4 747	222	63	165	1 828	527	221	610
Professional, technical, and kindred workers	23	5	–	25	140	342	24	–	17	286	75	–	26
Accountants	5	–	–	5	18	49	5	–	11	15	10	–	–
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	–	–	–	–	–	10	–	–	–	–	–	–	–
Engineers	6	5	–	5	33	82	–	–	6	–	11	–	12
Chemical	–	–	–	–	–	5	–	–	–	–	–	–	–
Civil	–	–	–	–	–	–	–	–	–	–	–	–	6
Electrical and electronic	–	5	–	–	6	10	–	–	–	–	–	–	–
Industrial	–	–	–	5	–	33	–	–	–	–	–	–	–
Mechanical	6	–	–	–	–	21	–	–	–	–	–	–	–
Other engineers	–	–	–	–	27	13	–	–	6	–	–	–	6
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	–	–	–	–	–	27	–	–	–	–	17	–	–
Chemists	–	–	–	–	–	22	–	–	–	–	7	–	–
Personnel and labor relations workers	–	–	–	4	–	14	–	–	–	–	5	–	–
Social scientists	–	–	–	–	5	5	–	–	–	–	–	–	–
Engineering and science technicians	12	–	–	–	28	86	19	–	–	–	20	–	–
Draftsmen	6	–	–	–	–	5	–	–	–	–	–	–	–
Electrical and electronic engineering technicians	–	–	–	–	4	5	–	–	–	–	–	–	–
Industrial and mechanical engineering technicians	–	–	–	–	–	15	–	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	–	–	–	5	–	–	–	–	–	–	–
Writers, artists, and entertainers	–	–	–	–	9	21	–	–	–	267	–	–	4
Other professional, technical, and kindred workers	–	–	–	11	47	43	–	–	–	4	12	–	10
Managers and administrators, except farm	11	–	–	15	51	244	26	10	4	154	79	16	45
Buyers, purchasing agents, and sales managers	11	–	–	–	4	68	5	–	–	32	–	–	6
Other managers and administrators	–	–	–	15	47	176	21	10	4	122	79	16	39
Salaried	–	–	–	15	47	163	21	–	4	100	79	16	29
Self-employed	–	–	–	–	–	13	–	10	–	22	–	–	10
Sales workers	–	–	6	–	27	160	–	21	27	263	73	17	59
Clerical and kindred workers	34	–	4	4	204	685	15	16	35	359	99	28	79
Bookkeepers	–	–	–	4	–	132	–	6	–	37	21	–	20
Cashiers	–	–	–	–	–	6	–	5	–	4	–	–	–
Estimators and investigators, n.e.c	–	–	–	–	11	–	–	–	10	10	–	–	–
Office machine operators	–	–	–	–	19	26	–	–	11	5	6	–	–
Shipping and receiving clerks	–	–	–	–	10	60	–	–	–	5	3	10	–
Stock clerks and storekeepers	4	–	–	–	11	20	–	–	–	–	4	–	–
Other clerical and kindred workers	30	–	4	–	153	441	15	5	14	298	65	18	59
Craftsmen and kindred workers	29	–	27	26	223	479	25	–	35	598	54	41	62
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	–	–	–	–	–	–	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	–	–	–	–	–
Carpenters	–	–	18	–	–	5	–	–	–	–	5	5	–
Cranemen, derrickmen, and hoistmen	–	–	–	–	–	–	–	–	5	–	5	–	–
Electricians	–	–	–	–	6	9	–	–	–	11	–	6	–
Excavating, grading, and road machine operators	–	–	–	–	–	5	–	–	–	–	–	–	–
Foremen, n.e.c	9	–	4	14	40	197	8	–	9	53	34	19	–
Mechanics and repairmen	–	–	–	6	22	162	5	–	11	5	4	11	–
Automobile, including body	–	–	–	–	–	38	–	–	–	–	–	–	–
Machinists, job setters, and toolmakers	9	–	–	–	26	6	–	–	10	5	–	–	5
Metal craftsmen, except mechanics and machinists	–	–	–	–	5	15	6	–	–	–	–	–	–
Painters, construction and maintenance, and plasterers and paperhangers	5	–	–	–	–	–	–	–	–	–	–	–	–
Plumbers and pipe fitters	–	–	–	6	–	10	–	–	–	–	6	–	–
Printing craftsmen	–	–	–	–	–	–	6	–	–	518	–	–	5
Stationary engineers and power station operators	–	–	5	–	–	–	–	–	–	–	–	–	–
Other craftsmen and kindred workers	6	–	–	–	124	70	–	–	–	6	–	–	52
Operatives, except transport	179	9	41	23	389	1 889	113	16	30	117	73	89	207
Assemblers	70	4	23	–	120	32	–	–	6	16	14	12	12
Checkers, examiners, and inspectors; manufacturing	29	–	–	2	17	64	10	–	–	5	–	5	29
Filers, polishers, sanders, and buffers	5	–	–	–	5	–	–	–	–	–	–	–	–
Painters, manufactured articles	6	–	–	–	5	–	–	–	–	–	–	–	–
Precision machine operatives	6	–	–	–	18	–	–	–	–	–	6	–	–
Welders and flamecutters	24	–	9	–	7	22	–	–	–	–	–	–	–
Other specified operatives	6	5	5	16	179	1 272	103	16	6	37	22	12	161
Machine operatives, miscellaneous specified	11	–	4	–	15	266	–	–	18	5	16	33	–
Machine operatives, not specified	–	–	–	–	–	57	–	–	–	38	15	22	5
Miscellaneous operatives	17	–	–	–	4	109	–	–	–	16	–	5	–
Not specified operatives	5	–	–	5	19	67	–	–	–	–	–	–	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
MADISON SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	4	–	5	14	22	369	–	–	7	16	15	5	37
Deliverymen and routemen	–	–	–	–	–	137	–	–	–	–	–	–	–
Truck drivers	–	–	5	6	7	179	–	–	7	16	15	–	4
Other transport equipment operatives	4	–	–	8	15	53	–	–	–	–	–	5	33
Laborers, except farm	11	–	–	4	35	350	19	–	–	6	36	7	54
Freight, stock, and material handlers	3	–	–	–	9	141	4	–	–	6	6	3	–
Other specified laborers	–	–	–	–	26	89	–	–	–	–	4	–	34
Miscellaneous laborers	–	–	–	–	–	21	–	–	–	–	–	–	–
Not specified laborers	8	–	–	4	–	99	15	–	–	–	26	4	20
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	–	–	–	28	229	–	–	10	29	23	18	41
Cleaning service workers	–	–	–	–	5	98	–	–	6	29	19	18	19
Personal service workers	–	–	–	–	–	50	–	–	–	–	–	–	–
Guards and watchmen	–	–	–	–	–	21	–	–	–	–	–	–	–
Other service workers, including private household	–	–	–	–	23	60	–	–	4	–	4	–	22
Female employed	36	5	8	12	282	1 131	33	32	39	624	149	72	167
Professional, technical, and kindred workers	6	–	–	6	5	38	–	–	5	142	31	–	–
Accountants	–	–	–	–	–	14	–	–	5	10	5	–	–
Computer specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	–	–	–	6	–	10	–	–	–	–	6	–	–
Social scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	–	–	–	–	–	–	–	–	–	132	–	–	–
Other professional, technical, and kindred workers	6	–	–	–	5	14	–	–	–	–	20	–	–
Managers and administrators, except farm	–	–	–	–	5	–	–	–	–	26	–	12	16
Salaried	–	–	–	–	5	–	–	–	–	26	–	12	6
Self-employed	–	–	–	–	–	–	–	–	–	–	–	–	10
Sales workers	–	–	–	–	–	27	–	–	–	30	9	–	–
Clerical and kindred workers	15	–	4	4	147	486	11	16	18	279	92	8	65
Bookkeepers	–	–	–	4	–	95	–	6	–	37	21	–	20
Cashiers	–	–	–	–	–	–	–	5	–	4	–	–	–
Counter clerks, except food	–	–	–	–	–	5	–	–	–	12	–	–	–
File clerks	–	–	–	–	14	–	–	–	–	–	–	–	–
Office machine operators	–	–	–	–	12	26	–	–	4	5	6	–	–
Bookkeeping and billing machine operators	–	–	–	–	–	5	–	–	–	5	–	–	–
Receptionists	–	–	–	–	–	9	–	–	–	10	–	–	–
Secretaries	12	–	–	–	44	159	–	5	–	42	33	5	6
Stenographers	–	–	–	–	–	6	–	–	–	–	–	–	–
Typists	–	–	–	–	20	5	–	–	–	68	16	3	–
Other clerical and kindred workers	3	–	–	–	57	181	11	–	14	101	16	–	39
Craftsmen and kindred workers	–	–	4	–	–	24	–	–	–	53	–	–	19
Foremen, n.e.c.	–	–	–	–	–	14	–	–	–	–	–	–	–
Operatives, except transport	15	5	4	2	119	499	17	16	10	88	13	48	62
Assemblers	–	–	4	–	55	17	–	–	–	6	4	12	6
Checkers, examiners, and inspectors; manufacturing	11	–	–	2	–	28	–	–	–	5	–	–	18
Packers and wrappers, except meat and produce	–	–	–	–	6	285	–	–	–	–	–	–	–
Other operatives, except transport	4	5	–	–	58	169	17	16	10	77	9	36	38
Transport equipment operatives	–	–	–	–	–	–	–	–	–	–	–	–	–
Laborers, except farm	–	–	–	–	–	15	5	–	–	6	–	–	–
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	–	–	–	6	42	–	–	6	–	4	4	5
Cleaning service workers	–	–	–	–	–	–	–	–	6	–	–	4	5
Personal service workers	–	–	–	–	–	9	–	–	–	–	–	–	–
Other service workers, including private household	–	–	–	–	6	33	–	–	–	–	4	–	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
MADISON SMSA													
Total employed	252	1 027	869	2 228	1 386	4 202	2 995	2 623	2 602	4 654	7 441	3 468	3 259
Professional, technical, and kindred workers	6	10	50	507	219	226	41	16	32	57	379	227	124
Accountants	6	–	–	56	48	48	10	11	19	–	29	100	57
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	–	–	–	11	5	25	–	–	–	–	11	56	–
Engineers	–	–	5	169	77	76	–	–	6	6	6	–	–
Chemical	–	–	–	–	–	–	–	–	–	–	–	–	–
Civil	–	–	5	13	–	10	–	–	–	–	6	–	–
Electrical and electronic	–	–	–	135	52	7	–	–	–	–	–	–	–
Industrial	–	–	–	15	9	–	–	–	–	–	–	–	–
Mechanical	–	–	–	–	5	17	–	–	–	–	–	–	–
Other engineers	–	–	–	6	11	42	–	–	6	6	–	–	–
Mathematical specialists	–	–	–	–	4	–	–	–	–	–	–	15	–
Life and physical scientists	–	–	–	5	–	11	–	–	–	–	–	–	–
Chemists	–	–	–	–	–	5	–	–	–	–	–	–	–
Personnel and labor relations workers	–	–	–	–	6	–	17	–	–	6	27	10	14
Social scientists	–	–	–	5	–	5	–	–	–	–	6	5	13
Engineering and science technicians	–	–	5	90	34	28	–	–	–	–	6	–	–
Draftsmen	–	–	5	17	23	9	–	–	–	–	6	–	–
Electrical and electronic engineering technicians	–	–	–	64	6	–	–	–	–	–	–	–	–
Industrial and mechanical engineering technicians	–	–	–	–	–	–	–	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	40	43	7	6	–	–	–	5	–	–	–
Writers, artists, and entertainers	–	4	–	128	9	21	9	–	–	25	42	11	15
Other professional, technical, and kindred workers	–	6	–	–	29	6	5	5	7	15	252	30	25
Managers and administrators, except farm	39	66	78	240	89	605	358	371	480	467	976	419	650
Buyers, purchasing agents, and sales managers	–	8	5	5	–	164	128	88	35	13	214	43	12
Other managers and administrators	39	58	73	235	89	441	230	283	445	454	762	376	638
Salaried	39	52	56	235	89	415	209	201	231	286	573	366	559
Self-employed	–	6	17	–	–	26	21	82	214	168	189	10	79
Sales workers	–	6	6	58	10	963	1 485	394	446	72	2 657	914	552
Clerical and kindred workers	53	130	161	863	277	913	612	781	263	165	1 158	1 810	1 560
Bookkeepers	–	27	22	48	18	192	109	43	91	51	250	115	156
Cashiers	–	–	–	4	4	16	226	587	6	60	214	35	35
Estimators and investigators, n.e.c	–	–	–	19	4	15	11	–	12	–	5	37	36
Office machine operators	7	7	–	22	20	36	10	–	5	–	23	155	176
Shipping and receiving clerks	–	–	–	–	–	98	27	–	6	–	21	–	–
Stock clerks and storekeepers	–	–	–	7	14	60	29	64	5	–	40	15	5
Other clerical and kindred workers	46	96	139	763	217	496	200	87	138	54	605	1 453	1 152
Craftsmen and kindred workers	91	104	92	490	440	418	135	58	569	29	812	26	44
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	–	–	–	–	–	–	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	–	–	–	–	–
Carpenters	6	–	–	–	6	10	–	–	5	5	36	–	10
Cranemen, derrickmen, and hoistmen	–	–	–	–	–	6	–	–	–	–	–	–	–
Electricians	–	–	–	–	16	–	–	–	–	5	5	–	–
Excavating, grading, and road machine operators	–	–	–	–	21	–	–	–	–	–	–	–	–
Foremen, n.e.c	19	38	6	57	80	86	30	23	12	10	59	15	–
Mechanics and repairmen	11	48	80	–	71	211	83	–	543	4	285	–	6
Automobile, including body	–	48	44	–	8	61	24	–	514	4	34	–	–
Machinists, job setters, and toolmakers	5	–	–	–	–	10	–	–	–	–	–	–	–
Metal craftsmen, except mechanics and machinists	–	–	–	–	–	7	–	–	–	–	13	–	–
Painters, construction and maintenance, and plasterers and paperhangers	–	–	–	–	6	–	–	–	–	–	26	–	11
Plumbers and pipe fitters	–	–	–	10	–	–	–	–	–	–	49	–	7
Printing craftsmen	–	–	–	–	–	21	3	–	–	–	7	6	5
Stationary engineers and power station operators	–	–	–	14	66	11	5	–	5	–	–	–	5
Other craftsmen and kindred workers	50	18	6	409	174	56	14	35	4	5	332	5	–
Operatives, except transport	–	14	6	12	106	361	52	304	731	40	192	5	5
Assemblers	–	–	–	–	5	10	–	–	–	–	5	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	–	–	–	–	–	6	–	–	–	–	–	–
Painters, manufactured articles	–	–	–	–	–	4	–	–	13	–	–	–	–
Precision machine operatives	–	–	–	–	–	12	–	–	–	–	–	–	–
Welders and flamecutters	–	–	–	–	4	48	–	–	–	–	–	–	–
Other specified operatives	–	10	–	7	64	146	46	279	686	26	160	–	–
Machine operatives, miscellaneous specified	–	–	–	–	6	49	–	–	27	14	–	5	–
Machine operatives, not specified	–	–	–	–	12	26	–	–	–	–	–	–	5
Miscellaneous operatives	–	–	6	5	11	38	–	15	5	–	5	–	–
Not specified operatives	–	4	–	–	4	28	–	10	–	–	22	–	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
MADISON SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	37	591	436	5	104	428	47	84	32	43	313	–	11
Deliverymen and routemen	–	51	5	–	5	202	39	45	5	32	118	–	–
Truck drivers	6	525	10	5	60	189	8	30	12	11	140	–	6
Other transport equipment operatives	31	15	421	–	39	37	–	9	15	–	55	–	5
Laborers, except farm	26	101	5	13	99	240	112	521	34	34	250	–	36
Freight, stock, and material handlers	5	101	5	–	35	161	112	509	6	9	146	–	–
Other specified laborers	–	–	–	–	37	25	–	6	28	–	54	–	27
Miscellaneous laborers	21	–	–	7	16	–	–	–	–	–	13	–	–
Not specified laborers	–	–	–	6	11	54	–	6	–	25	37	–	9
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	5	35	40	42	48	153	94	15	3 747	704	67	277
Cleaning service workers	–	5	6	33	42	32	64	21	15	91	102	62	218
Personal service workers	–	–	29	–	–	–	13	12	–	58	5	–	11
Guards and watchmen	–	–	–	5	–	–	6	–	–	–	–	–	5
Other service workers, including private household	–	–	–	2	–	16	70	61	–	3 598	597	5	43
Female employed	34	95	194	914	179	992	2 125	1 140	249	2 341	3 392	1 759	1 771
Professional, technical, and kindred workers	–	6	–	66	15	28	25	5	9	10	94	48	34
Accountants	–	–	–	22	11	19	–	5	9	–	14	31	10
Computer specialists	–	–	–	5	–	–	–	–	–	–	–	12	–
Life and physical scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	–	6	–	–	–	–	–	–	–	–	–	–	–
Social scientists	–	–	–	–	–	–	–	–	–	–	6	–	–
Writers, artists, and entertainers	–	–	–	17	4	–	9	–	–	10	13	–	4
Other professional, technical, and kindred workers	–	–	–	22	–	9	16	–	–	–	61	5	20
Managers and administrators, except farm	–	5	22	14	–	57	128	34	13	73	210	53	138
Salaried	–	5	16	14	–	47	112	29	8	20	153	53	107
Self-employed	–	–	6	–	–	10	16	5	5	53	57	–	31
Sales workers	–	–	–	9	–	58	1 257	309	10	28	1 434	64	128
Clerical and kindred workers	34	75	78	791	154	677	538	620	190	123	970	1 569	1 377
Bookkeepers	–	22	17	36	12	159	106	43	64	36	228	115	148
Cashiers	–	–	–	4	4	16	221	521	6	39	198	35	35
Counter clerks, except food	–	–	–	26	–	12	22	–	–	–	21	5	–
File clerks	–	12	–	6	12	20	4	6	–	–	5	138	36
Office machine operators	7	–	–	22	16	36	5	–	5	–	23	136	176
Bookkeeping and billing machine operators	–	–	–	–	–	5	5	–	5	–	14	7	98
Receptionists	–	5	18	5	8	15	10	–	17	–	26	15	48
Secretaries	5	10	–	61	7	187	24	–	41	23	161	374	313
Stenographers	–	–	4	6	16	12	–	–	–	–	–	22	15
Typists	–	6	–	20	5	59	6	–	23	9	50	245	40
Other clerical and kindred workers	22	20	39	605	74	161	140	50	34	16	258	484	566
Craftsmen and kindred workers	–	–	–	15	10	21	18	5	10	6	115	5	5
Foremen, n.e.c	–	–	–	15	6	–	15	–	–	6	11	5	–
Operatives, except transport	–	–	–	–	–	118	37	56	17	10	111	5	–
Assemblers	–	–	–	–	–	10	–	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	–	–	–	–	–	59	9	9	4	–	5	–	–
Other operatives, except transport	–	–	–	–	–	49	28	47	13	10	106	5	–
Transport equipment operatives	–	9	79	–	–	5	20	5	–	–	–	–	–
Laborers, except farm	–	–	–	–	–	16	20	53	–	–	35	–	–
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	–	15	19	–	12	82	53	–	2 091	423	15	89
Cleaning service workers	–	–	6	17	–	–	9	–	–	16	20	10	78
Personal service workers	–	–	9	–	–	–	13	6	–	32	5	–	11
Other service workers, including private household	–	–	–	2	–	12	60	47	–	2 043	398	5	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
MADISON SMSA												
Total employed	**1 732**	**1 337**	**1 487**	**3 297**	**705**	**6 940**	**4 033**	**20 346**	**2 296**	**2 473**	**4 200**	**10 125**
Professional, technical, and kindred workers	**455**	**24**	**37**	**71**	**172**	**2 883**	**1 467**	**12 463**	**1 330**	**1 017**	**2 253**	**2 568**
Accountants	62	–	5	11	6	54	19	171	7	41	257	419
Architects	–	–	–	–	–	–	–	23	–	–	93	21
Computer specialists	–	–	–	–	–	–	–	280	5	–	6	135
Engineers	36	–	–	–	–	8	25	114	9	21	191	303
Chemical	36	–	–	–	–	–	–	10	–	–	–	6
Civil	–	–	–	–	–	–	–	20	–	10	91	158
Electrical and electronic	5	–	–	–	–	–	15	36	9	–	23	21
Industrial	16	–	–	–	–	–	6	5	–	7	–	27
Mechanical	4	–	–	–	–	–	4	20	–	–	15	–
Other engineers	–	–	–	–	–	8	–	23	–	4	62	91
Mathematical specialists	11	–	–	–	–	–	–	–	–	–	–	33
Life and physical scientists	–	–	–	–	–	59	37	398	11	–	42	152
Chemists	52	–	–	–	–	28	13	163	5	–	10	9
Personnel and labor relations workers	26	–	–	–	–	13	9	49	5	12	–	81
Social scientists	34	–	–	–	–	44	25	99	–	10	8	103
Engineering and science technicians	15	–	–	–	–	5	11	482	34	7	199	241
Draftsmen	72	–	–	–	3	–	–	45	–	–	133	57
Electrical and electronic engineering technicians	–	–	–	–	–	–	–	89	12	–	–	32
Industrial and mechanical engineering technicians	7	–	–	–	3	–	–	–	–	–	–	4
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	41	–	–	13	136
Writers, artists, and entertainers	–	7	–	–	–	–	5	289	27	122	161	102
Other professional, technical, and kindred workers	109	7	5	51	110	15	7	10 497	1 232	804	1 283	842
	39	10	27	9	53	2 685	1 329					
Managers and administrators, except farm	**135**	**35**	**158**	**179**	**103**	**162**	**166**	**712**	**138**	**223**	**128**	**1 018**
Buyers, purchasing agents, and sales managers	20	9	–	–	–	6	–	42	6	–	5	59
Other managers and administrators	115	26	158	179	103	156	166	670	132	223	123	959
Salaried	105	19	93	123	73	156	157	670	114	223	118	959
Self-employed	10	7	65	56	30	–	9	–	18	–	5	–
Sales workers	**102**	**44**	**5**	**81**	**37**	**10**	**19**	**19**	**13**	**52**	**27**	**15**
Clerical and kindred workers	**526**	**136**	**204**	**244**	**86**	**887**	**728**	**3 839**	**341**	**762**	**1 114**	**4 434**
Bookkeepers	63	42	22	14	15	46	75	90	15	75	156	122
Cashiers	4	–	4	9	28	25	4	46	11	8	5	23
Estimators and investigators, n.e.c	21	13	–	–	–	–	5	5	–	19	–	61
Office machine operators	49	5	–	–	–	25	31	203	4	37	63	431
Shipping and receiving clerks	–	5	–	–	–	–	–	3	–	–	–	11
Stock clerks and storekeepers	–	–	4	5	–	48	18	93	–	5	5	57
Other clerical and kindred workers	389	71	174	216	43	743	595	3 399	311	618	885	3 729
Craftsmen and kindred workers	**156**	**818**	**4**	**50**	**39**	**105**	**100**	**593**	**53**	**17**	**82**	**462**
Blacksmiths, forgemen, hammermen, and boilermakers	–	3	–	–	–	6	–	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	–	3	–	9	–	–	–	–
Carpenters	5	–	–	6	–	17	6	72	–	7	–	33
Cranemen, derrickmen, and hoistmen	5	–	–	–	–	–	–	–	–	–	–	–
Electricians	–	4	–	–	5	14	–	33	–	–	–	27
Excavating, grading, and road machine operators	–	–	–	–	–	–	–	7	–	–	–	25
Foremen, n.e.c	30	11	–	6	12	20	17	89	–	5	9	110
Mechanics and repairmen	54	647	–	3	–	20	25	78	23	–	10	133
Automobile, including body	–	392	–	–	–	–	–	11	–	–	–	38
Machinists, job setters, and toolmakers	4	5	–	–	–	10	–	87	–	–	–	18
Metal craftsmen, except mechanics and machinists	–	–	–	–	–	–	–	11	–	–	–	–
Painters, construction and maintenance, and plasterers and paperhangers	–	12	4	–	–	5	–	36	5	–	–	13
Plumbers and pipe fitters	4	–	–	–	–	5	–	30	–	–	–	10
Printing craftsmen	21	–	–	–	7	–	–	54	–	5	–	68
Stationary engineers and power station operators	4	–	–	–	–	5	–	36	6	–	–	10
Other craftsmen and kindred workers	29	136	–	35	15	–	52	51	19	–	63	15
Operatives, except transport	**94**	**132**	**20**	**447**	**10**	**151**	**50**	**184**	**27**	**33**	**50**	**83**
Assemblers	–	–	–	–	–	–	–	–	–	–	5	6
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	–	–	–	–	–	–	–	–	–	–	–
Painters, manufactured articles	–	8	–	–	–	–	–	–	–	–	–	–
Precision machine operatives	–	4	–	–	–	–	–	5	–	–	–	–
Welders and flamecutters	–	34	–	4	–	4	–	15	–	–	6	10
Other specified operatives	41	57	20	438	10	126	45	61	–	19	16	21
Machine operatives, miscellaneous specified	22	9	–	–	–	10	–	–	17	5	14	5
Machine operatives, not specified	–	–	–	–	–	–	–	9	–	–	–	14
Miscellaneous operatives	26	15	–	5	–	11	5	94	10	9	9	23
Not specified operatives	5	5	–	–	–	–	–	–	–	–	–	4

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
MADISON SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	**24**	**31**	**5**	**46**	–	**39**	–	**73**	–	**7**	**5**	**101**
Deliverymen and routemen	14	6	–	41	–	5	–	15	–	7	–	5
Truck drivers	10	10	–	–	–	5	–	41	–	–	5	82
Other transport equipment operatives	–	15	5	5	–	29	–	17	–	–	–	14
Laborers, except farm	**33**	**80**	**10**	**75**	**28**	**69**	**21**	**139**	**14**	**18**	**9**	**127**
Freight, stock, and material handlers	6	–	–	12	5	36	–	–	6	–	–	24
Other specified laborers	11	77	5	24	20	21	13	129	8	4	9	83
Miscellaneous laborers	–	–	–	4	–	–	–	–	–	–	–	–
Not specified laborers	16	3	5	35	3	12	8	10	–	14	–	20
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**207**	**37**	**1 044**	**2 104**	**230**	**2 634**	**1 482**	**2 324**	**380**	**344**	**532**	**1 317**
Cleaning service workers	152	13	446	45	38	381	118	859	114	142	15	219
Personal service workers	4	2	166	707	77	49	40	250	73	62	8	19
Guards and watchmen	42	–	–	–	19	8	–	51	–	6	–	60
Other service workers, including private household	9	22	432	1 352	96	2 196	1 324	1 164	193	134	509	1 019
Female employed	**714**	**167**	**969**	**2 435**	**280**	**5 163**	**2 974**	**9 825**	**1 479**	**1 251**	**1 946**	**4 088**
Professional, technical, and kindred workers	**130**	**7**	**28**	**25**	**72**	**2 160**	**793**	**5 098**	**861**	**347**	**559**	**517**
Accountants	17	–	–	6	6	15	10	73	–	14	43	112
Computer specialists	5	–	–	–	–	–	–	76	–	–	–	32
Life and physical scientists	10	–	–	–	–	29	12	85	6	–	5	5
Registered nurses, dietitians, and therapists	5	–	5	4	–	1 521	525	124	11	22	14	45
Social scientists	–	–	–	–	–	5	9	41	–	–	4	15
Writers, artists, and entertainers	27	–	5	10	39	4	–	105	16	60	53	15
Other professional, technical, and kindred workers	66	7	18	5	27	586	237	4 594	828	251	440	293
Managers and administrators, except farm	**14**	**11**	**43**	**44**	**16**	**56**	**74**	**166**	**69**	**33**	**48**	**126**
Salaried	9	4	14	30	11	56	69	166	57	33	48	126
Self-employed	5	7	29	14	5	–	5	–	12	–	–	–
Sales workers	**36**	**6**	**5**	**63**	**37**	**10**	**8**	**11**	**7**	**5**	**17**	**6**
Clerical and kindred workers	**445**	**80**	**162**	**200**	**70**	**819**	**695**	**3 239**	**285**	**675**	**982**	**3 092**
Bookkeepers	51	21	17	14	4	46	75	49	15	59	140	85
Cashiers	4	–	4	9	28	25	4	37	–	8	5	10
Counter clerks, except food	–	–	87	67	7	–	–	15	–	–	–	–
File clerks	14	–	–	–	–	28	32	97	–	25	14	118
Office machine operators	33	–	–	–	–	25	31	131	4	32	59	380
Bookkeeping and billing machine operators	–	–	–	–	–	10	–	4	–	10	7	9
Receptionists	22	–	19	30	3	73	114	39	5	22	41	89
Secretaries	133	30	20	20	19	295	175	1 126	136	285	377	577
Stenographers	–	–	–	–	–	–	36	103	6	33	22	151
Typists	74	–	–	5	–	84	73	586	21	76	55	613
Other clerical and kindred workers	114	29	15	55	9	243	155	1 056	98	135	269	1 069
Craftsmen and kindred workers	**9**	**25**	**–**	**–**	**5**	**7**	**12**	**77**	**5**	**–**	**5**	**28**
Foremen, n.e.c	–	–	–	–	–	7	12	16	–	–	–	18
Operatives, except transport	**32**	**16**	**20**	**354**	**–**	**92**	**44**	**101**	**14**	**24**	**25**	**28**
Assemblers	–	–	–	–	–	–	–	–	–	–	5	6
Checkers, examiners, and inspectors, manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	–	–	–	–	–	–	5	4	–	5	5	–
Other operatives, except transport	32	16	20	354	–	92	39	97	14	19	15	22
Transport equipment operatives	–	–	–	–	–	–	–	–	–	–	–	5
Laborers, except farm	**6**	**5**	–	**6**	–	**27**	**7**	**10**	**4**	**7**	–	**11**
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**42**	**17**	**711**	**1 743**	**80**	**1 992**	**1 341**	**1 123**	**234**	**160**	**310**	**275**
Cleaning service workers	42	4	340	15	10	198	71	195	34	60	10	55
Personal service workers	–	–	128	435	29	25	30	180	63	43	–	14
Other service workers, including private household	–	13	243	1 293	41	1 769	1 240	748	137	57	300	206

