
CHAPTER 7

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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CHAPTER 7.—GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

INTRODUCTION

In the Thirteenth (1910) Census report on "Occupation Statistics," the Bureau of the Census, for the first time, published detailed statistics showing, for each of the more important industries and for each service group (public service, professional service, and domestic and personal service) each occupation that was numerically important, with the workers in the occupation classified by sex, color, nativity, and age. The present chapter represents the second attempt by the Bureau to classify the gainful workers both by industry and by occupation.

Occupation classification.—The many thousands of occupational designations returned by the enumerators at the Fifteenth Census are included in one or another of the occupations classified under the different industries and service groups. In many cases, elementary occupations have been combined and are here presented as composite occupation groups, rather than as separate specific occupations. This is particularly true of the operatives and of the laborers. In each industry, most of the operatives are combined in a group designated "Operatives." But while the "Operatives" group in a given industry is a composite group, made up of the operatives in numerous elementary occupations, it is, nevertheless, a group that in many respects is occupationally homogeneous, since the persons comprising it are in the main workers belonging to the semiskilled class in that particular industry. Similarly, the group "Laborers" in a given industry is in many respects an occupationally homogeneous group.

Classification by general divisions.—The figures presented in this chapter for the different general divisions of industry (agriculture, forestry and fishing, extraction of minerals, etc.) are different from those presented for the general divisions of occupations in other Fifteenth Census occupation tables, for these reasons: In so far as it was practicable to make it such, the classification of gainful workers presented in the other occupation tables is primarily *occupational*. In the other tables all the workers in a specified occupation are grouped together without regard to the different industries in which the occupation is pursued; and each occupation, excepting clerical occupations, is classified in that part of the industrial field in which the occupation is most commonly pursued. For example, all electricians are grouped together and are classified under "Manufacturing and mechanical industries,"

though electricians are employed to some extent in almost every industry. Clerical occupations, which can scarcely be said to be more common in one part of the industrial field than in another, are made a separate class. In this industrial classification, on the other hand, all of the workers in each industry or service group included are counted under that industry or service group and then classified by occupation. The industries and service groups are in turn grouped under the nine general divisions of the industrial classification.¹

By way of illustration, it may be stated that the statistics for the industrial group, "Manufacturing and mechanical industries," as presented in this chapter, include all the workers in each manufacturing industry, while the statistics for the occupational group, "Manufacturing and mechanical industries," as presented in other occupation tables, do not include the clerical workers in manufacturing industries, nor the workers in certain other occupations, such as teamsters, lawyers, trained nurses, technical engineers, etc., not peculiar to, or not most commonly pursued in, manufacturing industries. On the other hand, the statistics for "Manufacturing and mechanical industries," as presented in the other occupation tables, include all blacksmiths, carpenters, machinists, and other followers of skilled hand trades, wherever employed, while in the statistics by industry, as here presented, many of the workers in these trades are included in other general divisions of industry.

The classification by general divisions of industry is the same in this chapter as in the Second Series Population Bulletins and in Volume III of the Fifteenth Census Reports on Population. In each case, the classification by general divisions is *industrial* rather than *occupational*, and in each case all the workers in a general division are classified thereunder, regardless of the occupations which the different workers pursue—whether productive, commercial, professional, or clerical. These figures differ somewhat, however, from those presented in the Second Series Bulletins and in Volume III, since the latter were compiled from a preliminary count—a count by sex and industry only—in which there was no opportunity to correct errors of occupation, sex, age, color, and nativity, which errors

¹ It is unfortunate, perhaps, that the designations of the industrial classification and the main subdivisions of the occupational classification are so nearly the same. It did not seem practicable, however, to formulate distinctive titles, since even the occupational classification is built on an industrial framework.

developed only when the workers in each industry were later counted by age, color, nativity, and occupation.

Occupations presented in five groups.—As stated in the note at the head of Table 2, the occupations in each industry are presented in most cases in five groups, as follows:

1. Proprietary, official, and supervisory pursuits.
2. Professional pursuits.
3. Clerical and kindred pursuits.
4. Skilled trades.
5. Other pursuits.

The several occupations making up these groups for a given industry are shown separately if the number of workers is 10 or more—or in the fifth group, 20 or more. Where, under any industry, the number of workers in an occupation is less than 10 (or for the fifth group, less than 20) the occupation is included in the residual class at the end of the group—except that where there is only one such occupation, it is usually shown in the regular way. In the residual class at the end of a group are also included, sometimes, occupations not definitely returned by the enumerators.

Statistics affected by indefinite returns.—Census enumerators sometimes returned an occupation satisfactorily but did not return definitely the industry in which the occupation was pursued. As a result, the coding clerks sometimes assigned occupations to the wrong industries. It is believed that the most flagrant of these cases have been discovered and changed. There may be some cases, however, in which occupations were not pursued in the industries in which they are shown, and some cases in which the actual number of workers in an occupation in a given industry was more or less than the number shown. And because

of other errors, some female workers may be shown in occupations they did not pursue.

The statistics in Table 2, admittedly, do not constitute a technically exact presentation of the different occupations pursued in each of the industries and service groups shown. They are, however, the nearest approach to this ideal which was practicable under the existing conditions and limitations of the enumeration and classification of occupations at the Fifteenth Census. Since there is a very real need for statistics relating to the occupations pursued in the different industries, however, it is believed that this table, with the limitations here pointed out, will, in use, fully justify this second attempt by the Bureau of the Census to present statistics of this kind.

Gainful workers.—The term "gainful workers," as here used, includes all persons 10 years old and over who usually follow a gainful occupation, even though they may not have been actually employed at the time the census was taken. It does not include women doing housework in their own homes, without wages, and having no other employment, nor children working at home, merely on general household work, on chores, or at odd times on other work. Statistics relating to women home-makers are presented in a series of bulletins and reports on "Families."

Color and nativity.—In the classification of gainful workers by color and nativity, four classes are distinguished, namely, (a) native white, that is, white persons born in the United States or any of its territories or possessions; (b) foreign-born white; (c) Negro, including both black and mulatto; (d) other races, comprising Mexicans, Indians, Chinese, Japanese, etc.

Age.—The age classification presented in Tables 1 and 2 is based on age at last birthday, that is, age in completed years.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY AGRICULTURE

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Agriculture	10,483,917	8,570,350	613,558	7,158,212	370,695	648,128	26,536	1,492,928	495,295	271,095	21,032
2 Farmers (owners and tenants).....	6,012,012	5,749,567	262,645	4,435,418	162,783	447,205	21,117	797,231	76,422	69,513	2,323
3 Farm managers and foremen.....	67,222	66,250	963	55,076	860	5,886	75	1,655	21	2,042	7
4 Chemists.....	69	68	1	61	1	5				2	
5 Civil engineers and surveyors.....	465	465		433		29				3	
6 Draftsmen.....	47	47		43		4					
7 Electrical engineers.....	15	15		14		1					
8 Mechanical engineers.....	145	145		128		17					
9 Other professional pursuits.....	7	7		6		1					
10 Accountants and auditors.....	228	200	28	173	25	24	3			3	
11 Agents (not elsewhere classified).....	71	68	3	62	3	6					
12 Bookkeepers and cashiers.....	2,282	988	1,294	904	1,240	64	40	2	7	18	7
13 Clerks.....	1,631	712	919	625	877	63	36	8	1	16	5
14 Collectors.....	32	23	9	21	9	2					
15 Commercial travelers.....	68	68		61		7					
16 Messenger, errand, and office boys and girls.....	28	19	9	16	9	2		1			
17 Purchasing agents.....	26	26		24		2					
18 Salesmen and saleswomen.....	264	225	39	197	37	20		3		5	2
19 Shipping clerks.....	121	107	14	94	13	12	1	1			
20 Stenographers and typists.....	1,343	55	1,288	49	1,239	4	42	2	3		4
21 Weighers.....	16	12	4	9	3	1	1			2	
22 Other clerical pursuits.....	42	36	6	34	6	2					
23 Blacksmiths.....	912	912		578		68		218		18	
24 Brick and stone masons.....	10	10		5		3		1		1	
25 Carpenters.....	571	571		436		98		32		5	
26 Coopers.....	10	10		6		2		2			
27 Cranemen, derrickmen, hoistmen, etc.....	74	74		71		2		1			
28 Electricians.....	131	131		114		12		4			
29 Engineers (stationary).....	818	818		688		101		16		13	
30 Machinists.....	437	437		380		49		2		6	
31 Mechanics (not otherwise specified).....	994	994		885		62		28		19	
32 Millwrights.....	13	13		11		2					
33 Painters, glaziers, and varnishers (building).....	24	24		22		2					
34 Plumbers and gas and steam fitters.....	96	96		67		24				5	
35 Other skilled trades.....	27	25	2	19	2	5		1			
36 Chauffeurs and truck and tractor drivers.....	253	253		205		28		16		4	
37 Farm laborers (wage workers).....	2,732,072	2,661,649	171,323	1,784,447	37,765	183,119	2,708	419,193	120,114	174,890	10,736
38 Farm laborers (unpaid family workers).....	1,650,792	1,184,784	475,008	875,450	165,820	11,239	2,513	274,476	208,727	23,619	7,948
39 Guards and watchmen.....	482	482		357		100		16		9	
40 Janitors.....	54	51	3	32	3	9		10			
41 Oilers of machinery.....	22	22		21		1					
42 All other occupations.....	91	91		70		13		7		1	

FORESTRY AND FISHING

Fishing	73,827	73,522	305	48,639	200	15,314	13	7,122	56	2,453	36
44 Fishermen and oystermen.....	73,280	73,071	209	48,286	112	15,220	5	7,106	56	2,450	36
45 Professional pursuits.....	12	12		11		1					
46 Accountants and auditors.....	24	24		20		4					
47 Bookkeepers and cashiers.....	93	58	35	46	29	12	6				
48 Clerks.....	60	38	12	29	12	8		1			
49 Shipping clerks.....	12	12		10						2	
50 Stenographers and typists.....	52	4	48	4	46		2				
51 Other clerical pursuits.....	41	40	1	30	1	8		1		1	
52 Carpenters.....	19	19		11		8					
53 Engineers (stationary).....	40	49		38		9		2			
54 Machinists.....	11	11		8		3					
55 Mechanics (not otherwise specified).....	21	21		17		2		2			
56 Other skilled trades.....	15	15		9		5		1			
57 Chauffeurs and truck and tractor drivers.....	56	56		47		3		6			
58 Guards and watchmen.....	65	65		45		18		2			
59 All other occupations.....	27	27		22		4		1			
Forestry	185,165	193,184	1,981	131,526	1,443	81,907	192	25,327	817	4,424	20
61 Owners and proprietors, log and timber camps.....	5,650	5,641	9	4,870	9	673		61		37	
62 Managers and officials, log and timber camps.....	1,249	1,243	1	1,109	1	133		5		1	
63 Foremen, log and timber camps.....	3,910	3,910		3,188		600		92		30	
64 Foresters, forest rangers, and timber cutters.....	8,057	8,042	15	7,344	13	504	2	34		70	
65 Civil engineers and surveyors.....	745	745		661		81		1		2	
66 Draftsmen.....	30	29	1	24	1	5					
67 Mechanical engineers.....	23	23		22		1					
68 Other professional pursuits.....	14	14		11		2		1			
69 Accountants and auditors.....	75	73	2	62	1	11	1				
70 Agents (not elsewhere classified).....	70	70		65		4		1			
71 Bookkeepers and cashiers.....	401	327	74	283	67	42	7	2			
72 Clerks.....	827	730	97	649	96	75	1	5		1	
73 Messenger, errand, and office boys and girls.....	10	10		9		1		1			
74 Purchasing agents.....	101	100	1	96	1	2		1		1	
75 Salesmen and saleswomen.....	21	21		20		1					
76 Shipping clerks.....	15	15		13		1		1			
77 Stenographers and typists.....	242	29	213	28	208		5	1			
78 Other clerical pursuits.....	20	19	1	14	1	5					

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930

AGRICULTURE

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
770,246	189,400	528,130	88,345	1,167,892	113,924	1,729,880	128,966	1,746,899	134,430	1,948,676	128,734	1,202,396	84,512	628,249	42,267	147,433	12,443	4,658	442	1
		48,535		340,571	4,814	1,058,726	20,998	1,356,315	53,828	1,333,711	75,347	980,919	62,237	508,251	34,493	110,992	10,757	2,347	171	2
		508		3,867	31	14,818	112	17,715	230	14,550	273	9,273	190	4,343	100	1,141	20	35	1	3
				10		30		15		12	1	1								4
				36		102		150		89		61		17		1		9		5
		3		14		16		6		4		3		1						6
				1		8		3		1		1		1						7
				15		50		37		30		9		4						8
						1				4		1		1						9
				2		10		52	5	30	13	22		7		1				10
				2		2		12	1	10	2	17		9		3				11
2	21	41	107	178	346	307	384	216	268	126	128	73	33	38	3	6	3	1	1	12
23	38	42	88	129	248	200	250	135	166	107	95	60	31	13	2	2		1	1	13
				7	3	4	1	3	2	6	1	2	2	1						14
				4		8		16		14		15		10						15
				1	4	7	2	8	2	1				1						16
																				17
1		3	1	10	9	51	12	51	7	34	7	40	2	27	1	1				18
		8	1	28	3	29	3	19	3	11	2	11	1	1						19
1	53	12	208	15	498	18	363	1	127	4	28	3	9	1						20
				2	1	3	1	1	2	5	5	1								21
2				3	1	9	2	9	1	6	1			5		1				22
																				23
		8		20		108		222		206		173		91		15				24
						2		2		4		2								25
		5		33		74		123		102		114		49		11				26
						2		1		2		2		2						27
1		1		13		28		37		4		3		2						28
		3		18		48		87		15		8		2						29
0		9		58		106		194		183		137		69		6				30
						104		124		83		54		13		1				31
		10		48		101		200		124		54		22		3				32
		27		130		361		2		1		5		1						33
		1		1		1		2		2		3								34
1		1		4		8		4		3		3		3						35
		1		11		23		19		27		13		3						36
				8		7		2		2		3								37
																				38
8		26		81		78		42		13		5		1						39
200,803	24,446	240,631	15,258	573,355	30,472	566,477	35,851	348,406	29,717	238,557	21,188	203,021	9,850	106,544	3,968	22,685	937	2,080	136	40
575,370	174,940	220,280	52,678	239,143	77,494	87,870	71,469	22,452	50,065	10,216	31,649	8,137	12,157	8,617	3,700	13	726	183	130	41
1		5		20		46		7		1		8		13		1				42
		3		8		7		2		2		15		3						
7		7		7		11		25		16										

FORESTRY AND FISHING

2,398	18	2,776	18	8,339	68	16,160	68	16,419	63	14,220	41	8,707	25	3,740	12	696	4	137	2	43
																				44
2,333	12	2,771	9	8,267	22	16,041	38	16,333	51	14,143	36	8,651	23	3,714	12	681	4	137	2	45
																				46
																				47
																				48
																				49
1		3		1		6		1		2		1								50
																				51
2		3		2		11		11		8		5		1						52
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5,180	47	8,345	118	27,719	383	48,725	623	43,668	439	35,743	288	18,410	90	6,320	13	866		198	2	61
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OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

FORESTRY

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Forestry—Continued.											
1 Blacksmiths.....	648	648		390		244		12			2
2 Boilermakers.....	17	17		15		2					
3 Carpenters.....	300	300		254		100		6			3
4 Cranemen, derricks, hoistmen, etc.....	349	349		288		48		10			
5 Electricians.....	57	57		52		5					14
6 Engineers (stationary).....	2,577	2,577		2,173		368		22			
7 Machinists.....	309	309		246		57		0			
8 Mechanics (not otherwise specified).....	268	268		227		33		0			
9 Millwrights.....	24	24		21		3		0			
10 Painters, glaziers, and varnishers (building).....	19	19		15		4					
11 Plumbers and gas and steam fitters.....	32	32		24		8					
12 Other skilled trades.....	6	6		4		2					
13 Chauffeurs and truck and tractor drivers.....	5,459	5,458	1	4,800	1	132		500			20
14 Inspectors, sealers, and surveyors.....	2,184	2,183	1	1,886	1	254		32			11
15 Officers of machinery.....	21	21		18		1		2			
16 Saw filers.....	683	683		488		102		25			8
17 Teamsters and haulers.....	9,243	9,242	1	6,793	1	440		1,917			86
18 Other lumbermen, raftsmen, and woodchoppers.....	146,896	146,803	93	93,407	57	26,008	2	22,405	24	4,083	10
19 Cooks.....	3,540	2,426	1,114	1,485	683	756	133	152	284	33	14
20 Guards and watchmen.....	366	366		278		67		18		3	
21 Housekeepers and stewards.....	28	20	8	14	4	6			4		
22 Janitors.....	37	37		10		18					
23 Waiters.....	531	185	346	125	296	45	41	2	4	13	5
24 All other occupations.....	53	50	3	30	2	8		6	1		

EXTRACTION

25 Coal mines.....	691,288	689,921	1,367	442,365	1,285	184,928	48	58,027	88	4,001	1
26 Owners, operators, and proprietors.....	2,863	2,855	8	2,403	7	359	1	2		1	
27 Managers and officials.....	3,888	3,882	6	3,275	6	604		3			
28 Foremen and overseers.....	14,083	14,082	1	11,505	1	2,202		68		7	
29 Chemists, assayers, and metallurgists.....	180	129	1	115	1	12				2	
30 Civil engineers and surveyors.....	828	828		795		31		2			
31 Draftsmen.....	188	188		174		14					
32 Electrical engineers.....	416	416		384		32					
33 Lawyers.....	13	13		12		1					
34 Mechanical engineers ¹	239	239		204		35					
35 Mining engineers ¹	872	872		517		54		1			
36 Trained nurses.....	19		19		19		1		2		
37 Other professional pursuits.....	8	4	4	3	4	1					
38 Accountants and auditors.....	364	357	7	332	7	25					
39 Agents (not elsewhere classified).....	224	220	4	180	3	40			1		
40 Bookkeepers and cashiers.....	2,061	1,689	372	1,641	306	47	5		1	1	
41 Clerks.....	3,728	3,394	334	3,227	326	149	7	13	1	5	
42 Commercial travelers.....	57	57		53		4					
43 Messenger, errand, and office boys and girls.....	46	41	5	34	5	1		0			
44 Office appliance operators.....	10	4	6	4	5						
45 Purchasing agents.....	79	79		77		2			1		
46 Sales agents.....	12	12		12							
47 Salesmen and saleswomen.....	103	101	2	98	2					1	
48 Shipping clerks.....	166	161	5	153	5	7		1			
49 Stenographers and typists.....	591	146	445	141	437	4	8			1	
50 Weighers ¹	1,258	1,253	5	1,133	5	111		6		3	
51 Other clerical pursuits.....	16	14	2	14	2						
52 Blacksmiths.....	3,791	3,791		2,921		808		58		4	
53 Boilermakers.....	53	53		45		7		1			
54 Brick and stone masons.....	428	428		153		264		10		1	
55 Carpenters.....	4,154	4,154		3,695		492		18		0	
56 Cranemen, derricks, hoistmen, etc.....	1,418	1,418		1,255		140		10		4	
57 Electricians.....	5,905	5,905		5,464		403		36		2	
58 Engineers (stationary).....	7,128	7,127	1	6,163	1	854		102		8	
59 Forgers and hammermen.....	13	13		10		3					
60 Machinists.....	3,941	3,941		3,347		468		117		9	
61 Mechanics (not otherwise specified).....	1,093	1,093		980		89		22		2	
62 Millwrights.....	17	17		14		3					
63 Painters, glaziers, and varnishers (building).....	149	149		132		10		7			
64 Pattern and model makers.....	14	14		14							
65 Plumbers and gas and steam fitters.....	264	264		227		28		9			
66 Other skilled trades.....	20	20		17		2				1	
67 Apprentices.....	39	39		36		3					
68 Chauffeurs and truck and tractor drivers.....	1,735	1,735		1,590		86		84		5	
69 Firemen.....	1,946	1,946		1,836		531		77		2	
70 Guards and watchmen.....	1,689	1,689		1,209		353		19		8	
71 Inspectors.....	2,823	2,823		2,133		670		16		4	
72 Janitors.....	136	123	13	69	2	10	8	84	3	1	
73 Officers of machinery.....	273	273		247		18		6		2	
74 Operatives.....	621,661	621,545	116	383,839	75	175,898	16	57,291	24	4,517	1
75 Policemen.....	362	362		335		26					
76 All other occupations.....	74	63	11	48	9	7	2	7		1	