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
MILWAUKEE SMSA												
Total employed	**573 490**	**6 279**	**642**	**24 768**	**201 339**	**1 836**	**2 211**	**14 052**	**2 553**	**17 568**	**52 755**	**30 963**
Professional, technical, and kindred workers	**86 213**	**433**	**46**	**1 024**	**22 035**	**59**	**168**	**1 217**	**188**	**1 151**	**6 299**	**6 328**
Accountants	6 278	27	14	102	2 091	12	20	134	27	165	541	502
Architects	353	28	–	5	5	–	–	5	–	–	–	–
Computer specialists	1 828	–	5	9	898	7	12	63	4	32	261	285
Engineers	11 466	32	14	536	8 165	10	31	429	78	423	2 819	2 939
Chemical	190	–	–	–	172	–	–	14	–	5	19	53
Civil	1 123	17	–	322	148	–	13	14	–	10	38	9
Electrical and electronic	2 766	4	–	19	2 132	–	4	28	9	35	192	1 728
Industrial	2 218	4	–	6	1 872	6	–	125	33	117	707	466
Mechanical	2 086	–	14	72	1 741	4	9	62	–	89	975	245
Other engineers	3 083	7	–	117	2 100	–	5	186	36	167	888	438
Mathematical specialists	198	–	–	–	36	–	–	–	–	–	22	14
Life and physical scientists	1 106	132	–	13	601	–	16	32	17	9	49	61
Chemists	693	–	–	–	530	–	11	32	11	4	49	42
Personnel and labor relations workers	2 018	12	5	22	789	10	5	51	15	62	230	220
Social scientists	850	–	–	10	310	–	–	3	–	9	77	77
Engineering and science technicians	6 826	16	4	216	4 817	11	48	357	38	279	1 443	1 612
Draftsmen	3 166	9	4	116	2 170	4	26	105	23	161	1 029	516
Electrical and electronic engineering technicians	1 261	–	–	22	967	7	3	6	–	13	57	775
Industrial and mechanical engineering technicians	424	–	–	10	377	–	–	43	–	24	119	82
Technicians, except health, and engineering and science	610	–	–	22	156	–	5	6	–	4	64	28
Writers, artists, and entertainers	5 601	25	–	50	2 158	5	15	10	4	45	332	282
Other professional, technical, and kindred workers	49 079	161	4	39	2 009	4	16	127	5	123	461	308
Managers and administrators, except farm	**41 450**	**129**	**74**	**2 109**	**10 066**	**137**	**169**	**433**	**111**	**1 141**	**2 295**	**1 297**
Buyers, purchasing agents, and sales managers	6 506	3	4	136	2 102	33	11	56	21	237	471	339
Other managers and administrators	34 944	126	70	1 973	7 964	104	158	377	90	904	1 824	958
Salaried	30 020	68	47	1 569	7 623	89	148	377	78	878	1 772	936
Self-employed	4 924	58	23	404	341	15	10	–	12	26	52	22
Sales workers	**44 539**	**68**	**32**	**425**	**5 321**	**117**	**106**	**139**	**70**	**297**	**683**	**291**
Clerical and kindred workers	**108 240**	**287**	**81**	**2 001**	**28 242**	**291**	**273**	**1 727**	**212**	**2 333**	**7 744**	**4 849**
Bookkeepers	9 219	69	15	359	1 914	39	13	101	15	135	442	242
Cashiers	6 233	10	–	–	52	–	–	–	–	10	10	5
Estimators and investigators, n.e.c	1 961	–	–	360	394	6	14	49	4	54	105	30
Office machine operators	5 235	10	4	35	1 882	–	–	104	6	154	573	448
Shipping and receiving clerks	3 937	–	–	41	2 466	48	9	171	24	331	622	347
Stock clerks and storekeepers	4 198	4	–	32	2 147	6	6	171	17	136	748	442
Other clerical and kindred workers	77 457	194	62	1 174	19 387	192	231	1 131	146	1 513	5 244	3 335
Craftsmen and kindred workers	**79 379**	**104**	**129**	**14 195**	**40 799**	**422**	**394**	**4 026**	**700**	**3 623**	**11 770**	**4 662**
Blacksmiths, forgemen, hammermen, and boilermakers	541	–	–	17	368	–	–	255	6	27	64	–
Brickmasons and stonemasons	1 244	–	–	1 066	100	–	–	58	–	20	12	–
Carpenters	3 530	5	–	2 674	376	49	7	45	13	20	105	16
Cranemen, derrickmen, and hoistmen	1 859	–	14	182	1 418	5	15	345	26	91	658	16
Electricians	3 357	–	–	1 496	1 194	–	–	116	15	70	417	209
Excavating, grading, and road machine operators	1 118	26	43	813	108	–	6	–	5	16	33	8
Foremen, n.e.c	13 574	10	28	819	9 240	83	152	923	127	885	2 407	1 340
Mechanics and repairmen	14 355	47	4	529	4 981	27	83	381	58	498	1 393	619
Automobile, including body	5 192	4	4	38	469	–	18	33	5	12	69	8
Machinists, job setters, and toolmakers	10 953	5	5	67	10 322	19	42	570	237	1 176	4 898	1 531
Metal craftsmen, except mechanics and machinists	4 434	–	6	653	3 618	15	11	955	148	373	1 019	466
Painters, construction and maintenance, and plasterers and paperhangers	2 102	–	–	1 152	454	3	–	18	–	68	143	91
Plumbers and pipe fitters	2 428	5	4	1 549	401	–	–	66	14	15	125	52
Printing craftsmen	4 049	–	–	6	3 722	–	–	13	–	85	64	44
Stationary engineers and power station operators	1 407	–	11	9	575	–	5	58	9	49	126	52
Other craftsmen and kindred workers	14 428	6	14	3 163	3 922	221	73	223	42	230	306	218
Operatives, except transport	**93 912**	**92**	**132**	**1 281**	**77 182**	**613**	**659**	**4 770**	**1 058**	**7 523**	**20 215**	**12 099**
Assemblers	13 614	–	–	48	13 111	175	62	148	61	1 099	4 261	4 207
Checkers, examiners, and inspectors; manufacturing	7 587	–	–	–	7 587	21	55	365	83	760	2 128	1 928
Filers, polishers, sanders, and buffers	773	–	–	23	689	19	12	14	34	189	177	81
Painters, manufactured articles	1 129	–	–	–	1 027	15	20	38	4	164	307	205
Precision machine operatives	8 075	4	4	36	7 832	21	20	913	141	574	4 480	853
Welders and flamecutters	6 730	5	–	231	5 902	17	29	486	75	984	2 289	363
Other specified operatives	32 426	20	128	753	20 202	154	137	975	307	1 837	2 115	1 851
Machine operatives, miscellaneous specified	7 905	16	–	54	7 143	50	150	829	174	645	1 053	729
Machine operatives, not specified	7 318	30	–	42	6 711	54	92	402	101	694	2 250	893
Miscellaneous operatives	4 903	17	–	52	3 834	46	56	376	38	287	599	607
Not specified operatives	3 452	–	–	42	3 144	41	26	224	40	290	556	382

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
MILWAUKEE SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	**19 942**	**61**	**123**	**847**	**5 625**	**66**	**265**	**418**	**40**	**511**	**917**	**268**
Deliverymen and routemen	3 704	9	5	31	1 011	7	26	24	5	5	37	5
Truck drivers	9 517	48	98	671	2 268	43	234	221	3	179	421	130
Other transport equipment operatives	6 721	4	20	145	2 346	16	5	173	32	327	459	133
Laborers, except farm	**23 188**	**484**	**20**	**2 681**	**7 736**	**107**	**127**	**927**	**113**	**740**	**1 855**	**516**
Freight, stock, and material handlers	10 507	6	11	118	3 002	46	30	205	36	304	735	302
Other specified laborers	7 060	442	–	2 563	1 158	32	5	47	6	68	191	53
Miscellaneous laborers	1 752	15	9	–	1 187	–	–	353	37	131	392	51
Not specified laborers	3 869	21	–	–	2 389	29	92	322	34	237	537	110
Farm workers	**4 564**	**4 564**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Service workers, including private household	**72 063**	**57**	**5**	**205**	**4 333**	**24**	**50**	**395**	**61**	**249**	**977**	**653**
Cleaning service workers	14 516	32	5	143	2 715	16	41	248	35	200	714	388
Personal service workers	6 847	10	–	–	102	3	5	4	–	11	5	37
Guards and watchmen	1 721	5	–	27	532	–	–	90	21	13	150	88
Other service workers, including private household	48 979	10	–	35	984	5	4	53	5	25	108	140
Female employed	**222 988**	**1 262**	**61**	**1 650**	**50 034**	**457**	**518**	**1 376**	**347**	**4 496**	**9 181**	**10 345**
Professional, technical, and kindred workers	**32 991**	**19**	**–**	**65**	**2 131**	**11**	**9**	**104**	**9**	**102**	**279**	**524**
Accountants	1 539	6	–	29	447	6	–	12	9	30	49	145
Computer specialists	290	–	–	5	77	–	–	6	–	–	23	26
Life and physical scientists	151	–	–	–	54	–	–	5	–	–	7	6
Registered nurses, dietitians, and therapists	6 914	–	–	–	249	–	–	35	–	23	82	51
Social scientists	119	–	–	–	17	–	–	–	–	–	7	–
Writers, artists, and entertainers	1 606	13	–	5	426	5	4	–	–	7	8	21
Other professional, technical, and kindred workers	22 372	–	–	26	861	–	5	46	–	42	103	275
Managers and administrators, except farm	**5 948**	**21**	**–**	**56**	**489**	**–**	**–**	**14**	**5**	**46**	**74**	**51**
Salaried	5 073	4	–	50	453	–	–	14	5	46	74	51
Self-employed	875	17	–	6	36	–	–	–	–	–	–	–
Sales workers	**20 021**	**4**	**–**	**37**	**444**	**6**	**4**	**6**	**–**	**21**	**30**	**38**
Clerical and kindred workers	**81 240**	**237**	**45**	**1 218**	**17 975**	**196**	**179**	**921**	**129**	**1 387**	**4 519**	**3 278**
Bookkeepers	7 846	64	15	294	1 509	33	8	64	15	78	338	175
Cashiers	5 872	10	–	–	52	–	–	–	–	10	10	5
Counter clerks, except food	990	–	–	4	217	–	–	5	–	5	52	17
File clerks	2 102	6	–	–	667	–	–	24	7	108	268	122
Office machine operators	4 161	5	4	22	1 405	–	–	67	6	101	431	338
Bookkeeping and billing machine operators	568	–	–	–	85	–	–	–	–	7	35	9
Receptionists	2 401	21	–	39	331	10	–	29	5	26	84	15
Secretaries	18 513	29	16	466	4 742	87	101	209	54	424	1 203	897
Stenographers	1 551	5	–	21	482	13	15	43	–	23	140	124
Typists	7 788	23	–	65	2 167	15	15	94	12	128	553	518
Other clerical and kindred workers	30 016	74	10	307	6 403	38	40	386	30	484	1 440	1 067
Craftsmen and kindred workers	**4 163**	**–**	**–**	**123**	**2 198**	**10**	**22**	**49**	**39**	**99**	**292**	**375**
Foremen, n.e.c.	952	–	–	3	468	6	10	13	–	21	41	78
Operatives, except transport	**30 548**	**4**	**16**	**45**	**24 860**	**214**	**283**	**183**	**149**	**2 619**	**3 613**	**5 793**
Assemblers	6 464	–	–	9	6 224	99	48	14	32	821	1 194	2 660
Checkers, examiners, and inspectors; manufacturing	2 913	–	–	–	2 913	3	44	10	5	407	510	829
Packers and wrappers, except meat and produce	2 355	4	–	11	1 563	4	30	–	6	164	70	168
Other operatives, except transport	18 816	–	16	25	14 160	108	161	159	106	1 227	1 839	2 136
Transport equipment operatives	**738**	**–**	**–**	**12**	**89**	**–**	**–**	**9**	**–**	**14**	**12**	**4**
Laborers, except farm	**2 771**	**108**	**–**	**36**	**941**	**20**	**11**	**50**	**16**	**178**	**200**	**90**
Farm workers	**836**	**836**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Service workers, including private household	**43 732**	**33**	**–**	**58**	**907**	**–**	**10**	**40**	**–**	**30**	**162**	**192**
Cleaning service workers	5 778	13	–	48	460	–	5	30	–	16	93	95
Personal service workers	4 566	10	–	–	25	–	5	–	–	–	–	9
Other service workers, including private household	33 388	10	–	10	422	–	–	10	–	14	69	88

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
MILWAUKEE SMSA													
Total employed	**11 560**	**93**	**2 129**	**1 040**	**13 986**	**14 796**	**2 007**	**2 369**	**4 003**	**11 848**	**3 838**	**2 461**	**9 271**
Professional, technical, and kindred workers	**838**	**10**	**151**	**93**	**1 501**	**1 046**	**103**	**90**	**190**	**1 381**	**577**	**130**	**515**
Accountants	88	7	8	–	53	192	4	–	64	87	53	26	108
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	32	–	5	5	47	56	11	–	–	37	6	–	35
Engineers	380	–	51	43	447	208	–	12	29	43	50	62	111
Chemical	6	–	–	–	–	39	–		–	–	23	9	4
Civil	5	–	6	–	4	31	–	7	–	–	–	–	11
Electrical and electronic	32	–	–	–	70	17	–	–	5	6	–	6	–
Industrial	126	–	20	18	117	37	–	–	4	28	13	10	45
Mechanical	161	–	20	20	75	40	–	–	10	5	–	16	10
Other engineers	50	–	5	5	181	44	–	5	10	4	14	21	41
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	4	–	–	–	11	151	–	–	6	10	201	16	18
Chemists	4	–	–	–	11	134	–	–	6	10	182	16	18
Personnel and labor relations workers	4	–	–	–	34	98	8	–	14	16	9	–	13
Social scientists	33	–	–	–	9	64	5	4	–	20	4	–	5
Engineering and science technicians	155	3	30	23	285	131	11	25	31	46	208	22	59
Draftsmen	82	–	21	5	105	11	–	25	10	13	–	10	24
Electrical and electronic engineering technicians	10	–	4	–	76	–	–	–	–	–	–	–	16
Industrial and mechanical engineering technicians	44	3	5	–	24	11	7	–	–	6	9	–	–
Technicians, except health, and engineering and science	6	–	–	7	12	9	–	–	–	–	10	–	5
Writers, artists, and entertainers	32	–	32	4	118	38	52	44	41	1 079	4	4	17
Other professional, technical, and kindred workers	104	–	25	11	485	99	12	5	5	43	32	–	144
Managers and administrators, except farm	**347**	**5**	**52**	**24**	**599**	**820**	**109**	**117**	**297**	**960**	**426**	**194**	**533**
Buyers, purchasing agents, and sales managers	76	5	26	10	93	173	10	39	64	223	105	38	72
Other managers and administrators	271	–	26	14	506	647	99	78	233	737	321	156	461
Salaried	266	–	22	14	486	606	89	68	217	684	318	145	430
Self-employed	5	–	4	–	20	41	10	10	16	53	3	11	31
Sales workers	**69**	**4**	**5**	**8**	**326**	**625**	**62**	**103**	**187**	**1 074**	**513**	**79**	**563**
Clerical and kindred workers	**1 172**	**13**	**329**	**49**	**1 884**	**2 052**	**247**	**207**	**525**	**2 288**	**527**	**272**	**1 248**
Bookkeepers	52	5	8	11	119	271	14	52	41	176	46	42	90
Cashiers	14	–	–	–	–	10	–	–	–	–	–	–	3
Estimators and investigators, n.e.c	38	–	–	–	10	5	4	7	5	49	10	4	–
Office machine operators	121	3	27	5	39	153	11	6	12	102	32	–	86
Shipping and receiving clerks	80	–	46	4	119	257	47	43	36	74	62	41	105
Stock clerks and storekeepers	204	–	27	11	105	71	16	7	57	20	39	11	53
Other clerical and kindred workers	663	5	221	18	1 492	1 285	155	92	374	1 867	338	174	911
Craftsmen and kindred workers	**2 691**	**16**	**550**	**257**	**2 586**	**2 294**	**277**	**170**	**881**	**3 810**	**374**	**312**	**984**
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	–	–	–	–	–	–	–	5	–	–	11
Brickmasons and stonemasons	5	–	–	–	–	–	–	–	–	5	–	–	–
Carpenters	4	–	44	–	20	5	–	–	–	6	16	–	26
Cranemen, derrickmen, and hoistmen	209	–	–	–	14	10	–	–	24	–	5	–	–
Electricians	144	–	14	–	40	98	9	–	18	23	10	–	11
Excavating, grading, and road machine operators	–	–	–	–	11	22	4	–	3	–	–	–	–
Foremen, n.e.c	676	–	109	57	306	744	90	65	267	415	167	96	331
Mechanics and repairmen	491	4	147	107	234	355	66	5	185	104	81	73	70
Automobile, including body	221	–	16	4	–	52	–	–	–	25	6	–	–
Machinists, job setters, and toolmakers	765	4	128	80	235	228	29	–	150	29	36	94	71
Metal craftsmen, except mechanics and machinists	177	8	58	–	270	48	5	–	13	12	15	5	20
Painters, construction and maintenance, and plasterers and paperhangers	53	–	5	–	24	9	–	–	7	9	6	18	–
Plumbers and pipe fitters	28	–	–	–	34	48	–	–	–	5	–	5	4
Printing craftsmen	15	–	11	–	15	36	39	11	194	3 159	22	5	9
Stationary engineers and power station operators	34	–	9	–	19	178	–	–	–	17	5	5	9
Other craftsmen and kindred workers	90	–	25	13	1 364	513	35	89	15	21	11	11	422
Operatives, except transport	**5 138**	**30**	**944**	**552**	**5 880**	**4 827**	**1 088**	**1 593**	**1 568**	**1 683**	**1 067**	**1 351**	**4 524**
Assemblers	1 277	11	235	37	778	48	11	12	64	84	182	153	206
Checkers, examiners, and inspectors; manufacturing	446	8	79	177	236	231	92	122	61	109	43	187	456
Filers, polishers, sanders, and buffers	78	–	16	–	23	–	–	–	–	4	3	19	20
Painters, manufactured articles	115	–	6	–	52	16	4	9	10	5	4	30	23
Precision machine operatives	221	–	210	45	228	22	–	6	–	12	14	17	55
Welders and flamecutters	1 347	–	77	–	103	55	–	–	4	5	27	6	35
Other specified operatives	812	–	133	24	3 678	2 256	981	1 313	460	379	292	163	2 335
Machine operatives, miscellaneous specified	228	5	25	32	235	882	–	22	474	352	267	460	531
Machine operatives, not specified	215	6	94	209	230	187	–	17	305	417	117	197	231
Miscellaneous operatives	272	–	49	16	203	219	–	67	109	277	48	71	494
Not specified operatives	127	–	20	12	114	911	–	25	81	39	70	48	138

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
MILWAUKEE SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	**455**	**4**	**40**	**4**	**262**	**1 595**	**38**	**5**	**125**	**278**	**68**	**22**	**244**
Deliverymen and routemen	8	–	–	–	16	749	11	–	–	89	13	5	11
Truck drivers	170	4	24	–	34	440	14	5	64	178	51	6	47
Other transport equipment operatives	277	–	16	4	212	406	13	–	61	11	4	11	186
Laborers, except farm	**553**	**11**	**42**	**22**	**495**	**1 079**	**59**	**41**	**181**	**217**	**165**	**66**	**420**
Freight, stock, and material handlers	222	–	25	14	56	486	35	32	78	126	82	43	145
Other specified laborers	41	–	–	–	367	157	–	–	4	3	25	4	155
Miscellaneous laborers	99	5	–	–	8	44	–	–	10	10	13	5	29
Not specified laborers	191	6	17	8	64	392	24	9	89	78	45	14	91
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**297**	–	**16**	**31**	**453**	**458**	**24**	**43**	**49**	**157**	**121**	**35**	**240**
Cleaning service workers	187	–	10	11	165	293	16	38	44	117	80	30	82
Personal service workers	7	–	6	–	–	3	–	–	–	11	5	–	5
Guards and watchmen	77	–	–	–	–	22	8	–	–	10	36	–	17
Other service workers, including private household	26	–	–	20	288	140	–	5	5	19	–	5	136
Female employed	**1 375**	**8**	**284**	**587**	**3 980**	**3 119**	**1 214**	**1 925**	**1 136**	**3 446**	**1 171**	**1 271**	**3 798**
Professional, technical, and kindred workers	**32**	–	**5**	**21**	**102**	**174**	**53**	**54**	**57**	**352**	**169**	**21**	**53**
Accountants	–	–	–	–	8	62	4	–	41	29	19	11	22
Computer specialists	–	–	–	–	11	11	–	–	–	–	–	–	–
Life and physical scientists	–	–	–	–	–	10	–	–	–	–	26	–	–
Registered nurses, dietitians, and therapists	14	–	5	11	4	19	–	–	–	–	–	–	5
Social scientists	–	–	–	–	–	–	5	–	–	5	–	–	–
Writers, artists, and entertainers	–	–	–	–	16	–	37	36	5	283	4	–	–
Other professional, technical, and kindred workers	18	–	–	10	63	72	7	18	11	35	120	10	26
Managers and administrators, except farm	**7**	–	**10**	–	**43**	**68**	**14**	**23**	**15**	**51**	**21**	**10**	**37**
Salaried	7	–	10	–	43	47	14	18	15	51	21	10	27
Self-employed	–	–	–	–	–	21	–	5	–	–	–	–	10
Sales workers	–	–	–	–	**30**	**95**	**13**	**21**	**12**	**93**	**40**	–	**35**
Clerical and kindred workers	**550**	**8**	**144**	**40**	**1 331**	**1 436**	**159**	**161**	**367**	**1 686**	**354**	**209**	**921**
Bookkeepers	37	5	8	11	110	208	9	47	36	176	42	35	74
Cashiers	14	–	–	–	–	10	–	–	–	–	–	–	3
Counter clerks, except food	–	–	4	–	15	21	4	4	6	61	4	–	19
File clerks	16	–	9	–	21	17	9	–	9	43	5	–	9
Office machine operators	89	3	17	5	29	130	11	6	12	54	29	–	77
Bookkeeping and billing machine operators	–	–	–	–	5	11	6	–	–	6	–	–	6
Receptionists	8	–	–	–	41	10	4	–	21	48	25	–	5
Secretaries	158	–	37	8	306	517	31	13	95	294	103	81	124
Stenographers	5	–	5	–	22	42	–	7	5	13	11	5	9
Typists	59	–	32	–	86	91	13	20	53	379	41	13	45
Other clerical and kindred workers	164	–	32	16	701	390	78	64	130	618	94	75	556
Craftsmen and kindred workers	**60**	–	**21**	**45**	**130**	**155**	**78**	**97**	**70**	**397**	**33**	**31**	**195**
Foremen, n.e.c.	13	–	16	5	20	39	20	45	15	66	9	–	51
Operatives, except transport	**662**	–	**104**	**458**	**2 192**	**952**	**870**	**1 525**	**573**	**793**	**466**	**966**	**2 445**
Assemblers	214	–	42	21	589	–	6	12	30	62	143	107	130
Checkers, examiners, and inspectors; manufacturing	69	–	3	170	113	43	73	122	24	78	35	167	208
Packers and wrappers, except meat and produce	25	–	–	–	81	491	96	62	132	62	80	46	46
Other operatives, except transport	354	–	59	267	1 409	418	695	1 329	387	591	208	646	2 061
Transport equipment operatives	15	–	–	–	7	12	–	–	5	11	–	–	–
Laborers, except farm	**28**	–	–	**12**	**53**	**47**	**23**	**18**	**24**	**24**	**53**	**24**	**70**
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**21**	–	–	**11**	**92**	**180**	**4**	**26**	**13**	**39**	**35**	**10**	**42**
Cleaning service workers	9	–	–	–	34	81	4	21	8	9	35	5	15
Personal service workers	–	–	–	–	–	–	–	–	–	11	–	–	–
Other service workers, including private household	12	–	–	11	58	99	–	5	5	19	–	5	27

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
MILWAUKEE SMSA													
Total employed	**3 510**	**8 292**	**4 621**	**6 365**	**9 229**	**25 941**	**21 294**	**15 069**	**9 473**	**19 079**	**28 526**	**11 981**	**16 583**
Professional, technical, and kindred workers	**114**	**84**	**153**	**1 027**	**974**	**1 496**	**541**	**121**	**133**	**131**	**1 303**	**819**	**830**
Accountants	5	54	16	94	125	282	142	59	72	30	102	249	389
Architects	–	–	–	–	5	–	–	–	–	–	6	–	4
Computer specialists	–	10	–	72	24	117	67	5	–	–	16	189	145
Engineers	60	6	29	303	378	518	17	6	18	–	63	57	20
Chemical	–	–	–	–	10	3	–	–	–	–	–	–	–
Civil	36	–	10	25	45	5	–	–	5	–	4	16	9
Electrical and electronic	5	–	–	268	177	56	–	–	–	–	8	–	–
Industrial	4	6	–	5	9	68	14	6	–	–	11	31	5
Mechanical	15	–	19	–	63	26	–	–	–	–	16	4	–
Other engineers	–	–	–	5	74	360	3	–	13	–	24	6	6
Mathematical specialists	–	–	–	13	5	5	–	–	–	–	–	72	5
Life and physical scientists	–	–	–	–	31	22	4	–	–	–	–	–	–
Chemists	–	–	–	–	25	16	4	–	–	–	–	–	–
Personnel and labor relations workers	9	10	6	48	33	84	100	23	6	6	28	53	56
Social scientists	–	–	–	18	22	57	–	–	–	–	19	25	34
Engineering and science technicians	21	–	7	122	150	165	23	–	10	–	22	20	8
Draftsmen	16	–	–	30	78	53	–	–	5	–	–	10	4
Electrical and electronic engineering technicians	–	–	7	80	32	54	18	–	–	–	9	5	–
Industrial and mechanical engineering technicians	–	–	–	–	–	17	5	–	–	–	–	–	–
Technicians, except health, and engineering and science	2	–	79	36	28	9	5	–	–	–	4	16	–
Writers, artists, and entertainers	–	4	–	247	59	98	120	19	23	89	168	22	23
Other professional, technical, and kindred workers	17	–	16	74	114	139	63	9	4	6	875	116	146
Managers and administrators, except farm	**371**	**633**	**331**	**527**	**407**	**3 522**	**1 684**	**1 896**	**1 626**	**1 954**	**3 493**	**1 030**	**2 800**
Buyers, purchasing agents, and sales managers	26	37	31	33	84	1 087	978	448	153	49	748	149	107
Other managers and administrators	345	596	300	494	323	2 435	706	1 448	1 473	1 905	2 745	881	2 693
Salaried	345	524	285	494	303	2 173	657	1 025	925	1 008	1 935	848	2 533
Self-employed	–	72	15	–	20	262	49	423	548	897	810	33	160
Sales workers	**30**	**135**	**84**	**107**	**118**	**5 580**	**9 906**	**2 808**	**1 289**	**330**	**10 369**	**3 445**	**2 656**
Clerical and kindred workers	**621**	**1 368**	**842**	**2 866**	**1 588**	**6 410**	**5 226**	**4 212**	**1 077**	**773**	**4 824**	**6 254**	**8 208**
Bookkeepers	11	96	39	97	93	941	370	249	388	164	960	341	1 012
Cashiers	10	23	14	31	24	77	1 070	2 962	102	400	663	37	140
Estimators and investigators, n.e.c	–	42	9	58	49	71	242	14	17	5	12	148	189
Office machine operators	49	55	19	129	39	366	370	64	35	6	62	436	738
Shipping and receiving clerks	24	238	30	–	10	554	221	57	11	20	101	25	14
Stock clerks and storekeepers	51	58	5	10	77	357	359	310	48	28	288	29	9
Other clerical and kindred workers	476	856	726	2 541	1 296	4 044	2 594	556	476	150	2 738	5 238	6 106
Craftsmen and kindred workers	**1 251**	**702**	**384**	**1 615**	**3 040**	**2 714**	**993**	**584**	**2 389**	**72**	**2 731**	**136**	**357**
Blacksmiths, forgemen, hammermen, and boilermakers	23	5	–	–	38	9	–	6	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	30	20	4	–	–	–	3	–	6
Carpenters	42	4	11	7	36	32	31	–	–	–	52	4	36
Cranemen, derrickmen, and hoistmen	21	11	5	–	36	119	–	–	–	6	6	–	5
Electricians	82	–	–	19	264	41	38	4	–	–	27	–	6
Excavating, grading, and road machine operators	6	–	4	–	35	16	–	–	–	–	4	–	–
Foremen, n.e.c	140	266	58	204	611	697	352	164	72	19	187	68	63
Mechanics and repairmen	283	337	267	46	554	907	276	20	2 225	16	642	4	29
Automobile, including body	–	313	166	12	45	179	72	5	2 161	–	56	–	–
Machinists, job setters, and toolmakers	89	12	5	5	85	171	4	–	22	–	30	6	–
Metal craftsmen, except mechanics and machinists	4	21	–	–	10	61	–	–	–	–	19	–	6
Painters, construction and maintenance, and plasterers and paperhangers	6	–	5	4	21	39	6	–	37	–	25	6	50
Plumbers and pipe fitters	22	–	–	7	123	42	–	–	–	–	85	5	11
Printing craftsmen	5	5	–	11	14	19	38	6	4	–	10	8	27
Stationary engineers and power station operators	15	4	–	8	417	29	9	–	3	–	31	–	40
Other craftsmen and kindred workers	513	37	29	1 304	766	512	235	384	26	31	1 610	35	78
Operatives, except transport	**224**	**171**	**229**	**37**	**547**	**2 460**	**572**	**2 009**	**2 380**	**108**	**1 225**	**19**	**89**
Assemblers	5	13	3	12	4	215	10	11	13	20	53	–	6
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	6	–	–	–	–	–	–	–	16	–	6	–	5
Painters, manufactured articles	–	–	–	–	16	16	–	–	5	–	17	–	–
Precision machine operatives	–	–	–	–	4	72	–	–	15	–	14	5	5
Welders and flamecutters	117	15	3	–	33	183	–	–	6	–	9	–	5
Other specified operatives	16	77	132	20	256	1 110	483	1 802	18	5	987	4	42
Machine operatives, miscellaneous specified	4	35	10	–	47	310	11	48	2 241	54	56	5	–
Machine operatives, not specified	17	16	–	–	74	247	5	–	37	9	15	–	5
Miscellaneous operatives	53	5	81	5	101	212	58	93	4	10	54	5	7
Not specified operatives	6	10	–	–	12	95	5	50	23	5	5	–	14

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
MILWAUKEE SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	**538**	**4 170**	**2 252**	**31**	**753**	**1 897**	**313**	**307**	**230**	**196**	**881**	**14**	**36**
Deliverymen and routemen	–	247	11	23	4	868	270	168	97	178	378	5	7
Truck drivers	19	3 788	21	8	320	863	9	122	84	13	344	9	15
Other transport equipment operatives	519	135	2 220	–	429	166	34	17	49	5	159	–	14
Laborers, except farm	**220**	**945**	**140**	**25**	**1 511**	**1 469**	**811**	**2 666**	**230**	**83**	**1 126**	**19**	**226**
Freight, stock, and material handlers	60	872	79	4	737	994	776	2 545	36	37	581	6	10
Other specified laborers	17	21	25	5	453	185	12	41	164	–	374	–	119
Miscellaneous laborers	98	10	6	–	162	54	–	29	5	–	51	–	41
Not specified laborers	45	42	30	16	159	236	23	51	25	46	120	13	56
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**141**	**84**	**206**	**130**	**291**	**393**	**1 248**	**466**	**119**	**15 372**	**2 574**	**245**	**1 381**
Cleaning service workers	53	60	53	85	186	264	241	125	104	493	380	136	912
Personal service workers	–	10	47	5	–	15	151	18	5	143	43	23	62
Guards and watchmen	14	14	–	9	6	13	89	–	–	–	45	8	69
Other service workers, including private household	74	–	106	31	99	101	767	323	10	14 736	2 106	78	338
Female employed	**216**	**919**	**994**	**3 090**	**1 367**	**6 565**	**16 085**	**7 548**	**1 199**	**10 779**	**14 215**	**6 484**	**9 249**
Professional, technical, and kindred workers	**–**	**15**	**24**	**168**	**151**	**191**	**240**	**55**	**44**	**58**	**293**	**276**	**223**
Accountants	–	15	6	48	49	67	62	32	35	10	23	99	97
Computer specialists	–	–	–	3	5	27	10	5	–	–	–	67	50
Life and physical scientists	–	–	–	–	–	11	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	–	–	–	–	–	4	12	4	4	–	–	5	4
Social scientists	–	–	–	–	9	9	–	–	–	–	15	–	–
Writers, artists, and entertainers	–	–	–	26	28	28	69	9	–	48	73	12	9
Other professional, technical, and kindred workers	–	–	18	91	60	45	87	5	5	–	182	93	63
Managers and administrators, except farm	**5**	**53**	**97**	**66**	**9**	**255**	**565**	**360**	**57**	**521**	**767**	**200**	**489**
Salaried	5	44	91	66	9	234	544	224	57	265	600	195	479
Self-employed	–	9	6	–	–	21	21	136	–	256	167	5	10
Sales workers	**–**	**12**	**14**	**39**	**27**	**316**	**8 561**	**2 339**	**54**	**153**	**6 292**	**357**	**524**
Clerical and kindred workers	**175**	**719**	**391**	**2 651**	**985**	**4 584**	**4 765**	**3 580**	**914**	**606**	**3 933**	**5 419**	**7 054**
Bookkeepers	–	86	39	83	67	810	361	237	333	140	840	331	898
Cashiers	5	9	–	31	24	62	1 047	2 839	96	351	613	37	135
Counter clerks, except food	–	–	–	37	6	68	148	–	–	4	28	5	5
File clerks	–	40	5	38	32	82	156	–	34	–	35	343	227
Office machine operators	9	46	15	118	26	317	311	50	29	6	51	348	595
Bookkeeping and billing machine operators	–	19	–	12	–	86	28	–	5	–	9	9	251
Receptionists	–	–	8	32	33	95	28	6	22	6	41	62	136
Secretaries	44	135	53	180	166	1 304	264	71	123	54	490	1 246	1 281
Stenographers	27	–	5	60	49	114	–	5	6	–	19	117	89
Typists	15	68	38	218	107	403	165	22	63	10	135	915	588
Other clerical and kindred workers	75	335	228	1 854	475	1 329	2 285	350	208	35	1 681	2 015	3 100
Craftsmen and kindred workers	**2**	**13**	**4**	**72**	**40**	**145**	**306**	**88**	**23**	**31**	**505**	**29**	**60**
Foremen, n.e.c	–	4	–	35	9	52	170	13	–	–	39	25	35
Operatives, except transport	**5**	**23**	**–**	**17**	**20**	**742**	**484**	**569**	**60**	**36**	**576**	**10**	**41**
Assemblers	–	–	–	12	–	96	10	11	8	7	14	–	6
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	–	14	–	–	–	272	258	97	–	11	45	–	–
Other operatives, except transport	5	9	–	5	20	374	216	461	52	18	517	10	35
Transport equipment operatives	**–**	**66**	**420**	**–**	**35**	**25**	**5**	**–**	**17**	**–**	**10**	**–**	**–**
Laborers, except farm	**–**	**14**	**11**	**–**	**16**	**209**	**258**	**270**	**4**	**23**	**262**	**13**	**52**
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**29**	**4**	**33**	**77**	**84**	**98**	**901**	**287**	**26**	**9 351**	**1 577**	**180**	**806**
Cleaning service workers	10	4	4	41	50	68	67	32	16	162	121	89	570
Personal service workers	–	–	23	5	–	10	142	18	5	76	33	19	40
Other service workers, including private household	19	–	6	31	34	20	692	237	5	9 113	1 423	72	196

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
MILWAUKEE SMSA												
Total employed	**9 466**	**6 113**	**2 802**	**15 221**	**4 486**	**23 438**	**13 589**	**27 713**	**12 581**	**8 426**	**13 885**	**22 839**
Professional, technical, and kindred workers	**1 605**	**175**	**97**	**474**	**841**	**8 464**	**4 786**	**17 643**	**7 613**	**3 587**	**7 106**	**2 558**
Accountants	264	37	42	29	6	94	29	42	36	63	1 302	481
Architects	4	–	–	–	–	–	–	5	–	–	273	18
Computer specialists	65	–	–	–	5	33	6	39	38	3	60	22
Engineers	129	21	–	20	10	19	31	34	10	5	535	430
Chemical	–	–	–	–	–	–	–	–	–	–	5	–
Civil	20	6	–	–	–	–	10	16	5	–	128	296
Electrical and electronic	6	10	–	–	10	–	–	10	–	–	38	23
Industrial	51	–	–	13	–	6	–	–	–	5	59	43
Mechanical	–	–	–	–	–	–	–	–	5	–	101	10
Other engineers	52	5	–	7	–	13	21	8	–	–	204	58
Mathematical specialists	–	–	–	–	–	–	5	11	5	6	24	11
Life and physical scientists	33	–	–	–	–	106	39	32	22	–	19	52
Chemists	33	–	–	–	–	31	16	5	4	–	19	10
Personnel and labor relations workers	259	–	–	33	6	65	35	37	28	30	4	231
Social scientists	64	–	–	–	–	41	20	68	15	13	48	86
Engineering and science technicians	174	11	–	7	5	25	33	69	67	31	580	223
Draftsmen	127	4	–	–	–	6	–	5	–	31	390	108
Electrical and electronic engineering technicians	–	7	–	–	5	5	–	–	6	–	25	19
Industrial and mechanical engineering technicians	6	–	–	–	–	–	–	–	–	–	9	–
Technicians, except health, and engineering and science	6	–	–	16	–	6	6	10	20	5	11	173
Writers, artists, and entertainers	500	8	19	287	543	42	23	116	124	324	474	36
Other professional, technical, and kindred workers	107	98	36	82	266	8 033	4 559	17 180	7 248	3 107	3 776	795
Managers and administrators, except farm	**1 038**	**487**	**282**	**787**	**472**	**546**	**399**	**1 199**	**653**	**656**	**246**	**2 033**
Buyers, purchasing agents, and sales managers	88	8	5	35	25	36	12	28	4	13	25	52
Other managers and administrators	950	479	277	752	447	510	387	1 171	649	643	221	1 981
Salaried	812	341	177	513	342	510	356	1 171	617	628	210	1 981
Self-employed	138	138	100	239	105	–	31	–	32	15	11	–
Sales workers	**687**	**151**	**22**	**401**	**211**	**27**	**18**	**24**	**112**	**68**	**88**	**27**
Clerical and kindred workers	**3 223**	**762**	**445**	**1 389**	**608**	**3 765**	**2 184**	**4 387**	**2 100**	**2 017**	**3 921**	**8 559**
Bookkeepers	259	126	54	141	87	183	220	98	75	229	410	219
Cashiers	9	25	57	83	185	84	–	59	49	36	12	19
Estimators and investigators, n.e.c	109	21	–	–	–	21	21	–	–	14	16	149
Office machine operators	313	6	10	28	4	198	22	61	59	34	137	64
Shipping and receiving clerks	30	10	–	25	17	–	–	9	16	–	3	15
Stock clerks and storekeepers	54	6	–	27	6	100	11	43	21	7	14	97
Other clerical and kindred workers	2 449	568	324	1 085	309	3 179	1 910	4 117	1 880	1 697	3 329	7 996
Craftsmen and kindred workers	**603**	**2 760**	**62**	**482**	**325**	**426**	**342**	**444**	**173**	**122**	**261**	**1 184**
Blacksmiths, forgemen, hammermen, and boilermakers	–	56	–	5	–	–	–	–	5	–	9	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	4	–	–	–	11
Carpenters	16	5	9	15	11	23	5	59	5	13	10	49
Cranemen, derrickmen, and hoistmen	13	–	–	–	–	–	–	–	–	–	10	13
Electricians	9	9	–	5	18	18	–	21	10	–	–	96
Excavating, grading, and road machine operators	–	8	–	–	–	–	–	–	–	–	–	55
Foremen, n.e.c	63	76	9	132	11	42	49	28	16	16	13	121
Mechanics and repairmen	179	2 111	–	23	104	51	7	44	40	5	31	593
Automobile, including body	43	1 349	–	4	4	–	7	11	5	–	–	245
Machinists, job setters, and toolmakers	25	30	–	–	–	5	7	12	–	–	14	32
Metal craftsmen, except mechanics and machinists	5	–	–	–	–	5	–	26	–	–	–	–
Painters, construction and maintenance, and plasterers and paperhangers	32	10	22	20	–	39	8	73	14	15	–	64
Plumbers and pipe fitters	33	18	–	–	–	38	–	28	–	22	–	35
Printing craftsmen	65	4	–	2	–	35	3	17	14	15	13	6
Stationary engineers and power station operators	–	–	10	6	–	97	5	66	20	–	10	42
Other craftsmen and kindred workers	163	433	12	274	181	73	258	66	49	36	151	67
Operatives, except transport	**414**	**557**	**24**	**2 244**	**69**	**507**	**224**	**192**	**110**	**234**	**283**	**297**
Assemblers	32	4	–	6	14	–	–	5	3	–	21	5
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	11	–	–	5	–	–	–	–	12	–	–
Painters, manufactured articles	–	33	–	–	–	–	–	–	–	–	–	–
Precision machine operatives	5	36	–	–	–	–	6	–	–	5	32	9
Welders and flamecutters	9	166	–	3	–	–	–	4	–	–	8	14
Other specified operatives	248	226	24	2 160	46	488	181	146	77	174	173	156
Machine operatives, miscellaneous specified	19	15	–	24	4	5	6	14	8	9	7	9
Machine operatives, not specified	15	13	–	19	–	–	4	–	11	4	32	44
Miscellaneous operatives	75	41	–	19	–	14	27	23	11	30	5	53
Not specified operatives	11	12	–	13	–	–	–	–	–	–	5	7

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
MILWAUKEE SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	**147**	**306**	**20**	**357**	**35**	**50**	**38**	**64**	**23**	**40**	**66**	**522**
Deliverymen and routemen	59	31	–	242	5	–	20	22	–	–	13	–
Truck drivers	67	89	–	84	5	21	18	25	8	18	16	466
Other transport equipment operatives	21	186	20	31	25	29	–	17	15	22	37	56
Laborers, except farm	**145**	**578**	**23**	**336**	**215**	**133**	**48**	**126**	**66**	**76**	**84**	**966**
Freight, stock, and material handlers	39	12	4	85	29	83	–	41	19	4	–	317
Other specified laborers	19	494	12	184	120	28	19	42	43	36	66	418
Miscellaneous laborers	–	45	–	6	10	–	–	–	–	–	5	19
Not specified laborers	87	27	7	61	56	22	29	43	4	36	13	212
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**1 604**	**337**	**1 827**	**8 751**	**1 710**	**9 520**	**5 550**	**3 634**	**1 731**	**1 626**	**1 830**	**6 693**
Cleaning service workers	955	54	777	220	177	1 614	633	1 759	800	844	77	619
Personal service workers	56	13	232	3 772	616	137	162	428	248	405	55	89
Guards and watchmen	464	11	–	4	4	66	8	35	21	28	16	233
Other service workers, including private household	129	259	818	4 755	913	7 703	4 747	1 412	662	349	1 682	5 752
Female employed	**3 990**	**915**	**1 733**	**11 033**	**1 886**	**19 301**	**9 831**	**17 314**	**8 184**	**4 468**	**7 083**	**5 533**
Professional, technical, and kindred workers	**385**	**40**	**46**	**187**	**265**	**6 851**	**2 229**	**10 723**	**4 837**	**1 281**	**1 771**	**423**
Accountants	84	12	17	4	6	34	17	12	23	30	183	92
Computer specialists	9	–	–	–	–	9	–	–	10	–	7	6
Life and physical scientists	–	–	–	–	–	48	11	–	18	–	5	4
Registered nurses, dietitians, and therapists	18	–	4	39	10	4 784	1 464	149	48	44	16	56
Social scientists	–	–	–	–	–	6	15	24	5	–	10	9
Writers, artists, and entertainers	83	–	9	96	136	16	12	45	45	244	169	5
Other professional, technical, and kindred workers	191	28	16	48	113	1 954	710	10 493	4 688	963	1 381	251
Managers and administrators, except farm	**111**	**27**	**90**	**165**	**112**	**283**	**179**	**231**	**252**	**147**	**60**	**281**
Salaried	102	11	45	110	95	283	158	231	235	142	60	281
Self-employed	9	16	45	55	17	–	21	–	17	5	–	–
Sales workers	**172**	**42**	**5**	**259**	**166**	**22**	**13**	**12**	**49**	**39**	**56**	**13**
Clerical and kindred workers	**2 637**	**524**	**319**	**1 276**	**544**	**3 585**	**2 076**	**3 963**	**1 847**	**1 826**	**3 604**	**3 788**
Bookkeepers	225	100	37	133	87	170	206	71	63	186	333	128
Cashiers	5	21	57	83	159	84	–	59	42	31	12	8
Counter clerks, except food	24	19	83	299	14	4	–	5	5	11	4	–
File clerks	70	–	5	11	4	85	47	57	22	24	32	80
Office machine operators	261	6	10	23	–	184	22	47	48	28	122	53
Bookkeeping and billing machine operators	–	–	10	6	–	27	6	–	–	5	–	10
Receptionists	112	3	11	61	9	392	532	52	153	45	92	79
Secretaries	754	63	40	114	126	691	775	1 379	757	892	1 609	649
Stenographers	61	6	–	–	5	56	24	55	21	49	49	226
Typists	413	26	13	43	24	537	87	379	195	218	243	608
Other clerical and kindred workers	712	280	63	509	116	1 382	383	1 859	541	342	1 108	1 957
Craftsmen and kindred workers	**59**	**54**	**–**	**96**	**11**	**66**	**83**	**31**	**28**	**53**	**35**	**8**
Foremen, n.e.c	16	–	–	23	–	–	26	5	–	16	5	8
Operatives, except transport	**189**	**83**	**4**	**1 770**	**42**	**345**	**151**	**52**	**67**	**178**	**133**	**26**
Assemblers	27	–	–	6	14	–	–	–	3	–	12	5
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	28	14	–	21	–	5	–	–	12	–	–	–
Other operatives, except transport	134	69	4	1 743	28	340	151	52	52	178	121	21
Transport equipment operatives	**10**	**5**	**–**	**–**	**–**	**–**	**3**	**6**	**5**	**–**	**–**	**30**
Laborers, except farm	**22**	**90**	**8**	**106**	**34**	**97**	**34**	**20**	**19**	**23**	**34**	**67**
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**405**	**50**	**1 261**	**7 174**	**712**	**8 052**	**5 063**	**2 276**	**1 080**	**921**	**1 390**	**897**
Cleaning service workers	300	16	594	81	28	1 073	435	592	343	343	42	176
Personal service workers	52	–	150	2 663	168	86	139	337	186	295	40	44
Other service workers, including private household	53	34	517	4 430	516	6 893	4 489	1 347	551	283	1 308	677

Table 181. Occupation of Employed Negroes by Major Industry: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State

	Negroes 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing: Durable goods	Manufacturing: Nondurable goods, including *not specified* manufacturing	Transportation, communications, and other public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Business and repair services	Personal services	Entertainment and *recreation* services	Professional and related services	Public administration
Total employed	**41 151**	**404**	**38**	**1 067**	**13 376**	**4 066**	**1 763**	**1 270**	**3 879**	**968**	**741**	**3 005**	**128**	**8 967**	**1 539**
Professional, technical, and kindred workers	**3 125**	**3**	**–**	**5**	**175**	**108**	**44**	**25**	**17**	**7**	**62**	**17**	**47**	**2 459**	**156**
Accountants	77	–	–	5	5	9	9	8	–	–	7	–	–	19	15
Engineers	66	–	–	–	35	–	6	–	–	–	–	8	–	5	12
Life and physical scientists	41	–	–	–	–	24	–	–	–	–	–	–	–	17	–
Health workers	496	–	–	–	6	3	–	–	5	–	–	4	–	469	9
Social scientists	16	–	–	–	–	–	–	–	–	–	13	–	–	3	–
Engineering and science technicians	159	–	–	–	59	33	8	12	–	–	–	–	–	35	12
Technicians, except health, and engineering and science	9	–	–	–	–	–	5	–	–	–	–	–	–	4	–
Writers, artists, and entertainers	93	–	–	–	12	14	3	–	12	4	6	–	9	33	–
Other professional, technical, and kindred workers	2 168	3	–	–	58	25	13	5	–	3	36	5	38	1 874	108
Managers and administrators, except farm	**735**	**3**	**–**	**13**	**20**	**31**	**32**	**9**	**284**	**29**	**22**	**45**	**4**	**184**	**59**
Buyers, purchasing agents, and sales managers	15	–	–	–	–	–	6	–	9	–	–	–	–	–	–
Other managers and administrators	720	3	–	13	20	31	26	9	275	29	22	45	4	184	59
Salaried	572	–	–	6	20	31	21	3	170	24	22	28	4	184	59
Self-employed	148	3	–	7	–	–	5	6	105	5	–	17	–	–	–
Sales workers	**894**	**–**	**–**	**6**	**23**	**103**	**17**	**21**	**491**	**138**	**–**	**60**	**–**	**35**	**–**
Clerical and kindred workers	**5 062**	**16**	**–**	**–**	**663**	**354**	**438**	**186**	**541**	**633**	**120**	**103**	**–**	**1 371**	**637**
Bookkeepers	160	–	–	–	7	4	5	25	26	35	8	14	–	32	4
Cashiers and receptionists	317	6	–	–	5	–	–	–	183	13	5	34	–	58	13
Office machine operators	477	–	–	–	115	61	32	17	75	122	26	–	–	25	4
Secretaries, stenographers, and typists	835	4	–	–	96	85	45	44	38	106	23	7	–	318	69
Shipping and stock clerks	418	–	–	–	167	84	15	29	72	11	11	10	–	19	–
Other clerical and kindred workers	2 855	6	–	–	273	120	341	71	147	346	47	38	–	919	547
Craftsmen and kindred workers	**4 181**	**–**	**11**	**343**	**2 464**	**376**	**257**	**174**	**258**	**9**	**86**	**48**	**6**	**100**	**49**
Blacksmiths, forgemen, hammermen, and boilermakers	27	–	–	–	12	7	8	–	–	–	–	–	–	–	–
Carpenters	50	–	–	44	6	–	–	–	–	–	–	–	–	–	–
Construction craftsmen, except carpenters	378	–	–	148	101	21	25	42	14	9	–	18	–	–	–
Cranemen, derrickmen, and hoistmen	500	–	5	8	424	8	5	40	–	–	–	–	–	10	–
Foremen, *n.e.c*	330	–	–	2	184	63	22	4	9	–	6	4	–	28	8
Mechanics and repairmen	619	–	–	11	206	56	34	30	163	–	68	–	6	23	22
Automobile, including body	293	–	–	6	49	–	12	15	144	–	60	–	–	–	7
Machinists, job setters, and toolmakers	569	–	–	7	465	62	5	24	–	–	6	–	–	–	–
Metal craftsmen, except mechanics and machinists	586	–	–	–	586	–	–	–	–	–	–	–	–	–	–
Printing craftsmen	125	–	–	–	5	97	–	6	–	–	–	–	–	17	–
Other craftsmen and kindred workers	997	–	6	123	475	62	158	28	72	–	6	26	–	22	19
Operatives, except transport	**12 448**	**17**	**10**	**99**	**7 762**	**2 521**	**77**	**546**	**338**	**6**	**62**	**733**	**–**	**248**	**29**
Assemblers	1 217	–	–	5	1 124	27	–	43	–	–	6	–	–	12	–
Checkers, examiners, and inspectors; manufacturing	474	–	–	–	365	109	–	–	–	–	–	–	–	–	–
Precision machine operatives	820	–	–	–	804	4	–	12	–	–	–	–	–	–	–
Welders and flamecutters	1 179	–	–	33	1 049	6	17	65	5	–	4	–	–	–	–
Other operatives, except transport	8 758	17	10	61	4 420	2 375	60	426	333	6	52	733	–	236	29
Transport equipment operatives	**1 437**	**4**	**6**	**31**	**575**	**170**	**327**	**74**	**125**	**–**	**32**	**13**	**–**	**8**	**72**
Deliverymen and routemen	87	–	–	–	20	10	–	18	31	–	–	4	–	4	–
Truck drivers	613	–	6	14	270	61	116	46	21	–	4	4	–	4	67
Other transport equipment operatives	737	4	–	17	285	99	211	10	73	–	28	5	–	–	5
Laborers, except farm	**3 619**	**11**	**11**	**566**	**1 317**	**237**	**483**	**177**	**410**	**19**	**107**	**40**	**–**	**55**	**186**
Freight, stock, and material handlers	917	–	11	11	197	66	226	34	248	–	6	15	–	16	87
Farm workers	**341**	**341**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Service workers, except private household	**8 249**	**9**	**–**	**4**	**377**	**166**	**88**	**58**	**1 355**	**127**	**250**	**886**	**71**	**4 507**	**351**
Cleaning service workers	1 979	4	–	4	232	83	42	45	130	89	190	255	16	817	72
Food service workers	1 551	–	–	–	5	17	8	–	834	12	–	136	16	513	10
Personal service workers	618	5	–	–	12	11	22	5	36	–	–	235	18	246	28
Guards and watchmen	119	–	–	–	16	9	–	8	27	–	31	–	–	4	24
Other service workers, except private household workers	3 982	–	–	–	112	46	16	–	328	26	29	260	21	2 927	217
Private household workers	**1 060**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**1 060**	**–**	**–**	**–**

Table 182. Occupation of Employed Persons of Spanish Language by Major Industry: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State

	Persons of Spanish language, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing		Transportation, communications, and other public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Business and repair services	Personal services	Entertainment and recreation services	Professional and related services	Public administration
					Durable goods	Nondurable goods, including not specified manufacturing									
Total employed	**13 043**	**294**	**5**	**396**	**4 750**	**1 745**	**485**	**411**	**1 236**	**327**	**296**	**448**	**38**	**2 199**	**413**
Professional, technical, and kindred workers	**1 591**	**13**	**–**	**18**	**192**	**55**	**29**	**15**	**25**	**18**	**71**	**7**	**12**	**1 082**	**54**
Accountants	74	–	–	7	14	7	–	–	6	6	13	–	–	21	–
Engineers	127	–	–	7	67	–	8	–	–	–	15	–	–	30	–
Life and physical scientists	55	13	–	–	–	–	–	9	–	–	–	–	–	33	–
Health workers	291	–	–	–	–	–	–	–	13	–	–	–	–	278	–
Social scientists	5	–	–	–	5	–	–	–	–	–	–	–	–	–	–
Engineering and science technicians	119	–	–	4	48	14	8	–	6	–	7	–	–	32	–
Technicians, except health, and engineering and science	8	–	–	–	–	–	–	–	–	–	–	–	–	8	–
Writers, artists, and entertainers	81	–	–	–	7	14	13	–	–	–	13	7	12	15	–
Other professional, technical, and kindred workers	831	–	–	–	51	20	–	6	–	12	23	–	–	665	54
Managers and administrators, except farm	**523**	**7**	**–**	**51**	**82**	**39**	**22**	**32**	**174**	**22**	**12**	**35**	**–**	**30**	**17**
Buyers, purchasing agents, and sales managers	68	–	–	–	19	9	–	4	31	–	–	5	–	–	–
Other managers and administrators	455	7	–	51	63	30	22	28	143	22	12	30	–	30	17
Salaried	352	7	–	34	63	30	22	28	57	22	12	30	–	30	17
Self-employed	103	–	–	17	–	–	–	–	86	–	–	–	–	–	–
Sales workers	**532**	**–**	**–**	**–**	**27**	**23**	**27**	**76**	**293**	**58**	**–**	**8**	**–**	**20**	**–**
Clerical and kindred workers	**1 648**	**–**	**–**	**31**	**260**	**152**	**93**	**73**	**192**	**195**	**101**	**49**	**–**	**305**	**197**
Bookkeepers	100	–	–	–	7	20	9	13	12	23	7	9	–	–	–
Cashiers and receptionists	89	–	–	–	6	–	–	–	53	–	7	–	–	23	–
Office machine operators	107	–	–	–	20	–	–	–	7	47	8	–	–	22	3
Secretaries, stenographers, and typists	324	–	–	–	41	37	12	9	18	27	28	17	–	82	53
Shipping and stock clerks	152	–	–	–	75	18	–	29	23	–	–	–	–	–	7
Other clerical and kindred workers	876	–	–	31	111	77	72	22	79	98	51	23	–	178	134
Craftsmen and kindred workers	**1 689**	**22**	**–**	**221**	**856**	**210**	**132**	**31**	**92**	**–**	**46**	**5**	**7**	**46**	**21**
Blacksmiths, forgemen, hammermen, and boilermakers	5	–	–	–	–	–	–	–	–	–	–	–	–	5	–
Carpenters	30	–	–	17	13	–	–	–	–	–	–	–	–	–	–
Construction craftsmen, except carpenters	265	7	–	124	92	17	5	8	8	–	–	–	–	4	–
Cranemen, derrickmen, and hoistmen	35	–	–	–	35	–	–	–	–	–	–	–	–	–	–
Foremen, n.e.c	194	8	–	14	72	66	27	–	7	–	–	–	–	–	–
Mechanics and repairmen	298	7	–	6	131	27	24	5	38	–	38	–	–	8	14
Automobile, including body	114	–	–	–	31	7	24	–	32	–	20	–	–	–	–
Machinists, job setters, and toolmakers	233	–	–	–	227	–	–	–	–	–	–	–	–	6	–
Metal craftsmen, except mechanics and machinists	223	–	–	15	208	–	–	–	–	–	–	–	–	–	–
Printing craftsmen	68	–	–	–	–	59	–	–	–	–	–	–	–	9	–
Other craftsmen and kindred workers	338	–	–	45	78	41	76	18	39	–	8	5	7	14	7
Operatives, except transport	**3 987**	**–**	**–**	**13**	**2 593**	**1 041**	**21**	**133**	**70**	**–**	**16**	**46**	**–**	**40**	**14**
Assemblers	521	–	–	6	482	26	–	7	–	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	175	–	–	–	162	13	–	–	–	–	–	–	–	–	–
Precision machine operatives	394	–	–	–	382	8	–	–	–	–	4	–	–	–	–
Welders and flamecutters	297	–	–	–	268	5	4	20	–	–	–	–	–	–	–
Other operatives, except transport	2 600	–	–	7	1 299	989	17	106	70	–	12	46	–	40	14
Transport equipment operatives	**437**	**15**	**–**	**30**	**169**	**55**	**105**	**22**	**24**	**–**	**–**	**17**	**–**	**–**	**–**
Deliverymen and routemen	60	–	–	–	19	9	–	6	9	–	–	17	–	–	–
Truck drivers	180	15	–	30	33	6	74	7	15	–	–	–	–	–	–
Other transport equipment operatives	197	–	–	–	117	40	31	9	–	–	–	–	–	–	–
Laborers, except farm	**786**	**21**	**5**	**32**	**408**	**138**	**45**	**29**	**30**	**–**	**14**	**–**	**14**	**21**	**29**
Freight, stock, and material handlers	212	–	–	–	120	24	17	14	11	–	–	–	–	6	20
Farm workers	**216**	**216**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Service workers, except private household	**1 551**	**–**	**–**	**–**	**163**	**32**	**11**	**–**	**336**	**34**	**36**	**198**	**5**	**655**	**81**
Cleaning service workers	480	–	–	–	130	32	5	–	39	26	22	31	–	182	13
Food service workers	377	–	–	–	–	–	–	–	240	–	–	45	–	86	6
Personal service workers	177	–	–	–	–	–	–	–	7	–	–	101	5	56	8
Guards and watchmen	22	–	–	–	14	–	–	–	8	–	–	–	–	–	–
Other service workers, except private household workers	495	–	–	–	19	–	6	–	42	8	14	21	–	331	54
Private household workers	**83**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**83**	**–**	**–**	**–**

Table 183. Detailed Industry of the Experienced Civilian Labor Force and Employed Persons, by Sex: 1970 and 1960

[Data based on sample, see text. For meaning of symbols, see text]