¹ Includes, also, all technical engineers not elsewhere classified.² Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

EXTRACTION OF

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
1 Copper mines.....	39,510	39,369	142	21,189	132	11,282	8	33		6,804	2
2 Owners, operators, and proprietors.....	148	148		96		27				25	
3 Managers and officials.....	234	233	1	187	1	46					
4 Foremen and overseers.....	1,052	1,052		703		302				47	
5 Chemists, assayers, and metallurgists.....	161	160	1	137		11	1			12	
6 Civil engineers and surveyors.....	66	66		59		6				1	
7 Draftsmen.....	52	51	1	45	1	5				1	
8 Electrical engineers.....	41	41		39		2					
9 Mechanical engineers ¹	53	53		43		9				1	
10 Mining engineers ²	386	386		341		43				2	
11 Other professional pursuits.....	9	9		9							
12 Accountants and auditors.....	113	109	4	96	4	13					
13 Agents (not elsewhere classified).....	20	20		18		2					
14 Bookkeepers and cashiers.....	140	129	20	113	20	14				2	
15 Clerks.....	548	515	33	444	31	56	2	2		13	
16 Purchasing agents.....	19	19		16		3					
17 Stenographers and typists.....	108	83	75	80	71	3	4				
18 Weighers.....	11	11		10		1					
19 Other clerical pursuits.....	28	26	2	21	2	5					
20 Blacksmiths.....	456	456		304		126				26	
21 Boiler-makers.....	152	152		124		27				1	
22 Brick and stone masons.....	34	34		17		17					
23 Carpenters.....	566	566		380		156				30	
24 Cranemen, derrickmen, hoistmen, etc.....	436	436		378		51				7	
25 Electricians.....	513	513		444		63				6	
26 Engineers (stationary).....	931	931		696		222				13	
27 Machinists.....	751	751		564		128				64	
28 Mechanics (not otherwise specified).....	143	143		119		16		1		7	
29 Millwrights.....	24	24		20		4					
30 Painters, glaziers, and varnishers (building).....	75	75		51		20				4	
31 Plumbers and gas and steam fitters.....	243	243		180		39		1		23	
32 Sawyers.....	19	19		9		10				3	
33 Tinsmiths and sheet-metal workers.....	14	14		10		3				1	
34 Other skilled trades.....	13	13		13							
35 Chauffeurs and truck and tractor drivers.....	152	152		125		10				17	
36 Firemen.....	228	228		159		67				2	
37 Guards and watchmen.....	368	368		166		181		1		20	
38 Inspectors.....	43	43		38		10					
39 Janitors.....	27	25	2	5	1	15	1	3		2	
40 Oilers of machinery.....	143	143		116		15				12	
41 Operatives.....	30,939	30,936	3	14,836	1	9,550		25		0,525	2
42 All other occupations.....	37	37		28		9					
43 Gold and silver mines.....	22,252	22,171	81	16,170	74	4,880	7	17		1,104	
44 Owners, operators, and proprietors.....	497	492	5	397	3	92	2			3	
45 Managers and officials.....	450	474	6	399	6	75					
46 Foremen and overseers.....	356	356		237		64				5	
47 Chemists, assayers, and metallurgists.....	102	102		89		12				1	
48 Civil engineers and surveyors.....	35	35		28		7					
49 Electrical engineers.....	12	12		11		1					
50 Mechanical engineers ¹	18	18		14		3				1	
51 Mining engineers ²	304	304		261		41				2	
52 Other professional pursuits.....	13	11	2	9	2	2					
53 Accountants and auditors.....	32	29	3	27	3	2					
54 Bookkeepers and cashiers.....	64	53	11	44	11	9					
55 Clerks.....	86	75	11	61	11	13				1	
56 Stenographers and typists.....	34	6	28	6	26	2					
57 Other clerical pursuits.....	28	27	1	24	1	3					
58 Blacksmiths.....	292	292		220		63				0	
59 Carpenters.....	179	179		133		46				1	
60 Cranemen, derrick men, hoist men, etc.....	193	193		170		21				2	
61 Electricians.....	116	116		99		17					
62 Engineers (stationary).....	367	367		303		63				1	
63 Machinists.....	186	186		150		34				2	
64 Mechanics (not otherwise specified).....	136	136		115		19				1	
65 Millwrights.....	43	43		33		10					
66 Plumbers and gas and steam fitters.....	29	29		26		3					
67 Other skilled trades.....	30	30		18		12					
68 Chauffeurs and truck and tractor drivers.....	114	112	2	105	2	6				1	
69 Firemen.....	25	25		22		3					
70 Guards and watchmen.....	195	195		133		61					
71 Janitors.....	20	19	1	10	1	6				1	
72 Oilers of machinery.....	100	100		82		17					
73 Operatives.....	18,157	18,148	9	12,887	7	4,172	2	17		1,072	
74 All other occupations.....	9	7	2	6	1	1	1				

¹ Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MINERALS—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 10 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
246	2	1,220	10	5,640	38	10,740	55	10,141	21	7,191	13	3,092	2	934	1	124		23		
		1		3		0		32		53		32		15		3				
				2		18		64		83		39		21		5		1		
				22		202		351		327		120		28		2				
		6		37		42		41	1	24		10								
			1	9		18		15		15		7		1		1				
		2		7		18		12		5		6		1						
				2		12		17		9		4		2						
				3		20		15		9		3		2						
				30		139		98		70		33		13		3				
				1						5		3								
		1		13		25	1	35	3	19		12		4						
						4		5		5		4		1						
				12	6	41	10	28		28		9		2		1				
		3	1	14	3	165	13	124	6	73	6	29	1	15		1				
				1		3		8		6		1								
				1		17	31	7	9	1					1					
				1		3		3		2										
		2		3		3	1	6		5		4								
				15		63		86		99		74		18				1		
				2		14		43		53		11		4						
				5		7		6		4		10		2						
				8		45		115		125		106		37		3		1		
		2		8		35		160		127		28		3						
		1		6		85		150		127		17		4						
				5		71		215		197		86		3						
				8		68		189		206		74		4						
		1		10		60		216		192		184		65		2				
				5		13		49		35		78		24		2				
				1		1		6		4		10		4				1		
				8		8		28		17		6		3						
				2		24		35		42		4		2						
				3		3		1		7		4		1						
				2		3		4		2		3								
				6		6		5		2		2								
		3		44		54		21		12		4		1						
		1		30		54		50		40		29		14						
				2		9		35		98		112		94		16				
				2		11		10		14		9		2						
				1		1		3	1	9		6		1		2				
		1		33		36		20		9		6		5						
				33		6		30		9		6		2						
		6		4,835		8,634		8,075	1	5,415		2,050	2	544		81		18		
		221		2		4		7		2		9								
		0		7		2		4												
		113	1	361	7	1,928	17	4,032	13	4,640	17	5,028	16	3,706	7	1,963	2	398	1	17
				12		40		60		142		2		70		10		1		
				4		38		80	2	160		2		49		9				
				8		58		105		113				24		1				
				6		29		27		18		16		3						
			3	5		3		7		11		7		2						
				2		2		4		5		1		3						
				1		2		6		4		2		8						
				11		41		62		95		63		25		7				
				1		3		1	1	3		2				1				
				1		5	1	8	1	7		5		3						
				1		17	2	10		15		7		2		1				
				9		24	4	16		15		6		4						
				4	11	1		4		1		6				1				
		1		2		1		3		10		6		2						
				10		51		61		84		56		18		3				
				7		22		42		50		37		16		2				
				10		39		51		43		33		7						
				7		19		38		21		6		2						
				19		41		90		101		65		27		2				
				13		60		55		43		23		5		1				
				3		46		39		35		9		2						
				5		5		10		13		9		5		1				
				4		12		8		4		1		2						
				1		2		9		9		7								
				28	1	42	1	15		13		3		1						
				4		5		5		5		5		51		13				
				2		8		19		44		1		4						
				1		6		2	1	5		1		2						
				12		28		25		21		6		1		2				
				6		3,356	1	3,753	1	3,930	4	2,078	1	1,624		327		17		
107		329		1,727		3,356		3,753		3,930		2,078		1,624		327		17		
1						1				3		1		1						

1 Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

EXTRACTION OF

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
1 Iron mines.....	31,838	31,824	112	13,830	97	14,244	15	3,580		90	
2 Owners, operators, and proprietors.....	21	21		15		6					
3 Managers and officials.....	241	241		211		30					
4 Foremen and overseers.....	1,143	1,143		611		523		8		1	
5 Chemists, assayers, and metallurgists.....	201	201		162		39					
6 Civil engineers and surveyors.....	40	40		32		8					
7 Draftsmen.....	18	17	1	14	1	3					
8 Electrical engineers.....	40	40		35		4		1			
9 Mechanical engineers ¹	44	44		30		14					
10 Mining engineers ²	252	252		231		10				2	
11 Other professional pursuits.....	13	9	4	9	1		3				
12 Accountants and auditors.....	84	84		72		12					
13 Agents (not elsewhere classified).....	12	12		11		1					
14 Bookkeepers and cashiers.....	198	190	8	170	6	20	2				
15 Clerks.....	536	522	14	469	12	60	2	3			
16 Purchasing agents.....	18	18		13		5					
17 Shipping clerks.....	15	15		13		2					
18 Stenographers and typists.....	105	25	80	23	74	2	6				
19 Weighers.....	15	15		13		2					
20 Other clerical pursuits.....	7	7		3		2		2			
21 Blacksmiths.....	449	449		190		240		19			
22 Boilermakers.....	47	47		33		13		1			
23 Brick and stone masons.....	26	26		11		13		2			
24 Carpenters.....	441	441		192		238		11			
25 Cranemen, derrickmen, hoistmen, etc.....	485	483	2	352		129		2			
26 Electricians.....	371	371		301		70				1	
27 Engineers (stationary).....	924	924		623		298		2			
28 Foremen and hammermen.....	12	12		8		4					
29 Machinists.....	516	516		393		122		1			
30 Mechanics (not otherwise specified).....	169	169		114		65					
31 Millwrights.....	12	12		10		2					
32 Painters, glaziers, and varnishers (building).....	51	51		37		14					
33 Plumbers and gas and steam fitters.....	70	70		46		22		3			
34 Other skilled trades.....	8	7	1	5	1	2					
35 Chauffeurs and truck and tractor drivers.....	153	153		123		27		3			
36 Firemen.....	440	440		270		173		47			
37 Guards and watchmen.....	129	129		73		54		2			
38 Inspectors.....	82	82		50		31		1			
39 Janitors.....	73	72	1	15		66	1	1			
40 Oilers of machinery.....	60	50	10	32		16		1			
41 Operatives.....	24,248	24,248	3	8,780	2	11,031	1	3,448		80	
42 Policemen.....	173	173		127		46					
43 All other occupations.....	6	6		3		1		2			
44 Lead and zinc mines.....	20,537	20,476	62	17,486	60	2,476	3	80		433	
45 Owners, operators, and proprietors.....	152	151	1	123		28	1				
46 Managers and officials.....	198	197	1	186	1	11					
47 Foremen and overseers.....	534	534		476		57				1	
48 Chemists, assayers, and metallurgists.....	76	75	1	67	1	8					
49 Civil engineers and surveyors.....	37	37		33		2				2	
50 Draftsmen.....	14	14		13		1					
51 Electrical engineers.....	26	26		24		2					
52 Mechanical engineers ¹	17	17		14		3					
53 Mining engineers ²	151	151		135		15				1	
54 Other professional pursuits.....	7	2	5	2	5						
55 Accountants and auditors.....	34	34		31		3					
56 Bookkeepers and cashiers.....	159	146	13	141	12	4	1			1	
57 Clerks.....	219	203	16	195	16	8					
58 Purchasing agents.....	28	28		26		2					
59 Stenographers and typists.....	30	13	17	13	16	2	1				
60 Other clerical pursuits.....	32	29	3	27	3	2					
61 Blacksmiths.....	268	268		223		30				1	
62 Carpenters.....	302	302		279		23					
63 Cranemen, derrickmen, hoistmen, etc.....	413	413		395		16				2	
64 Electricians.....	233	233		225		8					
65 Engineers (stationary).....	445	445		422		21				2	
66 Machinists.....	382	382		356		21				5	
67 Mechanics (not otherwise specified).....	130	130		128		2				5	
68 Millwrights.....	26	26		24		2					
69 Plumbers and gas and steam fitters.....	65	65		58		7					
70 Other skilled trades.....	34	34		29		5					
71 Chauffeurs and truck and tractor drivers.....	100	99	1	91	1	4		2		2	
72 Firemen.....	62	62		57		5					
73 Guards and watchmen.....	161	161		134		26				1	
74 Oilers of machinery.....	22	22		20		2					
75 Operatives.....	16,164	16,153	1	13,521	1	2,142		75		415	
76 All other occupations.....	26	23	3	16	3	4		3			

¹ Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MINERALS—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits)

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
174	5	1,051	10	3,954	36	7,361	34	9,409	15	6,702	10	2,509	1	602	1	50	12		1
		1		1		2		3		8		4		3					2
		1		1		15		91		75		40		16		2		1	3
				28		167		439		320		158		37		3			4
		1		20		65		65		30		8		2		1			5
				4		14		14		13		1							6
				2	1	8		8		3		1							7
				1		13		15		9		1		1					8
				2		10		8		14		10							9
				21		82		81		49		11		8					10
							1	4		3	3	2							11
				2		15		30		28		9							12
						3		3		2		1							13
		2	1	17	3	61	4	52	43	43		12		3					14
		12		81	7	175	1	160	2	60	3	27	1	7					15
				1		6		7		3				1					16
				1		3		5		4		3							17
		4	1	8	5	24	12	12	28	6	12	4							18
				6		5		3		3		3		1					19
				5		3		3		3		3							20
1																			21
		5		21		84		130		120		68		10					22
				2		14		14		10		7							23
				1		2		6		10		5		2					24
		3		9		62		128		134		33		21		1			25
1		5		23		112		169		131		37		5					26
		5		50		140		120		45		10		1					27
1		8		50		102		290		234		113		33		2		1	28
				5		4		3											29
		10		45		147		132		120		47		15					30
		1		14		33		58		42		17		3		1			31
				1		1		2		7		1							32
1				7		18		7		9		7		1		1			33
				2		13		28		18		4							34
		1		1		1		2		2		1							35
																			36
		7		34		61		29		17		5							37
		6		74		114		112		88		35		9		1		1	38
		1		1		4		23		24		37		23		3			39
		2		5		19		20		16		16		4					40
1				2		4		11		20		23		10		1			41
		4		4		13		14		6		3		1				0	42
160	1	973	1	3,397	5	5,629	40	7,065	1	4,928	44	1,680	23	368	8	34			43
8		1						53		1									
191		570	5	2,916	12	5,856	23	5,355	18	3,555	4	1,535		437		43		7	44
				3		12		50	1	38		31		15		2			45
				6		20		61		72		26		10		2			46
				6		91		194		107		64		12					47
																			48
				6		31	1	21		14		3							49
				7		13		8		7		2							50
				3		4		4		3		3							51
				1		10		8		4		3							52
				1		2		10		10		10							53
				0		44		44		44		87		7					54
				1	2		1		1	1	1	1							55
																			56
				2		10		10		6		5		1					57
		2	1	27	4	58	3	28	5	14	7	12		4		1			58
		4	1	50	1	71	7	40	7	24	7	9		3		2			59
																			60
2		1	2	7	5	2	8	1		1	1	3		3					61
		3		2		7		6		5		3							62
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180		530	1	2,592	5	4,780	2	4,123	4	2,575	1	1,090	3	280	4	23		5	76
2		1		2		4		4		2									

* Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

EXTRACTION OF

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
1 Other specified mines.....	15,720	15,597	123	11,061	110	1,059	6	2,371	6	1,106	1
2 Owners, operators, and proprietors.....	140	140		127		13					
3 Managers and officials.....	348	348		317		30		1			
4 Foremen and overseers.....	593	592	1	540		32		5		9	1
5 Chemists, assayers, and metallurgists.....	91	87	4	85	4	2					
6 Civil engineers and surveyors.....	38	38		37		1					
7 Draftsmen.....	12	12		12							
8 Electrical engineers.....	15	15		14		1					
9 Mechanical engineers ¹	24	24		23		1					
10 Mining engineers ²	111	111		103		8					
11 Trained nurses.....	2		2		2						
12 Accountants and auditors.....	48	47	1	43	1	4					
13 Agents (not elsewhere classified).....	13	13		12		1					
14 Bookkeepers and cashiers.....	106	97	9	95	9	2					
15 Clerks.....	172	161	21	140	20	6	1			5	
16 Purchasing agents.....	10	10		9		1					
17 Stenographers and typists.....	68	4	64	4	60		4				
18 Other clerical pursuits.....	39	38	1	35	1	2					
19 Blacksmiths.....	95	95		68		10		2			0
20 Brick and stone masons.....	13	13		9		3		1			
21 Carpenters.....	221	221		204		13		4			
22 Cranemen, derrickmen, hoistmen, etc.....	201	201		189		7		4			1
23 Electricians.....	130	130		125		5		1			2
24 Engineers (stationary).....	378	378		362		13		3			3
25 Machinists.....	168	168		148		10		1			12
26 Mechanics (not otherwise specified).....	141	141		119		8		2			
27 Millwrights.....	22	22		20		2					
28 Painters, glaziers, and varnishers (building).....	14	14		13		1		1			1
29 Plumbers and gas and steam fitters.....	41	41		36		3		1			
30 Other skilled trades.....	29	29		25		2		2			
31 Chauffeurs and truck and tractor drivers.....	219	219		190		5		10			8
32 Firemen.....	171	171		135		10		23			3
33 Guards and watchmen.....	129	129		114		5		7			3
34 Inspectors.....	49	49		43		2		3			1
35 Oilers of machinery.....	40	40		45				3			1
36 Operatives.....	11,738	11,771	17	7,004	12	838		2,281	5	1,048	1
37 All other occupations.....	26	23	3	10	1	1	1	10	1	2	2
38 Not specified mines.....	31,219	30,652	567	21,179	532	6,346	30	668	1	2,459	4
39 Owners, operators, and proprietors.....	853	845	8	652	7	175	1	1			17
40 Managers and officials.....	908	908	5	743	5	154					0
41 Foremen and overseers.....	619	610	9	474		125		1			10
42 Chemists, assayers, and metallurgists.....	268	264	4	235	3	28	1				1
43 Civil engineers and surveyors.....	239	230	9	209		26					4
44 Draftsmen.....	43	38	5	35	5	3					
45 Electrical engineers.....	57	57		51		6					
46 Lawyers.....	14	14		12		2					
47 Mechanical engineers ¹	101	101		76		25					
48 Mining engineers ²	1,218	1,218		1,043		165					10
49 Trained nurses.....	1		1		1						
50 Accountants and auditors.....	260	257	3	223	2	33	1				1
51 Agents (not elsewhere classified).....	43	43		35		8					
52 Bookkeepers and cashiers.....	312	226	86	190	84	26	2				4
53 Clerks.....	531	396	135	346	129	43	5	4			3
54 Commercial travelers.....	26	26		19		7					
55 Messenger, errand, and office boys and girls.....	13	13		11		1		1			
56 Purchasing agents.....	37	36	1	31	1	4					1
57 Salesmen and saleswomen.....	53	52	1	45	1	7					
58 Shipping clerks.....	11	11		7		3					1
59 Stenographers and typists.....	328	35	293	31	277	3	15				1
60 Weighers.....	17	16	1	15	1	1					
61 Other clerical pursuits.....	13	10	3	9	2	1	1				
62 Blacksmiths.....	381	381		256		117		2			0
63 Boiler-makers.....	35	35		32		3					
64 Carpenters.....	288	288		218		53		2			15
65 Cranemen, derrickmen, hoistmen, etc.....	263	263		222		37					4
66 Electricians.....	290	290		261		27		1			1
67 Engineers (stationary).....	974	974		818		140		6			10
68 Machinists.....	454	454		311		70		1			72
69 Mechanics (not otherwise specified).....	213	213		188		18		2			5
70 Millwrights.....	36	36		27		9					
71 Painters, glaziers, and varnishers (building).....	19	19		16							3
72 Plumbers and gas and steam fitters.....	64	64		52		6					6
73 Other skilled trades.....	26	26		18		8					
74 Chauffeurs and truck and tractor drivers.....	242	242		204		11		6			21
75 Firemen.....	90	90		73		11		5			1
76 Guards and watchmen.....	183	183		128		48		3			4
77 Inspectors.....	78	78		64		14					
78 Janitors.....	21	17	4	7	2	8	2	1			1
79 Operatives.....	21,558	21,545	13	13,761	9	4,916	1	630	1	2,238	2
80 All other occupations.....	39	35	4	25	3	4	1	2			4

¹ Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

421

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MINERALS—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
360	1	692	13	2,483	29	4,429	48	3,481	17	2,451	13	1,236	2	419		59		8	1		
				3			22		22		42		34		13		4			2	
				10			54		113		101		53		17					3	
		1		26			133	1	221		144		68		8		1			4	
																					5
		4		22	1		33	3	15		6		6		1						6
				3			16		10		7		1						1		7
				9			2		1												8
				2			1		5		6										9
				6			7		4		6										10
				0			28		20		36										11
								1						1							12
				4			24		12		6		1								13
							4		8		2		1								14
				13	1		42	3	21	3	13	1	7		3						15
		10	2	35	4		52	10	29	3	15	1	7		3						16
							8		3		3				1						17
				8			3		1												18
					20		3		7		3										19
					1		8		10		7										20
																					21
							7		19		24		11								22
							5		2		5		2								23
							1		3		3		2								24
							10		44		53		29								25
							40		79		53		17								26
							22		60		12		6								27
							62		123		91		22		5						28
							12		49		53		8								29
							13		56		39		8		3						30
							6		2		5		4								31
							2		3		0		1								32
							3		18		11		7		1						33
							4		11		5		0		2						34
																					35
							40		103		39		14								36
							20		58		50		23		3						37
							8		21		28		25		10						38
							9		10		13		9		1						39
							12		16		11		7		1						40
							2		2		3		1								41
							2		3		18		1								42
344	1	042	1	2,040	2	3,313	2	2,419	3	1,717	5	904	6	327		49		7		43	
3		2		2		2		8	1	5	1	5	1	1							44
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241	1	653	1	2,578	3	4,614	3	4,047	2	4,211	2	2,814	2	1,496	1	262		29		81	
3		1		8		9		7		2		9		2							

* Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

EXTRACTION OF

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
1 Quarries.....	98,844	97,494	850	68,598	797	16,436	30	10,348	21	2,112	2
2 Owners, operators, and proprietors.....	1,604	1,596	8	1,374	7	215	1	4		3	
3 Managers and officials.....	2,928	2,908	20	2,660	18	241	2	5		2	
4 Foremen and overseers.....	3,490	3,489	1	2,886	1	534		50		19	
5 Chemists, assayers, and metallurgists.....	32	32		31		1					
6 Civil engineers and surveyors.....	117	117		111		6					
7 Draftsmen.....	85	85		72		13					
8 Electrical engineers.....	47	47		45		2					
9 Mechanical engineers ¹	52	52		46		6					
10 Mining engineers ²	52	52		44		8					
11 Other professional pursuits.....	4	3	1	3	1						
12 Accountants and auditors.....	136	127	9	110	9	8					
13 Agents (not elsewhere classified).....	41	40	1	38	1	2					
14 Bookkeepers and cashiers.....	871	600	271	576	257	22	12	1	1	1	1
15 Clerks.....	989	846	143	788	139	40	4	7		2	1
16 Commercial travelers.....	71	71		66		4				1	
17 Credit men.....	17	16	1	14	1	2					
18 Messenger, errand, and office boys and girls.....	18	17	1	14	1	1		2			
19 Purchasing agents.....	23	23		21		2					
20 Salesmen and saleswomen.....	175	174	1	163	1	10		1			
21 Shipping clerks.....	121	121		113		4		4			
22 Stenographers and typists.....	386	31	355	30	345	1	9		1		
23 Weighers.....	106	103	3	94	3	6		3			
24 Other clerical pursuits.....	15	10	5	10	5						
25 Blacksmiths.....	1,197	1,197		840		315		30		3	
26 Boilermakers.....	55	55		40		14		1			
27 Brick and stone masons.....	285	285		164		104		20		1	
28 Carpenters.....	521	521		418		88		14		1	
29 Coopers.....	11	11		7		4					
30 Cranemen, derrickmen, hoistmen, etc.....	2,203	2,203		1,946		217		30		10	
31 Electricians.....	342	342		322		15		5			
32 Engineers (stationary).....	2,646	2,646		2,329		262		45		10	
33 Machinists.....	915	915		809		91		14		1	
34 Mechanics (not otherwise specified).....	620	620		537		71		11		1	
35 Millwrights.....	110	110		86		24					
36 Painters, glaziers, and varnishers (building).....	25	25		19		5		1			
37 Plumbers and gas and steam fitters.....	41	41		29		9		3			
38 Stonecutters.....	3,575	3,575		2,080		1,423		60		6	
39 Other skilled trades.....	30	20	1	21	1	7		1			
40 Apprentices.....	21	21		20		1					
41 Chauffeurs and truck and tractor drivers.....	6,900	6,998	1	6,156	1	338		333		171	
42 Firemen.....	876	876		807		80		80		2	
43 Guards and watchmen.....	777	777		595		139		35		8	
44 Inspectors.....	108	108		91		11		5		1	
45 Janitors.....	23	22	1	16	1	2		3		1	
46 Oilers of machinery.....	124	124		92		22		9		1	
47 Operatives.....	65,268	65,268	25	41,863	4	12,018	1	9,522	10	1,860	1
48 All other occupations.....	172	170	2	114	1	18	1	31		7	
49 Oil wells and gas wells ³	198,446	195,036	3,411	187,761	3,322	4,757	66	1,408	2	1,109	21
50 Builders and building contractors.....	344	344		334		9				1	
51 Owners, operators, and proprietors.....	9,212	9,156	56	8,864	54	272	1	4	1	16	
52 Managers and officials.....	5,873	5,860	13	5,644	13	208				8	
53 Foremen and overseers.....	5,975	5,975		5,815		141		9		10	
54 Chemists, assayers, and metallurgists.....	296	292	4	270	4	21		1			
55 Civil engineers and surveyors.....	1,112	1,112		1,034		73				5	
56 Draftsmen.....	375	367	18	331	17	25	1			1	
57 Electrical engineers.....	127	127		114		13					
58 Lawyers.....	212	211	1	208	1	2					
59 Mechanical engineers ¹	331	331		306		24				1	
60 Mining engineers ²	181	180	1	162	1	17				1	
61 Other professional pursuits.....	9	8	1	8	1						
62 Accountants and auditors.....	1,384	1,383	51	1,284	51	42				7	
63 Advertising agents.....	11	10	1	10		1					
64 Agents (not elsewhere classified).....	3,619	3,593	26	3,507	25	78	1	1		7	
65 Bookkeepers and cashiers.....	1,823	1,381	442	1,336	433	30	4			6	5
66 Canvassers.....	28	28		28							
67 Clerks.....	4,697	3,994	703	3,860	688	108	13	9		17	2
68 Collectors.....	18	18		18							
69 Commercial travelers.....	126	126		122		4					
70 Credit men.....	66	63	3	63	2			1			
71 Messenger, errand, and office boys and girls.....	57	52	5	50	5	1				1	
72 Office appliance operators.....	155	32	123	30		1					
73 Purchasing agents.....	169	166	3	166	3	9		1			
74 Sales agents.....	15	14	1	14	1					1	
75 Salesmen and saleswomen.....	258	256	2	247	2						
76 Shipping clerks.....	39	39		35		2				1	
77 Stenographers and typists.....	2,127	192	1,935	189	1,885	2	40			1	
78 Weighers.....	8	8		7		1				1	10
79 Blacksmiths.....	8,056	8,056		7,901		111		9		35	
80 Boilermakers.....	1,254	1,254		1,197		42		3		12	
81 Brick and stone masons.....	38	38		25		12				1	
82 Carpenters.....	1,166	1,166		1,095		56		2		13	
83 Cement finishers.....	15	15		12		2					
84 Cranemen, derrickmen, hoistmen, etc.....	181	181		177		4		1			

¹ Includes also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

423

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MINERALS—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
1,716	14	4,050	78	14,267	252	25,694	261	22,361	182	16,955	73	8,215	14	2,900	4	287	60	2	1	
		2		34		224		428		425		329		133		19				
		2		60		562	6	952	1	780	5	401	2	132	1	9	2		2	
		5		116		760	1	1,045		884		523	4	100		6	1		1	
				11		10		7		2				1						
				11		37		38		18		8		3		1			5	
		2		23		35		8		9		7		2					6	
				4		18		13		9		3							7	
				6		10		10		3		5		2					8	
				7		13		12		11		7		3					9	
								1		2									10	
										1									11	
			1	8		40	3	39	4	21		17		2					12	
				5		12		9		11	1	3							13	
1	3	19	19	139	68	197	84	115	57	62	34	45	3	16	2	2	1	1	14	
15	1	50	9	200	36	266	38	143	42	100	15	44	2	23	4	4	1	1	15	
				1		5		4		2		3		2					16	
				1		4		1		1		3		2					17	
8		2		2		7		6		6		2							18	
				2		7		5		31		17		10					19	
				22		43		28		10		11		3					20	
			48	10	136	9	115	3	37	10		2	1						21	
				21		28		22		18		6	1	5		2			22	
1		1		1	3	4		1		1		2							23	
																				24
		21		64		171		282		312		251		90		6			25	
				2		16		19		11		5		2					26	
		5		22		40		60		71		48		34		5			27	
2		6		20		98		154		139		78		21		3			28	
				1		3		1		4		1		1					29	
6		32		279		339		647		306		76		17		1			30	
		7		61		126		95		46		5		2					31	
11		30		238		733		781		544		239		66		3		1	32	
		15		70		282		256		184		87		15					33	
		9		60		218		186		99		41		7					34	
				4		27		20		30		13		6		1			35	
				2		9		7		3		2		1					36	
				2		16		7		12		3		1					37	
				102		684		763		841		650		188		10		4	38	
				7		7		5		7		2							39	
				2															40	
17		2		2										20		2		4	41	
115		418		1,771	1	2,803		1,287		435		138		18				1	42	
6		31		28		260		194		156		80		114					43	
		5		18		106		163		179		10		3		17			44	
		2		2		21		26		27		5		7		1			45	
3		5		22		3		2		2		8		2					46	
1,528	1	3,253	1	10,321	6	16,766	10	14,370	4	11,055	1	5,946	1	1,778	163	53	1	1	47	
3		7		25		46		25		35		20		7		2			48	
1,002	29	3,900	272	25,382	1,058	66,969	1,354	53,568	495	29,266	142	11,818	47	2,620	8	310	1	110	5	49
				9		60		124		101		39		7		4			50	
				112		1,179	6	2,732	17	2,864	10	1,629	16	532	7	94		6	51	
				148		1,363	1	2,186	6	1,431	4	593	2	117		14		3	52	
				172		1,880		2,108		1,241		493		60		6			53	
				83	2	129	2	57		9		8		1					54	
				204		434		315		119		30		8		1			55	
			2	124	7	140	6	62	3	12		9		1					56	
				9		59		35		20		3		1					57	
				5		60	1	68		47		3		3					58	
				26		131		113		45		15		1					59	
				12		69	1	50		34		11		4					60	
						5						1							61	
				149	12	562	21	400	11	144	4	52	2	10		2		2	62	
				4		5													63	
4		16	1	277	2	1,354	5	1,055	6	589	10	216	2	69		11		2	64	
8	1	39	36	323	116	580	181	261	77	110	24	43	6	13		4		1	65	
				5		12		8		2		1							66	
27	6	149	48	903	200	1,639	256	823	140	315	43	115	10	29		2		1	67	
				3		7		1		3		3		1					68	
				6		52		38		22		7		1					69	
				3		24	3	25		10		1							70	
				8		4		3		3		2							71	
16	2	18	1	15	42	77	3	48	12			5							72	
2		4	4	5		8		4		20		8		1				1	73	
				1		77		8		1									74	
				36		101	2	72		34		7		1					75	
				9		11		10		4		3		1					76	
4	18	12	179	78	672	67	800	26	215	5	38		9			1		3	77	
				3		2		2		1									78	
																			79	
		240		1,413		3,354		2,140		727		146		25		5		3	80	
		23		174		443		371		171		59		9		3		1	81	
		1		2		10		9		8		4		2		2			82	
2		12		84		285		343		269		143		26		1		1	83	
				1		8		5		1									84	
				22		90		57		11		1								

² Includes, also, chemical and metallurgical engineers.

³ Because of indefinite returns by census enumerators, there probably is some overlapping between persons engaged in the production of natural gas and those engaged in the production of artificial gas, and between persons working at petroleum refineries or on pipe lines and persons working at oil wells.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

EXTRACTION OF

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				Oil wells and gas wells—Continued							
1 Electricians.....	788	788		759		25					4
2 Engineers (stationary).....	25,000	25,000		24,896		574		25			111
3 Foremen and hammermen.....	81	81		70		2					
4 Machinists.....	1,593	1,500		1,471		116		1			8
5 Mechanics (not otherwise specified).....	1,530	1,530		1,466		55		8			7
6 Painters, glaziers, and varnishers (building).....	304	304		280		20		12			3
7 Plumbers and gas and steam fitters.....	1,265	1,265		1,153		89		2			11
8 Tinsmiths and sheet-metal workers.....	25	25		23		2					
9 Toolmakers and die setters and sinkers.....	54	54		49		5					
10 Other skilled trades.....	75	75		71		4					
11 Blacksmiths' apprentices.....	51	51		51							
12 Chauffeurs and truck and tractor drivers.....	6,367	6,367		6,036		65		133			63
13 Firemen.....	1,774	1,774		1,669		94		5			6
14 Guards and watchmen.....	544	544		481		57		5			1
15 Inspectors.....	2,937	2,937		2,859		71		1			6
16 Janitors.....	118	111	7	60	6	13		25	1		13
17 Oilers of machinery.....	565	565		551		12					2
18 Operatives.....	105,224	105,212	12	101,147	8	2,197	1	1,129			739
19 All other occupations.....	179	176	3	153	2	1		22			3
20 Salt wells and works.....	7,125	6,378	747	4,459	679	1,330	61	345	3	244	4
21 Owners, operators, and proprietors.....	21	10	2	18	2	1					
22 Managers and officials.....	287	286	1	267	1	29					
23 Foremen and overseers.....	287	270	8	221	6	50	2	3			5
24 Chemists, assayers, and metallurgists.....	50	49	1	40	1	9					
25 Civil engineers and surveyors.....	15	15		13		2					
26 Mechanical engineers.....	16	18		15		1					
27 Other professional pursuits.....	25	24	1	19	1	5					
28 Accountants and auditors.....	38	37	1	32	1	5					
29 Agents (not elsewhere classified).....	31	29	2	28	2	1					
30 Bookkeepers and cashiers.....	117	59	58	52	55	6	3				1
31 Clerks.....	269	189	80	167	77	18	3	4			
32 Commercial travelers.....	166	165	1	152	1	13					
33 Purchasing agents.....	15	14	1	13	1	1					
34 Salesmen and saleswomen.....	127	125	2	121	2	4					
35 Shipping clerks.....	30	29	1	24	1	5					
36 Stenographers and typists.....	181	8	173	8	168		5				
37 Weighers.....	13	13		9		2		2			
38 Other clerical pursuits.....	24	20	4	20	3		1				
39 Blacksmiths.....	42	42		33		9					
40 Boilermakers.....	16	16		13		3					
41 Carpenters.....	115	115		92		20		1			2
42 Compositors, linotypers, and typesetters.....	11	8	3	7	2	1	1				
43 Coopers.....	65	65		51		13		1			
44 Cranemen, derrickmen, hoistmen, etc.....	34	34		27		7					
45 Electricians.....	84	84		70		5					
46 Engineers (stationary).....	147	147		120		23		4			
47 Machinists.....	142	142		115		26		1			
48 Mechanics (not otherwise specified).....	62	62		53		8		1			
49 Millwrights.....	29	29		18		11					
50 Plumbers and gas and steam fitters.....	84	84		72		12					
51 Other skilled trades.....	24	24		17		6		1			
52 Chauffeurs and truck and tractor drivers.....	104	104		77		21		5			1
53 Firemen.....	130	130		91		37		1			1
54 Guards, watchmen, and doorkeepers.....	80	80		50		28		2			
55 Janitors.....	39	39		22		15		2			
56 Oilers of machinery.....	25	25		23		3					
57 Operatives.....	4,124	3,717	407	2,251	354	922	46	311	3	233	4
58 Painters, glaziers, and varnishers (factory).....	20	20		17		3					
59 All other occupations.....	35	34	1	22	1	5		6			1