The State

	1970						1960			
	Experienced civilian labor force				Employed		Experienced civilian labor force		Employed	
	16 years old and over		14 years old and over		14 years old and over		14 years old and over		14 years old and over	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	**1 106 835**	**662 413**	**1 123 978**	**669 537**	**1 085 629**	**641 185**	**1 050 295**	**474 729**	**1 011 324**	**457 307**
Agriculture, forestry, and fisheries	**97 035**	**15 841**	**96 290**	**15 434**	**94 995**	**15 101**	**146 323**	**25 100**	**144 179**	**24 841**
Agricultural production	87 801	13 551	91 267	14 230	90 327	13 965	135 174	23 316	133 277	23 081
Agricultural services, except horticultural	1 682	766	1 763	795	1 724	753	4 693	1 287	4 627	1 274
Horticultural services	1 554	152	1 608	155	1 417	139	4 668	331	4 603	328
Forestry	1 295	206	1 319	217	1 204	207	1 126	107	1 051	99
Fisheries	333	37	333	37	323	37	662	59	621	59
Agriculture, forestry, and fisheries – allocated	4 370	1 129	...	...	...	...	...	...	...	...
Mining	**2 963**	**244**	**2 865**	**230**	**2 648**	**202**	**2 893**	**96**	**2 728**	**96**
Metal mining	783	32	783	32	754	27	1 205	16	1 174	16
Coal mining	67	–	67	–	67	–	31	4	31	4
Crude petroleum and natural gas extractions	545	111	545	116	528	98	83	19	79	19
Nonmetallic mining and quarrying, except fuel	1 470	82	1 470	82	1 299	77	1 574	57	1 444	57
Mining – allocated	98	19	...	...	...	...	...	...	...	...
Construction	**91 718**	**5 021**	**85 806**	**4 810**	**75 506**	**4 568**	**77 902**	**2 815**	**69 013**	**2 704**
General building contractors	16 647	1 048	16 702	1 048	14 664	994	17 056	436	15 110	419
General contractors, except building	19 367	800	19 387	800	16 024	727	13 699	478	12 136	459
Special trade contractors	40 068	2 379	40 144	2 388	37 020	2 290	30 546	977	27 060	938
Not specified construction	9 568	569	9 573	574	7 798	557	16 601	924	14 707	888
Construction – allocated	6 068	225	...	...	...	...	...	...	...	...
Manufacturing	**409 355**	**141 300**	**398 679**	**135 192**	**387 861**	**124 794**	**395 779**	**109 436**	**381 762**	**102 034**
Durable goods	**278 909**	**81 707**	**267 818**	**78 210**	**260 249**	**71 966**	**260 929**	**57 290**	**250 938**	**53 334**
Lumber and wood products, except furniture	14 569	3 534	14 619	3 555	13 770	3 211	19 434	2 163	17 860	2 039
Logging	2 747	92	2 766	102	2 535	89	3 233	51	2 476	47
Sawmills, planing mills, and millwork	9 438	2 455	9 452	2 461	8 949	2 187	12 812	1 398	12 158	1 323
Miscellaneous wood products	2 384	987	2 401	992	2 286	935	3 389	714	3 226	669
Furniture and fixtures	5 525	2 883	5 525	2 883	5 350	2 626	6 912	2 041	6 642	1 848
Stone, clay, and glass products	7 132	2 046	7 158	2 051	6 695	1 923	5 750	1 053	5 387	994
Glass and glass products	575	461	581	461	542	421	332	115	306	103
Cement, concrete, gypsum, and plaster products	3 831	291	3 841	296	3 480	275	3 396	241	3 195	237
Structural clay products	134	32	134	32	134	32	302	37	257	37
Pottery and related products	1 062	595	1 062	595	1 051	578	270	210	261	197
Miscellaneous nonmetallic mineral and stone products	1 530	667	1 540	667	1 488	617	1 450	450	1 368	420
Metal industries	61 379	14 710	61 444	14 728	60 184	13 947	45 822	8 306	44 012	7 798
Primary metal industries	27 990	3 824	28 018	3 829	27 475	3 702	23 279	2 100	22 166	1 982
Blast furnaces, steelworks, rolling and finishing mills	1 831	254	1 831	254	1 795	244	1 195	131	1 111	126
Other primary iron and steel industries	19 831	2 068	19 854	2 068	19 493	2 018	17 693	1 416	16 876	1 332
Primary aluminum industries	2 882	893	2 887	898	2 825	859	1 185	22	1 128	21
Other primary nonferrous industries	3 446	609	3 446	609	3 362	581	3 206	531	3 051	503
Fabricated metal industries	33 389	10 886	33 426	10 899	32 709	10 245	22 543	6 206	21 846	5 816
Cutlery, handtools, and other hardware	2 582	1 970	2 582	1 970	2 549	1 889	1 442	914	1 430	887
Fabricated structural metal products	10 427	1 435	10 431	1 439	10 150	1 394	7 907	1 013	7 587	936
Screw-machine products	1 293	356	1 298	356	1 260	304	1 333	355	1 296	331
Metal stamping	5 917	3 713	5 924	3 718	5 789	3 459	2 560	1 451	2 489	1 353
Miscellaneous fabricated metal products	9 046	2 383	9 061	2 387	8 879	2 177	9 163	2 429	8 906	2 265
Not specified metal industries	4 124	1 029	4 130	1 029	4 082	1 022	138	44	138	44
Machinery, except electrical	93 946	18 390	94 040	18 410	91 702	17 482	78 292	13 315	75 062	12 301
Engines and turbines	15 591	5 404	15 595	5 410	15 185	5 220	3 593	847	3 512	782
Farm machinery and equipment	15 457	2 615	15 471	2 620	14 857	2 346	15 275	1 784	13 456	1 672
Construction and material-handling machines	16 745	2 178	16 745	2 178	16 470	2 107	8 765	1 223	8 567	1 130
Metalworking machinery	11 410	1 690	11 447	1 690	11 179	1 608	9 906	1 317	9 683	1 216
Office and accounting machines	720	234	720	234	703	224	608	137	605	109
Electronic computing equipment	897	593	897	593	871	516	81	9	80	7
Machinery, except electrical, n.e.c	32 023	5 459	32 062	5 468	31 378	5 258	27 639	6 022	27 014	5 560
Not specified machinery	1 103	217	1 103	217	1 059	203	12 425	1 976	12 145	1 825
Electrical machinery, equipment, and supplies	32 352	21 117	32 361	21 154	31 555	18 967	36 379	17 168	35 336	15 887
Household appliances	4 402	1 883	4 406	1 883	4 232	1 801	5 232	1 232	5 082	1 140
Radio, television, and communication equipment	3 818	3 253	3 818	3 260	3 709	2 724	9 810	4 371	9 529	4 045
Electrical machinery, equipment, and supplies, n.e.c	22 278	14 469	22 283	14 499	21 782	13 106	15 991	9 797	15 532	9 065
Not specified electrical machinery, equipment, and supplies	1 854	1 512	1 854	1 512	1 832	1 336	5 346	1 768	5 193	1 637
Transportation equipment	37 064	4 809	37 088	4 827	35 949	4 502	48 228	4 259	47 106	4 112
Motor vehicles and motor vehicle equipment	30 418	3 647	30 429	3 656	29 613	3 445	41 183	3 511	40 490	3 392
Aircraft and parts	473	76	473	76	449	69	1 328	304	1 169	296
Ship and boat building and repairing	2 153	352	2 162	352	2 084	332	3 650	233	3 525	225
Railroad locomotives and equipment	191	82	191	82	184	65	1 237	123	1 150	115
Mobile dwellings and campers	1 682	296	1 682	296	1 536	279	565	44	526	42
Cycles and miscellaneous transportation equipment	2 147	356	2 151	365	2 083	312	265	44	246	42
Professional and photographic equipment, and watches	5 097	3 215	5 105	3 220	4 998	2 890	7 007	3 199	6 898	3 014
Scientific and controlling instruments	3 127	1 630	3 131	1 630	3 090	1 514	2 767	948	2 727	910
Optical and health services supplies	1 358	886	1 362	886	1 311	812	1 786	1 205	1 760	1 157
Photographic equipment and supplies	333	253	333	253	322	229	173	97	169	97
Watches, clocks, and clockwork-operated devices	237	379	237	384	233	268	168	205	160	136
Not specified professional equipment	42	67	42	67	42	67	2 113	744	2 082	714
Ordnance	4 240	2 349	4 240	2 349	4 032	2 066	6 834	1 773	6 650	1 655
Miscellaneous manufacturing industries	6 208	5 033	6 238	5 033	6 014	4 352	6 271	4 013	5 985	3 686
Manufacturing, durable goods – allocated	11 397	3 621	...	...	...	...	...	...	...	...
Nondurable goods	**128 448**	**58 623**	**128 849**	**56 007**	**125 642**	**51 979**	**134 081**	**51 749**	**130 126**	**48 332**
Food and kindred products	41 053	12 415	41 174	12 452	39 856	11 000	52 240	14 400	50 280	13 086
Meat products	8 046	2 324	8 054	2 333	7 810	2 193	9 838	3 088	9 516	2 900
Dairy products	11 727	3 344	11 773	3 349	11 518	3 134	17 179	3 693	16 829	3 392
Canning and preserving fruits, vegetables, and seafoods	3 579	2 281	3 591	2 293	3 281	1 506	3 943	1 683	3 457	1 149
Grain-mill products	3 492	456	3 513	456	3 440	427	4 045	439	3 960	426
Bakery products	1 987	1 082	2 012	1 082	1 949	1 054	4 583	2 730	4 432	2 627
Confectionery and related products	748	454	748	459	720	403	578	803	559	710
Beverage industries	9 645	1 334	9 654	1 334	9 404	1 305	10 499	1 071	10 093	1 044
Miscellaneous food preparation and kindred products	944	582	944	582	900	503	1 155	671	1 054	656
Not specified food industries	885	558	885	564	834	475	420	222	380	182
Tobacco manufactures	113	10	113	10	113	10	264	214	256	197
Textile mill products	2 760	4 403	2 770	4 408	2 720	4 190	3 132	4 512	3 006	4 127
Knitting mills	717	2 781	727	2 786	722	2 656	1 265	3 437	1 206	3 126
Dyeing and finishing textiles, except wool and knit goods	262	265	262	265	262	256	59	25	59	25
Floor coverings, except hard surface	264	112	264	112	249	106	266	155	254	121
Yarn, thread, and fabric mills	1 086	1 028	1 086	1 028	1 066	973	784	655	771	627
Miscellaneous textile mill products	431	217	431	217	421	199	758	240	716	228
Apparel and other fabricated textile products	1 438	6 663	1 443	6 663	1 386	6 023	1 739	6 912	1 653	6 542
Apparel and accessories	1 136	5 830	1 141	5 830	1 088	5 302	1 214	5 950	1 140	5 602
Miscellaneous fabricated textile products	302	833	302	833	298	721	525	962	513	940

Table 183. **Detailed Industry of the Experienced Civilian Labor Force and Employed Persons, by Sex: 1970 and 1960**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State

	1970						1960			
	Experienced civilian labor force				Employed		Experienced civilian labor force		Employed	
	16 years old and over		14 years old and over		14 years old and over		14 years old and over		14 years old and over	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Manufacturing—Continued										
Nondurable goods—Continued										
Paper and allied products	34 777	7 250	34 797	7 254	34 377	7 006	30 737	5 553	30 305	5 357
Pulp, paper, and paperboard mills	23 148	3 412	23 159	3 416	22 895	3 337	22 934	3 083	22 678	2 996
Miscellaneous paper and pulp products	7 005	2 401	7 005	2 401	6 944	2 329	3 964	1 264	3 897	1 215
Paperboard containers and boxes	4 624	1 437	4 633	1 437	4 538	1 340	3 839	1 206	3 730	1 146
Printing, publishing, and allied industries	19 892	9 547	25 430	9 604	24 889	8 993	23 153	7 479	22 693	7 190
Newspaper publishing and printing	7 070	3 406	12 517	3 446	12 212	3 344	12 189	2 293	11 874	2 265
Printing, publishing, and allied industries, except newspapers	12 822	6 141	12 913	6 158	12 677	5 649	10 964	5 186	10 819	4 925
Chemicals and allied products	9 014	3 086	9 027	3 106	8 669	2 887	6 605	1 709	6 429	1 605
Industrial chemicals	609	201	613	201	613	172	717	77	693	71
Plastics, synthetics and resins, except fibers	1 158	311	1 162	325	1 138	282	287	92	277	84
Synthetic fibers	55	7	55	7	55	7	57	40	57	36
Drugs and medicines	796	517	796	517	764	501	666	356	661	352
Soaps and cosmetics	1 901	813	1 901	813	1 865	784	492	430	476	394
Paints, varnishes, and related products	682	203	682	203	652	188	1 213	207	1 197	203
Agricultural chemicals	492	98	492	98	465	98	362	21	350	19
Miscellaneous chemicals	2 161	660	2 166	660	1 985	584	449	56	434	52
Not specified chemicals and allied products	1 160	276	1 160	282	1 132	271	2 362	430	2 284	394
Petroleum and coal products	815	209	815	209	790	204	2 590	508	2 513	503
Petroleum refining	528	122	528	122	517	122	2 367	468	2 305	468
Miscellaneous petroleum and coal products	287	87	287	87	273	82	223	40	208	35
Rubber and miscellaneous plastic products	7 362	4 741	7 376	4 747	7 143	4 427	5 527	2 215	5 192	1 930
Rubber products	3 760	1 486	3 764	1 492	3 668	1 432	3 775	1 033	3 486	906
Miscellaneous plastic products	3 602	3 255	3 612	3 255	3 475	2 995	1 752	1 182	1 706	1 024
Leather and leather products	5 890	7 538	5 904	7 554	5 699	7 239	8 094	8 247	7 799	7 795
Tanned, curried, and finished leather	2 534	540	2 540	546	2 447	540	3 447	736	3 333	710
Footwear, except rubber	2 755	5 585	2 763	5 589	2 666	5 290	3 881	6 297	3 720	5 947
Leather products, except footwear	601	1 413	601	1 419	586	1 409	766	1 214	746	1 138
Manufacturing, nondurable goods—allocated	5 334	2 761	...	...	...	...	...	...	...	...
Not specified manufacturing industries	**1 998**	**970**	**2 012**	**975**	**1 970**	**849**	**769**	**397**	**698**	**368**
Transportation, communications, and other public utilities	**74 205**	**17 877**	**71 166**	**17 266**	**68 713**	**16 752**	**71 366**	**14 516**	**68 136**	**14 133**
Transportation	**42 750**	**5 784**	**42 913**	**5 806**	**40 899**	**5 543**	**47 690**	**3 506**	**44 740**	**3 370**
Railroads and railway express service	11 108	445	11 144	451	10 791	423	16 909	499	15 685	458
Street railways and bus lines	4 383	1 752	4 410	1 752	4 377	1 723	4 104	514	4 047	510
Taxicab service	1 126	251	1 130	256	1 071	244	1 291	219	1 231	212
Trucking service	20 337	1 862	20 391	1 866	19 390	1 797	18 689	1 268	18 028	1 211
Warehousing and storage	1 684	434	1 705	441	1 600	382	2 203	461	2 110	447
Water transportation	1 714	102	1 729	102	1 387	97	3 038	64	2 271	64
Air transportation	1 579	503	1 582	503	1 530	468	702	215	687	215
Pipelines, except natural gas	83	7	83	7	78	7	103	17	96	12
Services incidental to transportation	736	428	739	428	675	402	651	249	585	241
Communications	**10 106**	**8 736**	**10 126**	**8 740**	**9 991**	**8 519**	**7 402**	**8 590**	**7 326**	**8 390**
Radio broadcasting and television	1 989	627	2 000	627	1 972	585	1 401	470	1 373	455
Telephone (wire and radio)	7 882	7 847	7 891	7 851	7 807	7 676	5 708	7 900	5 671	7 719
Telegraph and miscellaneous communication services	235	262	235	262	212	258	293	220	282	216
Utilities and sanitary services	**18 081**	**2 709**	**18 127**	**2 720**	**17 823**	**2 690**	**16 274**	**2 420**	**16 070**	**2 373**
Electric light and power	8 238	1 427	8 243	1 431	8 172	1 416	7 336	1 365	7 268	1 338
Electric-gas utilities	1 633	374	1 633	374	1 608	369	3 002	550	2 975	538
Gas and steam supply systems	2 214	515	2 214	515	2 154	510	1 338	309	1 307	301
Water supply	1 604	223	1 604	223	1 586	218	1 351	93	1 347	93
Sanitary services	4 330	155	4 371	162	4 241	162	3 133	59	3 059	59
Other and not specified utilities	62	15	62	15	62	15	114	44	114	44
Transportation, communications, and other public utilities—allocated	**3 268**	**648**	...	...	...	...	...	...	...	...
Wholesale and retail trade	**192 744**	**159 417**	**187 171**	**150 730**	**181 638**	**144 265**	**157 547**	**108 508**	**153 271**	**104 782**
Wholesale trade	**47 019**	**14 078**	**45 768**	**13 586**	**44 790**	**13 056**	**33 395**	**8 010**	**32 488**	**7 633**
Motor vehicles and equipment	3 473	768	3 485	768	3 448	743	1 698	247	1 685	230
Drugs, chemicals, and allied products	1 517	533	1 522	533	1 518	513	1 039	297	1 039	284
Dry goods and apparel	364	244	364	244	338	244	393	183	384	159
Food and related products	9 179	3 116	9 237	3 123	9 017	2 907	6 675	1 918	6 481	1 832
Farm products—raw materials	1 882	425	1 895	425	1 842	402	2 169	370	2 088	354
Electrical goods	2 851	985	2 857	985	2 797	976	1 670	448	1 648	444
Hardware, plumbing, and heating supplies	1 760	560	1 760	565	1 734	555	1 281	348	1 265	345
Not specified electrical and hardware products	35	25	35	25	35	25	246	50	243	49
Machinery, equipment, and supplies	8 036	2 526	8 050	2 542	7 931	2 488	3 603	974	3 543	954
Metals and minerals, n.e.c	1 797	325	1 797	325	1 738	325	982	245	943	231
Petroleum products	3 418	738	3 432	738	3 392	718	3 645	615	3 591	601
Scrap and waste materials	1 856	274	1 866	274	1 775	257	1 613	77	1 549	73
Alcoholic beverages	1 757	329	1 763	329	1 726	324	1 332	296	1 279	280
Paper and its products	1 324	548	1 335	548	1 305	525	1 038	245	997	231
Lumber and construction materials	2 299	361	2 304	361	2 211	343	1 907	283	1 831	267
Wholesalers, n.e.c	3 424	1 503	3 428	1 503	3 367	1 413	2 988	926	2 868	875
Not specified wholesale trade	634	298	638	298	616	298	1 116	488	1 054	424
Wholesale trade—allocated	1 413	520	...	...	...	...	...	...	...	...
Retail trade	**145 725**	**145 339**	**141 403**	**137 144**	**136 848**	**131 209**	**124 152**	**100 498**	**120 783**	**97 149**
Lumber and building material retailing	7 262	1 634	7 302	1 644	7 026	1 575	8 826	1 642	8 508	1 596
Hardware and farm equipment stores	5 741	1 962	5 781	1 980	5 666	1 895	6 517	1 693	6 440	1 653
General merchandise stores	13 231	36 671	13 454	36 768	12 905	35 257	9 952	25 374	9 657	24 351
Department and mail-order establishments	9 212	25 786	9 275	25 854	8 832	24 732	6 301	15 571	6 117	14 971
Limited-price variety stores	1 186	4 424	1 229	4 442	1 192	4 241	1 198	5 818	1 156	5 549
Vending machine operators	981	300	981	300	977	300	323	58	313	55
Direct-selling establishments	915	3 637	1 018	3 648	974	3 516	671	1 627	654	1 564
Miscellaneous general merchandise stores	937	2 524	951	2 524	930	2 468	1 459	2 300	1 417	2 212
Food stores	23 130	21 902	23 743	22 091	23 057	21 365	22 077	17 465	21 475	17 015
Grocery stores	18 931	17 010	19 416	17 131	18 895	16 666	18 576	14 973	18 069	14 587
Dairy products stores	1 037	766	1 056	766	1 037	700	505	370	492	360
Retail bakeries	1 819	3 229	1 872	3 275	1 806	3 128	518	740	504	721
Food stores, n.e.c	1 343	897	1 399	919	1 319	871	2 478	1 382	2 410	1 347
Motor vehicle dealers	13 222	2 117	13 251	2 128	12 973	2 104	10 737	1 076	10 506	1 065
Tire, battery, and accessory dealers	1 856	339	1 877	339	1 851	334	2 228	383	2 180	379
Gasoline service stations	15 727	1 021	16 056	1 026	15 403	961	13 849	653	13 436	646

Table 183. Detailed Industry of the Experienced Civilian Labor Force and Employed Persons, by Sex: 1970 and 1960—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	1970						1960			
	Experienced civilian labor force				Employed		Experienced civilian labor force		Employed	
	16 years old and over		14 years old and over		14 years old and over		14 years old and over		14 years old and over	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Wholesale and retail trade—Continued										
Retail trade—Continued										
Miscellaneous vehicle dealers	1 151	276	1 156	276	1 131	272	720	96	704	95
Apparel and accessories stores, except shoe stores	3 450	8 704	3 501	8 721	3 380	8 356	3 149	7 793	3 055	7 576
Shoe stores	1 784	1 235	1 798	1 246	1 751	1 215	1 911	861	1 878	844
Furniture and home furnishings stores	4 028	1 761	4 059	1 761	3 936	1 713	4 126	1 447	4 050	1 412
Household appliances, television, and radio stores	4 007	1 442	4 039	1 464	3 964	1 432	3 913	1 134	3 812	1 099
Eating and drinking places	26 377	41 866	27 406	42 178	26 210	39 742	19 622	30 175	19 006	29 009
Drugstores	3 335	4 924	3 452	4 999	3 382	4 849	3 389	3 986	3 314	3 892
Liquor stores	1 523	591	1 539	591	1 517	591	1 152	436	1 105	419
Farm and garden supply stores	2 667	523	2 692	523	2 642	519	1 235	154	1 217	149
Jewelry stores	781	956	781	956	778	931	1 077	690	1 069	670
Fuel and ice dealers	1 726	402	1 726	402	1 675	383	2 771	434	2 649	431
Retail florists	893	1 095	917	1 115	891	1 105	710	774	673	762
Miscellaneous retail stores	5 057	4 989	5 163	5 031	5 057	4 788	4 928	2 876	4 854	2 797
Not specified retail trade	1 690	1 901	1 710	1 905	1 653	1 822	1 263	1 356	1 195	1 289
Retail trade—allocated	7 087	9 028	...	...	...	...	...	...	...	...
Finance, insurance, and real estate	**31 056**	**34 678**	**29 994**	**33 036**	**29 628**	**32 404**	**23 620**	**22 055**	**23 408**	**21 785**
Banking	5 618	11 554	5 625	11 561	5 583	11 463	4 102	6 858	4 081	6 786
Credit agencies	2 255	2 840	2 261	2 844	2 236	2 789	2 090	2 254	2 079	2 230
Security, commodity brokerage, and investment companies	1 714	1 243	1 714	1 243	1 689	1 211	796	452	784	441
Insurance	13 861	13 715	13 906	13 745	13 780	13 404	11 222	9 726	11 159	9 612
Real estate, including real estate–insurance–law offices	6 436	3 623	6 488	3 643	6 340	3 537	5 410	2 765	5 305	2 716
Finance, insurance, and real estate—allocated	1 172	1 703	...	...	...	...	...	...	...	...
Business and repair services	**27 871**	**11 049**	**26 604**	**10 473**	**25 840**	**9 911**	**23 908**	**6 177**	**23 298**	**5 912**
Business services	10 744	8 345	10 800	8 353	10 418	7 881	7 289	4 964	7 074	4 734
Advertising	1 649	965	1 665	965	1 618	904	1 639	761	1 589	719
Services to dwellings and other buildings	1 717	650	1 739	654	1 645	639	1 165	334	1 131	319
Commercial research, development, and testing labs	576	324	576	324	571	319	1 120	513	1 087	490
Employment and temporary help agencies	557	1 453	557	1 453	483	1 255	126	584	123	558
Business management and consulting services	1 278	1 409	1 278	1 413	1 255	1 348	478	429	465	410
Computer programing services	449	322	449	322	449	294	36	–	35	–
Detective and protective services	1 144	124	1 144	124	1 122	118	433	60	421	57
Business services, n.e.c	3 374	3 098	3 392	3 098	3 275	3 004	2 292	2 283	2 223	2 181
Repair services	15 597	2 101	15 804	2 120	15 422	2 030	16 619	1 213	16 224	1 178
Automobile services, except repair	2 135	548	2 267	567	2 125	519	1 726	283	1 678	272
Automobile repair and related services	7 776	440	7 829	440	7 716	421	8 445	387	8 210	370
Electrical repair shops	1 737	258	1 750	258	1 724	253	2 889	293	2 839	289
Miscellaneous repair services	3 949	855	3 958	855	3 857	837	3 559	250	3 497	247
Business and repair services—allocated	1 530	603	...	...	...	...	...	...	...	...
Personal services	**16 591**	**44 469**	**15 992**	**43 580**	**15 292**	**41 443**	**17 122**	**45 937**	**16 446**	**43 890**
Private households	1 417	15 723	1 722	18 307	1 534	17 315	2 457	25 904	2 221	24 745
Hotels and motels	4 150	7 196	4 198	7 233	3 955	6 656	4 093	5 683	3 807	5 317
Lodging places, except hotels and motels	796	1 379	813	1 448	722	1 348	585	1 221	547	1 144
Laundering, cleaning, and other garment services	3 192	6 637	3 281	6 659	3 192	6 385	3 668	6 541	3 592	6 233
Beauty shops	568	7 924	584	7 977	578	7 868	623	4 825	620	4 741
Barber shops	3 097	106	3 107	106	3 083	106	3 104	34	3 091	33
Shoe repair shops	354	51	365	51	349	51	709	90	705	90
Dressmaking shops	70	570	70	570	70	560	20	665	20	646
Miscellaneous personal services	1 842	1 198	1 852	1 229	1 809	1 154	1 863	974	1 843	941
Personal services—allocated	1 105	3 685	...	...	...	...	...	...	...	...
Entertainment and recreation services	**6 753**	**4 918**	**6 547**	**4 671**	**6 098**	**4 296**	**6 327**	**2 962**	**5 794**	**2 829**
Theaters and motion pictures	2 044	1 328	2 107	1 351	1 976	1 258	1 617	1 088	1 540	1 030
Bowling alleys, and billiard and pool parlors	1 212	940	1 258	940	1 234	912	2 541	507	2 390	491
Miscellaneous entertainment and recreation services	3 050	2 343	3 182	2 380	2 888	2 126	2 169	1 367	1 864	1 308
Entertainment and recreation services—allocated	447	307	...	...	...	...	...	...	...	...
Professional and related services	**108 771**	**207 504**	**105 200**	**197 644**	**104 118**	**194 211**	**61 788**	**106 000**	**61 083**	**104 554**
Health services	22 900	90 004	22 960	90 162	22 755	88 532	15 244	44 747	15 072	43 972
Offices of physicians	3 414	5 682	3 418	5 698	3 405	5 622	3 395	4 299	3 384	4 209
Offices of dentists	2 004	2 964	2 009	2 994	1 990	2 935	1 705	1 494	1 700	1 462
Offices of chiropractors	391	199	391	199	391	188	385	144	384	141
Hospitals	12 421	58 355	12 452	58 440	12 354	57 575	7 532	32 856	7 386	32 329
Convalescent institutions	2 149	18 744	2 159	18 755	2 108	18 230	790	3 239	787	3 172
Offices of health practitioners, n.e.c	494	408	504	418	504	413	484	256	483	251
Health services, n.e.c	2 027	3 652	2 027	3 658	2 003	3 569	953	2 459	948	2 408
Legal services	3 770	3 697	3 783	3 707	3 779	3 669	3 435	2 740	3 432	2 692
Educational services	57 512	86 893	57 803	87 232	57 303	85 915	27 018	45 876	26 752	45 525
Elementary and secondary schools	31 869	61 128	32 138	61 352	31 922	60 533	16 400	35 236	16 250	34 958
Government	25 908	45 963	26 095	46 087	25 955	45 408	14 929	27 780	14 800	27 543
Private	5 961	15 165	6 043	15 265	5 967	15 125	1 471	7 456	1 450	7 415
Colleges and universities	23 601	20 678	23 614	20 732	23 355	20 322	9 018	6 501	8 920	6 456
Government	18 531	14 594	18 540	14 625	18 355	14 367	5 452	3 045	5 405	3 019
Private	5 070	6 084	5 074	6 107	5 000	5 955	3 566	3 456	3 515	3 437
Libraries	510	2 443	510	2 492	502	2 462	300	1 298	297	1 288
Educational services, n.e.c	1 528	2 630	1 537	2 642	1 520	2 584	948	2 332	936	2 318
Not specified educational services	4	14	4	14	4	14	352	509	349	505
Museums, art galleries, and zoos	258	254	258	254	241	248	245	106	242	105
Religious organizations	6 558	4 540	6 642	4 565	6 620	4 511	6 533	4 185	6 483	4 093
Welfare services	2 503	4 112	2 534	4 132	2 479	4 012	1 383	2 556	1 362	2 511
Residential welfare facilities	268	498	268	498	264	485	408	1 413	404	1 382
Nonprofit membership organizations	3 165	2 969	3 225	2 980	3 105	2 862	2 560	2 447	2 472	2 384
Engineering and architectural services	3 672	663	3 677	663	3 575	648	2 293	379	2 237	364
Accounting, auditing, and bookkeeping services	2 631	2 400	2 631	2 405	2 602	2 326	1 622	1 009	1 606	1 001
Miscellaneous professional and related services	1 414	1 041	1 419	1 046	1 395	1 003	1 047	542	1 021	525
Professional and related services—allocated	4 120	10 433	...	...	...	...	...	...	...	...
Public administration	**47 587**	**19 055**	**46 574**	**18 297**	**45 263**	**17 794**	**37 541**	**13 505**	**36 055**	**13 311**
Postal service	10 659	2 795	10 659	2 801	10 567	2 725	9 345	1 411	9 131	1 391
Federal public administration	6 010	3 690	6 027	3 695	5 242	3 539	4 907	4 464	4 128	4 391
State public administration	7 901	4 341	7 905	4 351	7 766	4 244	5 349	2 624	5 231	2 593
Local public administration	21 956	7 423	21 983	7 450	21 688	7 286	17 940	5 006	17 565	4 936
Public administration—allocated	1 061	806	...	...	...	...	...	...	...	...
Unemployed persons, last worked 1959 or earlier[1]	**186**	**1 040**	...	...	...	...	...	...	...	...
Industry not reported[1]	...	...	**51 090**	**38 174**	**48 029**	**35 444**	**28 179**	**17 622**	**26 151**	**16 436**

[1]See text for explanation.