MANUFACTURING AND

60 Building industry.....	2,574,968	2,549,803	25,165	1,758,506	23,373	589,510	1,518	181,173	250	20,614	26
61 Builders and building contractors.....	150,899	150,710	189	111,478	167	36,568	18	2,406	4	268	
62 Owners, operators, and proprietors.....	2,847	2,790	57	2,258	53	506	4	20			
63 Managers and officials.....	19,116	13,787	329	15,814	302	2,937	27	29		7	
64 Foremen and overseers.....	20,756	20,703	53	16,389	44	3,900	8	281	1	67	
65 Chemists.....	48	48		42		4		1		1	
66 Civil engineers and surveyors.....	13,008	13,005	3	11,423	3	1,530		29		23	
67 Designers.....	214	181	33	158	30	42	2	1			1
68 Draftsmen.....	4,462	4,423	39	3,643	36	754	3	11		15	
69 Electrical engineers.....	1,404	1,403	1	1,204	1	182		12		5	
70 Lawyers.....	49	49		46		3					
71 Mechanical engineers ¹	2,019	2,019		1,733		280		6			
72 Mining engineers ¹	59	59		51		8					
73 Trained nurses.....	11	9	2	6	1	3	1				
74 Other professional pursuits.....	10	10		7		3					

¹Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

425

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MINERALS—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
																				1	
				10		99		333		232		91		20		3				2	
53		197		1,852		7,910		7,867		4,969		2,236		473		53		6		3	
		2		13		40		10		6				12				1		4	
		27		166		551		494		204		81		10						5	
		19		173		617		437		220		59		6		1				6	
		8		55		108		71		39		16		7						7	
1		14		196		432		358		109		59		6						8	
				1		9		9		3		3								9	
		2		5		21		15		7		3				1				10	
		1		8		27		21		13		5								11	
																				12	
51				1,285		2,946		1,363		395		83		13		2		8		13	
90		212		127		470		504		388		206		56		2		1		14	
4		7		23		65		101		124		124		84		11				15	
1		11		23		1,056		908		440		203		31		4				16	
		22		273		17		26		23		1		16		5				17	
		1		7		2		3		3				6		1				18	
		8		101		220		139		59		22		6		81		72		19	
754	2	2,848		16,544	4	37,398	3	27,365	2	13,016	1	5,050		984						20	
15		6		26		42	1	36	1	33	1	17		1				10	1	21	
85	75	247	98	782	211	1,575	184	1,581	125	1,225	39	632	11	219	3	22				22	
																					23
																					24
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																					58
																					59

MECHANICAL INDUSTRIES

25, 158	888	58, 829	2, 656	242, 339	7, 214	569, 863	7, 364	665, 261	4, 091	542, 429	2, 123	318, 844	672	119, 661	124	15, 635	11	1, 794	23	60	
		85		2, 375	4	21, 603	21	46, 161	58	43, 245	65	26, 728	29	9, 812	9	1, 128	1	73	2	61	
		2		68	1	515	9	871	16	762	18	425	10	124	2	22	1	1		62	
		31	2	521	26	3, 994	89	6, 549	109	4, 797	71	2, 221	21	582	9	77	2	15		63	
5		77	1	1, 019	2	4, 968	24	6, 740	16	5, 099	2	2, 236	5	506	2	34	1	13		64	
																					65
																					66
																					67
																					68
																					69
																					70
																					71
																					72
																					73
																					74

* Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Building industry—Continued.											
1 Accountants and auditors.....	2,363	2,210	153	1,079	144	228	8	3	1		
2 Advertising agents.....	44	41	3	37	3	2		1		1	
3 Agents (not elsewhere classified).....	486	432	4	393	4	39					
4 Bookkeepers and cashiers.....	16,929	8,331	8,598	7,545	8,028	770	534	7	30	9	6
5 Canvassers.....	267	252	15	233	13	19	1		1		
6 Clerks.....	15,002	10,392	4,610	9,497	4,279	826	298	53	27	16	6
7 Collectors.....	152	127	25	107	24	16	1	3		1	
8 Credit men.....	158	151	7	141	7	10					
9 Messenger, errand, and office boys and girls.....	498	430	62	394	50	27	3	15	3		
10 Office appliance operators.....	182	58	124	51	118	3	6	4			
11 Purchasing agents.....	361	354	7	320	5	24	2			1	
12 Sales agents.....	7	7		7							
13 Salesmen and saleswomen.....	528	518	10	461	9	57	1			1	
14 Shipping clerks.....	310	306	4	258	4	41		6		3	3
15 Stenographers and typists.....	9,200	453	8,747	425	8,287	22	433	3	24		
16 Weighers.....	58	58		47		9		1		1	
17 Blacksmiths.....	1,173	1,173		703		423		41		6	
18 Boilermakers.....	638	638		423		108		5		2	
19 Brick and stone masons and tile layers.....	157,180	157,174	6	91,662	4	53,654	2	10,837		971	
20 Cabinetmakers.....	1,627	1,627		977		829		15		6	
21 Carpenters.....	766,787	766,742	45	558,402	33	178,733	6	20,922	6	4,085	
22 Cement finishers.....	12,720	12,720		6,055		3,840		2,878		211	
23 Coopers.....	38	38		28		8		1		1	
24 Coppersmiths.....	276	276		160		101		3		12	
25 Crane-men, derrickmen, hoistmen, etc.....	7,676	7,676		6,465		1,020		182		9	
26 Electricians.....	82,875	82,867	8	71,242	6	10,886	2	793		146	
27 Engineers.....	11,749	11,749		9,630		1,872		219		19	
28 Forgers and hammermen.....	91	91		69		10		3		3	
29 Machinists.....	3,025	3,025		2,724		838		53		10	
30 Mechanics (not otherwise specified).....	12,721	12,720	1	10,140	1	2,149		395		39	
31 Millwrights.....	641	641		514		125		1		1	
32 Painters, glaziers, and varnishers (building).....	415,027	414,916	111	301,003	92	96,569	10	15,236	9	2,108	
33 Paper hangers.....	28,328	28,372	1,456	20,163	1,345	4,511	83	2,120	28	72	
34 Pattern and model makers.....	193	193		121		69		5		3	
35 Plasterers.....	70,053	70,050	3	40,606		18,286	2	10,280	1	872	
36 Plumbers and gas and steam fitters.....	164,601	164,600	1	136,692	1	24,045		3,375		458	
37 Roofers and slaters.....	23,036	23,036		18,259		4,240		1,044		87	
38 Sawyers.....	59	59		44		14		1			
39 Skilled occupations (not elsewhere classified) ¹	144	144		69		75					
40 Stonecutters.....	2,185	2,185		1,004		1,140		29		6	
41 Structural iron workers.....	25,400	25,400		17,750		7,220		292		138	
42 Tinsmiths and sheet metal workers.....	20,379	20,379		21,899		6,877		513		90	
43 Toolmakers and die setters and sinkers.....	75	75		42		33					
44 Other skilled trades.....	156	152	4	110	4	30		4		2	
Apprentices:											
45 Architects, designers, and draftsmen's apprentices.....	71	69	2	61	2	8					
46 Carpenters' apprentices.....	3,667	3,665	2	3,290	2	231		99		45	
47 Electricians' apprentices.....	2,369	2,365	1	2,221	1	129		8		7	
48 Machinists' apprentices.....	35	35		30		4		1			
49 Plumbers' apprentices.....	5,475	5,475		5,190		293		30		16	
50 Tinsmiths and coppersmiths' apprentices.....	1,179	1,179		1,113		47		10		9	
51 Apprentices to other building and hand trades.....	7,200	7,193	8	6,274	7	554		302		63	1
52 Charwomen and cleaners.....	108	99	9	74	7	17		8			
53 Chauffeurs and truck and tractor drivers.....	24,866	24,864	2	19,943	2	2,401		2,376	46	174	
54 Cooks.....	520	393	122	243	80	78		10		7	
55 Draymen and teamsters.....	4,559	4,558	1	3,242		634		625		1	
56 Elevator tenders.....	110	107	3	27	1	27		1		1	
57 Firemen.....	1,057	1,057		1,408		328		127		1	
58 Guards, watchmen, and doorkeepers.....	3,295	3,295		1,966		1,110		202		17	
59 Janitors.....	247	227	20	85	8	84		54		4	
60 Laborers.....	419,802	419,675	127	196,552	75	117,890	14	95,587	31	9,046	7
61 Oilers of machinery.....	435	435		370		46		9		10	
62 Operatives.....	18,442	18,419	23	13,432	17	4,180	4	683	2	124	
63 Policemen.....	37	37		31		5		1			
64 Porters.....	111	111		81		21		58		1	
65 Waiters.....	78	42	36	81	27	8	8	2	1	1	
66 All other occupations.....	27	18	9	16	6	1	1	1	2		
CHEMICAL AND ALLIED INDUSTRIES											
67 Charcoal and coke works.....	11,768	11,515	251	6,173	223	2,992	6	2,168	22	182	
68 Owners, operators, and proprietors.....	28	28		20		7		1			
69 Managers and officials.....	234	231	3	207	3	24					
70 Foremen and overseers.....	736	732	4	575	4	143		14			
71 Chemical engineers ¹	36	36		33		3					
72 Chemists.....	150	149	1	135	1	13		1			
73 Civil engineers and surveyors.....	32	32		26		6					
74 Draftsmen.....	54	54		50		3				1	
75 Electrical engineers.....	23	23		20		3					
76 Mechanical engineers ²	55	55		45		9		1			
77 Other professional pursuits.....	8	4	4	3	4	1					

¹ Most of these were returned as "wood carvers."² Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CHEMICAL AND ALLIED INDUSTRIES—Continued											
Charcoal and coke works—Continued.											
1 Accountants and auditors.....	73	72	1	68	1	4					
2 Agents (not elsewhere classified).....	27	26	1	23	1	3					
3 Bookkeepers and cashiers.....	81	64	17	61	17	3					
4 Clerks.....	479	404	75	383	74	18	1	3			
5 Commercial travelers.....	44	44		35		9					
6 Purchasing agents.....	16	16		16							
7 Salesmen and saleswomen.....	114	113	1	106	1	5		2			
8 Shipping clerks.....	19	19		15		3		1			
9 Stenographers and typists.....	129	16	113	14	109	2	4				
10 Weighers.....	19	19		14		5					
11 Other clerical pursuits.....	34	30	4	27	4	2		1			
12 Blacksmiths.....	20	20		17		12					
13 Boilermakers.....	38	38		24		13		1			
14 Brick and stone masons.....	100	100		37		57		5		1	
15 Carpenters.....	100	100		76		24					
16 Cranemen, derrickmen, hoistmen, etc.....	122	122		91		27		4			
17 Electricians.....	220	220		185		34		1			
18 Engineers (stationary).....	302	302		246		51		5			
19 Machinists.....	269	269		201		53		14		1	
20 Mechanics (not otherwise specified).....	118	118		96		22		1			
21 Millwrights.....	81	81		58		23					
22 Plumbers and gas and steam fitters.....	163	163		129		33		1			
23 Other skilled trades.....	18	18		12		5		1			
24 Chauffeurs and truck and tractor drivers.....	243	243		186		27		30			
25 Draymen and teamsters.....	43	43		28		7				1	
26 Firemen.....	189	189		95		64		20		1	
27 Furnace men.....	705	705		219		215		268		3	
28 Guards, watchmen, and doorkeepers.....	96	96		57		34		5			
29 Janitors.....	37	36	1	8		13		15		1	
30 Laborers.....	4,783	4,772	11	1,612	2	1,611		1,410	0	180	
31 Operators of machinery.....	65	65		37		24		4			
32 Operatives.....	1,687	1,672	15	836	2	364	1	329	12	48	
33 Painters, glaziers, and varnishers (factory).....	27	27		19		8					
34 Policemen.....	24	24		19		5					
35 All other occupations.....	16	16		10				5		1	
36 Explosives, ammunition, and fireworks factories.....	19,404	15,035	4,369	11,968	3,909	2,508	434	461	25	110	1
37 Owners, operators, and proprietors.....	112	110	2	67	2	43					
38 Managers and officials.....	513	502	11	448	11	54					
39 Foremen and overseers.....	820	789	31	673	29	114	2	1		1	
40 Chemical engineers ¹	77	77		72		5					
41 Chemists.....	387	380	7	352	7	26		2			
42 Civil engineers and surveyors.....	38	38		36		2					
43 Draftsmen.....	94	90	4	76	2	14	2				
44 Electrical engineers.....	21	21		19		2					
45 Mechanical engineers ¹	79	79		73		6					
46 Other professional pursuits.....	21	12	9	10	8	2	1				
47 Accountants and auditors.....	143	134	9	126	9	8					
48 Agents (not elsewhere classified).....	62	62		56		6					
49 Bookkeepers and cashiers.....	276	170	106	160	97	9				1	
50 Clerks.....	1,178	770	408	729	395	38	13	3			
51 Commercial travelers.....	167	165	2	157	2	8					
52 Credit men.....	10	10		10							
53 Messenger, errand, and office boys and girls.....	34	32	2	32	2						
54 Office appliance operators.....	16	5	11	4	10	1	1				
55 Purchasing agents.....	30	30		28		2					
56 Sales agents.....	10	9	1	9	1						
57 Salesmen and saleswomen.....	194	194		182		12					
58 Shipping clerks.....	138	136	2	125	2	11					
59 Stenographers and typists.....	598	33	565	32	542	1	21		2		
60 Weighers.....	16	14	2	13	2	1					
61 Other clerical pursuits.....	9	7	2	7	2						
62 Blacksmiths.....	43	43		34		9					
63 Boilermakers.....	14	14		11		3					
64 Brick and stone masons and tile layers.....	15	15		10		5					
65 Carpenters.....	328	328		274		54					
66 Compositors, linotypers, and typesetters.....	33	30	3	24	3	6					
67 Cranemen, derrickmen, hoistmen, etc.....	22	22		21		1					
68 Electricians.....	176	176		166		9		1			
69 Engineers (stationary).....	269	269		230		38		1			
70 Machinists.....	793	793		645		147		1			
71 Mechanics (not otherwise specified).....	187	187		154		24		8		1	
72 Millwrights.....	126	126		104		22					
73 Plumbers and gas and steam fitters.....	208	208		173		32		2		1	
74 Tinsmiths and sheet metal workers.....	31	31		29		2					
75 Toolmakers and die setters and sinkers.....	108	108		86		22					
76 Other skilled trades.....	55	55		38		15		2			
77 Apprentices:											
78 Machinists' apprentices.....	22	22		22							
79 Other apprentices.....	17	17		17							
80 Chauffeurs and truck and tractor drivers.....	309	309		281		20		5		3	
81 Draymen and teamsters.....	56	56		42		7		7			
82 Firemen.....	183	183		132		40		5			
83 Guards, watchmen, and doorkeepers.....	222	220	2	162	1	56	1	2			
84 Janitors.....	65	63	2	39		18	2	6			
85 Laborers.....	5,047	4,447	600	3,120	540	941	40	335	10	51	1
86 Operatives.....	5,904	3,322	2,582	2,561	2,229	644	341	66	12	51	1
87 Painters, glaziers, and varnishers (factory).....	84	82	2	73	2	8					
88 All other occupations.....	44	40	4	24	2	12	1	4	1		

¹ Included, in other occupation tables, in the group "Mining engineers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 24 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
				8		24	1	20		8		2		1						1	
				1		10	1	8		3		4		2						2	
				11	5	23	9	17		7		2		3						3	
1		2	3	88	17	122	23	108	18	35	2	17	6		1					3	
6	3	20	7	16		13		9		9		3								4	
				7		4		7		5		5								5	
				19		48		26	1	13		3		4						6	
		1		2		7		6		2		2		1						7	
		2	3	5	42	5	4	1	14	3	1	3	1							8	
1	4	2	9	3		4		4		7		3								9	
1	1	1	1	3	2	5	42	5	5	7		3								10	
5	1	2	1	3		5		5		7		3								11	
				2		2		8		10		7		2						12	
				2		5		18		8		3		2						13	
				18		17		21		29		14		6						14	
				8		16		36		21		12		1						15	
1		5		20		46		38		13		4								16	
				23		75		82		27		7								17	
				20		80		79		65		43		1						18	
				10		67		88		66		28		2						19	
				17		33		44		20		3		1						20	
				11		27		28		12		5		2						21	
				13		61		54		25		5								22	
				4		2		8		1		3								23	
				50		94		50		18		4								24	
		16		4		11		11		4		5		2						25	
		4		3		20		59		46		22		1						26	
		3		3		38		103		77		11								27	
		31		70		167		14		21		25		20						28	
				2		8		6		11		11		4						29	
				2		2		0	1	11		11		4						30	
102	2	175	1	688	1	1,272	2	1,263	853	3	360	1	104	1	9			6		31	
		2		10		20		11		10		9		3						32	
27	1	45		233	3	480	4	387	6	264		94	1	26				8		33	
		2		2		11		5		5		2		2						34	
				2		7		4		5		5		1						35	
4		2		4		4		1		1		1								36	
282	425	648	669	2,200	1,289	3,721	1,017	3,560	624	2,673	248	1,421	92	466	11	51	2	13	2	36	
			1	2		17		31	1	28		21		9						37	
				10	2	57	6	165	2	161		82		21						38	
1		3		37	4	180	8	250	12	199	5	96	1	19	1	4		2		39	
				13		39		18		4		3								40	
				110	6	152	1	77		24		9								41	
		8		11		9		11		7				1						42	
				6		16		7		5										43	
		5		20	2	42	2	8		5										44	
				1		7		24		19		7		2						45	
				6		21		4	1	2		4								46	
				2		4								2						47	
				2		44	1	42	4	20		12		3						48	
				13	1	12		12		12		12		4						49	
4	6	7	10	43	27	42	26	33	24	23		13	4	4						50	
18	15	62	47	126	130	211	118	189	53	104	30	34	13	24	1	2				51	
				6		30	1	52	1	52		19		6						52	
				6		3		3		1		1								53	
23		6	1	1	1	1		1		1		3								54	
1		1	1	1	5	7		9		10		8								55	
				2		2		2		2		3		1						56	
				40		65		65		43		21		7						57	
1		2		37		29		29	2	16		11		6						58	
4		12		10		6		6		7		10		3						59	
1	18	5	73	12	211	10	176	5	7	1		1		2						60	
1				3		3		2	2	2		1								61	
				1		1		12		15		11		2						62	
				1		7		3		3										63	
				1		2		8		3		1		1						64	
				2		2		78		92		51		21						65	
				71		5		6	1	3		4		4						66	
1	1	1	1	9		18		3		2										67	
				3		6		46		18		6		3						68	
				32		67		74		57		37		14						69	
				19		62		218		182		70		24						70	
		29		96		174		53		24		13		5						71	
		7		26		59		36		30		14		8						72	
		2		15		21		68		35		15		1						73	
		5		19		63		8		6		1								74	
		3		7		8		19		20		14		6						75	
		5		8		35		5		11		9		7						76	
		2		1		14														77	
																					78
17		4		1																	79
8		7		2										3							80
		15		63		114		72		8		12		1							81
1		1		6		12		51		62		23		7							82
				7		42		41		62		66		35							83
				5		15		15		12		12		16							84
109	83	265	116	854	184	1,107	115	927	66	683	25	362	9	125	1	12	1	3		85	
90	302	170	405	556	713	822	559	731	376	557	160	306	58	74	8	10	1	4	1	86	
		6		11		20		17		16		10		1							87
1				2	1	10		5	2	8	1	8		4							87

* Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY
MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CHEMICAL AND ALLIED INDUSTRIES—Continued											
1 Fertilizer factories.....	23,169	27,340	829	9,123	684	1,073	25	16,900	120	244	
2 Owners, operators, and proprietors.....	236	233	3	210	3	20		1		2	
3 Managers and officials.....	1,153	1,146	12	1,103	11	39	1	1		3	
4 Foremen and overseers.....	820	828	1	710	1	60		57		1	
5 Chemical engineers ¹	14	14		12		2					
6 Chemists.....	104	164		152		7		5			
7 Other professional pursuits.....	31	30	1	25	1	4		1			
8 Accountants and auditors.....	124	123	1	116	1	7					
9 Agents (not elsewhere classified).....	153	152	1	144	1	7				1	
10 Bookkeepers and cashiers.....	535	439	96	425	95	13		1			
11 Clerks.....	630	519	120	478	116	27	3	13	1	1	
12 Commercial travelers.....	635	634	1	617	1	14				3	
13 Credit men.....	54	54		51		3					
14 Messenger, errand, and office boys and girls.....	37	37		27				10			
15 Purchasing agents.....	30	30		29		1					
16 Salesmen and saleswomen.....	657	657		625		21		3		8	
17 Shipping clerks.....	124	124		113		4		7			
18 Stenographers and typists.....	400	43	447	41	431	1	15		1		
19 Weighers.....	127	127		93		6		28			
20 Other clerical pursuits.....	35	30	5	28	5	2					
21 Blacksmiths.....	35	35		24		3		8			
22 Carpenters.....	119	119		97		9		13			
23 Compositors, linotypers, and typesetters.....	43	42	1	23	1	2		17			
24 Cranemen, derrickmen, hoistmen, etc.....	78	78		70		3		5			
25 Electricians.....	71	71		63		5		3			
26 Engineers (stationary).....	134	134		104		10		14			
27 Machinists.....	176	176		134		17		25			
28 Mechanics (not otherwise specified).....	133	133		101		7		9			
29 Millwrights.....	88	88		71		8		9			
30 Plumbers and gas and steam fitters.....	27	27		20		7					
31 Other skilled trades.....	33	33		30		5		3			
32 Chauffeurs and truck and tractor drivers.....	782	782		450		50		191		82	
33 Draymen and teamsters.....	95	95		29		17		43		9	
34 Firemen.....	137	137		38		21		75		3	
35 Guards, watchmen, and doorkeepers.....	233	233		190		16		27			
36 Janitors.....	24	24		5		8		16			
37 Laborers.....	18,243	18,157	86	2,220	7	550		15,208	70	110	
38 Oilers of machinery.....	43	43		28		9		11			
39 Operatives.....	1,538	1,484	54	390	10	82	5	1,000	30	12	
40 All other occupations.....	52	52		28		5		19			
41 Gas works ¹	114,930	102,842	12,088	76,519	11,542	19,205	518	5,709	24	1,340	6
42 Owners, operators, and proprietors.....	76	75	1	71	1	4				2	
43 Managers and officials.....	4,459	4,382	87	4,108	88	271	4	1		8	
44 Foremen and overseers.....	5,269	5,215	54	4,182	51	993	3	22			
45 Chemical engineers ¹	108	108		101		7					
46 Chemists.....	321	318	3	272	2	44	1	2			
47 Civil engineers and surveyors.....	581	581		540		38		1		2	
48 Draftsmen.....	675	663	12	613	12	49	1			1	
49 Electrical engineers.....	162	162		149		12				1	
50 Lawyers.....	49	49		47		2					
51 Mechanical engineers ¹	492	492		441		50		1			
52 Photographers.....	13	12	1	8	1	4					
53 Other professional pursuits.....	10	6	4	4	4	2					
54 Accountants and auditors.....	1,696	1,583	113	1,476	111	105	2	1			
55 Advertising agents.....	44	44		43		1					
56 Agents (not elsewhere classified).....	831	810	21	755	20	54	1			1	
57 Bookkeepers and cashiers.....	6,220	2,029	3,201	2,766	3,164	154	127	1		8	
58 Canvassers.....	1,281	1,212	69	1,126	64	84	5			2	
59 Clerks.....	16,885	12,598	4,288	11,631	4,099	808	184	46	2	23	3
60 Collectors.....	2,037	2,002	35	1,835	33	167	2				
61 Commercial travelers.....	249	248	1	238	1	10					
62 Credit men.....	183	177	6	158	6	19					
63 Messenger, errand, and office boys and girls.....	309	296	23	251	21	15	1	20	1		
64 Office appliance operators.....	345	56	289	51	280	5	9				
65 Purchasing agents.....	109	162	7	162	7	10					
66 Sales agents.....	7	7		6		1					
67 Salesmen and saleswomen.....	1,492	1,400	83	1,307	82	97	1	3		2	
68 Shipping clerks.....	106	103	3	93	2	9	1	1			
69 Stenographers and typists.....	3,778	263	3,515	252	3,390	11	123				2
70 Weighers.....	16	16		15				1			
71 Blacksmiths.....	343	343		209		125		7		2	
72 Boiler-makers.....	113	113		74		34		3		2	
73 Brick and stone masons and tile layers.....	94	94		44		45		5			
74 Cabinetmakers.....	16	16		7		9					
75 Carpenters.....	501	501		347		150		1		3	
76 Cement finishers.....	14	14		7		7					
77 Compositors, linotypers, and typesetters.....	25	21	4	18	4	3					
78 Cranemen, derrickmen, hoistmen, etc.....	150	159		114		43		2			
79 Electricians.....	738	737	1	637	1	91		5		4	
80 Engineers (stationary).....	3,547	3,547		2,942		579		22		4	
81 Forgemasters and hammermen.....	11	11		8		1		2			
82 Machinists.....	1,133	1,133		843		273		14		3	

¹ Included, in other occupation tables, in the group "Mining engineers."

² Because of indefinite returns by census enumerators, there probably is some overlapping between persons engaged in the production of natural gas and those engaged in the production and distribution of artificial gas.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
1,090	26	1,568	67	4,837	237	7,503	279	5,087	141	3,985	53	1,708	15	553	8	77	2	32	1	
				2	28	31	217	81	57	60	19	1	8	1	11				2	
				31	1	102	3	300	5	203	3	155		48				1	3	
				102	1	220	8	237		179		63		19				1	4	
2		5				4	4	6	3	8		1		3					5	
						63	1	32	20	20		8		4					6	
						7		5	11	11		4		1					7	
		10		28		30		46	13	8				2					8	
				2		19		36	40	1		27		20				1	9	
		3		5		141	25	88	23	34	5	27		15		4		1	10	
1	1	14	7	94	27	143	47	98	25	54	10	27		5		5			11	
18	2	33	14	130	21	125		192		164	1	88		35		6	1		12	
		2		24		13		21		15		2		1		1			13	
				1		4		2				1							14	
15		13		4		8		0		3		5		2					15	
				3		161		179		134		101		45		9		1	16	
		6		21		32		26		11		6		2		1			17	
3	0	7	39	17	157	7	157	6	66	2	13		4	2	2				18	
4		9		41		25		28		10		7		3					19	
		1		1		9	2	3		11	1	5		1					20	
				2		4		7		15		5		1		1			21	
		2		3		33		29		27		17		7		1			22	
1		2		10		14	1	7		7		1							23	
		2		15		38		21		2		2							24	
		2		12		30		15		10		2							25	
1		2		7		20		37		41		14		11				1	26	
		4		7		49		56		40		17		3					27	
		3		14		37		44		23		7		5					28	
		1		3		15		30		21		15		3					29	
		1		1		6		7		10		2		2					30	
		1		1		12		11		7		4							31	
																				32
17		56		196		273		145		69		21		4		1			33	
4		2		14		22		24		18		11		3					34	
		1		11		29		43		40		10		2			1		35	
				5		14		32		64		81		33		4			36	
				1		2		4		7		7		3					37	
929	10	1,271	6	3,658	17	5,231	27	3,680	9	2,301	8	817	5	228	3	17	1	28	38	
89	3	104	1	298	12	14		12		10		10		20		17			39	
5		3		8		380	16	307	13	166	6	70	1	2		6			40	
872	293	2,923	1,390	14,640	4,355	30,702	3,304	25,431	1,465	17,312	598	8,279	159	2,380	15	223	5	80	6	
				2		13	1	16		20		14		8		2			42	
		6	1	140	14	1,083	25	1,433	35	1,040	9	542	3	125		11		2	43	
1		14		202	4	1,271	16	1,642	16	1,271	12	647	6	157		8		2	44	
						63		22		5				1					45	
		8		17		157	1	49	2	18		7		4					46	
				107		229		146		75		16		7		2		1	47	
		43		219	4	246	7	104	1	35	1	9		5		2			48	
				14		67		45		32		4		4					49	
				5		20		5		12		5		2					50	
				38		201		145		76		27		4		1			51	
				3		3		3		2		1		1					52	
				2		1		1	2	3		1							53	
																				54
		34	6	208	38	616	39	398	19	171	7	71	4	21		2		2	55	
		6		5		23		12		3		1		1					56	
				73	1	245	5	230	6	149	7	76	1	27	1	3	1	1	57	
15	43	113	270	789	1,113	1,054	1,126	521	488	247	193	149	52	35	2	5	2	1	58	
4	1	16	1	171	0	457	27	318	20	157	10	68	4	19				2	59	
244	120	849	550	3,235	1,409	4,063	1,293	2,156	533	1,207	232	605	51	203	6	24	3	12	60	
4		25		237	2	716	13	477	9	309	5	161	6	64		9			61	
				18		95		83	1	41		7		3		1			62	
				18		63	5	55	1	25		13		2		1			63	
				25	4	11	3	5	2	7		11		10		4			64	
141	8	72	6	25	4	9	105	5	15	1	3			2					65	
3	12	10	35	24	110	45	2	64	1	28	1	10	1	2					66	
		1		12	2	1		1		3		1							67	
				1		1		1		1									68	
6	1	29	5	218	8	522	22	359	31	179	10	77	4	17	2			2	69	
		7	1	20		26		27	1	18		4		1					70	
9	105	29	509	128	1,521	64	1,081	22	228	8	57	2	10	2				1	71	
				3		4		2		6		2							72	
						13		67		72		71		21		3		2	73	
		2		5		25		36		26		15		4		1			74	
		1		7		19		19		23		20		6					75	
						2		7		3		3		1					76	
		2		17		112		137		137		69		25		2			77	
				3		3		2		3		3							78	
1		5		7	2	4	1	2	1					2					79	
				8		54		62		28		7							80	
		13		109		300		193	1	95		16		5		9		1	81	
		14		276		1,132		950		681		390		93				2	82	
				2		3		4		2									83	
		14		81		343		360		212		94		22		6		1	84	

³ Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				CHEMICAL AND ALLIED INDUSTRIES—Continued							
Gas works—Continued.											
1 Mechanics (not otherwise specified).....	1,944	1,944		1,585		314		38		7	
2 Millwrights.....	52	52		44		7		1			
3 Painters, glaziers, and varnishers (building).....	121	121		85		36				2	
4 Pattern and model makers.....	11	11		9		2					
5 Plumbers and gas and steam fitters.....	7,468	7,468		6,000		1,220		188		50	
6 Tinsmiths and sheet-metal workers.....	105	105		70		29				1	
7 Toolmakers and die setters and sinkers.....	22	22		14		7					
8 Other skilled trades.....	7	7		5		1		1			
9 Apprentices:											
10 Plumbers' apprentices.....	30	30		34		2		1		1	
11 Other apprentices.....	66	66		64		7		1			
12 Charwomen and cleaners.....	80	11	69	3	38	7	25	1	5		1
13 Chauffeurs and truck and tractor drivers.....	3,069	3,069		2,673		285		99		12	
14 Draymen and teamsters.....	206	209		175		21		10			
15 Elevator tenders.....	71	64	7	36	7	18		10			
16 Firemen.....	1,809	1,809		855		608		249		7	
17 Guards, watchmen, and doorkeepers.....	932	932		550		343		36		3	
18 Janitors.....	575	525	50	218	20	157	19	145	11	5	
19 Laborers.....	28,897	28,884	13	14,594	6	8,925	2	4,310	5	1,110	3
20 Oilers of machinery.....	400	400		326		61		7			
21 Operatives.....	13,896	13,873	23	11,040	21	2,465	2	300		62	
22 Painters, glaziers, and varnishers (factory).....	205	31		172		77		5		11	
23 Policemen.....	31	31		27		4					
24 Porters.....	261	261		33		46		181		1	
25 All other occupations.....	47	33	14	19	11	3	3	11			
26 Paint and varnish factories.....	37,074	31,543	5,531	23,336	5,043	6,652	431	1,349	51	206	6
27 Owners, operators, and proprietors.....	921	906	15	750	13	149	2	1			
28 Managers and officials.....	2,675	2,615	60	2,353	65	260	5	1		1	
29 Foremen and overseers.....	1,395	1,337	58	1,056	50	263	8	14		4	
30 Chemical engineers ¹	94	94		79		15					
31 Chemists.....	1,260	1,244	16	1,071	13	165	3	7		1	
32 Civil engineers and surveyors.....	17	17		15		2					
33 Draftsmen.....	15	15		12		3					
34 Electrical engineers.....	10	10		7		3					
35 Mechanical engineers ¹	46	46		40		6					
36 Other professional pursuits.....	15	12	3	11	3	1					
37 Accountants and auditors.....	407	364	43	320	42	35	1				
38 Advertising agents.....	101	83	18	74	13	9					
39 Agents (not elsewhere classified).....	203	198	5	178	6	19				1	
40 Bookkeepers and cashiers.....	1,151	448	703	405	659	43	43		1		
41 Canvassers.....	17	15	2	14	2	1					
42 Clerks.....	3,148	1,894	1,254	1,672	1,187	211	65	8	1	8	1
43 Collectors.....	10	9	1	9	1						
44 Commercial travelers.....	1,538	1,533	5	1,430	4	103	1				
45 Credit men.....	150	151	5	142	5	9					
46 Messenger, errand, and office boys and girls.....	115	113	2	104	1	6	1	3			
47 Office appliance operators.....	144	8	136	7	124	1	12				
48 Purchasing agents.....	109	104	5	93	6	11					
49 Sales agents.....	7	7		6		1					
50 Salesmen and saleswomen.....	1,548	1,532	16	1,401	15	129	1	1		1	
51 Shipping clerks.....	1,210	1,200	10	1,022	8	167	2	19		2	
52 Stenographers and typists.....	2,013	64	1,949	61	1,836	3	113				
53 Weighers.....	16	13	3	9	2	3	1	1			
54 Blacksmiths.....	16	16		10		6					
55 Carpenters.....	98	98		65		32		1			
56 Compositors, linotypers, and typesetters.....	138	128	10	109	8	13	1	1	1		
57 Coopers.....	66	66		38		27		1			
58 Electricians.....	77	77		64		12		1			
59 Engineers (stationary).....	241	241		170		64		1			
60 Machinists.....	299	299		207		86		6			
61 Mechanics (not otherwise specified).....	160	160		120		36		4			
62 Millwrights.....	168	168		114		44					
63 Painters, glaziers, and varnishers (building).....	174	173	1	116	1	48		7		2	
64 Plumbers and gas and steam fitters.....	80	80		61		19					
65 Stonecutters.....	22	22		7		15					
66 Tinsmiths and sheet-metal workers.....	26	26		20		6					
67 Toolmakers and die setters and sinkers.....	11	11		7		4					
68 Other skilled trades.....	30	30		20		10					
69 Apprentices.....	34	34		31		3					
70 Chauffeurs and truck and tractor drivers.....	887	887		736		74		71		6	
71 Draymen and teamsters.....	82	82		67		12		3			
72 Elevator tenders.....	49	48	1	25	1	22		1			
73 Firemen.....	175	175		90		65		20			
74 Guards, watchmen, and doorkeepers.....	367	367		229		127		10		1	
75 Janitors.....	122	117	5	41	2	43	1	31	2	2	
76 Laborers.....	6,171	6,017	154	3,032	116	2,064	21	739	17	132	
77 Operatives.....	8,297	7,296	1,031	4,983	855	1,940	147	305	25	38	4
78 Painters, glaziers, and varnishers (factory) ²	818	806	12	529	8	241	1	25	2	11	1
79 Porters.....	87	87		17		7		64			
80 All other occupations.....	48	40	8	16	4	19	2	3	2	1	