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	The State					
	Total		Negro		Persons of Spanish language	
	Male	Female	Male	Female	Male	Female
Total employed, 16 years old and over	**1 069 205**	**634 424**	**23 075**	**18 076**	**8 840**	**4 203**
Agriculture, forestry, and fisheries	**95 602**	**15 484**	**257**	**147**	**257**	**37**
Agricultural production	86 933	13 290	46	5	216	37
Agricultural services, except horticultural	1 643	724	–	4	–	–
Horticultural services	1 377	139	8	–	35	–
Forestry	1 180	196	3	6	6	–
Fisheries	323	37	–	–	–	–
Agriculture, forestry, and fisheries – allocated	4 146	1 098	200	132	–	–
Mining	**2 740**	**212**	**38**	**–**	**5**	**–**
Metal mining	754	27	11	–	–	–
Coal mining	67	–	–	–	–	–
Crude petroleum and natural gas extractions	528	98	–	–	–	–
Nonmetallic mining and quarrying, except fuel	1 299	77	27	–	5	–
Mining – allocated	92	10	–	–	–	–
Construction	**81 002**	**4 766**	**1 053**	**14**	**354**	**42**
General building contractors	14 609	994	96	4	64	9
General contractors, except building	16 004	727	178	5	59	–
Special trade contractors	36 966	2 281	194	5	145	–
Not specified construction	7 793	552	144	–	56	–
Construction – allocated	5 630	212	441	–	30	33
Manufacturing	**397 805**	**130 602**	**13 371**	**4 071**	**5 171**	**1 324**
Durable goods	**270 737**	**75 296**	**10 952**	**2 424**	**3 931**	**819**
Lumber and wood products, except furniture	13 729	3 190	30	5	32	27
Logging	2 520	79	4	–	–	–
Sawmills, planing mills, and millwork	8 935	2 181	10	–	25	27
Miscellaneous wood products	2 274	930	16	5	7	–
Furniture and fixtures	5 350	2 626	17	6	46	41
Stone, clay, and glass products	6 669	1 918	68	93	63	14
Glass and glass products	536	421	–	19	19	5
Cement, concrete, gypsum, and plaster products	3 470	270	46	–	27	–
Structural clay products	134	32	–	–	–	–
Pottery and related products	1 051	578	13	70	11	9
Miscellaneous nonmetallic mineral and stone products	1 478	617	9	4	6	–
Metal industries	60 119	13 929	3 457	346	1 624	126
Primary metal industries	27 447	3 697	2 680	96	1 232	49
Blast furnaces, steelworks, rolling and finishing mills	1 795	244	153	–	22	–
Other primary iron and steel industries	19 470	2 018	2 317	57	960	22
Primary aluminum industries	2 820	854	94	13	137	21
Other primary nonferrous industries	3 362	581	116	26	113	6
Fabricated metal industries	32 672	10 232	777	250	392	77
Cutlery, handtools, and other hardware	2 549	1 889	60	140	26	19
Fabricated structural metal products	10 146	1 390	322	14	126	12
Screw-machine products	1 255	304	9	–	16	–
Metal stamping	5 782	3 454	51	7	43	8
Miscellaneous fabricated metal products	8 864	2 173	317	84	156	26
Not specified metal industries	4 076	1 022	18	5	25	12
Machinery, except electrical	91 614	17 462	2 541	531	1 077	136
Engines and turbines	15 181	5 214	452	301	207	17
Farm machinery and equipment	14 843	2 341	578	111	273	28
Construction and material-handling machines	16 470	2 107	527	19	221	10
Metalworking machinery	11 142	1 608	154	9	57	18
Office and accounting machines	703	224	–	–	–	–
Electronic computing equipment	871	516	10	4	18	–
Machinery, except electrical, n.e.c.	31 345	5 249	768	87	295	54
Not specified machinery	1 059	203	52	–	6	9
Electrical machinery, equipment, and supplies	31 546	18 930	550	690	384	294
Household appliances	4 228	1 801	81	126	40	6
Radio, television, and communication equipment	3 709	2 717	41	51	75	62
Electrical machinery, equipment, and supplies, n.e.c.	21 777	13 076	418	502	247	221
Not specified electrical machinery, equipment, and supplies	1 832	1 336	10	11	22	5
Transportation equipment	35 925	4 484	2 512	334	467	29
Motor vehicles and motor vehicle equipment	29 602	3 436	2 353	299	408	21
Aircraft and parts	449	69	10	–	8	–
Ship and boat building and repairing	2 075	332	–	–	9	–
Railroad locomotives and equipment	184	65	26	3	17	–
Mobile dwellings and campers	1 536	279	6	–	–	8
Cycles and miscellaneous transportation equipment	2 079	303	117	32	25	–
Professional and photographic equipment, and watches	4 994	2 885	81	37	70	33
Scientific and controlling instruments	3 086	1 514	64	20	45	22
Optical and health services supplies	1 311	812	13	11	10	2
Photographic equipment and supplies	322	229	4	–	15	–
Watches, clocks, and clockwork-operated devices	233	263	–	6	–	9
Not specified professional equipment	42	67	–	–	–	–
Ordnance	4 032	2 066	11	–	27	60
Miscellaneous manufacturing industries	5 984	4 352	121	90	45	45
Manufacturing, durable goods – allocated	10 775	3 454	1 564	292	96	14
Nondurable goods	**125 112**	**54 457**	**2 340**	**1 615**	**1 216**	**494**
Food and kindred products	39 746	10 973	723	247	358	89
Meat products	7 802	2 184	271	52	100	9
Dairy products	11 477	3 129	23	11	27	18
Canning and preserving fruits, vegetables, and seafoods	3 275	1 499	9	8	76	15
Grain-mill products	3 419	427	38	9	11	–
Bakery products	1 924	1 054	52	48	50	7
Confectionery and related products	720	403	35	16	38	29
Beverage industries	9 395	1 305	254	43	38	11
Miscellaneous food preparation and kindred products	900	503	41	33	18	–
Not specified food industries	834	469	–	27	–	–
Tobacco manufactures	113	10	–	–	–	–
Textile mill products	2 710	4 185	56	129	55	72
Knitting mills	712	2 651	5	96	26	28
Dyeing and finishing textiles, except wool and knit goods	262	256	–	14	–	13
Floor coverings, except hard surface	249	106	26	–	23	14
Yarn, thread, and fabric mills	1 066	973	21	4	6	11
Miscellaneous textile mill products	421	199	4	15	–	6
Apparel and other fabricated textile products	1 381	6 023	25	203	17	88
Apparel and accessories	1 083	5 302	19	171	17	81
Miscellaneous fabricated textile products	298	721	6	32	–	7

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	The State					
	Total		Negro		Persons of Spanish language	
	Male	Female	Male	Female	Male	Female
Manufacturing—Continued						
Nondurable goods—Continued						
Paper and allied products	34 357	7 002	172	101	201	62
Pulp, paper, and paperboard mills	22 884	3 333	31	24	57	14
Miscellaneous paper and pulp products	6 944	2 329	8	13	52	29
Paperboard containers and boxes	4 529	1 340	133	64	92	19
Printing, publishing, and allied industries	19 456	8 936	253	193	106	49
Newspaper publishing and printing	6 870	3 304	95	55	18	4
Printing, publishing, and allied industries, except newspapers	12 586	5 632	158	138	88	45
Chemicals and allied products	8 660	2 867	163	108	133	19
Industrial chemicals	609	172	5	21	7	-
Plastics, synthetics and resins, except fibers	1 138	268	-	20	9	-
Synthetic fibers	55	7	-	-	-	-
Drugs and medicines	764	501	12	-	7	7
Soaps and cosmetics	1 865	784	87	40	47	-
Paints, varnishes, and related products	652	188	18	18	7	-
Agricultural chemicals	465	98	-	-	-	-
Miscellaneous chemicals	1 980	584	6	5	47	-
Not specified chemicals and allied products	1 132	265	35	4	9	12
Petroleum and coal products	790	204	-	5	-	-
Petroleum refining	517	122	-	-	-	-
Miscellaneous petroleum and coal products	273	82	-	5	-	-
Rubber and miscellaneous plastic products	7 129	4 421	17	117	48	40
Rubber products	3 664	1 426	-	35	21	8
Miscellaneous plastic products	3 465	2 995	17	82	27	32
Leather and leather products	5 685	7 223	533	196	259	72
Tanned, curried, and finished leather	2 441	534	486	77	198	34
Footwear, except rubber	2 658	5 286	37	119	38	34
Leather products, except footwear	586	1 403	10	-	23	4
Manufacturing, nondurable goods—allocated	5 085	2 613	398	316	39	3
Not specified manufacturing industries	**1 956**	**849**	**79**	**32**	**24**	**11**
Transportation, communications, and other public utilities	**71 554**	**17 331**	**1 260**	**503**	**394**	**91**
Transportation	**40 748**	**5 521**	**556**	**75**	**245**	**40**
Railroads and railway express service	10 755	417	144	5	77	-
Street railways and bus lines	4 350	1 723	97	10	19	6
Taxicab service	1 067	239	52	11	15	-
Trucking service	19 348	1 793	162	32	106	18
Warehousing and storage	1 579	375	9	9	-	-
Water transportation	1 372	97	53	-	6	-
Air transportation	1 527	468	20	4	16	9
Pipelines, except natural gas	78	7	-	-	-	-
Services incidental to transportation	672	402	19	4	6	7
Communications	**9 971**	**8 515**	**115**	**329**	**58**	**51**
Radio broadcasting and television	1 961	585	16	5	18	-
Telephone (wire and radio)	7 798	7 672	86	308	40	51
Telegraph and miscellaneous communication services	212	258	13	16	-	-
Utilities and sanitary services	**17 777**	**2 679**	**321**	**75**	**61**	-
Electric light and power	8 167	1 412	57	39	21	-
Electric-gas utilities	1 608	369	14	11	6	-
Gas and steam supply systems	2 154	510	9	25	15	-
Water supply	1 586	218	33	-	-	-
Sanitary services	4 200	155	208	-	19	-
Other and not specified utilities	62	15	-	-	-	-
Transportation, communications, and other public utilities—allocated	**3 058**	**616**	**268**	**24**	**30**	-
Wholesale and retail trade	**186 894**	**152 588**	**2 993**	**2 096**	**990**	**657**
Wholesale trade	**46 006**	**13 520**	**957**	**313**	**347**	**64**
Motor vehicles and equipment	3 436	743	97	11	23	-
Drugs, chemicals, and allied products	1 513	513	19	13	15	-
Dry goods and apparel	338	244	3	23	-	4
Food and related products	8 964	2 900	118	50	52	9
Farm products—raw materials	1 829	402	-	-	4	-
Electrical goods	2 791	976	21	22	21	6
Hardware, plumbing, and heating supplies	1 734	550	3	10	22	6
Not specified electrical and hardware products	35	25	-	-	-	-
Machinery, equipment, and supplies	7 917	2 472	140	34	106	29
Metals and minerals, n.e.c	1 738	325	212	-	14	-
Petroleum products	3 378	718	55	25	17	-
Scrap and waste materials	1 765	257	146	51	24	6
Alcoholic beverages	1 720	324	9	10	8	-
Paper and its products	1 294	525	25	14	-	-
Lumber and construction materials	2 206	343	5	4	9	-
Wholesalers, n.e.c	3 363	1 413	10	10	14	4
Not specified wholesale trade	612	298	14	6	-	-
Wholesale trade—allocated	1 373	492	80	30	18	-
Retail trade	**140 888**	**139 068**	**2 036**	**1 783**	**643**	**593**
Lumber and building material retailing	7 002	1 565	31	-	16	6
Hardware and farm equipment stores	5 626	1 877	6	-	11	-
General merchandise stores	12 688	35 171	194	510	77	208
Department and mail-order establishments	8 769	24 675	167	420	59	166
Limited-price variety stores	1 149	4 223	10	57	-	13
Vending machine operators	977	300	-	4	-	-
Direct-selling establishments	877	3 505	11	24	18	21
Miscellaneous general merchandise stores	916	2 468	6	5	-	8
Food stores	22 450	21 176	277	176	141	48
Grocery stores	18 410	16 545	225	130	129	21
Dairy products stores	1 018	700	-	6	6	6
Retail bakeries	1 753	3 082	35	40	-	21
Food stores, n.e.c	1 269	849	17	-	6	-
Motor vehicle dealers	12 944	2 098	215	4	70	6
Tire, battery, and accessory dealers	1 830	334	50	9	-	-
Gasoline service stations	15 084	956	119	6	36	5

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	The State					
	Total		Negro		Persons of Spanish language	
	Male	Female	Male	Female	Male	Female
Wholesale and retail trade — Continued						
Retail trade — Continued						
Miscellaneous vehicle dealers	1 126	272	–	–	7	–
Apparel and accessories stores, except shoe stores	3 329	8 339	99	127	12	12
Shoe stores	1 742	1 204	26	5	13	–
Furniture and home furnishings stores	3 908	1 713	44	34	26	7
Household appliances, television, and radio stores	3 932	1 410	29	33	18	12
Eating and drinking places	25 272	39 452	466	421	122	122
Drugstores	3 271	4 778	24	50	13	13
Liquor stores	1 501	591	12	5	12	7
Farm and garden supply stores	2 617	519	–	–	–	–
Jewelry stores	778	931	–	–	4	–
Fuel and ice dealers	1 675	383	12	–	8	–
Retail florists	867	1 085	–	–	–	–
Miscellaneous retail stores	4 951	4 746	46	70	29	46
Not specified retail trade	1 633	1 818	2	18	–	13
Retail trade – allocated	6 662	8 650	384	315	28	88
Finance, insurance, and real estate	**30 634**	**34 003**	**299**	**669**	**120**	**207**
Banking	5 576	11 456	34	206	25	81
Credit agencies	2 230	2 785	11	12	8	7
Security, commodity brokerage, and investment companies	1 689	1 211	9	11	18	20
Insurance	13 735	13 378	118	299	50	76
Real estate, including real estate – insurance – law offices	6 288	3 517	102	80	11	15
Finance, insurance, and real estate – allocated	1 116	1 656	25	61	8	8
Business and repair services	**27 026**	**10 459**	**444**	**297**	**210**	**86**
Business services	10 367	7 873	214	230	125	72
Advertising	1 602	904	3	10	–	–
Services to dwellings and other buildings	1 623	635	75	96	9	13
Commercial research, development, and testing labs	571	319	–	–	15	6
Employment and temporary help agencies	483	1 255	34	62	62	13
Business management and consulting services	1 255	1 344	17	13	6	7
Computer programing services	449	294	4	13	7	8
Detective and protective services	1 122	118	36	4	7	–
Business services, n.e.c	3 262	3 004	45	32	19	25
Repair services	15 220	2 016	186	26	67	4
Automobile services, except repair	1 998	505	90	13	20	–
Automobile repair and related services	7 663	421	72	–	20	–
Electrical repair shops	1 711	253	–	–	10	–
Miscellaneous repair services	3 848	837	24	13	17	4
Business and repair services – allocated	1 439	570	44	41	18	10
Personal services	**15 874**	**42 229**	**574**	**2 431**	**165**	**283**
Private households	1 286	14 835	46	835	11	63
Hotels and motels	3 907	6 619	118	313	67	57
Lodging places, except hotels and motels	712	1 279	5	25	–	15
Laundering, cleaning, and other garment services	3 103	6 368	140	531	48	32
Beauty shops	562	7 815	–	112	5	74
Barber shops	3 073	106	78	8	26	–
Shoe repair shops	338	51	4	4	–	–
Dressmaking shops	70	560	–	16	–	5
Miscellaneous personal services	1 799	1 128	12	22	–	–
Personal services – allocated	1 024	3 468	171	565	8	37
Entertainment and recreation services	**6 337**	**4 522**	**109**	**19**	**38**	**–**
Theaters and motion pictures	1 923	1 235	38	–	5	–
Bowling alleys, and billiard and pool parlors	1 188	912	4	–	–	–
Miscellaneous entertainment and recreation services	2 784	2 089	39	13	33	–
Entertainment and recreation services – allocated	442	286	28	6	–	–
Professional and related services	**107 486**	**203 704**	**1 782**	**7 185**	**894**	**1 305**
Health services	22 695	88 384	547	3 740	231	603
Offices of physicians	3 401	5 606	17	40	61	17
Offices of dentists	1 985	2 905	–	15	6	–
Offices of chiropractors	391	188	–	–	15	–
Hospitals	12 323	57 496	445	2 528	119	432
Convalescent institutions	2 098	18 223	49	1 069	–	117
Offices of health practitioners, n.e.c	494	403	–	–	–	–
Health services, n.e.c	2 003	3 563	36	88	30	37
Legal services	3 766	3 659	16	10	8	15
Educational services	57 026	85 605	728	2 023	478	511
Elementary and secondary schools	31 667	60 326	412	1 407	124	307
Government	25 782	45 301	348	1 150	98	217
Private	5 885	15 025	64	257	26	90
Colleges and universities	23 342	20 273	279	499	310	163
Government	18 346	14 341	201	208	266	92
Private	4 996	5 932	78	291	44	71
Libraries	502	2 413	–	51	7	16
Educational services, n.e.c	1 511	2 579	37	66	37	25
Not specified educational services	4	14	–	–	–	–
Museums, art galleries, and zoos	241	248	6	–	–	–
Religious organizations	6 536	4 486	54	68	10	13
Welfare services	2 454	3 992	174	334	45	62
Residential welfare facilities	264	485	21	28	–	–
Nonprofit membership organizations	3 045	2 851	54	67	7	27
Engineering and architectural services	3 570	648	18	10	27	–
Accounting, auditing, and bookkeeping services	2 602	2 321	5	6	27	–
Miscellaneous professional and related services	1 390	998	19	26	13	15
Professional and related services – allocated	3 897	10 027	140	873	48	59
Public administration	**46 251**	**18 524**	**895**	**644**	**242**	**171**
Postal service	10 567	2 719	329	220	82	30
Federal public administration	5 225	3 534	101	139	35	88
State public administration	7 762	4 234	81	70	53	28
Local public administration	21 671	7 259	282	115	67	25
Public administration – allocated	1 026	778	102	100	5	–

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Standard metropolitan statistical areas							
	Appleton–Oshkosh		Duluth–Superior, Minn.–Wis.		Madison		Milwaukee	
	Male	Female	Male	Female	Male	Female	Male	Female
Total employed, 16 years old and over	**66 701**	**37 734**	**58 735**	**32 616**	**71 561**	**51 687**	**350 502**	**222 988**
Agriculture, forestry, and fisheries	**4 872**	**928**	**913**	**226**	**4 218**	**788**	**5 017**	**1 262**
Agricultural production	4 509	854	640	126	3 528	575	3 463	728
Agricultural services, except horticultural	93	30	28	11	222	100	169	147
Horticultural services	63	5	59	–	110	11	473	46
Forestry	11	–	113	50	115	22	308	74
Fisheries	5	–	20	12	24	–	15	–
Agriculture, forestry, and fisheries—allocated	191	39	53	27	219	80	589	267
Mining	**127**	**15**	**8 862**	**194**	**110**	**29**	**581**	**61**
Metal mining	5	5	8 486	185	–	–	49	–
Coal mining	–	–	47	–	–	–	9	–
Crude petroleum and natural gas extractions	19	10	98	4	27	14	126	27
Nonmetallic mining and quarrying, except fuel	98	–	59	5	75	5	353	34
Mining—allocated	5	–	172	–	8	10	44	–
Construction	**5 061**	**416**	**4 818**	**280**	**5 808**	**411**	**23 118**	**1 650**
General building contractors	1 156	128	688	40	1 329	98	3 583	355
General contractors, except building	696	49	1 309	83	981	74	3 343	208
Special trade contractors	2 452	149	1 937	134	2 726	190	12 207	860
Not specified construction	537	62	609	15	443	25	1 562	165
Construction—allocated	220	28	275	8	329	24	2 423	62
Manufacturing	**29 242**	**8 529**	**9 900**	**3 039**	**11 924**	**3 983**	**151 305**	**50 034**
Durable goods	**13 283**	**3 329**	**6 362**	**634**	**5 788**	**1 736**	**117 792**	**32 954**
Lumber and wood products, except furniture	1 017	412	885	57	67	14	621	157
Logging	21	9	345	–	–	–	19	–
Sawmills, planing mills, and millwork	892	381	206	8	63	14	347	87
Miscellaneous wood products	104	22	334	49	4	–	255	70
Furniture and fixtures	431	126	40	12	315	206	758	300
Stone, clay, and glass products	302	33	295	15	372	207	1 693	518
Glass and glass products	–	4	–	–	5	–	122	9
Cement, concrete, gypsum, and plaster products	272	25	246	11	199	27	1 005	88
Structural clay products	6	–	4	–	11	5	33	11
Pottery and related products	4	4	11	–	130	163	227	226
Miscellaneous nonmetallic mineral and stone products	20	–	34	4	27	12	306	184
Metal industries	3 415	801	3 390	124	844	224	27 954	6 219
Primary metal industries	2 249	290	2 362	74	470	96	14 882	1 723
Blast furnaces, steelworks, rolling and finishing mills	–	–	1 744	51	30	–	1 256	183
Other primary iron and steel industries	1 896	213	564	13	37	16	11 420	1 193
Primary aluminum industries	38	30	19	10	334	47	865	135
Other primary nonferrous industries	315	47	35	–	69	33	1 341	212
Fabricated metal industries	1 166	511	1 028	50	374	128	13 072	4 496
Cutlery, handtools, and other hardware	103	46	510	36	18	4	1 195	1 303
Fabricated structural metal products	245	26	329	9	212	69	4 406	491
Screw–machine products	–	–	5	5	11	12	630	120
Metal stamping	224	245	21	–	35	14	2 424	1 362
Miscellaneous fabricated metal products	337	88	142	–	71	15	3 694	1 035
Not specified metal industries	257	106	21	–	27	14	723	185
Machinery, except electrical	4 687	845	992	106	2 063	263	43 574	9 181
Engines and turbines	844	365	4	–	22	–	9 368	3 831
Farm machinery and equipment	1 167	153	17	–	204	22	4 862	929
Construction and material–handling machines	448	37	638	41	245	8	10 574	1 551
Metalworking machinery	477	57	35	9	1 011	52	4 793	644
Office and accounting machines	33	–	50	20	43	26	198	20
Electronic computing equipment	27	–	22	15	25	5	174	55
Machinery, except electrical, n.e.c.	1 653	224	211	21	498	150	12 864	1 990
Not specified machinery	38	9	15	–	15	–	741	161
Electrical machinery, equipment, and supplies	1 073	360	164	176	852	479	20 618	10 345
Household appliances	50	18	–	–	106	21	1 442	841
Radio, television, and communication equipment	47	37	48	13	47	16	2 622	1 422
Electrical machinery, equipment, and supplies, n.e.c.	957	284	54	48	641	411	15 217	7 366
Not specified electrical machinery, equipment, and supplies	19	21	62	115	58	31	1 337	716
Transportation equipment	1 568	138	282	45	339	49	12 115	1 667
Motor vehicles and motor vehicle equipment	1 417	133	31	6	255	36	10 185	1 375
Aircraft and parts	46	–	3	27	9	5	85	8
Ship and boat building and repairing	33	–	219	12	21	4	164	37
Railroad locomotives and equipment	–	–	18	–	–	4	55	17
Mobile dwellings and campers	16	–	6	–	48	–	129	58
Cycles and miscellaneous transportation equipment	56	5	5	–	6	–	1 497	172
Professional and photographic equipment, and watches	77	48	37	–	414	151	2 650	1 341
Scientific and controlling instruments	36	–	4	–	56	–	2 211	1 047
Optical and health services supplies	23	43	33	–	336	134	277	157
Photographic equipment and supplies	18	5	–	–	12	–	127	99
Watches, clocks, and clockwork–operated devices	–	–	–	–	5	–	11	5
Not specified professional equipment	–	–	–	–	5	17	24	33
Ordnance	–	–	–	–	99	12	453	587
Miscellaneous manufacturing industries	272	436	145	63	125	54	1 855	1 130
Manufacturing, durable goods—allocated	441	130	132	36	298	77	5 501	1 509
Nondurable goods	**15 855**	**5 161**	**3 514**	**2 383**	**6 082**	**2 210**	**32 659**	**16 729**
Food and kindred products	1 783	417	1 372	487	3 616	1 131	11 677	3 119
Meat products	162	35	220	70	2 321	656	1 516	483
Dairy products	755	184	172	35	371	71	1 056	229
Canning and preserving fruits, vegetables, and seafoods	240	68	276	117	133	36	295	168
Grain–mill products	84	18	94	4	199	23	309	91
Bakery products	108	65	161	75	149	74	918	550
Confectionery and related products	14	8	–	–	33	38	427	248
Beverage industries	292	16	152	5	221	84	6 601	971
Miscellaneous food preparation and kindred products	61	8	176	99	139	96	231	144
Not specified food industries	67	15	121	82	50	53	324	235
Tobacco manufactures	8	–	6	–	14	5	40	5
Textile mill products	382	896	75	118	189	33	793	1 214
Knitting mills	138	745	46	57	–	5	203	681
Dyeing and finishing textiles, except wool and knit goods	–	–	–	–	4	–	223	251
Floor coverings, except hard surface	16	–	–	–	–	–	168	24
Yarn, thread, and fabric mills	166	115	24	56	16	17	150	215
Miscellaneous textile mill products	62	36	5	5	169	11	49	43
Apparel and other fabricated textile products	82	324	140	1 097	31	32	444	1 925
Apparel and accessories	67	290	130	1 079	21	16	359	1 670
Miscellaneous fabricated textile products	15	34	10	18	10	16	85	255

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Standard metropolitan statistical areas							
	Appleton-Oshkosh		Duluth-Superior, Minn.-Wis.		Madison		Milwaukee	
	Male	Female	Male	Female	Male	Female	Male	Female
Manufacturing—Continued								
Nondurable goods—Continued								
Paper and allied products	10 525	2 415	309	33	126	39	2 867	1 136
Pulp, paper, and paperboard mills	6 693	1 295	281	33	24	6	461	136
Miscellaneous paper and pulp products	2 981	971	24	–	16	9	709	412
Paperboard containers and boxes	851	149	4	–	86	24	1 697	588
Printing, publishing, and allied industries	2 182	712	893	463	1 204	624	8 402	3 446
Newspaper publishing and printing	572	251	534	175	495	318	2 622	1 018
Printing, publishing, and allied industries, except newspapers	1 610	461	359	288	709	306	5 780	2 428
Chemicals and allied products	201	34	282	15	378	149	2 667	1 171
Industrial chemicals	20	–	66	–	5	–	387	133
Plastics, synthetics and resins, except fibers	33	9	7	–	28	4	284	110
Synthetic fibers	5	–	4	–	–	–	17	–
Drugs and medicines	18	5	35	–	77	24	389	315
Soaps and cosmetics	18	9	7	–	20	25	320	324
Paints, varnishes, and related products	17	–	–	–	46	30	451	124
Agricultural chemicals	–	–	4	–	106	36	84	38
Miscellaneous chemicals	37	6	151	15	65	30	466	70
Not specified chemicals and allied products	53	5	8	–	31	–	269	57
Petroleum and coal products	34	18	221	20	17	–	282	120
Petroleum refining	34	14	207	20	17	–	142	64
Miscellaneous petroleum and coal products	–	4	14	–	–	–	140	56
Rubber and miscellaneous plastic products	129	62	15	16	149	72	1 190	1 271
Rubber products	57	25	9	16	37	24	297	195
Miscellaneous plastic products	72	37	6	–	112	48	893	1 076
Leather and leather products	82	132	–	–	30	52	2 399	2 201
Tanned, curried, and finished leather	28	29	–	–	5	–	1 365	366
Footwear, except rubber	49	98	–	–	15	41	737	1 108
Leather products, except footwear	5	5	–	–	10	11	297	727
Manufacturing, nondurable goods—allocated	447	151	201	134	328	73	1 898	1 121
Not specified manufacturing industries	**104**	**39**	**24**	**22**	**54**	**37**	**854**	**351**
Transportation, communications, and other public utilities	**3 419**	**1 177**	**8 289**	**940**	**4 346**	**1 416**	**25 431**	**6 586**
Transportation	**1 690**	**290**	**5 782**	**294**	**1 825**	**323**	**14 294**	**2 129**
Railroads and railway express service	324	11	3 391	88	218	34	3 294	216
Street railways and bus lines	175	63	408	65	324	90	1 849	451
Taxicab service	70	16	78	14	168	16	470	82
Trucking service	867	100	628	36	852	85	6 836	713
Warehousing and storage	81	13	126	15	80	10	537	206
Water transportation	16	–	970	22	27	3	351	19
Air transportation	117	62	94	14	140	38	611	267
Pipelines, except natural gas	–	–	45	7	6	–	3	–
Services incidental to transportation	40	25	42	33	10	47	343	175
Communications	**561**	**760**	**716**	**407**	**1 314**	**914**	**3 275**	**3 090**
Radio broadcasting and television	111	31	177	48	328	78	592	126
Telephone (wire and radio)	450	702	502	342	974	810	2 624	2 880
Telegraph and miscellaneous communication services	–	27	37	17	12	26	59	84
Utilities and sanitary services	**1 051**	**114**	**1 559**	**225**	**980**	**130**	**6 446**	**1 133**
Electric light and power	347	48	884	152	318	68	2 722	615
Electric-gas utilities	248	40	126	43	309	38	193	89
Gas and steam supply systems	76	9	162	13	61	–	984	291
Water supply	89	4	88	6	94	18	621	77
Sanitary services	286	13	288	5	198	6	1 911	51
Other and not specified utilities	5	–	11	6	–	–	15	10
Transportation, communications, and other public utilities—allocated	**117**	**13**	**232**	**14**	**227**	**49**	**1 416**	**234**
Wholesale and retail trade	**11 111**	**9 062**	**11 232**	**8 528**	**14 278**	**10 239**	**62 931**	**56 391**
Wholesale trade	**2 763**	**715**	**3 054**	**587**	**3 210**	**992**	**19 376**	**6 565**
Motor vehicles and equipment	175	22	188	29	202	20	1 700	437
Drugs, chemicals, and allied products	119	8	124	28	153	63	821	305
Dry goods and apparel	10	11	30	6	34	4	196	142
Food and related products	602	182	636	130	647	167	3 073	1 001
Farm products—raw materials	72	6	175	10	106	58	263	40
Electrical goods	123	33	66	14	179	37	1 796	693
Hardware, plumbing, and heating supplies	120	12	49	5	213	92	719	251
Not specified electrical and hardware products	9	–	7	–	–	–	11	8
Machinery, equipment, and supplies	395	83	639	156	625	214	4 121	1 464
Metals and minerals, n.e.c	37	5	153	17	16	–	1 187	242
Petroleum products	195	59	208	49	132	51	766	251
Scrap and waste materials	96	5	204	16	37	19	518	127
Alcoholic beverages	113	19	118	5	141	35	444	75
Paper and its products	303	151	62	15	85	8	573	270
Lumber and construction materials	186	33	144	18	181	21	854	141
Wholesalers, n.e.c	97	53	165	58	345	144	1 464	773
Not specified wholesale trade	55	18	18	11	34	27	221	93
Wholesale trade—allocated	56	15	68	20	80	32	649	252
Retail trade	**8 348**	**8 347**	**8 178**	**7 941**	**11 068**	**9 247**	**43 555**	**49 826**
Lumber and building material retailing	467	72	403	75	413	126	1 248	362
Hardware and farm equipment stores	309	107	152	145	390	150	781	303
General merchandise stores	789	2 125	705	1 607	870	2 125	5 209	16 085
Department and mail-order establishments	582	1 587	484	1 088	595	1 525	3 926	12 703
Limited-price variety stores	59	186	89	207	97	223	423	1 528
Vending machine operators	104	46	24	5	41	29	433	139
Direct-selling establishments	40	140	44	184	65	198	261	1 043
Miscellaneous general merchandise stores	4	166	64	123	72	150	166	672
Food stores	1 279	1 187	1 295	1 135	1 483	1 140	7 521	7 548
Grocery stores	1 006	901	1 054	823	1 337	896	6 242	5 665
Dairy products stores	93	20	89	82	21	47	239	239
Retail bakeries	121	210	96	191	75	165	580	1 282
Food stores, n.e.c	59	56	56	39	50	32	460	362
Motor vehicle dealers	982	117	613	86	948	132	3 693	802
Tire, battery, and accessory dealers	109	5	274	37	207	28	583	142
Gasoline service stations	830	66	1 068	96	1 115	57	3 761	199