¹ Included, in other occupation tables, in the group "Mining engineers."² Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CHEMICAL AND ALLIED INDUSTRIES—Continued											
1 Petroleum refineries.....	173,798	163,561	10,237	132,945	9,726	19,280	441	9,386	47	1,950	23
2 Owners, operators, and proprietors.....	444	442	2	415	2	27					
3 Managers and officials.....	7,372	7,295	77	6,854	71	435	6			6	18
4 Foremen and overseers.....	6,157	6,127	30	5,473	24	617	6	10			
5 Chemical engineers ¹	515	515		469		43					3
6 Chemists.....	3,079	3,054	25	2,810	23	230	2	6			8
7 Civil engineers and surveyors.....	916	916		834		82					
8 Draftsmen.....	786	773	13	681	12	90	1				2
9 Electrical engineers.....	202	202		182		20					
10 Lawyers.....	181	179	2	171	2	7		1			
11 Mechanical engineers ²	916	916		807		108					1
12 Photographers.....	23	22	1	22	1						
13 Trained nurses.....	42	9	33	9	32		1				
14 Other professional pursuits.....	16	12	4	9	4	3					
15 Accountants and auditors.....	3,345	3,263	82	3,077	80	181	2	1			4
16 Advertising agents.....	111	109	2	103	8	3					
17 Agents (not elsewhere classified).....	2,676	2,656	20	2,586	18	68	1	1	1	1	1
18 Bookkeepers and cashiers.....	4,399	3,146	1,253	3,025	1,210	111	41			10	2
19 Canvassers.....	27	26	1	26	1						
20 Clerks.....	13,937	11,409	2,528	10,876	2,422	493	103	19		17	3
21 Collectors.....	75	73	2	73	2						
22 Commercial travelers.....	1,441	1,433	8	1,378	3	58					2
23 Credit men.....	348	340	8	322	8	18					
24 Messenger, errand, and office boys and girls.....	433	419	19	367	19	20		31			1
25 Office appliance operators.....	551	56	495	52	476	4	19				
26 Purchasing agents.....	359	354	5	344	5	10					
27 Sales agents.....	57	57		55		2					
28 Salesmen and saleswomen.....	2,486	2,467	19	2,365	18	104	1	1			7
29 Shipping clerks.....	693	683	10	610	10	65		11			2
30 Stenographers and typists.....	5,434	533	4,861	561	4,674	21	164			1	13
31 Weighers.....	78	75	3	66	3	7		2			
32 Blacksmiths.....	577	577		423		139		7			8
33 Boilermakers.....	3,490	3,490		2,845		611		26			8
34 Brick and stone masons and tile layers.....	750	750		460		171		55			64
35 Cabinetmakers.....	15	15		9		6					
36 Carpenters.....	2,486	2,486		2,117		342		20			7
37 Cement finishers.....	39	39		25		11		2			1
38 Compositors, linotypers, and typesetters.....	50	47	3	44	3	3					
39 Coopers.....	430	430		252		158		10			1
40 Cranemen, derrickmen, hoistmen, etc.....	267	267		239		23		3			2
41 Electricians.....	1,795	1,794	1	1,682	1	106		3			3
42 Engineers (stationary).....	8,307	8,307		7,811		660		13			23
43 Forgemmen and hammermen.....	35	35		31		4					
44 Machinists.....	3,393	3,393		3,338		533		17			10
45 Mechanics (not otherwise specified).....	2,821	2,821		2,530		234		37			20
46 Millwrights.....	81	81		61		19		1			
47 Painters, glaziers, and varnishers (building).....	390	390		341		48		9			1
48 Pattern and model makers.....	27	27		25		2					
49 Plumbers and gas and steam fitters.....	7,081	7,081		6,166		850		45			30
50 Sawyers.....	18	18		16		2					
51 Skilled occupations (not elsewhere classified) ³	1,839	1,833	1	1,072	1	143		14			9
52 Tinsmiths and sheet-metal workers.....	249	249		204		45					
53 Toolmakers and die setters and sinkers.....	53	53		42		15		1			
54 Other skilled trades.....	11	11		8		3					
Apprentices:											
55 Plumbers' apprentices.....	25	25		22		3					
56 Other apprentices.....	112	112		105		5					2
57 Charwomen and cleaners.....	19	4	15	3	5		9	1	1		
58 Chauffeurs and truck and tractor drivers.....	5,861	5,861		5,409		269		163			30
59 Draymen and teamsters.....	405	405		280		18		107			
60 Elevator tenders.....	34	25	9	19	9	6					
61 Firemen.....	4,226	4,226		3,200		871		81			14
62 Guards, watchmen, and doorkeepers.....	1,989	1,989		1,515		442		25			7
63 Housekeepers and stewards ⁴	26	19	7	10	5	7	2	1			1
64 Janitors.....	490	449	41	220	31	129	8	94	1	6	1
65 Laborers.....	40,816	40,645	171	23,043	111	7,473	23	7,828	35	1,401	2
66 Officers of machinery.....	674	673	1	612	1	39					5
67 Operatives.....	25,274	24,781	493	21,465	431	2,562	51	548	9	206	2
68 Painters, glaziers, and varnishers (factory).....	1,304	1,303	1	1,093	1	177		27			6
69 Policemen.....	46	46		37		9					
70 Porters.....	162	162		10		10		140			2
71 All other occupations.....	3		3		2		1				
72 Rayon factories.....	33,982	21,573	12,409	19,382	11,790	1,322	586	867	32	2	1
73 Owners, operators, and proprietors.....	33	37	1	19	1	13					
74 Managers and officials.....	240	225	15	192	15	33					
75 Foremen and overseers.....	1,559	1,274	285	1,173	259	100	26	1			
76 Chemical engineers ¹	54	54		48		6					
77 Chemists.....	548	530	18	469	18	61					
78 Civil engineers and surveyors.....	20	20		15		5					
79 Draftsmen.....	31	31		24		7					
80 Electrical engineers.....	18	18		17		1					
81 Mechanical engineers ²	83	83		61		22					
82 Trained nurses.....	14		14		14						
83 Other professional pursuits.....	10	6	4	4	3	2	1				

¹Included, in other occupation tables, in the group "Mining engineers."
²Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

Table with 20 columns representing age groups (10 to 17 years old to 75 years and over) and 2 columns for sex (Male, Female). Rows contain numerical data for each category, with a final column for age unknown.

3 Most of these were returned as "distillers," "refiners," or "treators." 4 Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CHEMICAL AND ALLIED INDUSTRIES—Continued											
Rayon factories—Continued.											
1 Accountants and auditors.....	96	90	6	70	6	11					
2 Agents (not elsewhere classified).....	22	21	1	19	1	2					
3 Bookkeepers and cashiers.....	190	99	91	92	84	7	7				
4 Clerks.....	929	666	263	634	258	31	5	1			
5 Commercial travelers.....	25	25		20		5					
6 Messenger, errand, and office boys and girls.....	22	19	3	18	3	1					
7 Office appliance operators.....	16	3	13	3	13						
8 Purchasing agents.....	21	21		19		2					
9 Salesmen and saleswomen.....	38	34	4	28	4	6					
10 Shipping clerks.....	132	131	1	121	1	10					
11 Stenographers and typists.....	292	10	282	10	269		13				
12 Weighers.....	41	13	28	13	26		2				
13 Other clerical pursuits.....	12	12		12							
14 Blacksmiths.....	29	29		24		5					
15 Boilermakers.....	11	11		11							
16 Brick and stone masons and tile layers.....	45	45		15		1		20			
17 Carpenters.....	351	351		334		16		1			
18 Cement finishers.....	10	10		9		1		1			
19 Cranemen, derrickmen, hoistmen, etc.....	10	10		9		1					
20 Electricians.....	299	299		285		13		1			
21 Engineers (stationary).....	253	253		223		20		1			
22 Loom fixers.....	32	32		27		5					
23 Machinists.....	761	761		689		72					
24 Mechanics (not otherwise specified).....	435	435		407		28					
25 Millwrights.....	124	124		116		8					
26 Painters, glaziers, and varnishers (building).....	18	18		18							
27 Plumbers and gas and steam fitters.....	321	321		299		21		1			
28 Tinsmiths and sheet-metal workers.....	31	31		28		3					
29 Other skilled trades.....	16	16		12		4					
30 Apprentices.....	20	19	1	17	1	2					
31 Chauffeurs and truck and tractor drivers.....	81	81		68		7		6			
32 Draymen and teamsters.....	27	27		25		2		2			
33 Dyers.....	72	71	1	56	1	15					
34 Firemen.....	73	73		52		13		8			
35 Guards, watchmen, and doorkeepers.....	129	128	1	115	1	12		1			
36 Janitors.....	144	138	6	52	3	18	2	68	1		
37 Laborers.....	4,962	4,451	511	3,662	487	225	12	603	12	1	
38 Oilers of machinery.....	137	137		126		11					
39 Operatives.....	20,940	10,087	10,853	9,540	10,316	470	518	76	18	1	1
40 Painters, glaziers, and varnishers (factory).....	149	140	8	134	3	12					
41 Policemen.....	30	30		30							
42 All other occupations.....	21	17	4	9	3	1		7	1		
43 Soap factories.....	22,933	18,091	4,892	18,137	4,406	4,272	421	591	53	91	12
44 Owners, operators, and proprietors.....	440	420	14	335	12	88	2	1		2	
45 Managers and officials.....	941	896	45	806	39	80	6			1	
46 Foremen and overseers.....	844	753	91	626	80	124	11	2		1	
47 Chemical engineers.....	46	46		41		5					
48 Chemists.....	437	413	24	347	22	68	2	6		2	
49 Draftsmen.....	33	33		31		2					
50 Electrical engineers.....	11	11		8		3					
51 Mechanical engineers.....	64	64		58		6					
52 Other professional pursuits.....	22	18	4	18	4						
53 Accountants and auditors.....	244	219	25	201	23	18	2				
54 Advertising agents.....	259	225	34	216	33	9	1				
55 Agents (not elsewhere classified).....	183	151	32	137	30	13	1	1	1		
56 Bookkeepers and cashiers.....	451	185	266	155	240	24	25	2	1	4	
57 Can vassers.....	168	90	78	81	87	6	4	3	6		1
58 Clerks.....	2,101	1,060	1,041	943	978	113	62	3	1	1	
59 Collectors.....	30	30		27		3					
60 Commercial travelers.....	841	821	20	765	18	52		3	2	1	
61 Credit men.....	49	48	1	44	1	4					
62 Messenger, errand, and office boys and girls.....	74	64	10	59	9	4		1	1		
63 Office appliance operators.....	78	3	75	3	68		2				
64 Purchasing agents.....	69	64	5	62	5	2					
65 Sales agents.....	2	2		2							
66 Salesmen and saleswomen.....	1,077	1,020	57	938	53	77	2	3	2	2	
67 Shipping clerks.....	422	415	7	341	6	63	1	10		1	
68 Stenographers and typists.....	949	23	926	23	800		35		1		
69 Weighers.....	22	17	5	15	5	2					
70 Blacksmiths.....	19	19		13		6					
71 Boilermakers.....	40	40		40							
72 Brick and stone masons and tile layers.....	19	19		10		9					
73 Carpenters.....	163	163		90		73					
74 Compositors, linotypers, and typesetters.....	62	61	1	55	1	5				1	
75 Coopers.....	66	66		38		28					
76 Cranemen, derrickmen, hoistmen, etc.....	12	12		11		1					
77 Electricians.....	122	122		107		15					
78 Engineers (stationary).....	314	314		233		78		3			
79 Machinists.....	501	501		348		147		4		2	
80 Mechanics (not otherwise specified).....	124	124		94		28		1		1	
81 Millwrights.....	92	92		79		12		1			
82 Plumbers and gas and steam fitters.....	251	251		212		39					
83 Tinsmiths and sheet-metal workers.....	44	44		32		12					
84 Other skilled trades.....	28	28		22		6					

*Included, in other occupation tables, in the group "Mining engineers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
		2	1	16	3	48	2	20		4									1
				3		10		5		3			1						2
1	2	6	10	28	40	38	27	16	11	7									3
20	9	87	42	206	105	207	81	83	21	37	1	2						2	4
				1		15		3		5		18							5
				3				2				1							6
				2				4											7
				7															8
				3		8		5		4									9
				4		13		8		1									10
				1				1											11
6		6		50		37		18		9		5							12
1		5		3		132		1		14		3							13
1	3	6	41	4	14	3	7	1	1	2	1	2							14
				3		5		4											15
		1		2		2		8		9		6			1				16
		1		1		5		2		2									17
				2		19		14		8		2							18
		7		27		86		100		92		31		8					19
				2		2		2		3		1							20
				5		3		2		2									21
				11		133		62		25		3		1					22
1		4		34		92		78		30		9		5					23
				3		9		9		7		2		2					24
				30		202		182		102		30		5		1			25
				18		156		108		51		10		3					26
				2		9		43		23		8		1					27
				1		6		3		2									28
				8		50		132		87		7							29
				1		2		10		3		2							30
				4		4		6		1									31
				2		1		1											32
12	1	3		22		29		17		3		3							33
4		3		3		7		4		4		3							34
3		3		3		19		14		9		2							35
5		7		13	1	24		22		11		5							36
				9		25		22		38		29		1					37
				2		14		27		41		28		5					38
				20		1,104	80	740	43	587	10	197		37	1				39
284	115	410	115	998	185	3,329	1,906	1,869	575	619	154	199	39	34	8	2	1	3	40
4		14		30		40		23		17		6							41
689	2,001	1,059	2,496	2,784	3,670	56		35		11		2		1					42
1		7		26		1		10		6		2							
				3		4		2		4		1		1					
410	378	803	770	2,824	1,519	4,885	1,271	4,137	574	2,921	273	1,543	82	497	16	59	4	12	5
				3		60		118		94		9		42		10	1		44
				38		232		13		280		4		2		2			45
				48		210		30		240		14		75		3		1	46
				8		24		8		3									47
				125		139		69		31		1		27		1			48
				12		15		2		1									49
				4		4		3		3									50
				11		27		15		7									51
				4		7		5		2		2							52
				51		99		45		15		4							53
				108		64		15		11		1		1					54
				37		40		35		19		4		3					55
				9		60		23		19		8		3					56
				22		85		6		5		5		7					57
				7		25		15		14		4		4					58
				40		333		283		315		54		14		1	1	1	59
				1		4		9		8		2		1					60
				16		114		289		110		5		13		1			61
				4		28		8		8									62
				5		2		1		1									63
				4		3		27		3									64
				2		2		1		1				2					65
				15		25		13		8									66
																			67
				1		1		1		1									68
				165		326		253		126		16		23		4			69
6	2	40		89		120		70		60		30		5		4		1	70
7		23		5		5		1		1		13		2		2			71
5	52	6		177		371		250		58		6		1		1			72
1	1			1		2		1		2		8							73
																			74
				3		18		5		5									75
				3		3		18		7									76
				10		3		3		1									77
				11		81		47		40		23		11		1			78
2				27		27		12		3		3		1					79
				5		10		24		8		9		9					80
								4		5									81
				23		45		31		17		3							82
				20		87		69		70		55		13					83
				59		164		146		81		33		4					84
				13		44		37		10		6		2					
				7		20		31		16		17		2					
				21		96		71		48		12		1					
				9		17		9		3		6		3					
				4		3		9		3		6		1					

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CHEMICAL AND ALLIED INDUSTRIES—Continued											
Soap factories—Continued.											
1 Chauffeurs and truck and tractor drivers.....	410	410		318		75		15		2	
2 Draymen and teamsters.....	71	71		50		18		3			
3 Elevator tenders.....	45	44	1	23		16	1	6			
4 Firemen.....	205	205		118		75		12			
5 Guards, watchmen, and doorkeepers.....	205	205		134		69		2			
6 Janitors.....	81	75	6	33	3	24	2	18	1		
7 Laborers.....	4,799	4,666	233	2,464	184	1,728	35	338	12	40	2
8 Oilers of machinery.....	35	35		22		12		1			
9 Operatives.....	5,289	3,405	1,884	2,261	1,630	994	220	126	25	24	9
10 Painters, glaziers, and varnishers (factory).....	48	48		38		9		1			
11 Porters.....	53	53		10		17		26			
12 All other occupations.....	24	12	12	10	5	2	7				
13 Other chemical factories.....	179,890	143,373	36,507	100,964	32,563	31,992	3,351	9,530	539	887	64
14 Owners, operators, and proprietors.....	4,353	4,129	224	3,149	188	920	30	34	4	20	2
15 Managers and officials.....	9,281	8,318	463	7,788	418	1,014	43	7		9	2
16 Foremen and overseers.....	6,670	5,850	811	4,573	728	1,211	79	66	4	9	
17 Chemical engineers ¹	1,107	1,107		961		145				1	
18 Chemists.....	10,916	10,384	532	8,331	451	1,862	76	153	5	33	
19 Civil engineers and surveyors.....	287	287		257		30					
20 Designers.....	32	30	2	24	2	6					
21 Draftsmen.....	441	433	8	361	7	72	1				
22 Electrical engineers.....	275	275		241		32		2			
23 Lawyers.....	45	45		39		5		1			
24 Mechanical engineers ²	737	736	1	624	1	111				1	
25 Photographers.....	16	16		13		3					
26 Social and welfare workers.....	9	8	1	5	1	2				1	
27 Trained nurses.....	36	1	35	1	30		5				
28 Accountants and auditors.....	1,717	1,556	161	1,401	152	155	9				1
29 Advertising agents.....	295	249	46	228	43	21	2				2
30 Agents (not elsewhere classified).....	981	804	177	713	148	74	6	15	21	2	1
31 Bookkeepers and cashiers.....	4,841	1,848	2,993	1,657	2,720	183	264	3	8	5	1
32 Canvassers.....	530	270	260	215	230	30	17	9	27	1	1
33 Clerks.....	16,118	7,974	7,144	6,993	6,627	895	498	70	16	10	3
34 Collectors.....	51	43	8	35	7	4	1	4			
35 Commercial travelers.....	4,635	4,451	184	4,097	183	313	10	31	16	10	
36 Credit men.....	247	229	18	211	18	18					
37 Messenger, errand, and office boys and girls.....	655	590	65	519	54	31	8	36	3	4	
38 Office appliance operators.....	352	36	316	28	300	7	16			1	
39 Purchasing agents.....	593	480	23	439	22	39	1				
40 Sales agents.....	102	79	23	69	22	7	1	2			
41 Salesmen and saleswomen.....	4,605	4,312	293	3,854	256	404	18	39	10	15	7
42 Shipping clerks.....	3,179	3,063	116	2,462	100	516	10	88		7	1
43 Stenographers and typists.....	9,114	332	8,782	311	8,294	19	466	1	14	1	8
44 Woighers.....	210	151	59	118	50	28	8	5			
45 Blacksmiths.....	314	314		170		139		4		1	
46 Boilermakers.....	247	247		204		42		1			
47 Brick and stone masons and tile layers.....	250	250		165		89		4		2	
48 Cabinetmakers.....	29	29		16		12		7			
49 Carpenters.....	1,494	1,404	90	1,021		434		1		2	
50 Cement finishers.....	11	11		4		5		2			
51 Compositors, linotypers, and typesetters.....	446	382	64	331	62	47	2	4			
52 Coopers.....	264	264		134		124		5		1	
53 Coppersmiths.....	48	48		32		16					
54 Crane-men, derrickmen, hoistmen, etc.....	396	396		250		137		9			
55 Electricians.....	1,469	1,469		1,204		200		4		1	
56 Engineers (stationary).....	2,803	2,803		2,218		544		39		5	
57 Engravers.....	18	17	1	13	1	4					
58 Machinists.....	3,317	3,317		2,393		876		44		4	
59 Mechanics (not otherwise specified).....	1,526	1,526		1,188		302		34		2	
60 Millwrights.....	840	840		643		188		8		1	
61 Painters, glaziers, and varnishers (building).....	78	78		57		20		1			
62 Pattern and model makers.....	42	42		28		14					
63 Plumbers and gas and steam fitters.....	2032	2032		1697		323		9		3	
64 Sawyers.....	16	16		14		2					
65 Tinsmiths and sheet-metal workers.....	216	216		151		62		3			
66 Toolmakers and die setters and sinkers.....	181	181		114		67					
67 Other skilled trades.....	31	30	1	25	1	4		1			
Apprentices:											
68 Machinists' apprentices.....	31	31		28		3					
69 Other apprentices.....	163	157	6	146	4	7	2	2		2	
70 Charwomen and cleaners.....	51	16	35	7	19		10	2	6		
71 Chauffeurs and truck and tractor drivers.....	3,332	3,332		2,703		382		224		23	
72 Draymen and teamsters.....	461	461		320		83		57		1	
73 Elevator tenders.....	132	125	7	63	4	39		22	3	1	
74 Firemen.....	2,031	2,031		1,061		748		226		6	
75 Guards, watchmen, and doorkeepers.....	1,353	1,346	7	885	5	417		44		1	
76 Housekeepers and stewards.....	20	3	17	3	12	4					
77 Janitors.....	655	614	41	239	16	215	19	153	5	7	1
78 Laborers.....	38,200	36,508	1,692	17,150	1,267	12,373	204	6,482	184	563	7
79 Oilers of machinery.....	308	308		260		98		8		2	
80 Operatives.....	34,742	22,814	11,928	15,794	10,131	5,649	1,538	1,248	224	123	35
81 Painters, glaziers, and varnishers (factory).....	503	451	52	351	18	105	2	14	2	1	
82 Policemen.....	60	59	1	50	1	8		1			
83 Porters.....	397	397		60		44		293			