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

	Standard metropolitan statistical areas							
	Appleton–Oshkosh		Duluth–Superior, Minn.–Wis.		Madison		Milwaukee	
	Male	Female	Male	Female	Male	Female	Male	Female
Wholesale and retail trade—Continued								
Retail trade—Continued								
Miscellaneous vehicle dealers	85	21	102	52	83	32	237	56
Apparel and accessories stores, except shoe stores	104	459	293	711	313	618	1 274	3 107
Shoe stores	119	107	36	32	208	211	657	376
Furniture and home furnishings stores	214	109	257	101	261	107	1 395	779
Household appliances, television, and radio stores	287	87	236	95	350	96	1 352	576
Eating and drinking places	1 495	2 646	1 367	2 241	2 313	2 341	8 240	10 779
Drugstores	151	283	205	339	404	547	1 048	1 579
Liquor stores	136	36	122	70	138	48	499	156
Farm and garden supply stores	113	23	22	11	130	34	207	134
Jewelry stores	34	72	85	229	62	82	266	252
Fuel and ice dealers	67	14	148	34	74	21	477	99
Retail florists	42	34	36	61	21	55	339	470
Miscellaneous retail stores	301	285	318	230	552	461	1 875	1 826
Not specified retail trade	105	60	133	173	197	124	369	533
Retail trade—allocated	330	432	308	381	536	712	2 524	3 663
Finance, insurance, and real estate	**1 810**	**1 928**	**1 583**	**1 418**	**3 197**	**3 530**	**12 831**	**15 733**
Banking	348	666	364	595	451	858	2 100	4 591
Credit agencies	109	100	115	118	157	323	923	1 149
Security, commodity brokerage, and investment companies	99	20	137	45	144	89	1 037	924
Insurance	969	906	600	412	1 709	1 759	5 497	6 484
Real estate, including real estate—insurance—law offices	260	184	300	209	635	359	2 697	1 698
Finance, insurance, and real estate—allocated	25	52	67	39	101	142	577	887
Business and repair services	**1 483**	**546**	**1 440**	**442**	**2 188**	**881**	**10 674**	**4 905**
Business services	643	425	424	274	1 018	714	5 476	3 990
Advertising	56	23	38	18	137	80	1 000	565
Services to dwellings and other buildings	106	72	107	4	145	34	791	303
Commercial research, development, and testing labs	78	17	44	6	129	107	155	55
Employment and temporary help agencies	–	41	21	59	42	79	369	876
Business management and consulting services	66	65	28	52	173	106	617	531
Computer programing services	37	11	19	–	124	39	170	136
Detective and protective services	82	–	31	–	57	8	734	86
Business services, n.e.c	218	196	136	135	211	261	1 640	1 438
Repair services	775	97	955	130	1 046	157	4 448	618
Automobile services, except repair	190	34	129	15	120	32	992	233
Automobile repair and related services	330	–	493	41	492	30	1 658	54
Electrical repair shops	60	4	78	24	158	16	574	108
Miscellaneous repair services	195	59	255	50	276	79	1 224	223
Business and repair services—allocated	65	24	61	38	124	10	750	297
Personal services	**936**	**2 416**	**1 019**	**2 992**	**1 380**	**3 404**	**5 257**	**12 766**
Private households	86	836	99	1 061	94	1 084	314	3 554
Hotels and motels	254	340	299	661	386	701	1 013	1 535
Lodging places, except hotels and motels	32	52	40	78	132	268	56	198
Laundering, cleaning, and other garment services	222	447	214	403	259	480	1 402	2 628
Beauty shops	39	517	25	457	47	468	256	2 734
Barber shops	141	5	122	11	235	6	877	49
Shoe repair shops	24	10	4	–	20	10	145	26
Dressmaking shops	–	21	7	33	10	39	30	170
Miscellaneous personal services	89	58	112	64	116	45	671	433
Personal services—allocated	49	130	97	224	81	303	493	1 439
Entertainment and recreation services	**468**	**326**	**415**	**186**	**425**	**280**	**2 600**	**1 886**
Theaters and motion pictures	102	79	105	30	134	130	926	522
Bowling alleys, and billiard and pool parlors	123	70	60	54	60	17	407	408
Miscellaneous entertainment and recreation services	234	161	221	97	216	118	1 015	832
Entertainment and recreation services—allocated	9	16	29	5	15	15	252	124
Professional and related services	**6 166**	**11 749**	**6 810**	**13 190**	**17 650**	**22 638**	**33 451**	**66 181**
Health services	1 436	5 024	1 419	6 364	2 836	8 137	7 895	29 132
Offices of physicians	226	396	214	396	271	451	1 307	2 022
Offices of dentists	122	261	146	170	148	331	796	950
Offices of chiropractors	20	18	20	19	35	16	92	20
Hospitals	903	3 551	713	4 514	1 777	5 163	4 137	19 301
Convalescent institutions	66	668	221	1 081	180	1 522	592	5 389
Offices of health practitioners, n.e.c	41	19	31	11	29	26	133	78
Health services, n.e.c	58	111	74	173	396	628	838	1 372
Legal services	154	202	193	168	430	312	1 705	1 525
Educational services	3 394	5 213	3 699	4 894	11 338	11 304	14 796	25 498
Elementary and secondary schools	1 775	3 391	2 590	3 560	2 031	4 316	9 464	19 320
Government	1 459	2 345	2 291	2 903	1 746	3 540	7 665	14 309
Private	316	1 046	299	657	285	776	1 799	5 011
Colleges and universities	1 553	1 498	1 028	974	8 991	6 342	4 611	4 615
Government	1 088	927	822	648	8 576	5 828	2 406	2 086
Private	465	571	206	326	415	514	2 205	2 529
Libraries	11	173	43	158	56	281	231	771
Educational services, n.e.c	55	151	34	202	260	360	490	786
Not specified educational services	–	–	4	–	–	5	–	6
Museums, art galleries, and zoos	–	16	13	6	18	33	154	145
Religious organizations	363	302	376	232	422	324	1 884	1 526
Welfare services	96	160	232	426	300	484	937	1 636
Residential welfare facilities	–	4	35	128	35	39	118	198
Nonprofit membership organizations	163	220	282	258	465	404	1 019	1 108
Engineering and architectural services	171	41	201	19	502	108	1 564	302
Accounting, auditing, and bookkeeping services	117	99	92	78	256	257	1 355	951
Miscellaneous professional and related services	132	48	52	42	308	214	475	380
Professional and related services—allocated	140	420	216	575	740	1 022	1 549	3 780
Public administration	**2 006**	**642**	**3 454**	**1 181**	**6 037**	**4 088**	**17 306**	**5 533**
Postal service	576	92	654	131	837	179	4 293	1 181
Federal public administration	120	84	918	464	819	506	1 678	1 056
State public administration	224	77	481	139	2 814	2 788	1 148	441
Local public administration	1 062	370	1 340	434	1 455	518	9 633	2 550
Public administration—allocated	24	19	61	13	112	97	554	305

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
THE STATE											
Male, 16 years old and over	**1 106 835**	**1 076 466**	**24 896**	**9 140**	**1 094 076**	**819 474**	**197 238**	**77 364**	**27 489**	**61 629**	**121 197**
Agriculture, forestry, and fisheries	**97 035**	**96 585**	**281**	**263**	**95 569**	**82 484**	**7 387**	**5 698**	**3 319**	**7 199**	**14 069**
Agriculture	95 407	94 979	278	257	93 961	81 410	7 067	5 484	3 230	7 022	13 682
Forestry and fisheries	1 628	1 606	3	6	1 608	1 074	320	214	89	177	387
Mining	**2 963**	**2 902**	**38**	**5**	**2 957**	**2 108**	**740**	**109**	**138**	**283**	**269**
Construction	**91 718**	**89 846**	**1 390**	**366**	**90 932**	**56 282**	**28 691**	**5 959**	**2 536**	**5 601**	**12 523**
Manufacturing	**409 355**	**392 993**	**14 217**	**5 320**	**405 543**	**318 981**	**66 213**	**20 349**	**10 815**	**23 063**	**33 716**
Durable goods	278 909	265 702	11 554	4 039	276 372	215 104	48 120	13 148	7 392	15 596	19 777
Logging	2 747	2 665	4	–	2 704	1 455	897	352	117	258	482
Sawmills, planing mills, and millwork	9 438	9 200	10	25	9 350	6 860	1 793	697	409	699	1 103
Miscellaneous wood products	2 384	2 363	16	7	2 343	1 654	462	227	105	127	258
Furniture and fixtures	5 525	5 487	22	46	5 449	4 191	832	426	186	370	635
Stone, clay, and glass products	7 132	7 026	83	63	7 077	5 335	1 369	373	157	389	646
Cement, concrete, gypsum, and plaster products	3 831	3 765	54	27	3 805	2 706	920	179	87	174	342
Primary iron and steel industries	21 662	19 012	2 534	987	21 396	16 498	3 878	1 020	632	1 282	1 530
Primary nonferrous industries	6 328	6 076	214	262	6 290	5 012	994	284	186	333	522
Fabricated metal industries, including not specified metal	33 389	32 436	811	406	33 140	26 549	4 892	1 699	672	1 570	2 461
Machinery, except electrical	93 946	90 849	2 729	1 123	93 351	76 527	13 181	3 643	2 257	4 962	4 935
Office, accounting, and computing machines	1 617	1 600	10	18	1 604	1 307	222	75	17	37	72
Electrical machinery, equipment, and supplies	32 352	31 531	593	390	32 174	26 589	4 162	1 423	642	1 388	1 832
Radio, television, and communication equipment	3 818	3 759	41	75	3 813	3 316	390	107	31	118	188
Motor vehicles and motor vehicle equipment	30 418	27 822	2 462	424	30 175	19 608	9 728	839	925	2 382	1 461
Aircraft and parts	473	453	10	8	468	390	57	21	26	35	77
Other transportation equipment	6 173	6 000	149	51	6 123	4 275	1 432	416	217	358	438
Professional and photographic equipment, and watches	5 097	4 963	89	70	5 076	4 228	636	212	116	188	265
Ordnance	4 240	4 195	18	27	4 205	3 558	480	167	10	63	221
Miscellaneous manufactures and durable goods – allocated	17 605	15 624	1 810	150	17 051	12 375	3 327	1 349	735	1 192	2 911
Nondurable goods	128 448	125 381	2 575	1 249	127 187	102 255	17 844	7 088	3 340	7 308	13 620
Meat products	8 046	7 750	277	104	7 950	6 332	1 230	388	257	406	602
Canning and preserving produce, seafoods, and beverages	13 224	12 855	330	114	13 145	9 854	2 417	874	484	1 158	3 384
Bakery products	1 987	1 935	52	50	1 981	1 503	333	145	41	80	237
Other food industries	17 796	17 609	157	109	17 622	14 032	2 357	1 233	367	790	1 450
Yarn, thread, and fabric mills	1 086	1 059	21	6	1 070	753	236	81	56	92	181
Other textile mill products	1 674	1 624	40	49	1 653	1 280	258	115	44	109	106
Apparel and other fabricated textile products	1 438	1 413	25	17	1 427	1 075	231	121	48	103	158
Paper and allied products	34 777	34 408	190	207	34 613	30 003	3 572	1 038	779	1 736	2 324
Printing, publishing, and allied industries	19 892	19 567	278	106	19 690	15 669	2 765	1 256	340	1 051	1 752
Chemicals and allied products	9 014	8 793	195	133	8 935	7 441	1 150	344	184	346	763
Petroleum and coal products	815	815	–	–	809	672	87	50	9	72	94
Rubber and miscellaneous plastic products	7 362	7 302	22	48	7 304	5 615	1 232	457	208	467	677
Footwear, except rubber	2 755	2 702	40	42	2 719	2 115	446	158	115	250	322
Other nondurable goods	8 582	7 549	948	264	8 269	5 911	1 530	828	408	648	1 570
Not specified manufacturing industries	1 998	1 910	88	32	1 984	1 622	249	113	83	159	319
Transportation, communications, and other public utilities[1]	**74 205**	**72 473**	**1 461**	**409**	**73 707**	**58 488**	**12 065**	**3 154**	**2 835**	**4 860**	**5 906**
Railroads and railway express service	11 108	10 916	158	77	10 981	8 816	1 766	399	1 040	1 548	1 005
Street railways and bus lines	4 383	4 286	97	19	4 366	3 073	1 057	236	119	238	251
Trucking service and warehousing	22 021	21 711	194	121	21 917	16 953	4 007	957	383	910	1 464
Water transportation	1 714	1 554	132	6	1 700	527	967	206	91	126	353
Air transportation	1 579	1 559	20	16	1 573	1 343	167	63	26	37	167
All other transportation	1 945	1 865	71	21	1 925	1 207	558	160	59	165	285
Communications	10 106	9 975	120	58	10 061	8 505	1 236	320	214	351	474
Electric and gas utilities	12 085	11 961	80	42	12 062	10 847	987	228	383	779	627
Water supply, sanitary services, and other utilities	5 996	5 723	262	19	5 952	5 033	619	300	293	405	670
Wholesale and retail trade	**192 744**	**188 997**	**3 184**	**1 050**	**189 567**	**134 528**	**32 792**	**22 247**	**3 692**	**8 744**	**24 353**
Wholesale trade	47 019	45 876	999	365	46 678	38 001	6 339	2 338	990	1 828	4 059
Food and farm products	11 061	10 912	118	64	10 987	8 931	1 498	558	282	491	1 061
Retail trade	145 725	143 121	2 185	685	142 889	96 527	26 453	19 909	2 702	6 916	20 294
Hardware, farm equipment, and building material retailing	13 003	12 941	41	27	12 920	10 243	1 762	915	376	613	1 356
General merchandise stores	13 231	12 994	211	77	13 089	8 946	2 227	1 916	274	680	1 536
Food stores	23 130	22 803	305	148	22 726	15 296	4 036	3 394	470	985	3 404
Motor vehicles and accessories retailing	16 229	15 935	275	77	16 088	12 732	2 351	1 005	158	566	952
Gasoline service stations	15 727	15 541	148	52	15 302	9 043	3 400	2 859	171	514	2 093
Apparel and accessories stores	5 234	5 101	129	25	5 153	3 317	1 099	737	80	242	661
Furniture, home furnishings, and equipment stores	8 035	7 944	78	51	7 919	6 220	1 156	543	164	316	645
Eating and drinking places	26 377	25 668	492	134	25 478	13 988	5 949	5 541	551	1 697	5 733
Drugstores	3 335	3 296	29	13	3 305	2 312	597	396	34	156	412
Other retail trade	21 424	20 898	477	81	20 909	14 430	3 876	2 603	424	1 147	3 502
Finance, insurance, and real estate	**31 056**	**30 701**	**316**	**127**	**30 852**	**25 360**	**3 890**	**1 602**	**605**	**1 529**	**2 298**
Banking and credit agencies	7 873	7 828	45	33	7 825	6 715	748	362	185	400	567
Insurance	13 861	13 723	131	57	13 781	11 727	1 505	549	176	523	538
Other finance and real estate	9 322	9 150	140	37	9 246	6 918	1 637	691	244	606	1 193
Business and repair services	**27 871**	**27 230**	**497**	**216**	**27 406**	**19 504**	**5 027**	**2 875**	**483**	**1 272**	**3 134**
Advertising	1 649	1 646	3	–	1 645	1 318	259	68	26	48	192
Commercial research, management, and programing services	2 303	2 261	25	28	2 273	1 753	344	176	9	54	189
Automobile services	9 911	9 683	189	40	9 733	6 962	1 646	1 125	145	384	973
Other business and repair services	14 008	13 640	280	148	13 755	9 471	2 778	1 506	303	786	1 780
Personal services	**16 591**	**15 834**	**591**	**170**	**16 175**	**11 065**	**3 006**	**2 104**	**612**	**1 868**	**4 394**
Private households	1 417	1 345	50	16	1 350	565	272	513	118	470	1 123
Hotels and lodging places	4 946	4 777	131	67	4 772	2 778	1 129	865	204	697	2 062
Laundering, cleaning, and other garment services	3 192	3 001	140	48	3 137	2 315	526	296	55	246	380
Barber and beauty shops	3 665	3 561	78	31	3 622	2 903	569	150	98	198	164
Other personal services	3 371	3 150	192	8	3 294	2 504	510	280	137	257	665
Entertainment and recreation services	**6 753**	**6 584**	**113**	**38**	**6 521**	**3 063**	**1 764**	**1 694**	**122**	**607**	**4 159**
Professional and related services	**108 771**	**105 718**	**1 872**	**907**	**107 503**	**66 387**	**31 236**	**9 880**	**1 086**	**3 703**	**10 114**
Health services	22 900	22 052	564	231	22 621	16 499	4 366	1 756	320	1 046	2 056
Educational services, government	45 543	44 349	595	394	45 122	22 668	18 468	3 986	278	1 073	3 693
Educational services, private	11 969	11 682	159	91	11 798	6 058	3 902	1 838	106	368	1 298
Welfare, religious, and nonprofit membership organizations	12 494	12 078	315	62	12 338	9 420	1 885	1 033	214	653	1 336
Other professional and related services	15 865	15 557	239	129	15 624	11 742	2 615	1 267	168	563	1 731
Public administration[1]	**47 587**	**46 438**	**920**	**255**	**47 344**	**41 224**	**4 427**	**1 693**	**1 246**	**2 900**	**6 262**
Postal service	10 659	10 300	334	90	10 645	9 607	793	245	365	551	546
Federal public administration	6 010	5 812	115	35	5 953	5 099	623	231	300	759	1 993
State and local public administration	29 857	29 372	369	125	29 708	25 727	2 810	1 171	551	1 520	3 296
Unemployed persons, last worked 1959 or earlier[2]	**186**	**165**	**16**	**14**	...	...	...	...	...	...	...

[1] Includes allocated cases not shown separately. [2] See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
THE STATE—Continued											
Female, 16 years old and over	**662 413**	**639 277**	**19 645**	**4 542**	**633 756**	**334 454**	**185 271**	**114 031**	**58 226**	**142 080**	**179 457**
Agriculture, forestry, and fisheries	**15 841**	**15 623**	**151**	**52**	**14 848**	**11 836**	**1 535**	**1 477**	**875**	**2 522**	**5 771**
Agriculture	15 598	15 403	145	52	14 619	11 667	1 512	1 440	844	2 478	5 625
Forestry and fisheries	243	220	6	–	229	169	23	37	31	44	146
Mining	**244**	**239**	**5**	**–**	**240**	**137**	**56**	**47**	**50**	**26**	**62**
Construction	**5 021**	**4 986**	**26**	**42**	**4 892**	**3 363**	**999**	**530**	**353**	**865**	**1 222**
Manufacturing	**141 300**	**135 565**	**4 782**	**1 512**	**136 636**	**83 836**	**34 402**	**18 398**	**15 554**	**36 474**	**38 279**
Durable goods	81 707	78 315	2 879	932	79 262	50 078	19 995	9 189	7 673	19 130	18 322
Logging	92	92	–	–	92	41	13	38	–	24	75
Sawmills, planing mills, and millwork	2 455	2 424	–	27	2 380	1 421	732	227	150	464	516
Miscellaneous wood products	987	979	5	–	980	550	257	173	67	268	242
Furniture and fixtures	2 883	2 861	6	41	2 781	1 650	734	397	163	747	766
Stone, clay, and glass products	2 046	1 927	103	23	1 968	1 170	519	279	94	451	482
Cement, concrete, gypsum, and plaster products	291	291	–	–	280	181	72	27	20	103	43
Primary iron and steel industries	2 322	2 254	62	22	2 239	1 655	387	197	225	411	321
Primary nonferrous industries	1 502	1 463	39	27	1 462	818	437	207	174	326	514
Fabricated metal industries, including not specified metal	10 886	10 536	284	91	10 568	6 616	2 769	1 183	1 012	2 187	2 326
Machinery, except electrical	18 390	17 683	621	144	18 006	12 296	3 993	1 717	1 559	3 778	2 778
Office, accounting, and computing machines	827	811	4	–	761	419	259	83	82	422	177
Electrical machinery, equipment, and supplies	21 117	20 057	901	326	20 630	13 183	5 134	2 313	2 242	5 586	4 784
Radio, television, and communication equipment	3 253	3 167	66	88	3 182	1 963	848	371	481	1 263	975
Motor vehicles and motor vehicle equipment	3 647	3 302	325	26	3 569	2 123	1 062	384	473	839	428
Aircraft and parts	76	76	–	–	76	33	25	18	27	80	42
Other transportation equipment	1 086	1 051	35	8	1 054	594	315	145	119	161	218
Professional and photographic equipment, and watches	3 215	3 157	45	57	3 151	1 967	872	312	233	762	824
Ordnance	2 349	2 291	16	60	2 334	1 510	575	249	47	467	468
Miscellaneous manufactures and durable goods—allocated	8 654	8 162	437	80	7 972	4 451	2 171	1 350	1 088	2 579	3 538
Nondurable goods	58 623	56 324	1 868	569	56 423	33 243	14 139	9 041	7 713	17 044	19 491
Meat products	2 324	2 268	56	9	2 264	1 492	484	288	260	677	470
Canning and preserving produce, seafoods, and beverages	3 615	3 502	56	42	3 463	1 733	707	1 023	1 128	2 415	5 095
Bakery products	1 082	1 018	60	7	1 059	615	251	193	156	355	402
Other food industries	5 394	5 236	120	47	5 215	2 938	1 344	933	700	1 619	1 623
Yarn, thread, and fabric mills	1 028	1 010	4	11	965	559	241	165	108	212	203
Other textile mill products	3 375	3 207	141	77	3 238	1 796	902	540	417	905	805
Apparel and other fabricated textile products	6 663	6 323	234	105	6 424	3 268	2 144	1 012	966	2 034	1 539
Paper and allied products	7 250	7 088	130	62	7 096	4 778	1 444	874	1 080	1 929	1 417
Printing, publishing, and allied industries	9 547	9 259	269	64	9 279	5 580	2 203	1 496	1 015	2 274	2 202
Chemicals and allied products	3 086	2 949	108	19	3 009	1 959	660	390	251	749	731
Petroleum and coal products	209	204	5	–	209	147	26	36	24	41	91
Rubber and miscellaneous plastic products	4 741	4 575	128	47	4 548	2 570	1 164	814	267	955	1 021
Footwear, except rubber	5 585	5 429	126	38	5 392	3 421	1 336	635	596	1 358	1 145
Other nondurable goods	4 724	4 256	431	41	4 262	2 387	1 233	642	745	1 521	2 747
Not specified manufacturing industries	970	926	35	11	951	515	268	168	168	300	466
Transportation, communications, and other public utilities[1]	**17 877**	**17 308**	**528**	**98**	**17 267**	**11 092**	**3 951**	**2 224**	**2 604**	**4 549**	**3 884**
Railroads and railway express service	445	440	5	–	435	331	74	30	99	218	109
Street railways and bus lines	1 752	1 732	10	6	1 714	296	987	431	36	187	271
Trucking service and warehousing	2 296	2 236	55	25	2 240	1 551	425	264	170	434	591
Water transportation	102	102	–	–	98	64	29	5	10	16	36
Air transportation	503	499	4	9	490	297	132	61	114	160	106
All other transportation	686	666	15	7	646	414	143	89	47	160	161
Communications	8 736	8 391	340	51	8 418	5 828	1 567	1 023	1 592	2 480	1 832
Electric and gas utilities	2 316	2 234	75	–	2 292	1 722	359	211	340	581	347
Water supply, sanitary services, and other utilities	393	388	–	–	366	282	69	15	25	44	86
Wholesale and retail trade	**159 417**	**156 577**	**2 328**	**699**	**151 772**	**77 375**	**40 333**	**34 064**	**14 466**	**37 542**	**51 955**
Wholesale trade	14 078	13 673	360	67	13 623	8 592	2 976	2 055	1 457	3 168	3 595
Food and farm products	3 541	3 446	71	12	3 419	2 082	780	557	410	901	1 153
Retail trade	145 339	142 904	1 968	632	138 149	68 783	37 357	32 009	13 009	34 374	48 360
Hardware, farm equipment, and building material retailing	3 596	3 591	5	6	3 526	2 164	838	524	295	756	943
General merchandise stores	36 671	35 976	575	214	35 299	17 937	9 645	7 717	3 799	10 337	11 949
Food stores	21 902	21 690	176	60	21 141	11 525	5 269	4 347	2 118	4 856	5 807
Motor vehicles and accessories retailing	2 732	2 703	13	6	2 676	1 729	521	426	187	481	572
Gasoline service stations	1 021	1 015	6	5	977	541	253	183	85	190	272
Apparel and accessories stores	9 939	9 773	136	12	9 704	4 855	2 727	2 122	955	2 426	2 787
Furniture, home furnishings, and equipment stores	3 203	3 120	72	19	3 075	1 763	765	547	282	674	870
Eating and drinking places	41 866	41 214	464	143	39 260	16 613	11 389	11 258	3 141	9 679	16 034
Drugstores	4 924	4 850	63	13	4 699	2 279	1 253	1 167	426	1 001	1 385
Other retail trade	19 485	18 972	458	154	17 792	9 377	4 697	3 718	1 721	3 974	7 741
Finance, insurance, and real estate	**34 678**	**33 884**	**697**	**215**	**33 727**	**22 185**	**6 942**	**4 600**	**4 012**	**7 737**	**6 922**
Banking and credit agencies	14 394	14 140	218	88	14 084	9 469	2 818	1 797	1 542	3 288	2 674
Insurance	13 715	13 346	318	84	13 397	8 882	2 640	1 875	1 891	3 152	2 478
Other finance and real estate	6 569	6 398	161	43	6 246	3 834	1 484	928	579	1 297	1 770
Business and repair services	**11 049**	**10 669**	**325**	**90**	**10 406**	**5 166**	**2 797**	**2 443**	**944**	**2 778**	**4 409**
Advertising	965	955	10	–	932	533	259	140	125	212	235
Commercial research, management, and programing services	2 055	2 015	26	21	1 926	893	485	548	119	547	612
Automobile services	988	962	18	–	942	464	226	252	73	224	330
Other business and repair services	7 041	6 737	271	69	6 606	3 276	1 827	1 503	627	1 795	3 232
Personal services	**44 469**	**41 457**	**2 637**	**300**	**41 561**	**19 460**	**11 598**	**10 503**	**4 672**	**11 572**	**16 356**
Private households	15 723	14 673	927	71	14 328	5 059	4 223	5 046	1 761	4 138	5 832
Hotels and lodging places	8 575	8 164	358	78	8 188	3 954	2 188	2 046	742	2 789	4 606
Laundering, cleaning, and other garment services	6 637	5 977	576	35	6 368	3 614	1 669	1 085	815	1 677	1 716
Barber and beauty shops	8 030	7 855	123	74	7 737	4 459	2 007	1 271	768	1 920	1 718
Other personal services	5 504	4 788	653	42	4 940	2 374	1 511	1 055	586	1 048	2 484
Entertainment and recreation services	**4 918**	**4 866**	**33**	**–**	**4 654**	**1 566**	**1 633**	**1 455**	**382**	**1 332**	**3 571**
Professional and related services	**207 504**	**198 835**	**7 435**	**1 352**	**199 807**	**87 018**	**77 363**	**35 426**	**12 727**	**32 628**	**41 499**
Health services	90 004	85 736	3 873	624	86 724	51 254	21 050	14 420	5 737	14 400	15 537
Educational services, government	63 712	61 800	1 471	344	62 144	14 573	36 004	11 567	3 620	9 144	12 972
Educational services, private	23 181	22 445	618	178	22 520	5 375	12 858	4 287	1 055	3 570	4 768
Welfare, religious, and nonprofit membership organizations	12 119	11 472	512	117	11 704	6 766	2 875	2 063	805	2 273	2 704
Other professional and related services	18 488	17 382	961	89	16 715	9 050	4 576	3 089	1 510	3 241	5 518
Public administration[1]	**19 055**	**18 260**	**666**	**177**	**17 946**	**11 420**	**3 662**	**2 864**	**1 587**	**4 055**	**5 527**
Postal service	2 795	2 554	230	30	2 702	1 694	537	471	152	598	724
Federal public administration	3 690	3 506	144	94	3 259	2 184	517	558	560	1 099	1 102
State and local public administration	11 764	11 522	192	53	11 324	7 219	2 388	1 717	796	2 216	3 234
Unemployed persons, last worked 1959 or earlier[2]	**1 040**	**1 008**	**32**	**5**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970**—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
APPLETON–OSHKOSH SMSA											
Male, 16 years old and over	**68 354**	**67 886**	**58**	**237**	**67 714**	**51 484**	**11 544**	**4 686**	**1 350**	**3 315**	**8 036**
Agriculture, forestry, and fisheries	**4 933**	**4 933**	**–**	**–**	**4 838**	**4 154**	**406**	**278**	**105**	**338**	**644**
Agriculture	4 910	4 910	–	–	4 815	4 143	406	266	105	329	628
Forestry and fisheries	23	23	–	–	23	11	–	12	–	9	16
Mining	**158**	**151**	**–**	**–**	**158**	**127**	**31**	**–**	**5**	**–**	**–**
Construction	**5 476**	**5 418**	**–**	**–**	**5 456**	**3 592**	**1 548**	**316**	**96**	**238**	**704**
Manufacturing	**29 757**	**29 532**	**39**	**131**	**29 549**	**24 043**	**3 983**	**1 523**	**656**	**1 481**	**2 833**
Durable goods	13 593	13 465	18	62	13 506	10 755	2 009	742	266	640	1 391
Logging	21	21	–	–	21	11	5	5	–	–	6
Sawmills, planing mills, and millwork	907	907	–	6	902	740	113	49	66	99	127
Miscellaneous wood products	104	104	–	–	104	69	14	21	–	17	21
Furniture and fixtures	431	420	5	–	431	300	89	42	19	46	70
Stone, clay, and glass products	310	310	–	–	304	245	54	5	–	33	29
Cement, concrete, gypsum, and plaster products	280	280	–	–	274	215	54	5	–	16	14
Primary iron and steel industries	1 937	1 899	–	18	1 906	1 482	333	91	35	45	170
Primary nonferrous industries	353	348	–	–	353	303	35	15	4	15	33
Fabricated metal industries, including not specified metal	1 211	1 206	–	–	1 194	914	158	122	22	70	147
Machinery, except electrical	4 786	4 771	–	10	4 781	3 912	677	192	55	162	331
Office, accounting, and computing machines	60	60	–	–	60	60	–	–	–	–	7
Electrical machinery, equipment, and supplies	1 080	1 070	–	7	1 080	886	125	69	36	25	86
Radio, television, and communication equipment	47	47	–	–	47	36	5	6	–	–	19
Motor vehicles and motor vehicle equipment	1 471	1 457	–	13	1 454	1 171	237	46	15	60	88
Aircraft and parts	46	46	–	8	46	42	4	–	–	–	5
Other transportation equipment	110	110	–	–	110	65	29	16	–	18	31
Professional and photographic equipment, and watches	77	77	–	–	77	73	4	–	–	–	6
Ordnance	–	–	–	–	–	–	–	–	–	–	–
Miscellaneous manufactures and durable goods – allocated	749	719	13	–	743	542	132	69	14	50	241
Nondurable goods	16 060	15 963	21	69	15 943	13 198	1 970	775	390	828	1 427
Meat products	162	156	–	–	162	114	27	21	–	12	29
Canning and preserving produce, seafoods, and beverages	559	553	–	14	554	385	109	60	15	32	281
Bakery products	108	108	–	6	108	62	35	11	–	–	16
Other food industries	994	989	–	–	989	785	148	56	21	46	139
Yarn, thread, and fabric mills	166	166	–	–	159	134	25	–	20	5	11
Other textile mill products	216	216	–	–	216	184	27	5	10	33	4
Apparel and other fabricated textile products	87	87	–	–	82	70	8	4	–	6	19
Paper and allied products	10 623	10 564	–	40	10 585	9 049	1 191	345	270	530	617
Printing, publishing, and allied industries	2 233	2 233	–	–	2 201	1 801	220	180	29	114	139
Chemicals and allied products	201	201	–	9	201	161	35	5	–	5	29
Petroleum and coal products	34	34	–	–	34	29	5	–	–	6	5
Rubber and miscellaneous plastic products	133	133	–	–	133	87	31	15	–	4	11
Footwear, except rubber	49	49	–	–	49	39	10	–	–	4	5
Other nondurable goods	495	474	21	–	470	298	99	73	25	31	122
Not specified manufacturing industries	104	104	–	–	100	90	4	6	–	13	15
Transportation, communications, and other public utilities[1]	**3 492**	**3 482**	**5**	**8**	**3 469**	**2 819**	**492**	**158**	**111**	**197**	**335**
Railroads and railway express service	332	332	–	–	327	286	21	20	26	51	53
Street railways and bus lines	175	175	–	–	175	108	47	20	–	7	49
Trucking service and warehousing	983	978	–	–	983	792	152	39	23	35	69
Water transportation	21	21	–	–	21	21	–	–	–	–	4
Air transportation	117	117	–	–	117	112	5	–	–	–	24
All other transportation	110	110	–	–	110	91	14	5	–	24	9
Communications	575	575	–	8	570	450	104	16	22	20	35
Electric and gas utilities	675	675	–	–	675	565	100	10	18	35	28
Water supply, sanitary services, and other utilities	380	375	5	–	374	337	25	12	22	19	21
Wholesale and retail trade	**11 458**	**11 401**	**14**	**49**	**11 298**	**7 924**	**2 152**	**1 222**	**200**	**530**	**1 760**
Wholesale trade	2 813	2 808	–	12	2 798	2 371	346	81	47	86	265
Food and farm products	680	675	–	6	680	578	84	18	–	33	58
Retail trade	8 645	8 593	14	37	8 500	5 553	1 806	1 141	153	444	1 495
Hardware, farm equipment, and building material retailing	789	789	–	–	780	652	102	26	21	43	83
General merchandise stores	825	820	–	–	813	554	171	88	21	54	165
Food stores	1 321	1 309	–	14	1 280	800	292	188	21	47	251
Motor vehicles and accessories retailing	1 199	1 199	–	23	1 199	823	274	102	14	31	82
Gasoline service stations	873	869	4	–	855	522	166	167	16	42	201
Apparel and accessories stores	231	231	–	–	227	147	48	32	–	6	28
Furniture, home furnishings, and equipment stores	506	506	–	–	506	402	61	43	9	21	65
Eating and drinking places	1 573	1 552	5	–	1 525	748	436	341	23	149	333
Drugstores	155	155	–	–	155	92	42	21	–	–	33
Other retail trade	1 173	1 163	5	–	1 160	813	214	133	28	51	254
Finance, insurance, and real estate	**1 824**	**1 824**	**–**	**–**	**1 810**	**1 502**	**229**	**79**	**31**	**67**	**126**
Banking and credit agencies	457	457	–	–	452	392	50	10	17	15	66
Insurance	969	969	–	–	960	832	88	40	14	36	15
Other finance and real estate	398	398	–	–	398	278	91	29	–	16	45
Business and repair services	**1 533**	**1 525**	**–**	**–**	**1 528**	**1 039**	**281**	**208**	**10**	**78**	**242**
Advertising	65	65	–	–	65	54	5	6	–	–	14
Commercial research, management, and programing services	181	177	–	–	181	128	23	30	–	5	21
Automobile services	545	541	–	–	545	362	96	87	4	23	86
Other business and repair services	742	742	–	–	737	495	157	85	6	50	121
Personal services	**978**	**978**	**–**	**8**	**944**	**616**	**210**	**118**	**26**	**80**	**269**
Private households	86	86	–	–	80	28	42	10	13	38	92
Hotels and lodging places	322	322	–	–	305	164	85	56	4	30	87
Laundering, cleaning, and other garment services	222	222	–	8	222	166	35	21	–	–	59
Barber and beauty shops	180	180	–	–	174	130	24	20	9	5	–
Other personal services	168	168	–	–	163	128	24	11	–	7	31
Entertainment and recreation services	**500**	**495**	**–**	**5**	**500**	**236**	**114**	**150**	**7**	**14**	**277**
Professional and related services	**6 201**	**6 103**	**–**	**31**	**6 130**	**3 660**	**1 955**	**515**	**54**	**208**	**536**
Health services	1 442	1 436	–	6	1 425	1 064	270	91	24	64	83
Educational services, government	2 571	2 530	–	21	2 565	1 195	1 176	194	12	65	239
Educational services, private	829	804	–	4	818	405	265	148	13	30	91
Welfare, religious, and nonprofit membership organizations	634	622	–	–	611	446	108	57	–	36	67
Other professional and related services	725	711	–	–	711	550	136	25	5	13	56
Public administration[1]	**2 044**	**2 044**	**–**	**5**	**2 034**	**1 772**	**143**	**119**	**49**	**84**	**310**
Postal service	576	576	–	–	576	531	27	18	16	14	31
Federal public administration	149	149	–	–	149	128	8	13	17	31	124
State and local public administration	1 295	1 295	–	5	1 285	1 103	108	74	16	39	139
Unemployed persons, last worked 1959 or earlier[2]	–	–	–	–	...	...	...	...	...	...	...

[1]Includes allocated cases not shown seporately. [2]See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
APPLETON–OSHKOSH SMSA—Continued											
Female, 16 years old and over	39 340	39 113	16	110	37 743	19 309	11 352	7 082	3 687	9 051	11 825
Agriculture, forestry, and fisheries	937	931	–	–	846	693	70	83	5	52	315
Agriculture	937	931	–	–	846	693	70	83	5	52	300
Forestry and fisheries	–	–	–	–	–	–	–	–	–	–	15
Mining	15	15	–	–	15	5	5	5	13	–	–
Construction	416	416	–	–	411	295	52	64	35	93	72
Manufacturing	9 256	9 192	–	25	8 980	5 170	2 408	1 402	1 164	2 637	2 953
Durable goods	3 757	3 731	–	19	3 674	2 044	1 164	466	291	894	1 179
Logging	9	9	–	–	9	9	–	–	–	–	7
Sawmills, planing mills, and millwork	389	372	–	–	389	236	113	40	10	70	68
Miscellaneous wood products	22	22	–	–	22	18	4	–	6	12	9
Furniture and fixtures	137	137	–	7	132	60	46	26	10	21	38
Stone, clay, and glass products	33	33	–	–	33	29	4	–	5	–	7
Cement, concrete, gypsum, and plaster products	25	25	–	–	25	25	–	–	5	–	–
Primary iron and steel industries	218	218	–	7	205	140	50	15	14	24	25
Primary nonferrous industries	77	77	–	–	71	50	21	–	17	21	36
Fabricated metal industries, including not specified metal	526	526	–	–	520	319	127	74	34	87	157
Machinery, except electrical	878	873	–	5	859	510	273	76	53	122	142
Office, accounting, and computing machines	–	–	–	–	–	–	–	–	–	5	11
Electrical machinery, equipment, and supplies	637	633	–	–	627	322	257	48	77	230	346
Radio, television, and communication equipment	222	222	–	–	216	104	103	9	53	154	155
Motor vehicles and motor vehicle equipment	138	138	–	–	138	111	16	11	27	49	24
Aircraft and parts	–	–	–	–	–	–	–	–	–	14	–
Other transportation equipment	5	5	–	–	5	–	5	–	–	–	–
Professional and photographic equipment, and watches	54	54	–	–	54	25	14	15	–	24	15
Ordnance	–	–	–	–	–	–	–	–	4	–	–
Miscellaneous manufactures and durable goods – allocated	634	634	–	–	610	215	234	161	34	220	305
Nondurable goods	5 446	5 408	–	6	5 253	3 105	1 235	913	873	1 705	1 730
Meat products	35	35	–	–	35	25	–	10	5	21	18
Canning and preserving produce, seafoods, and beverages	121	121	–	–	121	28	29	64	81	225	391
Bakery products	65	65	–	–	65	22	21	22	9	28	17
Other food industries	262	262	–	–	256	135	53	68	46	95	183
Yarn, thread, and fabric mills	119	119	–	–	119	83	22	14	14	20	23
Other textile mill products	819	814	–	6	776	392	268	116	108	204	181
Apparel and other fabricated textile products	379	374	–	–	362	170	129	63	69	73	71
Paper and allied products	2 491	2 474	–	–	2 444	1 582	482	380	374	626	406
Printing, publishing, and allied industries	733	722	–	–	698	453	143	102	118	242	209
Chemicals and allied products	40	40	–	–	36	20	–	16	10	16	21
Petroleum and coal products	18	18	–	–	18	18	–	–	–	–	21
Rubber and miscellaneous plastic products	62	62	–	–	62	24	13	25	–	18	12
Footwear, except rubber	107	107	–	–	98	60	27	11	9	38	21
Other nondurable goods	195	195	–	–	163	93	48	22	30	99	156
Not specified manufacturing industries	53	53	–	–	53	21	9	23	–	38	44
Transportation, communications, and other public utilities[1]	1 208	1 203	–	17	1 155	803	241	111	214	336	256
Railroads and railway express service	11	11	–	–	11	5	6	–	–	15	4
Street railways and bus lines	63	63	–	6	63	12	29	22	–	9	17
Trucking service and warehousing	113	113	–	11	113	77	27	9	15	17	41
Water transportation	–	–	–	–	–	–	–	–	–	–	–
Air transportation	62	62	–	–	54	25	24	5	7	–	6
All other transportation	41	36	–	–	41	25	11	5	–	16	6
Communications	786	786	–	–	746	570	116	60	151	196	143
Electric and gas utilities	97	97	–	–	97	72	15	10	29	61	29
Water supply, sanitary services, and other utilities	17	17	–	–	17	4	13	–	–	–	5
Wholesale and retail trade	9 413	9 373	5	18	8 976	4 223	2 737	2 016	902	2 405	3 690
Wholesale trade	721	710	5	6	702	446	146	110	98	149	148
Food and farm products	194	189	5	–	186	116	45	25	20	49	33
Retail trade	8 692	8 663	–	12	8 274	3 777	2 591	1 906	804	2 256	3 542
Hardware, farm equipment, and building material retailing	193	193	–	–	193	97	47	49	11	60	82
General merchandise stores	2 237	2 226	–	6	2 166	1 058	643	465	292	869	1 128
Food stores	1 240	1 240	–	–	1 169	573	306	290	93	330	340
Motor vehicles and accessories retailing	143	138	–	–	139	72	36	31	11	36	45
Gasoline service stations	66	66	–	–	60	19	22	19	–	9	6
Apparel and accessories stores	575	570	–	–	564	277	203	84	28	114	173
Furniture, home furnishings, and equipment stores	196	196	–	6	190	103	64	23	13	50	61
Eating and drinking places	2 738	2 730	–	–	2 608	960	941	707	206	498	1 152
Drugstores	308	308	–	–	290	138	85	67	25	52	128
Other retail trade	996	996	–	–	895	480	244	171	125	238	427
Finance, insurance, and real estate	1 963	1 963	–	–	1 922	1 299	350	273	264	455	384
Banking and credit agencies	770	770	–	–	764	487	151	126	113	194	153
Insurance	926	926	–	–	907	663	129	115	137	204	160
Other finance and real estate	267	267	–	–	251	149	70	32	14	57	71
Business and repair services	564	564	–	–	535	248	158	129	25	147	244
Advertising	23	23	–	–	23	9	14	–	–	–	26
Commercial research, management, and programing services	97	97	–	–	92	25	23	44	–	69	14
Automobile services	42	42	–	–	37	16	14	7	–	14	23
Other business and repair services	402	402	–	–	383	198	107	78	25	64	181
Personal services	2 525	2 479	–	16	2 431	1 244	601	586	245	784	840
Private households	900	881	–	–	856	275	228	353	102*	271	306
Hotels and lodging places	416	411	–	–	402	277	68	57	34	160	237
Laundering, cleaning, and other garment services	447	429	–	–	442	270	95	77	44	154	92
Barber and beauty shops	522	522	–	16	513	314	140	59	48	140	128
Other personal services	240	236	–	–	218	108	70	40	17	59	77
Entertainment and recreation services	360	360	–	–	342	100	120	122	15	88	308
Professional and related services	11 951	11 885	11	34	11 495	4 824	4 490	2 181	733	1 858	2 478
Health services	5 092	5 075	–	5	4 883	3 038	1 103	742	318	737	927
Educational services, government	3 554	3 525	6	10	3 447	633	2 055	759	225	563	717
Educational services, private	1 768	1 763	5	19	1 727	315	1 003	409	86	232	382
Welfare, religious, and nonprofit membership organizations	698	691	–	–	673	375	150	148	31	138	177
Other professional and related services	839	831	–	–	765	463	179	123	73	188	275
Public administration[1]	663	663	–	–	635	405	120	110	72	196	285
Postal service	92	92	–	–	92	75	–	17	16	11	23
Federal public administration	91	91	–	–	88	62	4	22	12	27	53
State and local public administration	461	461	–	–	436	263	102	71	44	154	198
Unemployed persons, last worked 1959 or earlier[2]	69	69	–	–	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
DULUTH–SUPERIOR, MINN.–WIS., SMSA											
Male, 16 years old and over	**62 990**	**62 496**	**194**	**152**	**62 103**	**45 725**	**10 532**	**5 846**	**2 392**	**5 112**	**7 884**
Agriculture, forestry, and fisheries	**972**	**959**	**10**	**–**	**939**	**703**	**128**	**108**	**66**	**211**	**488**
Agriculture	795	785	10	–	773	593	89	91	61	151	371
Forestry and fisheries	177	174	–	–	166	110	39	17	5	60	117
Mining	**9 115**	**9 075**	**–**	**35**	**9 032**	**7 641**	**1 005**	**386**	**332**	**580**	**496**
Construction	**5 998**	**5 977**	**7**	**18**	**5 949**	**3 365**	**1 909**	**675**	**253**	**643**	**958**
Manufacturing	**10 706**	**10 575**	**56**	**24**	**10 499**	**7 851**	**1 635**	**1 013**	**434**	**815**	**1 531**
Durable goods	6 790	6 706	45	12	6 665	4 968	1 158	539	347	607	920
Logging	445	445	–	–	440	213	173	54	76	111	146
Sawmills, planing mills, and millwork	225	220	–	–	210	144	41	25	26	19	45
Miscellaneous wood products	386	382	–	–	360	247	78	35	11	13	15
Furniture and fixtures	40	40	–	–	40	26	5	9	8	–	–
Stone, clay, and glass products	308	305	3	–	301	226	62	13	20	30	42
Cement, concrete, gypsum, and plaster products	259	256	3	–	252	190	52	10	20	27	32
Primary iron and steel industries	2 388	2 337	32	12	2 372	1 929	299	144	137	241	255
Primary nonferrous industries	54	54	–	–	54	33	16	5	5	10	9
Fabricated metal industries, including not specified metal	1 051	1 051	–	–	1 036	859	125	52	24	25	118
Machinery, except electrical	1 041	1 041	–	–	1 031	703	211	117	13	40	84
Office, accounting, and computing machines	77	77	–	–	77	50	13	14	–	–	8
Electrical machinery, equipment, and supplies	191	181	10	–	191	157	27	7	10	29	48
Radio, television, and communication equipment	53	53	–	–	53	39	14	–	5	4	6
Motor vehicles and motor vehicle equipment	31	31	–	–	31	22	5	4	2	5	15
Aircraft and parts	9	9	–	–	9	3	–	6	–	5	5
Other transportation equipment	275	275	–	–	265	159	62	44	4	28	23
Professional and photographic equipment, and watches	49	42	–	–	49	30	16	3	–	–	14
Ordnance	–	–	–	–	–	–	–	–	–	2	–
Miscellaneous manufactures and durable goods—allocated	297	293	–	–	276	217	38	21	11	49	101
Nondurable goods	3 892	3 845	11	12	3 815	2 868	473	474	84	208	605
Meat products	233	233	–	7	214	187	4	23	6	28	34
Canning and preserving produce, seafoods, and beverages	490	476	–	–	483	309	81	93	20	21	67
Bakery products	173	173	–	–	173	148	8	17	–	9	18
Other food industries	701	690	11	5	688	451	113	124	–	30	135
Yarn, thread, and fabric mills	33	33	–	–	33	11	4	18	–	12	10
Other textile mill products	51	51	–	–	51	23	12	16	2	7	–
Apparel and other fabricated textile products	144	144	–	–	139	117	17	5	6	5	24
Paper and allied products	334	328	–	–	334	251	57	26	–	31	91
Printing, publishing, and allied industries	965	955	–	–	937	774	76	87	28	46	107
Chemicals and allied products	289	289	–	–	289	246	34	9	17	–	13
Petroleum and coal products	231	231	–	–	226	178	48	–	–	9	20
Rubber and miscellaneous plastic products	15	15	–	–	15	15	–	–	–	5	10
Footwear, except rubber	–	–	–	–	–	–	–	–	–	–	–
Other nondurable goods	233	227	–	–	233	158	19	56	5	5	76
Not specified manufacturing industries	24	24	–	–	19	15	4	–	3	–	6
Transportation, communications, and other public utilities[1]	**8 958**	**8 888**	**40**	**–**	**8 879**	**6 502**	**1 814**	**563**	**568**	**1 137**	**776**
Railroads and railway express service	3 636	3 625	–	–	3 604	2 946	533	125	319	705	248
Street railways and bus lines	427	427	–	–	427	315	83	29	23	48	16
Trucking service and warehousing	863	858	–	–	858	631	163	64	67	52	114
Water transportation	1 167	1 123	33	–	1 145	279	745	121	44	118	213
Air transportation	106	106	–	–	106	83	23	–	–	12	13
All other transportation	182	182	–	–	182	130	24	28	16	30	23
Communications	722	715	7	–	722	618	72	32	9	16	19
Electric and gas utilities	1 190	1 190	–	–	1 190	1 060	74	56	32	87	65
Water supply, sanitary services, and other utilities	404	404	–	–	400	306	35	59	36	32	43
Wholesale and retail trade	**11 877**	**11 801**	**23**	**31**	**11 669**	**8 540**	**1 500**	**1 629**	**354**	**744**	**1 577**
Wholesale trade	3 212	3 192	5	11	3 167	2 581	378	208	126	207	224
Food and farm products	856	851	5	–	831	704	98	29	41	60	69
Retail trade	8 665	8 609	18	20	8 502	5 959	1 122	1 421	228	537	1 353
Hardware, farm equipment, and building material retailing	603	603	–	–	603	430	83	90	29	33	70
General merchandise stores	736	731	–	5	728	562	45	121	21	34	94
Food stores	1 332	1 332	–	–	1 298	965	161	172	28	97	306
Motor vehicles and accessories retailing	1 078	1 069	–	–	1 042	844	88	110	18	50	105
Gasoline service stations	1 106	1 106	–	4	1 087	610	198	279	4	29	151
Apparel and accessories stores	347	347	–	–	347	258	21	68	9	23	65
Furniture, home furnishings, and equipment stores	518	508	5	–	518	399	58	61	23	36	33
Eating and drinking places	1 486	1 465	13	7	1 431	801	268	362	33	119	290
Drugstores	216	216	–	–	211	154	33	24	6	14	14
Other retail trade	1 243	1 232	–	4	1 237	936	167	134	57	102	225
Finance, insurance, and real estate	**1 587**	**1 587**	**–**	**17**	**1 582**	**1 339**	**187**	**56**	**62**	**77**	**114**
Banking and credit agencies	479	479	–	–	474	424	37	13	26	26	18
Insurance	604	604	–	8	604	540	60	4	7	17	23
Other finance and real estate	504	504	–	9	504	375	90	39	29	34	73
Business and repair services	**1 568**	**1 568**	**–**	**–**	**1 546**	**1 092**	**243**	**211**	**24**	**99**	**122**
Advertising	38	38	–	–	38	15	17	6	–	–	6
Commercial research, management, and programing services	102	102	–	–	102	55	13	34	–	16	–
Automobile services	682	682	–	–	673	485	119	69	15	35	51
Other business and repair services	746	746	–	–	733	537	94	102	9	48	65
Personal services	**1 105**	**1 071**	**24**	**6**	**1 048**	**641**	**176**	**231**	**38**	**111**	**320**
Private households	116	116	–	–	99	38	13	48	8	24	66
Hotels and lodging places	385	376	4	–	360	188	72	100	13	57	192
Laundering, cleaning, and other garment services	227	211	16	–	227	149	39	39	4	21	22
Barber and beauty shops	147	143	4	–	143	118	9	16	9	4	8
Other personal services	230	225	–	6	219	148	43	28	4	5	32
Entertainment and recreation services	**485**	**485**	**–**	**–**	**461**	**218**	**76**	**167**	**12**	**48**	**308**
Professional and related services	**6 987**	**6 918**	**31**	**7**	**6 892**	**4 654**	**1 589**	**649**	**115**	**313**	**590**
Health services	1 442	1 418	7	–	1 413	1 066	186	161	16	69	123
Educational services, government	3 242	3 209	17	–	3 209	1 942	991	276	47	107	219
Educational services, private	553	541	7	7	543	294	198	51	11	33	80
Welfare, religious, and nonprofit membership organizations	961	961	–	–	955	721	129	105	14	55	92
Other professional and related services	789	789	–	–	772	631	85	56	27	49	76
Public administration[1]	**3 624**	**3 584**	**3**	**14**	**3 607**	**3 179**	**270**	**158**	**134**	**334**	**604**
Postal service	667	664	3	–	667	603	55	9	27	76	63
Federal public administration	1 008	981	–	14	999	883	66	50	21	60	238
State and local public administration	1 881	1 871	–	–	1 873	1 646	139	88	81	183	272
Unemployed persons, last worked 1959 or earlier[2]	**8**	**8**	**–**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
DULUTH–SUPERIOR, MINN.–WIS., SMSA—Continued											
Female, 16 years old and over	35 040	34 702	128	43	32 913	17 378	8 227	7 308	4 248	9 744	11 512
Agriculture, forestry, and fisheries	252	252	–	–	231	174	20	37	22	59	220
Agriculture	187	187	–	–	171	125	20	26	18	45	152
Forestry and fisheries	65	65	–	–	60	49	–	11	4	14	68
Mining	198	198	–	–	194	174	15	5	24	76	42
Construction	297	293	–	–	293	216	51	26	32	71	74
Manufacturing	3 675	3 623	16	10	3 499	1 918	861	720	486	1 194	1 423
Durable goods	831	821	5	–	811	494	179	138	149	412	387
Logging	–	–	–	–	–	–	–	–	–	–	14
Sawmills, planing mills, and millwork	8	8	–	–	8	–	8	–	6	–	20
Miscellaneous wood products	52	52	–	–	52	52	–	–	–	13	17
Furniture and fixtures	17	17	–	–	17	6	11	–	6	6	7
Stone, clay, and glass products	15	15	–	–	15	11	4	–	–	5	4
Cement, concrete, gypsum, and plaster products	11	11	–	–	11	7	4	–	–	–	–
Primary iron and steel industries	64	64	–	–	64	58	6	–	8	22	5
Primary nonferrous industries	45	45	–	–	40	31	4	5	4	6	20
Fabricated metal industries, including not specified metal	58	58	–	–	58	35	9	14	16	21	25
Machinery, except electrical	131	131	–	–	131	67	32	32	9	57	45
Office, accounting, and computing machines	44	44	–	–	44	23	17	4	–	30	10
Electrical machinery, equipment, and supplies	240	235	–	–	235	142	54	39	29	129	85
Radio, television, and communication equipment	17	17	–	–	17	13	–	4	12	13	23
Motor vehicles and motor vehicle equipment	6	6	–	–	6	6	–	–	5	4	10
Aircraft and parts	33	33	–	–	33	22	5	6	–	40	15
Other transportation equipment	12	12	–	–	12	12	–	–	6	4	5
Professional and photographic equipment, and watches	14	14	–	–	9	5	–	4	17	28	38
Ordnance	9	9	–	–	9	5	4	–	–	6	11
Miscellaneous manufactures and durable goods—allocated	127	122	5	–	122	42	42	38	43	71	66
Nondurable goods	2 822	2 780	11	10	2 666	1 405	682	579	337	761	1 033
Meat products	75	75	–	–	75	53	5	17	10	32	30
Canning and preserving produce, seafoods, and beverages	165	165	–	5	149	73	50	26	24	60	104
Bakery products	94	94	–	–	94	41	28	25	4	5	26
Other food industries	419	403	–	–	379	143	88	148	33	81	250
Yarn, thread, and fabric mills	56	56	–	–	56	40	6	10	5	17	12
Other textile mill products	67	67	–	–	67	37	20	10	27	15	15
Apparel and other fabricated textile products	1 192	1 177	–	5	1 131	622	318	191	147	361	310
Paper and allied products	33	33	–	–	28	15	13	–	23	14	32
Printing, publishing, and allied industries	524	524	–	–	501	296	96	109	42	111	144
Chemicals and allied products	17	17	–	–	17	5	10	2	–	16	–
Petroleum and coal products	20	20	–	–	20	9	6	5	5	–	–
Rubber and miscellaneous plastic products	16	16	–	–	16	5	–	11	–	26	–
Footwear, except rubber	–	–	–	–	–	–	–	–	–	–	6
Other nondurable goods	144	133	11	–	133	66	42	25	17	23	104
Not specified manufacturing industries	22	22	–	–	22	19	–	3	–	21	3
Transportation, communications, and other public utilities[1]	991	981	5	–	952	649	211	92	216	275	234
Railroads and railway express service	93	93	–	–	88	74	14	–	54	45	16
Street railways and bus lines	65	65	–	–	65	11	44	10	6	4	–
Trucking service and warehousing	51	46	–	–	51	45	–	6	33	16	33
Water transportation	33	33	–	–	33	4	23	6	–	6	–
Air transportation	18	18	–	–	10	10	–	–	–	–	10
All other transportation	57	57	–	–	53	38	3	12	–	8	13
Communications	428	423	5	–	418	276	89	53	99	139	118
Electric and gas utilities	212	212	–	–	204	169	30	5	24	52	33
Water supply, sanitary services, and other utilities	20	20	–	–	20	17	3	–	–	5	5
Wholesale and retail trade	9 166	9 127	15	16	8 648	4 632	1 809	2 207	1 184	3 114	3 508
Wholesale trade	611	611	–	–	597	376	134	87	128	187	209
Food and farm products	150	150	–	–	150	89	38	23	37	75	84
Retail trade	8 555	8 516	15	16	8 051	4 256	1 675	2 120	1 056	2 927	3 299
Hardware, farm equipment, and building material retailing	230	230	–	–	230	162	37	31	25	37	59
General merchandise stores	1 712	1 699	8	5	1 636	934	321	381	240	668	719
Food stores	1 201	1 201	–	–	1 150	656	228	266	125	333	286
Motor vehicles and accessories retailing	180	180	–	–	166	127	6	33	20	23	41
Gasoline service stations	96	83	3	–	96	39	28	29	15	16	19
Apparel and accessories stores	758	754	4	–	741	420	152	169	106	297	307
Furniture, home furnishings, and equipment stores	203	203	–	–	182	104	36	42	14	53	67
Eating and drinking places	2 519	2 514	–	11	2 295	1 021	558	716	324	1 043	1 188
Drugstores	361	361	–	–	361	187	40	134	37	83	102
Other retail trade	1 295	1 291	–	–	1 194	606	269	319	150	374	511
Finance, insurance, and real estate	1 472	1 472	–	–	1 450	1 000	261	189	280	476	467
Banking and credit agencies	727	727	–	–	725	542	100	83	118	267	229
Insurance	435	435	–	–	432	280	100	52	103	96	124
Other finance and real estate	310	310	–	–	293	178	61	54	59	113	114
Business and repair services	495	492	–	–	447	247	127	73	54	193	217
Advertising	18	18	–	–	18	18	–	–	6	15	–
Commercial research, management, and programing services	68	68	–	–	54	15	18	21	–	27	29
Automobile services	69	69	–	–	61	47	5	9	6	14	16
Other business and repair services	340	337	–	–	314	167	104	43	42	137	172
Personal services	3 264	3 243	12	–	2 973	1 406	613	954	571	1 176	1 454
Private households	1 139	1 134	–	–	992	338	216	438	230	416	577
Hotels and lodging places	854	854	–	–	805	352	156	297	149	403	515
Laundering, cleaning, and other garment services	428	416	12	–	393	299	56	38	106	169	116
Barber and beauty shops	501	497	–	–	466	267	104	95	58	158	99
Other personal services	342	342	–	–	317	150	81	86	28	30	147
Entertainment and recreation services	219	214	5	–	192	73	49	70	12	88	253
Professional and related services	13 565	13 389	64	11	12 911	6 155	4 038	2 718	1 259	2 739	3 130
Health services	6 569	6 522	6	5	6 209	3 558	1 264	1 387	613	1 491	1 479
Educational services, government	3 838	3 798	25	6	3 691	1 210	1 784	697	400	656	853
Educational services, private	1 150	1 099	14	–	1 121	277	576	268	77	183	239
Welfare, religious, and nonprofit membership organizations	1 066	1 039	12	–	1 007	665	178	164	89	253	294
Other professional and related services	942	931	7	–	883	445	236	202	80	156	265
Public administration[1]	1 274	1 246	11	6	1 123	734	172	217	108	283	490
Postal service	131	128	–	–	126	78	20	28	4	35	75
Federal public administration	487	462	11	6	377	232	71	74	46	75	118
State and local public administration	637	637	–	–	601	405	81	115	58	173	254
Unemployed persons, last worked 1959 or earlier[2]	172	172	–	–	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
MADISON SMSA											
Male, 16 years old and over	**73 785**	**72 562**	**550**	**509**	**72 941**	**50 890**	**15 423**	**6 628**	**1 088**	**3 278**	**13 053**
Agriculture, forestry, and fisheries	**4 299**	**4 275**	**13**	**15**	**4 233**	**3 489**	**460**	**284**	**129**	**250**	**897**
Agriculture	4 160	4 136	13	15	4 094	3 381	446	267	123	240	863
Forestry and fisheries	139	139	–	–	139	108	14	17	6	10	34
Mining	**124**	**124**	**–**	**–**	**124**	**72**	**52**	**–**	**11**	**20**	**28**
Construction	**6 304**	**6 265**	**29**	**33**	**6 272**	**4 102**	**1 873**	**297**	**121**	**312**	**1 168**
Manufacturing	**12 336**	**12 149**	**132**	**66**	**12 237**	**9 403**	**2 030**	**804**	**244**	**786**	**2 907**
Durable goods	6 013	5 915	70	43	5 966	4 503	1 130	333	107	374	1 388
Logging	–	–	–	–	–	–	–	–	–	–	5
Sawmills, planing mills, and millwork	74	74	–	–	74	47	16	11	–	5	38
Miscellaneous wood products	4	4	–	–	4	4	–	–	–	–	5
Furniture and fixtures	315	315	–	–	315	245	65	5	4	16	64
Stone, clay, and glass products	406	406	–	–	406	296	71	39	–	23	81
Cement, concrete, gypsum, and plaster products	229	229	–	–	229	154	57	18	–	8	47
Primary iron and steel industries	72	72	–	–	72	44	16	12	–	12	72
Primary nonferrous industries	419	407	12	14	413	320	71	22	15	14	40
Fabricated metal industries, including not specified metal	388	384	4	5	388	334	54	–	9	33	191
Machinery, except electrical	2 115	2 080	35	6	2 115	1 686	348	81	48	166	400
Office, accounting, and computing machines	68	68	–	–	68	57	5	6	–	10	–
Electrical machinery, equipment, and supplies	876	864	6	18	866	645	181	40	4	24	148
Radio, television, and communication equipment	54	54	–	–	54	30	12	12	–	–	16
Motor vehicles and motor vehicle equipment	270	259	–	–	270	107	138	25	–	37	89
Aircraft and parts	9	9	–	–	9	9	–	–	–	5	9
Other transportation equipment	75	75	–	–	69	42	12	15	–	–	21
Professional and photographic equipment, and watches	439	436	3	–	434	372	42	20	4	10	30
Ordnance	105	94	6	–	105	72	19	14	–	–	29
Miscellaneous manufactures and durable goods—allocated	446	436	4	–	426	280	97	49	23	29	166
Nondurable goods	6 269	6 180	62	23	6 217	4 868	878	471	137	406	1 481
Meat products	2 363	2 342	21	7	2 354	1 984	297	73	42	121	160
Canning and preserving produce, seafoods, and beverages	368	368	–	–	363	259	58	46	–	31	300
Bakery products	159	159	–	–	159	100	38	21	–	10	35
Other food industries	810	810	–	8	798	626	90	82	14	38	172
Yarn, thread, and fabric mills	16	16	–	–	16	16	–	–	–	–	30
Other textile mill products	173	173	–	–	169	153	16	–	–	11	13
Apparel and other fabricated textile products	31	31	–	–	31	26	5	–	–	–	14
Paper and allied products	140	132	4	–	140	95	20	25	–	47	185
Printing, publishing, and allied industries	1 231	1 208	16	8	1 216	922	159	135	18	75	225
Chemicals and allied products	418	406	12	–	418	311	75	32	28	17	152
Petroleum and coal products	17	17	–	–	17	17	–	–	–	11	6
Rubber and miscellaneous plastic products	154	149	–	–	154	100	35	19	5	4	51
Footwear, except rubber	21	21	–	–	21	15	6	–	–	–	23
Other nondurable goods	368	348	9	–	361	244	79	38	30	41	115
Not specified manufacturing industries	54	54	–	–	54	32	22	–	–	6	38
Transportation, communications, and other public utilities[1]	**4 511**	**4 456**	**42**	**13**	**4 480**	**3 368**	**900**	**212**	**88**	**145**	**606**
Railroads and railway express service	232	232	–	–	229	126	93	10	37	49	84
Street railways and bus lines	335	321	14	–	335	251	78	6	4	–	16
Trucking service and warehousing	991	991	–	–	985	727	217	41	–	20	155
Water transportation	37	37	–	–	37	11	11	15	–	–	26
Air transportation	140	140	–	–	140	125	15	–	–	5	10
All other transportation	210	210	–	7	204	86	92	26	–	18	66
Communications	1 335	1 316	19	6	1 331	1 072	224	35	10	11	71
Electric and gas utilities	702	698	4	–	698	614	63	21	22	16	62
Water supply, sanitary services, and other utilities	292	292	–	–	292	246	42	4	5	22	50
Wholesale and retail trade	**14 822**	**14 696**	**54**	**81**	**14 592**	**9 544**	**3 007**	**2 041**	**177**	**525**	**2 616**
Wholesale trade	3 320	3 280	14	23	3 303	2 661	434	208	31	89	495
Food and farm products	795	781	8	4	783	607	111	65	9	17	169
Retail trade	11 502	11 416	40	58	11 289	6 883	2 573	1 833	146	436	2 121
Hardware, farm equipment, and building material retailing	822	822	–	–	817	630	152	35	10	26	115
General merchandise stores	939	939	–	–	928	544	208	176	11	40	190
Food stores	1 551	1 551	–	17	1 524	950	306	268	31	71	363
Motor vehicles and accessories retailing	1 259	1 259	–	–	1 248	1 019	163	66	8	61	84
Gasoline service stations	1 135	1 130	–	–	1 113	621	286	206	12	10	186
Apparel and accessories stores	539	535	4	8	529	310	136	83	9	22	98
Furniture, home furnishings, and equipment stores	632	617	10	6	620	443	136	41	15	14	72
Eating and drinking places	2 452	2 407	23	17	2 396	1 104	685	607	30	109	607
Drugstores	417	407	3	–	406	274	91	41	5	17	53
Other retail trade	1 756	1 749	–	10	1 708	988	410	310	15	66	353
Finance, insurance, and real estate	**3 242**	**3 224**	**15**	**–**	**3 232**	**2 525**	**484**	**223**	**42**	**106**	**257**
Banking and credit agencies	624	614	10	–	624	505	83	36	22	24	54
Insurance	1 715	1 715	–	–	1 710	1 423	218	69	16	54	85
Other finance and real estate	903	895	5	–	898	597	183	118	4	28	118
Business and repair services	**2 226**	**2 198**	**28**	**7**	**2 204**	**1 509**	**443**	**252**	**20**	**66**	**347**
Advertising	137	137	–	–	137	115	17	5	–	5	43
Commercial research, management, and programing services	437	433	4	7	428	298	105	25	–	9	30
Automobile services	617	612	5	–	612	424	85	103	5	5	78
Other business and repair services	1 035	1 016	19	–	1 027	672	236	119	15	47	196
Personal services	**1 458**	**1 423**	**14**	**20**	**1 438**	**880**	**259**	**299**	**30**	**148**	**532**
Private households	116	112	4	–	116	32	19	65	–	9	69
Hotels and lodging places	542	537	5	20	527	263	135	129	16	74	342
Laundering, cleaning, and other garment services	259	238	5	–	259	191	32	36	–	39	37
Barber and beauty shops	282	282	–	–	282	238	44	–	10	20	7
Other personal services	259	254	–	–	254	156	29	69	4	6	77
Entertainment and recreation services	**442**	**437**	**–**	**16**	**418**	**207**	**108**	**103**	**5**	**55**	**501**
Professional and related services	**17 845**	**17 190**	**194**	**233**	**17 574**	**10 498**	**5 167**	**1 909**	**98**	**645**	**2 376**
Health services	2 850	2 754	53	39	2 830	1 921	608	301	41	143	363
Educational services, government	10 641	10 168	98	156	10 462	5 960	3 431	1 071	26	322	1 228
Educational services, private	823	801	6	7	799	388	285	126	–	48	203
Welfare, religious, and nonprofit membership organizations	1 222	1 208	9	–	1 212	746	326	140	21	58	152
Other professional and related services	2 309	2 259	28	31	2 271	1 483	517	271	10	74	430
Public administration[1]	**6 166**	**6 115**	**29**	**25**	**6 137**	**5 293**	**640**	**204**	**123**	**220**	**818**
Postal service	848	841	7	–	843	819	24	–	17	28	65
Federal public administration	880	865	–	5	870	773	76	21	29	91	309
State and local public administration	4 317	4 288	22	20	4 303	3 616	509	178	77	96	397
Unemployed persons, last worked 1959 or earlier[2]	**10**	**10**	**–**	**–**	**...**	**...**	**...**	**...**	**...**	**...**	**...**

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
MADISON SMSA—Continued											
Female, 16 years old and over	**52 965**	**52 131**	**452**	**271**	**51 199**	**25 077**	**16 633**	**9 489**	**3 478**	**9 130**	**15 872**
Agriculture, forestry, and fisheries	**793**	**783**	**4**	**–**	**732**	**553**	**124**	**55**	**24**	**58**	**250**
Agriculture	771	761	4	–	710	531	124	55	24	52	245
Forestry and fisheries	22	22	–	–	22	22	–	–	–	6	5
Mining	**29**	**29**	**–**	**–**	**29**	**15**	**5**	**9**	**–**	**–**	**6**
Construction	**411**	**411**	**–**	**–**	**404**	**274**	**93**	**37**	**23**	**67**	**113**
Manufacturing	**4 179**	**4 129**	**28**	**33**	**4 055**	**2 530**	**1 093**	**432**	**396**	**931**	**1 719**
Durable goods	1 835	1 808	14	33	1 768	1 074	532	162	133	425	772
Logging	–	–	–	–	–	–	–	–	–	–	–
Sawmills, planing mills, and millwork	14	14	–	–	14	8	–	6	–	4	10
Miscellaneous wood products	–	–	–	–	–	–	–	–	–	–	–
Furniture and fixtures	216	216	–	–	211	124	76	11	5	66	80
Stone, clay, and glass products	219	214	5	–	212	135	72	5	5	19	10
Cement, concrete, gypsum, and plaster products	34	34	–	–	27	18	9	–	–	–	–
Primary iron and steel industries	16	16	–	–	16	11	–	5	–	–	–
Primary nonferrous industries	80	80	–	6	80	44	15	21	16	–	41
Fabricated metal industries, including not specified metal	134	134	–	–	134	90	33	11	25	27	41
Machinery, except electrical	272	272	–	10	260	164	63	33	5	69	97
Office, accounting, and computing machines	31	31	–	–	25	25	–	–	–	5	10
Electrical machinery, equipment, and supplies	519	515	4	15	488	268	175	45	41	146	207
Radio, television, and communication equipment	16	16	–	–	10	10	–	–	5	16	25
Motor vehicles and motor vehicle equipment	36	36	–	–	36	20	16	–	7	11	23
Aircraft and parts	5	5	–	–	5	–	–	5	–	–	4
Other transportation equipment	8	8	–	–	8	4	4	–	6	–	4
Professional and photographic equipment, and watches	163	151	5	2	163	125	38	–	5	10	83
Ordnance	12	12	–	–	12	6	6	–	–	11	21
Miscellaneous manufactures and durable goods—allocated	141	135	–	–	129	75	34	20	18	62	151
Nondurable goods	2 307	2 284	14	–	2 250	1 440	545	265	246	506	923
Meat products	666	656	10	–	659	486	138	35	29	109	52
Canning and preserving produce, seafoods, and beverages	150	145	–	–	140	62	52	26	14	34	131
Bakery products	74	74	–	–	74	41	15	18	–	4	25
Other food industries	287	283	–	–	279	162	89	28	58	88	137
Yarn, thread, and fabric mills	17	17	–	–	17	10	7	–	–	–	10
Other textile mill products	16	16	–	–	16	11	–	5	4	5	–
Apparel and other fabricated textile products	37	37	–	–	37	11	5	21	10	13	32
Paper and allied products	39	39	–	–	39	20	13	6	22	10	72
Printing, publishing, and allied industries	661	661	–	–	651	414	160	77	45	138	241
Chemicals and allied products	153	153	–	–	148	108	22	18	20	28	42
Petroleum and coal products	–	–	–	–	–	–	–	–	–	–	11
Rubber and miscellaneous plastic products	77	77	–	–	69	28	25	16	–	12	31
Footwear, except rubber	41	41	–	–	41	34	7	–	21	26	27
Other nondurable goods	89	85	4	–	80	53	12	15	23	39	112
Not specified manufacturing industries	37	37	–	–	37	16	16	5	17	–	24
Transportation, communications, and other public utilities[1]	**1 435**	**1 405**	**25**	**–**	**1 403**	**811**	**378**	**214**	**165**	**269**	**408**
Railroads and railway express service	34	34	–	–	34	25	9	–	–	–	5
Street railways and bus lines	90	90	–	–	90	5	74	11	4	5	5
Trucking service and warehousing	95	95	–	–	95	63	22	10	11	43	33
Water transportation	3	3	–	–	3	3	–	–	4	5	5
Air transportation	38	38	–	–	38	21	11	6	10	8	18
All other transportation	63	63	–	–	58	38	9	11	6	5	13
Communications	924	894	25	–	897	530	215	152	92	178	283
Electric and gas utilities	106	106	–	–	106	66	26	14	28	20	31
Water supply, sanitary services, and other utilities	24	24	–	–	24	18	–	6	–	–	5
Wholesale and retail trade	**10 602**	**10 539**	**31**	**34**	**10 103**	**4 497**	**3 142**	**2 464**	**770**	**2 221**	**4 171**
Wholesale trade	1 013	1 007	6	–	994	590	248	156	52	227	316
Food and farm products	235	235	–	–	230	142	61	27	19	64	123
Retail trade	9 589	9 532	25	34	9 109	3 907	2 894	2 308	718	1 994	3 855
Hardware, farm equipment, and building material retailing	276	276	–	–	270	144	89	37	40	37	69
General merchandise stores	2 200	2 191	–	8	2 108	864	575	669	223	586	900
Food stores	1 153	1 149	–	–	1 106	539	376	191	77	283	476
Motor vehicles and accessories retailing	197	197	–	–	188	88	65	35	4	22	23
Gasoline service stations	57	57	–	–	57	44	5	8	–	–	14
Apparel and accessories stores	856	852	–	5	840	346	289	205	94	161	317
Furniture, home furnishings, and equipment stores	203	198	–	–	181	93	73	15	32	25	38
Eating and drinking places	2 498	2 484	14	–	2 359	864	791	704	167	552	1 250
Drugstores	568	564	4	–	534	207	200	127	24	94	186
Other retail trade	1 581	1 564	7	21	1 466	718	431	317	57	234	582
Finance, insurance, and real estate	**3 576**	**3 547**	**23**	**7**	**3 508**	**2 211**	**779**	**518**	**378**	**574**	**847**
Banking and credit agencies	1 187	1 163	18	–	1 167	718	252	197	74	182	283
Insurance	1 789	1 789	–	7	1 751	1 138	403	210	249	309	326
Other finance and real estate	600	595	5	–	590	355	124	111	55	83	238
Business and repair services	**912**	**899**	**8**	**–**	**871**	**424**	**247**	**200**	**40**	**178**	**355**
Advertising	88	88	–	–	82	38	22	22	4	11	28
Commercial research, management, and programing services	259	259	–	–	249	124	87	38	–	41	66
Automobile services	68	68	–	–	62	29	28	5	–	26	9
Other business and repair services	497	484	8	–	478	233	110	135	36	100	252
Personal services	**3 482**	**3 403**	**57**	**19**	**3 318**	**1 333**	**1 173**	**812**	**287**	**643**	**1 305**
Private households	1 108	1 087	17	12	1 050	275	438	337	88	164	328
Hotels and lodging places	992	968	19	–	961	370	309	282	61	233	537
Laundering, cleaning, and other garment services	499	482	4	–	476	262	121	93	56	98	178
Barber and beauty shops	474	474	–	7	457	257	158	42	56	94	100
Other personal services	409	392	17	–	374	169	147	58	26	54	162
Entertainment and recreation services	**307**	**307**	**–**	**–**	**281**	**76**	**111**	**94**	**32**	**110**	**463**
Professional and related services	**23 052**	**22 532**	**241**	**140**	**22 440**	**9 901**	**8 515**	**4 024**	**1 131**	**3 338**	**5 430**
Health services	8 288	8 137	90	45	8 105	4 738	2 102	1 265	405	1 172	1 740
Educational services, government	9 966	9 704	109	50	9 807	3 165	4 769	1 873	476	1 308	2 216
Educational services, private	1 509	1 471	12	11	1 456	346	798	312	104	278	468
Welfare, religious, and nonprofit membership organizations	1 275	1 247	15	6	1 239	746	282	211	67	275	352
Other professional and related services	2 014	1 973	15	28	1 833	906	564	363	79	305	654
Public administration[1]	**4 168**	**4 128**	**35**	**38**	**4 055**	**2 452**	**973**	**630**	**232**	**741**	**805**
Postal service	179	174	5	–	175	92	43	40	5	30	45
Federal public administration	517	507	10	23	500	352	136	12	61	164	112
State and local public administration	3 375	3 350	20	15	3 283	1 951	773	559	166	547	565
Unemployed persons, last worked 1959 or earlier[2]	**19**	**19**	**–**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
MILWAUKEE SMSA											
Male, 16 years old and over	**361 615**	**339 058**	**20 725**	**5 037**	**357 468**	**266 916**	**67 625**	**22 927**	**8 361**	**17 364**	**31 025**
Agriculture, forestry, and fisheries	**5 168**	**4 957**	**211**	**43**	**5 080**	**3 980**	**688**	**412**	**195**	**472**	**1 349**
Agriculture	4 835	4 627	208	37	4 747	3 694	648	405	195	441	1 316
Forestry and fisheries	333	330	3	6	333	286	40	7	–	31	33
Mining	**606**	**568**	**38**	**5**	**606**	**478**	**116**	**12**	**11**	**45**	**45**
Construction	**25 944**	**24 483**	**1 308**	**167**	**25 648**	**15 692**	**8 846**	**1 110**	**659**	**1 243**	**2 412**
Manufacturing	**154 961**	**142 792**	**11 421**	**3 058**	**153 582**	**122 674**	**24 387**	**6 521**	**4 122**	**8 056**	**9 307**
Durable goods	120 557	110 862	9 095	2 290	119 535	96 214	18 679	4 642	3 252	6 276	6 502
Logging	19	15	4	–	19	–	14	5	5	–	14
Sawmills, planing mills, and millwork	377	367	10	–	377	219	96	62	31	32	53
Miscellaneous wood products	266	250	16	7	260	182	47	31	16	9	52
Furniture and fixtures	794	776	14	19	785	589	144	52	19	29	96
Stone, clay, and glass products	1 772	1 682	78	20	1 762	1 383	301	78	60	78	130
Cement, concrete, gypsum, and plaster products	1 053	992	49	9	1 048	816	198	34	27	31	87
Primary iron and steel industries	12 837	10 801	1 995	650	12 690	9 867	2 376	447	456	760	660
Primary nonferrous industries	2 253	2 055	165	211	2 228	1 792	345	91	20	59	113
Fabricated metal industries, including not specified metal	13 307	12 533	714	218	13 226	10 542	1 995	689	281	675	771
Machinery, except electrical	44 648	42 495	1 985	642	44 348	36 825	6 032	1 491	1 169	2 270	2 051
Office, accounting, and computing machines	383	373	10	–	383	326	48	9	5	–	4
Electrical machinery, equipment, and supplies	21 033	20 411	490	223	20 938	17 590	2 609	739	353	755	829
Radio, television, and communication equipment	2 675	2 631	26	5	2 675	2 399	230	46	15	66	56
Motor vehicles and motor vehicle equipment	10 428	8 597	1 797	123	10 361	7 739	2 357	265	456	938	522
Aircraft and parts	90	77	8	–	90	66	18	6	3	–	25
Other transportation equipment	1 883	1 740	128	18	1 871	1 418	378	75	56	84	69
Professional and photographic equipment, and watches	2 676	2 568	76	70	2 666	2 210	365	91	69	77	97
Ordnance	460	448	12	–	460	405	45	10	6	14	19
Miscellaneous manufactures and durable goods—allocated	7 714	6 047	1 603	89	7 454	5 387	1 557	510	252	496	1 001
Nondurable goods	33 524	31 119	2 257	736	33 171	25 742	5 585	1 844	815	1 692	2 720
Meat products	1 556	1 296	256	47	1 530	1 228	246	56	108	120	114
Canning and preserving produce, seafoods, and beverages	7 071	6 733	330	32	7 061	5 460	1 429	172	178	407	480
Bakery products	938	886	52	44	938	700	167	71	27	34	74
Other food industries	2 391	2 260	127	32	2 379	1 961	309	109	52	136	128
Yarn, thread, and fabric mills	150	134	16	–	145	65	65	15	–	16	25
Other textile mill products	669	624	35	41	655	465	131	59	5	–	33
Apparel and other fabricated textile products	450	433	17	4	444	349	63	32	14	28	50
Paper and allied products	2 914	2 696	186	124	2 886	2 357	408	121	41	80	203
Printing, publishing, and allied industries	8 573	8 333	212	63	8 492	6 686	1 291	515	127	401	656
Chemicals and allied products	2 735	2 638	90	66	2 705	2 227	367	111	65	127	205
Petroleum and coal products	282	282	–	–	282	245	17	20	4	13	15
Rubber and miscellaneous plastic products	1 238	1 211	22	14	1 224	840	249	135	–	26	154
Footwear, except rubber	777	729	40	29	765	583	143	39	36	109	105
Other nondurable goods	3 780	2 864	874	240	3 665	2 576	700	389	158	195	478
Not specified manufacturing industries	880	811	69	32	876	718	123	35	55	88	85
Transportation, communications, and other public utilities[1]	**26 175**	**24 724**	**1 342**	**222**	**26 040**	**20 927**	**4 125**	**988**	**899**	**1 548**	**1 678**
Railroads and railway express service	3 378	3 216	158	50	3 330	2 656	557	117	226	351	239
Street railways and bus lines	1 849	1 770	79	19	1 849	1 502	248	99	40	140	93
Trucking service and warehousing	7 680	7 445	170	57	7 652	5 923	1 426	303	125	319	466
Water transportation	479	348	125	6	479	126	301	52	13	11	95
Air transportation	621	601	20	4	621	539	50	32	7	16	42
All other transportation	843	773	66	6	839	559	240	40	20	55	63
Communications	3 285	3 188	86	20	3 275	2 789	386	100	79	134	146
Electric and gas utilities	3 917	3 827	71	36	3 906	3 568	267	71	141	274	142
Water supply, sanitary services, and other utilities	2 617	2 360	257	–	2 607	2 233	280	94	149	156	215
Wholesale and retail trade	**64 879**	**61 796**	**2 810**	**576**	**63 682**	**43 978**	**12 148**	**7 556**	**1 194**	**2 530**	**7 308**
Wholesale trade	19 712	18 775	852	181	19 518	15 893	2 767	858	394	655	1 194
Food and farm products	3 370	3 248	110	23	3 346	2 700	509	137	124	162	168
Retail trade	45 167	43 021	1 958	395	44 164	28 085	9 381	6 698	800	1 875	6 114
Hardware, farm equipment, and building material retailing	2 110	2 064	41	17	2 097	1 528	412	157	113	77	191
General merchandise stores	5 432	5 214	204	50	5 367	3 590	954	823	116	249	518
Food stores	7 739	7 466	268	98	7 606	4 983	1 492	1 131	156	305	1 064
Motor vehicles and accessories retailing	4 612	4 351	242	40	4 577	3 495	800	282	32	90	228
Gasoline service stations	3 991	3 852	135	35	3 866	2 046	1 013	807	51	91	578
Apparel and accessories stores	1 967	1 842	125	11	1 933	1 205	411	317	36	109	181
Furniture, home furnishings, and equipment stores	2 829	2 758	68	19	2 800	2 140	482	178	41	103	164
Eating and drinking places	8 625	8 097	401	65	8 239	4 074	2 104	2 061	168	417	2 123
Drugstores	1 080	1 051	26	13	1 066	700	224	142	4	50	125
Other retail trade	6 782	6 326	448	47	6 613	4 324	1 489	800	83	384	942
Finance, insurance, and real estate	**13 002**	**12 689**	**290**	**127**	**12 902**	**10 490**	**1 734**	**678**	**238**	**528**	**813**
Banking and credit agencies	3 042	3 007	35	33	3 019	2 551	302	166	58	146	193
Insurance	5 564	5 444	120	57	5 543	4 628	665	250	62	177	231
Other finance and real estate	4 396	4 238	135	37	4 340	3 311	767	262	118	205	387
Business and repair services	**11 037**	**10 568**	**411**	**186**	**10 822**	**7 459**	**2 194**	**1 169**	**207**	**400**	**1 097**
Advertising	1 027	1 027	–	–	1 023	829	164	30	17	18	41
Commercial research, management, and programing services	951	925	21	8	942	747	133	62	9	17	62
Automobile services	2 762	2 580	178	40	2 693	1 729	569	395	61	76	308
Other business and repair services	6 297	6 036	212	138	6 164	4 154	1 328	682	120	289	686
Personal services	**5 436**	**4 810**	**537**	**66**	**5 318**	**3 661**	**1 216**	**441**	**185**	**468**	**1 029**
Private households	351	310	41	–	331	200	71	60	31	83	217
Hotels and lodging places	1 101	976	109	8	1 068	571	360	137	46	135	393
Laundering, cleaning, and other garment services	1 447	1 284	128	27	1 420	1 050	264	106	31	80	123
Barber and beauty shops	1 143	1 058	71	31	1 131	869	216	46	22	72	40
Other personal services	1 394	1 182	188	–	1 368	971	305	92	55	98	256
Entertainment and recreation services	**2 728**	**2 617**	**76**	**17**	**2 668**	**1 192**	**808**	**668**	**71**	**228**	**1 330**
Professional and related services	**33 920**	**32 156**	**1 479**	**374**	**33 514**	**20 707**	**9 888**	**2 919**	**264**	**1 005**	**2 848**
Health services	7 966	7 346	477	92	7 870	5 448	1 823	599	85	274	746
Educational services, government	10 454	9 979	398	99	10 376	4 712	4 849	815	28	222	639
Educational services, private	4 473	4 323	124	54	4 429	2 377	1 434	618	24	95	486
Welfare, religious, and nonprofit membership organizations	4 028	3 722	282	48	3 949	2 914	619	416	51	266	476
Other professional and related services	6 999	6 784	198	81	6 890	5 256	1 163	471	76	148	501
Public administration[1]	**17 675**	**16 837**	**786**	**182**	**17 606**	**15 678**	**1 475**	**453**	**316**	**841**	**1 811**
Postal service	4 340	4 033	286	76	4 331	3 840	367	124	57	171	199
Federal public administration	1 857	1 753	99	30	1 839	1 670	126	43	84	218	456
State and local public administration	10 908	10 563	319	71	10 876	9 737	864	275	165	427	999
Unemployed persons, last worked 1959 or earlier[2]	**84**	**63**	**16**	**14**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960–63	1964–68	1969–70
MILWAUKEE SMSA—Continued											
Female, 16 years old and over	231 136	213 309	16 640	2 298	222 447	119 051	66 776	36 620	19 554	46 330	51 116
Agriculture, forestry, and fisheries	1 289	1 147	142	–	1 221	842	217	162	89	261	451
Agriculture	1 215	1 079	136	–	1 147	779	211	157	78	247	432
Forestry and fisheries	74	68	6	–	74	63	6	5	11	14	19
Mining	70	70	–	–	70	44	18	8	16	16	21
Construction	1 746	1 714	26	24	1 691	1 164	331	196	124	334	399
Manufacturing	52 743	48 474	3 965	818	51 279	33 010	12 448	5 821	5 323	11 460	9 789
Durable goods	34 644	32 147	2 304	467	33 836	22 763	7 722	3 351	3 151	6 673	5 565
Logging	–	–	–	–	–	–	–	–	–	–	5
Sawmills, planing mills, and millwork	94	94	–	–	94	74	16	4	20	11	26
Miscellaneous wood products	75	70	5	–	75	57	18	–	–	14	19
Furniture and fixtures	338	338	–	21	318	196	66	56	24	117	93
Stone, clay, and glass products	547	468	79	9	545	328	144	73	27	162	112
Cement, concrete, gypsum, and plaster products	94	94	–	–	94	47	20	27	5	52	19
Primary iron and steel industries	1 380	1 334	46	15	1 361	1 080	196	85	152	283	134
Primary nonferrous industries	366	341	25	7	355	183	117	55	32	53	69
Fabricated metal industries, including not specified metal	4 686	4 413	227	47	4 555	2 925	1 185	445	339	791	737
Machinery, except electrical	9 580	9 102	457	62	9 443	6 673	1 974	796	791	1 656	1 203
Office, accounting, and computing machines	80	76	4	–	76	37	39	–	14	34	8
Electrical machinery, equipment, and supplies	10 965	10 098	806	138	10 755	7 270	2 364	1 121	1 143	2 051	1 804
Radio, television, and communication equipment	1 489	1 431	43	10	1 454	971	294	189	136	284	287
Motor vehicles and motor vehicle equipment	1 466	1 279	172	26	1 440	993	360	87	176	321	167
Aircraft and parts	8	8	–	–	8	8	–	–	5	20	8
Other transportation equipment	293	267	26	8	289	175	82	32	16	25	42
Professional and photographic equipment, and watches	1 394	1 360	34	35	1 355	926	317	112	89	295	209
Ordnance	636	618	13	60	630	375	193	62	24	165	84
Miscellaneous manufactures and durable goods—allocated	2 816	2 357	414	39	2 613	1 500	690	423	313	709	853
Nondurable goods	17 728	16 000	1 626	351	17 080	10 023	4 638	2 419	2 119	4 708	4 115
Meat products	497	451	46	–	493	357	91	45	77	163	82
Canning and preserving produce, seafoods, and beverages	1 240	1 178	56	20	1 225	885	176	164	236	288	307
Bakery products	574	514	56	–	559	332	153	74	80	258	163
Other food industries	1 021	906	99	23	985	654	190	141	153	323	211
Yarn, thread, and fabric mills	228	224	4	–	204	128	47	29	20	60	38
Other textile mill products	1 052	898	141	58	993	526	317	150	61	192	248
Apparel and other fabricated textile products	2 065	1 809	218	86	1 984	940	771	273	351	672	429
Paper and allied products	1 210	1 080	130	30	1 177	741	285	151	134	334	299
Printing, publishing, and allied industries	3 690	3 504	186	38	3 596	2 079	955	562	396	914	658
Chemicals and allied products	1 215	1 116	94	7	1 194	743	303	148	104	259	268
Petroleum and coal products	125	120	5	–	125	80	15	30	9	13	31
Rubber and miscellaneous plastic products	1 341	1 245	91	14	1 274	636	383	255	70	364	344
Footwear, except rubber	1 170	1 069	96	34	1 111	731	279	101	150	322	254
Other nondurable goods	2 300	1 886	404	41	2 160	1 191	673	296	278	546	783
Not specified manufacturing industries	371	327	35	–	363	224	88	51	53	79	109
Transportation, communications, and other public utilities[1]	6 771	6 347	417	45	6 577	4 301	1 438	838	884	1 737	1 259
Railroads and railway express service	227	222	5	–	222	178	26	18	45	133	48
Street railways and bus lines	463	458	5	–	447	96	242	109	10	73	61
Trucking service and warehousing	987	939	48	7	977	655	185	137	38	183	238
Water transportation	19	19	–	–	15	10	5	–	–	–	6
Air transportation	297	293	4	9	297	205	71	21	46	87	44
All other transportation	270	261	9	7	259	156	67	36	23	71	51
Communications	3 134	2 870	264	22	3 018	2 078	555	385	511	808	537
Electric and gas utilities	995	919	69	–	990	733	182	75	142	270	117
Water supply, sanitary services, and other utilities	138	138	–	–	127	107	15	5	5	14	31
Wholesale and retail trade	58 591	56 268	2 067	347	56 128	28 073	16 122	11 933	5 187	12 954	15 779
Wholesale trade	6 748	6 431	298	55	6 592	4 229	1 489	874	553	1 283	1 278
Food and farm products	1 098	1 033	56	12	1 080	615	261	204	127	218	250
Retail trade	51 843	49 837	1 769	292	49 536	23 844	14 633	11 059	4 634	11 671	14 501
Hardware, farm equipment, and building material retailing	689	684	5	6	664	390	175	99	55	131	203
General merchandise stores	16 786	16 191	543	123	16 308	8 098	4 830	3 380	1 518	4 549	4 762
Food stores	7 732	7 548	162	28	7 469	3 904	2 051	1 514	832	1 652	1 657
Motor vehicles and accessories retailing	1 010	986	13	6	996	624	222	150	73	124	228
Gasoline service stations	211	205	6	–	208	112	60	36	46	75	84
Apparel and accessories stores	3 615	3 477	126	–	3 540	1 662	1 136	742	367	831	835
Furniture, home furnishings, and equipment stores	1 406	1 337	63	6	1 359	661	420	278	103	260	310
Eating and drinking places	11 372	10 904	368	51	10 639	4 313	3 321	3 005	841	2 417	3 703
Drugstores	1 628	1 564	53	13	1 546	626	443	477	113	336	463
Other retail trade	7 394	6 943	430	59	6 807	3 454	1 975	1 378	686	1 296	2 256
Finance, insurance, and real estate	16 026	15 336	638	185	15 647	10 189	3 497	1 961	1 740	3 236	2 555
Banking and credit agencies	5 798	5 603	169	77	5 697	3 739	1 322	636	588	1 245	829
Insurance	6 626	6 282	318	65	6 491	4 285	1 302	904	861	1 370	1 029
Other finance and real estate	3 602	3 451	151	43	3 459	2 165	873	421	291	621	697
Business and repair services	5 155	4 871	254	50	4 951	2 485	1 374	1 092	424	1 162	2 073
Advertising	579	569	10	–	579	357	160	62	77	146	104
Commercial research, management, and programing services	748	718	21	13	719	318	208	193	53	143	250
Automobile services	300	279	13	–	290	132	66	92	40	50	134
Other business and repair services	3 528	3 305	210	37	3 363	1 678	940	745	254	823	1 585
Personal services	13 297	10 928	2 261	100	12 499	6 163	3 767	2 569	1 358	3 067	3 758
Private households	3 717	2 962	734	18	3 439	1 367	1 091	981	372	892	1 121
Hotels and lodging places	1 826	1 538	274	5	1 738	907	544	287	130	623	779
Laundering, cleaning, and other garment services	2 745	2 168	550	19	2 626	1 410	774	442	339	593	685
Barber and beauty shops	2 812	2 680	109	28	2 726	1 545	720	461	297	645	598
Other personal services	2 197	1 580	594	30	1 970	934	638	398	220	314	575
Entertainment and recreation services	1 998	1 951	33	–	1 914	645	699	570	166	460	977
Professional and related services	67 396	60 773	6 263	634	65 009	28 571	25 678	10 760	3 742	10 343	12 224
Health services	29 670	26 293	3 217	310	28 545	16 170	7 539	4 836	1 731	4 564	5 012
Educational services, government	17 578	16 317	1 175	149	17 168	3 749	10 545	2 874	926	2 778	3 026
Educational services, private	8 315	7 773	521	74	8 106	2 200	4 457	1 449	320	1 189	1 515
Welfare, religious, and nonprofit membership organizations	4 583	4 127	426	56	4 431	2 580	1 181	670	256	744	908
Other professional and related services	7 250	6 263	924	45	6 759	3 872	1 956	931	509	1 068	1 763
Public administration[1]	5 683	5 083	550	95	5 461	3 564	1 187	710	501	1 300	1 831
Postal service	1 211	991	213	22	1 173	695	283	195	43	294	387
Federal public administration	1 094	981	98	41	1 045	785	134	126	191	326	316
State and local public administration	3 055	2 885	158	32	2 961	1 929	687	345	220	632	959
Unemployed persons, last worked 1959 or earlier[2]	371	347	24	–	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.