¹ Included, in other occupation tables, in the group "Mining engineers."
² Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits, clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
2		14		88		153		98		44		9		2						1	
																				2	
																				3	
1		2		2	1	8		17		7		6		1						4	
1		1		11		40		60		60		28		4						5	
		1		1		12		21		61		71		33						6	
		1		2	1	9		5	2	19		26		13						7	
114	24	237	43	685	72	1,107	48	1,077	31	847	9	370	6	114						8	
																					9
177	220	220	342	569	553	842	410	686	222	527	98	275	32	104	5	12				10	
																					11
2																					12
4																					13
2,901	2,788	5,822	5,016	19,932	10,876	38,691	9,342	35,243	4,692	24,001	2,512	12,294	982	3,969	260	511	40	79	29	14	
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* Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
1 Cigar and tobacco factories.....	140,563	70,970	78,593	40,468	49,865	14,443	9,855	15,789	18,512	280	561
2 Owners, operators, and proprietors.....	2,054	2,619	35	1,069	29	929	5	17	1	4	
3 Managers and officials.....	2,009	1,960	49	1,712	41	248	8	1		1	
4 Foremen and overseers.....	3,321	2,666	655	2,226	583	380	60	58	11	2	1
5 Chemists.....	37	35	2	32	2	3					
6 Draftsmen.....	13	13		11		2					
7 Electrical engineers.....	19	19		18		1					
8 Mechanical engineers.....	16	16		14		1					
9 Trained nurses.....	25		25		21		1		3		
10 Other professional pursuits.....	15	14	1	13		1	1				
11 Accountants and auditors.....	312	305	7	266	6	39	1				
12 Advertising agents.....	53	51	2	46	2	5					
13 Agents (not elsewhere classified).....	125	124	1	103	1	21					
14 Bookkeepers and cashiers.....	1,844	1,081	763	1,009	608	72	63		2		
15 Canvassers.....	9	8	1	8	1						
16 Clerks.....	3,121	2,056	1,065	1,779	974	241	62	33	27	3	2
17 Collectors.....	11	11		8		3					
18 Commercial travelers.....	2,066	2,061	4	1,927	4	129		4		1	
19 Credit men.....	55	50	5	44	5	6					
20 Messenger, errand, and office boys and girls.....	115	102	13	79	11	5	2	18			
21 Office appliance operators.....	73	3	70	3	66		4				
22 Purchasing agents.....	193	193		192		1					
23 Sales agents.....	15	14	1	13	1			1			
24 Salesmen and saleswomen.....	1,612	1,612	30	1,420	28	178	2	11		3	
25 Shipping clerks.....	1,086	900	76	700	47	132	10	68	10		
26 Stenographers and typists.....	1,079	53	1,026	51	970	2	52		2		2
27 Weighers.....	243	53	190	37	174	3	7	13	9		
28 Blacksmiths.....	18	18		13		2		3			
29 Carpenters.....	211	211		174		25		12			
30 Compositors, linotypers, and typesetters.....	48	47	1	44	1	2				1	
31 Coopers.....	219	219		67				162			
32 Electricians.....	108	108		107		1					
33 Engineers (stationary).....	160	160		122		26		12			
34 Machinists.....	1,468	1,468		1,245		159		64			
35 Mechanics (not otherwise specified).....	402	402		294		88		20			
36 Millwrights.....	48	48		45		3					
37 Plumbers and gas and steam fitters.....	82	82		78		3		1			
38 Tinsmiths and sheet-metal workers.....	46	46		43		1		1			
39 Toolmakers and die setters and sinkers.....	18	18		14		3				1	
40 Other skilled trades.....	37	37		27		3		7			
41 Apprentices.....	180	143	37	130	32	12	3	1	2		
42 Charwomen and cleaners.....	44	1	43		4		3	1	36		
43 Chauffeurs and truck and tractor drivers.....	727	727		503		44		176		4	
44 Draymen and teamsters.....	50	50		33		4		10			
45 Elevator tenders.....	108	107	1	20	1	9		72			
46 Firemen.....	233	233		94		23		116			
47 Guards, watchmen, and doorkeepers.....	400	460	4	344	2	84		28	2		
48 Janitors.....	195	158	37	33	6	19	1	105	30	1	
49 Laborers.....	20,581	14,094	6,487	4,333	2,728	870	272	8,863	3,391	28	90
50 Oilers of machinery.....	78	77	1	57	1	6		14			
51 Operatives.....	103,716	35,767	67,948	19,151	43,419	10,640	9,093	5,745	14,076	231	460
52 Painters, glaziers, and varnishers (factory).....	34	33	1	27	1	3		3			
53 Porters.....	176	176		23		13		140			
54 All other occupations.....	13	1	12	1	6		5		1		
CLAY, GLASS, AND STONE INDUSTRIES											
55 Brick, tile, and terra-cotta factories.....	97,245	93,094	4,151	59,802	3,758	16,518	230	14,245	111	2,529	52
56 Owners, operators, and proprietors.....	1,428	1,417	11	1,207	10	202	1	2		6	
57 Managers and officials.....	3,001	2,966	36	2,695	36	266		3		1	
58 Foremen and overseers.....	2,889	2,866	23	2,355	23	437		50		24	
59 Chemists.....	171	171		152		15				4	
60 Civil engineers and surveyors.....	56	56		53		3					
61 Designers.....	81	67	14	44	11	22	3			1	
62 Draftsmen.....	254	251	3	205	2	45	1			1	
63 Electrical engineers.....	33	33		32		1					
64 Mechanical engineers ¹	51	51		46		5					
65 Mining engineers ¹	14	14		13		1					
66 Other professional pursuits.....	16	9	7	7	7	2					
67 Accountants and auditors.....	240	228	12	214	11	14	1				
68 Agents (not elsewhere classified).....	91	89	2	80	2	9					
69 Bookkeepers and cashiers.....	1,200	750	450	426	37	22				2	2
70 Clerks.....	1,540	1,092	448	1,019	423	66	22	5	1	2	2
71 Commercial travelers.....	553	351	2	329	2	21				1	
72 Credit men.....	20	20		19		1					
73 Messenger, errand, and office boys and girls.....	44	41	3	32	3			8			
74 Office appliance operators.....	15	2	13	1	12	1					
75 Purchasing agents.....	33	32	1	30	1	2			1		
76 Salesmen and saleswomen.....	643	638	5	589	5	49					
77 Shipping clerks.....	313	309	4	269	3	31	1	6		3	
78 Stenographers and typists.....	1,031	53	978	50	949	2	27	1			2
79 Weighers.....	12	10	2	10	2						
80 Other clerical pursuits.....	27	27		22		4		1			

¹ Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CLAY, GLASS, AND STONE INDUSTRIES—Continued											
Brick, tile, and terra-cotta factories—Contd.											
1 Blacksmiths.....	291	291		191		82		14		4	
2 Boilermakers.....	16	16		10		5				1	
3 Brick and stone masons and tile layers.....	1,072	1,072		679		256		90		88	
4 Carpenters.....	367	367		289		59		6		3	
5 Coopers.....	12	12		11		1					
6 Cranemen, derrickmen, hoistmen, etc.....	326	326		266		47		12		2	
7 Electricians.....	184	184		172		10		2			
8 Engineers (stationary).....	953	953		808		125		18		2	
9 Machinists.....	1,018	1,018		842		137		31		8	
10 Mechanics (not otherwise specified).....	510	510		392		93		17		8	
11 Millwrights.....	104	104		88		15		1			
12 Painters, glaziers, and varnishers (building).....	18	18		12		2		3		1	
13 Pattern and model makers.....	184	182	2	146	2	36					
14 Plumbers and gas and steam fitters.....	54	54		41		10		1		2	
15 Toolmakers and die setters and sinkers.....	24	24		20		4					
16 Other skilled trades.....	34	34		29		5					
17 Apprentices.....	96	94	2	84	2	7		1		2	
18 Chauffeurs and truck and tractor drivers.....	2,221	2,221		1,686		176		302		57	
19 Draymen and teamsters.....	448	448		278		69		99		2	
20 Firemen.....	2,519	2,519		1,497		593		399		30	
21 Guards, watchmen, and doorkeepers.....	549	548	1	373	1	127		40		8	
22 Janitors.....	74	73	1	28		18	1	25		2	
23 Laborers.....	59,543	58,792	751	33,900	594	10,709	54	12,095	85	2,028	18
24 Oilers of machinery.....	74	74		58		6		7		3	
25 Operatives.....	12,884	11,535	1,349	7,602	1,210	2,666	95	986	21	281	23
26 Painters, glaziers, and varnishers (factory).....	72	49	23	31	17	14	1	2		2	5
27 All other occupations.....	42	34	8	16	4	9	1	9	3		
28 Glass factories.....	97,729	84,947	12,782	60,302	11,441	14,738	709	3,487	510	420	32
29 Owners, operators, and proprietors.....	943	933	10	614	9	318	1	1			
30 Managers and officials.....	2,044	2,015	29	1,770	25	235	4			1	
31 Foremen and overseers.....	3,228	3,133	95	2,672	86	444	9	15		2	
32 Chemical engineers ¹	23	23		22		1					
33 Chemists.....	201	199	2	177	2	21		1			
34 Civil engineers and surveyors.....	68	68		62		6					
35 Designers.....	161	148	13	101	11	40	2	1			
36 Draftsmen.....	214	212	2	184	2	28					
37 Electrical engineers.....	51	51		44		6		1			
38 Lawyers.....	10	10		10							
39 Mechanical engineers ²	152	152		132		20					
40 Trained nurses.....	18	1	17		16	1	1				
41 Other professional pursuits.....	4	2	2	1	2	1					
42 Accountants and auditors.....	342	316	26	290	25	26	1				
43 Advertising agents.....	16	14	2	14		2					
44 Agents (not elsewhere classified).....	140	136	4	118	4	18					
45 Bookkeepers and cashiers.....	1,359	656	703	622	641	34	62				
46 Clerks.....	3,079	2,167	912	1,996	870	161	40	6	2	4	
47 Collectors.....	10	8	2	6	2	2					
48 Commercial travelers.....	387	384	3	352	3	31		1			
49 Credit men.....	62	61	1	57	1	4					
50 Messenger, errand, and office boys and girls.....	103	98	5	89	5	3		6			
51 Office appliance operators.....	51	8	43	6	40	2	3				
52 Purchasing agents.....	79	77	2	77	2						
53 Salesmen and saleswomen.....	532	564	18	525	18	35	3	1		3	
54 Shipping clerks.....	880	848	32	745	26	85	3	18			
55 Stenographers and typists.....	1,693	87	1,626	64	1,561	3	64		1		
56 Weighers.....	27	16	11	13	10	2	1	1			
57 Other clerical pursuits.....	17	16	1	14	1	2					
58 Blacksmiths.....	238	238		183		53		2			
59 Boilermakers.....	22	22		17		3		2			
60 Brick and stone masons and tile layers.....	249	249		145		102		2			
61 Carpenters.....	521	521		456		59		3		3	
62 Compositors, linotypers, and typesetters.....	21	18	3	17	3	1					
63 Coopers.....	62	62		58		3		1			
64 Cranemen, derrickmen, hoistmen, etc.....	330	330		273		53		4			
65 Electricians.....	705	705		660		41		3		1	
66 Engineers (stationary).....	540	540		463		75		2			
67 Engravers.....	231	209	22	130	21	77	1	2			
68 Glass blowers.....	3,069	2,965	44	2,126	42	794	2	33		12	
69 Goldsmiths and silversmiths.....	11			9		2					
70 Machinists.....	2,472	2,472		2,150		290		20		3	
71 Mechanics (not otherwise specified).....	466	466		400		56		1			
72 Millwrights.....	217	217		194		23					
73 Pattern and model makers.....	81	80	1	65	1	15					
74 Plumbers and gas and steam fitters.....	317	317		291		25		1			
75 Sawyers.....	35	35		35							
76 Tinsmiths and sheet metal workers.....	67	67		61		6					
77 Toolmakers and die setters and sinkers.....	59	59		44		15					
78 Other skilled trades.....	18	18		12		6					

¹ Included, in other occupation tables, in the group "Mining engineers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES--Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

Table with columns for age groups (10 TO 17 YEARS OLD, 18 AND 19 YEARS OLD, 20 TO 24 YEARS OLD, 25 TO 34 YEARS OLD, 35 TO 44 YEARS OLD, 45 TO 54 YEARS OLD, 55 TO 64 YEARS OLD, 65 TO 74 YEARS OLD, 75 YEARS AND OVER, AGE UNKNOWN) and rows for Male and Female counts. The table is very dense with many rows of data.

2 Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CLAY, GLASS, AND STONE INDUSTRIES—Continued											
Glass factories—Continued.											
Apprentices:											
1	40	40		37		3					
2	186	177	8	166	7	9	1	1		1	1
3	896	894	2	740	2	83		68		3	1
4	101	101		73		15		12			
5	67	60	7	41	5	19	2				
6	528	528		370		107		49		2	1
7	618	612	6	445	5	151	6	15		4	4
8	210	186	24	92	12	30	1	60	6	262	13
9	28,108	26,362	1,746	18,918	1,466	4,809	105	2,313	162	262	13
10	126	126		106		11		8		1	
11	40,853	33,554	7,299	26,516	6,458	6,147	484	776	338	115	10
12	287	242	45	191	41	49	4	2		1	
13	65	65		12		6		46		1	
14	30	16	14	11	11	5	2		1		
15	83,686	80,827	2,859	53,898	2,552	15,292	176	7,813	54	3,824	27
16	1,997	1,980	17	1,521	12	431	5	16		12	
17	3,101	3,050	51	2,814	47	284	4	2			
18	3,592	3,579	13	3,025	13	497		43		14	
19	906	901	5	845	5	53		3			
20	318	318		298		29				1	
21	15	15		10		4		1			
22	199	199		176		23					
23	110	110		99		11					
24	160	160		144		22					
25	94	94		81		13					
26	10	9	1	9	1						
27	431	416	15	380	15	36					
28	33	32	1	32		1					
29	210	208	2	193	1	15	1				
30	1,255	814	441	755	416	23	25			1	
31	10	10		9		1					
32	2,457	1,969	488	1,840	407	117	21	10		2	
33	630	623	7	602	1	24		3			
34	42	42		41		1					
35	75	74	4	68	1	2		3	3	1	
36	30	8	22	8	20		2				
37	108	108		103		5					
38	811	807	4	767	4	39		1			
39	222	219	3	199	3	19		1			
40	1,348	109	1,237	102	1,192	3	42		2	1	1
41	95	95		75		12		6		2	
42	14	14		12		2					
43	406	496		356		131		1		8	
44	105	105		79		23		2		4	
45	310	310		199		95		12		1	
46	699	699		577		111		5		6	
47	462	462		233		147		68		14	
48	75	75	1	12	1	1					
49	864	864		61		8		6			
50	1,144	1,144		768		92		10		4	
51	1,626	1,626		1,052		91		1		2	
52	1,626	1,626		1,396		202		26		2	
53	1,604	1,604		1,377		276		24		17	
54	749	749		607		97		31		14	
55	549	549		439		105		4		1	
56	23	23		19		3		1			
57	122	122		75		46		1			
58	153	153		128		21		1		3	
59	16	16		15		1					
60	62	62		51		11					
61	13	13		12		1					
62	19	19		13		5		1			
63	60	58	2	55	2	2				1	
64	2,859	2,859		2,246		242		315		56	
65	365	365		261		30		54		11	
66	27	27		16		6		4		1	
67	1,313	1,313		877		309		112		15	
68	782	782		537		195		45		5	
69	144	134	10	61	6	36	2	30		7	
70	38,634	38,475	159	20,523	99	8,639	25	6,016	25	3,297	10
71	477	476	1	339	1	110		13		14	
72	11,895	11,069	326	7,224	243	2,611	45	927	22	307	16
73	62	61	1	54		5		1		1	
74	20	20		15		5					
75	26	22	4	3	1	5	3	14			

Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
25		8		7		9		1												1	
51	7	57		58	1	346	2	170		74		10		6		1		1		2	
10		52		201		26		13		21		10		3						3	
		7		21		7		14	2	11	2	8		8		1				4	
2		1		5	1	83		137		143		80		39		3				5	
3		1		4		19		41	3	143	1	211	2	162		31				6	
		1		6	1	21	5	22	8	41	4	49		33	2	8				7	
6		2		4		5,765	349	4,718	189	3,712	112	2,139	46	752	10	79				8	
1,864	267	2,538	310	4,773	461	35		17		24		16		2		1		22	1	9	
3		10		19		73		41	5	36		15		4		4				10	
1,366	1,056	2,108	1,289	5,616	2,012	8,764	1,521	7,404	862	4,966	384	2,473	188	761	20	84	4	14	7	11	
5		18		50	9	15		19		11		15		1						12	
2		2		4		2		1	6	4		3		6		1				13	
				1	2							1								14	
980	92	2,486	293	10,192	874	22,530	914	20,972	432	14,607	166	6,745	67	2,032	22	216	2	67	4	15	
		1		34	1	311	2	559	5	544	5	368	2	143	2	20				16	
		3		71		922	15	1,054	14	831	13	356	5	94	4	17		2		17	
		9	1	120	2	837	2	1,178	2	887	3	423	2	112		7		1		18	
		46		223	1	344	1	150	1	105		15	1	8	1	1				19	
				9		108		128		61		8		4						20	
				59		64		41		21		2		2						21	
				4		35		45		4		3		5						22	
				17		47		56		22		3		1						23	
				4		40		24		30		14		2						24	
				3		8		4	1	20		6								25	
										2										26	
																					27
		3	1	42	2	145	5	125	5	69	2	25		7						28	
		6		6	1	13		7		5				5						29	
		4		4		58		68	1	48	1	22		6				1		30	
2	10	28	22	160	111	293	158	172	100	87	26	52	13	18		2				31	
				1		1		5		2		2		2							32
45	11	88	36	423	145	606	179	394	71	195	31	97	11	47	4	9				33	
		1		28		211	1	231		100		47		12		1					34
				9		13		19		6		3									35
32	2	26		3		3		1		1		2									36
		3	4	3	3		14	2	1												37
		13		13		32		38		21		3									38
		3		46	1	237	1	259	2	137		58		13		2					39
2		7	1	40		77		55	1	25	1	12									40
4	30	8	122	51	502	30	416	6	134	7	25	7	7	2							41
		8		9		23		28		18		6		2		1					42
				2		5		3		2		1		1							43
				19		71		120		125		126		28		5					44
				2		23		38		32		10									45
				28		63		83		67		51		11		4					46
				35		143		194		173		100		37		7					47
				24		109		162		107		50		14		1					48
				3		4	1	2		1		1									49
				14		19		13		10		8		7		1					50
				7		356		264		112		29		4							51
				17		449		300		142		29		3		1					52
				10		440		446		373		186		59		4					53
				21		165		494		309		149		39		2					54
				9		213		248		149		57		10							55
				1		34		149		120		50		10							56
				2		5		9		3		3		1							57
				20		24		24		29		11		9							58
				16		42		49		29		10		3							59
				2		5		2		4		3									60
				4		16		16		17		7		1							61
				1		3		4		2		2									62
				3		8		4		2		1		1							63
																					64
24		13		19		2	2			185		36		8							65
33		123		662		1,246		563		71		54		19		2		2			66
10		16		37		74		82		3		9		1							67
		1		3		4		5		31		126		25		3					68
3		21		100		326		397		173		214		150		19					69
2		2		23		79		120		26		38		26		4					70
1		3		3	1	13	2	20	1	6	3	7	3	8							71
693	8	1,630	11	5,633	33	10,465	35	9,340	32	6,700	27	3,025	7	808	5	76		45	1		72
1		12		72	1	149		113		94		28		7							73
120	31	322	38	1,469	69	3,220	80	2,929	59	1,966	28	798	16	211	3	24	1	10	1		74
		1		9		2		22	1	10		3									75
1				2		4		5	1	7		4		3							76

² Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CLAY, GLASS, AND STONE INDUSTRIES—Continued											
1 Marble and stone yards.....	50,430	48,806	1,624	32,504	1,511	14,521	109	1,865	4	118	
2 Owners, operators, and proprietors.....	2,173	2,138	35	1,466	29	671	6	1			
3 Managers and officials.....	1,730	1,683	47	1,455	42	228	5				
4 Foremen and overseers.....	965	962	3	744	2	214	1	4			
5 Chemists.....	15	14	1	13	1	1					
6 Civil engineers and surveyors.....	28	28		22		6					
7 Designers.....	136	128	8	96	8	32					
8 Draftsmen.....	1,084	1,073	11	915	9	158	2				
9 Electrical engineers.....	14	14		13		1					
10 Mechanical engineers.....	18	18		15		3					
11 Other professional pursuits.....	17	16	2	12	2	3					
12 Accountants and auditors.....	121	110	11	102	11	8					
13 Agents (not elsewhere classified).....	122	109	13	99	13	10					
14 Bookkeepers and cashiers.....	960	489	471	446	423	43	48				
15 Canvassers.....	25	23	2	21	2	2					
16 Clerks.....	773	508	265	475	252	31	12	2	1		
17 Commercial travelers.....	522	522	6	480	6	32					1
18 Credit men.....	18	18		10		2					
19 Messenger, errand, and office boys and girls.....	44	41	3	37	3	3		1			
20 Purchasing agents.....	20	19	1	19	1						
21 Sales agents.....	13	13		11		2					
22 Salesmen and saleswomen.....	1,012	996	16	921	14	72	2	1		2	
23 Shipping clerks.....	155	155		127		26		2			
24 Stenographers and typists.....	730	32	698	29	670	3	28				
25 Other clerical pursuits.....	23	20	3	18	2	1	1	1			
26 Blacksmiths.....	558	558		378		176		4			
27 Brick and stone masons and tile layers.....	1,765	1,764	1	1,042	1	662		54			6
28 Carpenters.....	135	135		111		24					
29 Cranemen, derrickmen, hoistmen, etc.....	500	500		378		113		9			
30 Electricians.....	117	117		110		7					
31 Engineers (stationary).....	209	209		162		46		1			
32 Machinists.....	412	412		319		87		6			
33 Mechanics (not otherwise specified).....	250	250		208		34		7			1
34 Millwrights.....	80	80		64		15		1			
35 Pattern and model makers.....	80	80		54		24					2
36 Plumbers and gas and steam fitters.....	19	19		12		6		1			
37 Sawyers.....	868	868		741		120		6			1
38 Stonecutters.....	16,817	16,816	1	9,565	1	6,990		225			36
39 Tinsmiths and sheet metal workers.....	13	13		12		1					
40 Toolmakers and die setters and sinkers.....	45	45		35		9		1			
41 Other skilled trades.....	60	58	2	47	2	10		1			
Apprentices:											
42 Architects, designers, and draftsmen's apprentices.....	22	20	2	20	2						
43 Other apprentices.....	461	460	1	423	1	34		2			1
44 Chauffeurs and truck and tractor drivers.....	781	781		622		81		74			4
45 Draymen and teamsters.....	73	73		43		13		12			
46 Filers.....	39	39		29		10					
47 Firemen.....	83	83		60		16		7			
48 Guards, watchmen, and doorkeepers.....	170	169	1	130	1	37		2			
49 Janitors.....	28	27	1	12	1	5		10			
50 Laborers.....	8,102	8,097	5	5,126	5	1,929		1,007			35
51 Operatives.....	7,963	7,953	10	5,197	7	2,514		3			27
52 Painters, glaziers, and varnishers (factory).....	20	20		18		2					
53 All other occupations.....	37	32	5	20	1	4	1	8		3	
Potteries.....	42,921	33,876	9,045	26,393	8,074	6,168	694	939	62	401	215
55 Owners, operators, and proprietors.....	390	382	8	299	7	78	1				5
56 Managers and officials.....	1,005	979	26	846	24	132	2				1
57 Foremen and overseers.....	1,240	1,194	136	928	126	170	10	5			1
58 Chemists.....	231	229	2	200	1	28	1				1
59 Civil engineers and surveyors.....	20	20		18		2					
60 Designers.....	62	35	27	26	24	8					
61 Draftsmen.....	40	48	1	38	1	10		3			1
62 Electrical engineers.....	12	12		11		1					
63 Mechanical engineers.....	25	25		24		1					
64 Other professional pursuits.....	14	10	4	8	4	2					
65 Accountants and auditors.....	125	110	15	94	15	16					
66 Agents (not elsewhere classified).....	59	59		54		5					
67 Bookkeepers and cashiers.....	426	220	206	204	194	16	12				
68 Clerks.....	795	510	276	459	253	56	20	2	2		2
69 Commercial travelers.....	278	276	2	257	2	19					
70 Credit men.....	19	19		17		2					
71 Messenger, errand, and office boys and girls.....	37	31	6	31	6						
72 Office appliance operators.....	14	3	11	3	10		1				
73 Purchasing agents.....	29	29		20							
74 Salesmen and saleswomen.....	263	255	8	235	7	19				1	
75 Shipping clerks.....	367	339	18	274	18	61		4			
76 Stenographers and typists.....	608	21	587	20	574	1	13				
77 Weighers.....	12	12		11		1					
78 Other clerical pursuits.....	20	18	2	17	2	1					

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CLAY, GLASS, AND STONE INDUSTRIES—Continued											
Potteries—Continued.											
1 Blacksmiths.....	47	47		31		16					1
2 Brick and stone masons and tile layers.....	104	104		71		28		4			
3 Carpenters.....	156	156		124		30		2			
4 Compositors, linotypers, and typesetters.....	18	9	9	5	7	4	2				
5 Coopers.....	36	36		35		1					
6 Cranemen, derrickmen, hoistmen, etc.....	19	19		14		5					
7 Electricians.....	79	79		75		4					
8 Engineers (stationary).....	310	310		265		42		2			1
9 Engravers.....	28	28		3		25					
10 Machinists.....	320	320		254		64		2			
11 Mechanics (not otherwise specified).....	98	98		91		4		3			
12 Millwrights.....	80	80		60		11					
13 Pattern and model makers.....	41	41		29		12					
14 Plumbers and gas and steam fitters.....	39	39		32		4		3			
15 Sawyers.....	13	13		10		3					
16 Toolmakers and die setters and sinkers.....	32	32		26		6					
17 Other skilled trades.....	16	16		10		6					
18 Apprentices.....	47	38	9	31	8	5	1				
19 Chauffeurs and truck and tractor drivers.....	325	325		274		38		12			1
20 Draymen and teamsters.....	76	76		54		16		5			1
21 Guards, watchmen, and doorkeepers.....	226	224	2	160	2	59		5			
22 Janitors.....	78	63	15	28	11	23	1	12	3		
23 Laborers.....	11,278	10,369	909	7,484	815	1,017	74	677	19	201	1
24 Operatives.....	23,247	16,510	6,738	13,035	5,033	3,197	546	195	30	92	213
25 Painters, glaziers, and varnishers (factory).....	73	41	32	30	27	11	4		1		
26 All other occupations.....	45	39	6	25	3	8	3		0		
CLOTHING INDUSTRIES											
27 Corset factories.....	15,308	2,570	12,738	1,984	10,655	556	2,081	29	67	1	5
28 Owners, operators, and proprietors.....	219	160	59	106	43	53	16			1	
29 Managers and officials.....	392	242	150	203	133	38	17	1			
30 Foremen and overseers.....	393	93	300	69	263	24	37				
31 Designers.....	147	69	78	44	67	25	10		1		
32 Other professional pursuits.....	13	10	3	9	3	1					
33 Accountants and auditors.....	33	27	6	23	5	4	1				
34 Advertising agents.....	3	2	1	2	1						
35 Agents (not elsewhere classified).....	96	9	87	9	77	8			2		
36 Bookkeepers and cashiers.....	260	37	223	34	201	3	22				
37 Canvassers.....	93	93		78		14			1		
38 Clerks.....	820	221	605	195	552	20	51		2		
39 Commercial travelers.....	158	73	85	65	70	8	9				
40 Credit men.....	13	11	2	10	2	1					
41 Messenger, errand, and office boys and girls.....	48	31	17	30	15	1	1		1		
42 Office appliance operators.....	19	19		13		1	1				
43 Purchasing agents.....	23	12	11	12	9	1			1		
44 Sales agents.....	17	17		16		1					
45 Salesmen and saleswomen.....	374	82	292	63	261	18	29	1	2		
46 Shipping clerks.....	233	203	30	162	26	37	3	4	1		
47 Stenographers and typists.....	356	5	351	5	319		32				
48 Other clerical pursuits.....	1	1		1							
49 Compositors, linotypers, and typesetters.....	18	17	1	13	1	4					
50 Engineers (stationary).....	19	19		15		4					
51 Machinists.....	80	80		63		17					
52 Mechanics (not otherwise specified).....	13	13		8		3		2			
53 Pattern and model makers.....	11	11		7		4					
54 Other skilled trades.....	22	22		14		7		1			
55 Chauffeurs and truck and tractor drivers.....	21	21		17		4					
56 Firemen.....	21	21		10		8		3			
57 Guards, watchmen, and doorkeepers.....	35	35		22		12		1			
58 Janitors.....	33	25	8	14	6	9	2	2			
59 Laborers.....	350	133	217	88	179	41	37	4	1		
60 Operatives.....	10,921	852	10,069	656	8,226	193	1,786	3	52		5
61 All other occupations.....	47	33	14	15	8	11	3	7	3		
62 Glove factories.....	22,896	7,732	15,164	5,865	13,267	1,810	1,624	53	244	4	29
63 Owners, operators, and proprietors.....	441	428	13	294	11	134	2				
64 Managers and officials.....	309	288	21	243	19	45	2				
65 Foremen and overseers.....	596	320	276	263	253	57	20		1		2
66 Professional pursuits.....	8	6	2	4	1	2	1				
67 Accountants and auditors.....	33	30	3	26	3	4					
68 Agents (not elsewhere classified).....	13	13		10		3					
69 Bookkeepers and cashiers.....	271	72	199	65	177	7	20		1		1
70 Clerks.....	419	203	216	183	196	20	17		3		
71 Commercial travelers.....	120	120		108		12					
72 Credit men.....	16	14	2	13	2	1					
73 Messenger, errand, and office boys and girls.....	24	18	6	10	5	2	1				
74 Salesmen and saleswomen.....	108	103	5	86	3	17	2				
75 Shipping clerks.....	254	229	25	197	22	28	3		4		
76 Stenographers and typists.....	260	6	254	5	241	1	13				
77 Other clerical pursuits.....	21	10	11	10	11						

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official.

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				CLOTHING INDUSTRIES—Continued							
Glove factories—Continued.											
1 Engineers (stationary).....	14	14		10		4					
2 Machinists.....	98	98		80		18					
3 Mechanics (not otherwise specified).....	25	25		19		5		1			
4 Other skilled trades.....	23	21	2	21	2						
5 Chauffeurs and truck and tractor drivers.....	69	68	1	62	1	4		2			
6 Firemen.....	21	21		18		3					
7 Guards, watchmen, and doorkeepers.....	60	60		48		12					
8 Janitors.....	26	22	4	17	3	5		1			
9 Laborers.....	1,159	550	600	474	574	54	28	21	6	1	1
10 Operatives.....	18,465	4,955	13,510	3,571	11,738	1,365	1,515	16	232	3	25
11 All other occupations.....	43	38	5	22	5	7		9			
12 Hat factories (felt).....	34,770	24,248	10,522	13,755	7,985	9,768	2,281	654	188	73	68
13 Owners, operators, and proprietors.....	1,024	1,009	15	401	10	605	5	2		1	
14 Managers and officials.....	534	507	27	375	21	132	0				2
15 Foremen and overseers.....	744	540	204	384	154	155	47	1	1		
16 Chemists.....	12	12		10		2					
17 Designers.....	251	43	208	27	167	16	48		2		1
18 Mechanical engineers.....	17	17		15		2					
19 Other professional pursuits.....	10	6	4	4	4	2					
20 Accountants and auditors.....	58	53	5	49	5	4					
21 Agents (not elsewhere classified).....	25	24	1	19	1	5					
22 Bookkeepers and cashiers.....	591	122	469	108	386	13	82	1	1		
23 Clerks.....	1,023	601	422	520	382	99	36	9	3	3	1
24 Commercial travelers.....	220	219	1	188	1	29		1		1	
25 Credit men.....	25	23	2	23	2						
26 Messenger, errand, and office boys and girls.....	183	170	13	132	11	12		26	2		
27 Office appliance operators.....	14	1	13	1	11		1		1		
28 Purchasing agents.....	27	19	8	16	4	3	2		2		
29 Salesmen and saleswomen.....	189	174	15	138	10	33	3	3			2
30 Shipping clerks.....	505	498	7	349	7	90	1	54	1	3	
31 Stenographers and typists.....	444	24	420	21	385	2	34			1	1
32 Other clerical pursuits.....	24	21	3	17	3	4					
33 Carpenters.....	31	31		18		15					1
34 Compositors, linotypers, and typesetters.....	82	75	7	67	6	8	1				
35 Electricians.....	29	29		24		5					
36 Engineers (stationary).....	100	100		73		24		3			
37 Machinists.....	196	196		141		52		3			
38 Mechanics (not otherwise specified).....	42	42		28		13		1			
39 Millwrights.....	13	13		8		5					
40 Painters, glaziers, and varnishers (building).....	11	11		7		3		1			
41 Pattern and model makers.....	17	16	1	10	1	6					
42 Plumbers and gas and steam fitters.....	23	23		20		3					
43 Other skilled trades.....	18	16	2	8	1	8	1				
44 Apprentices.....	73	66	7	60	5	6	1				1
45 Chauffeurs and truck and tractor drivers.....	72	72		59		5		8			
46 Dyers.....	118	115	3	65	3	44		5		1	
47 Elevator tenders.....	32	32		19		5		8			
48 Firemen.....	84	84		40		31		13			
49 Guards, watchmen, and doorkeepers.....	115	115		71		42		2			
50 Janitors.....	39	34	5	14	1	5	2	15			2
51 Laborers.....	1,142	966	176	540	121	333	40	81	7	12	8
52 Operatives.....	20,454	17,981	8,473	9,074	6,290	7,962	1,968	294	105	51	50
53 Porters.....	138	138		8		10		120			
54 All other occupations.....	21	12	9	6	3	3	3	3	3		
55 Shirt, collar, and cuff factories.....	68,776	17,844	50,932	12,679	44,620	3,791	5,138	1,253	1,074	121	100
56 Owners, operators, and proprietors.....	848	828	20	438	16	389	4			1	
57 Managers and officials.....	818	769	49	611	44	156	5			2	
58 Foremen and overseers.....	1,658	661	997	516	908	137	79	8	10		
59 Designers.....	43	35	8	22	7	13	1				
60 Draftsmen.....	24	23	1	21	1	2					
61 Other professional pursuits.....	13	8	5	8	5						
62 Accountants and auditors.....	65	51	14	45	12	6	2				
63 Agents (not elsewhere classified).....	27	25	2	23	2	2					
64 Bookkeepers and cashiers.....	773	143	630	124	564	19	65		1		
65 Clerks.....	1,473	706	767	621	718	71	45	14	4		
66 Commercial travelers.....	278	278		235		43					
67 Credit men.....	32	31	1	26	1	5					
68 Messenger, errand, and office boys and girls.....	124	86	38	73	37	3	1	10			
69 Office appliance operators.....	31		31		30		1				
70 Purchasing agents.....	22	20	2	18	2	2					
71 Salesmen and saleswomen.....	389	356	33	291	27	61	3		3	4	
72 Shipping clerks.....	613	569	44	474	41	81	2	12	1	2	
73 Stenographers and typists.....	656	15	641	14	591	1	48		2		
74 Other clerical pursuits.....	29	17	12	15	11	1	1	1			
75 Carpenters.....	30	30		23		5		1		1	
76 Compositors, linotypers, and typesetters.....	26	26		23		3					
77 Electricians.....	30	26	4	23	4	3		1			
78 Engineers (stationary).....	49	49		34		14		1			
79 Machinists.....	386	386		323		60		3			
80 Mechanics (not otherwise specified).....	86	86		79		5		2			
81 Other skilled trades.....	34	34		27		7					

OCCUPATIONS—GENERAL REPORT

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MANUFACTURING AND

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INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CLOTHING INDUSTRIES—Continued											
Shirt, collar, and cuff factories—Continued.											
1 Apprentices.....	41	32	9	31	9	1					
2 Chauffeurs and truck and tractor drivers.....	116	116		105		4		5		2	
3 Elevator tenders.....	28	27	1	22		2		3	1		
4 Firemen.....	60	60		31		18		1			
5 Guards, watchmen, and doorkeepers.....	131	130	1	90		36	1	4		1	
6 Janitors.....	108	95	13	64	7	25	2	15	4	23	1
7 Laborers.....	4,136	2,314	1,822	1,617	1,646	135	108	539	67	23	1
8 Operatives.....	65,471	9,708	45,763	6,589	39,924	2,474	4,761	560	979	85	90
9 Porters.....	85	85		10		4		71			
10 All other occupations.....	63	29	24	23	13	4	9	2	2		
11 Suit, coat, and overall factories.....	319,138	226,486	86,652	52,321	61,148	158,879	22,336	12,552	2,523	2,034	645
12 Owners, operators, and proprietors.....	13,171	12,930	241	3,200	128	9,301	69	330	11	63	3
13 Managers and officials.....	1,935	1,813	122	1,171	94	618	26	18	2	6	
14 Foremen and overseers.....	1,941	1,255	686	446	572	803	108	5	4	1	2
15 Designers.....	1,410	1,327	83	319	59	1,008	23		1		
16 Draftsmen.....	18	18		15		3					
17 Photographers.....	13	10	3	2	3			1			
18 Other professional pursuits.....	26	21	4	18	3	3	1				
19 Accountants and auditors.....	128	112	16	88	16	21				3	
20 Advertising agents.....	36	32	4	29	4					2	
21 Agents (not elsewhere classified).....	57	52	5	43	1	20	4	5	1	3	1
22 Bookkeepers and cashiers.....	2,349	452	1,897	383	1,615	61	263	3	13	5	6
23 Canvassers.....	95	83	7	70	7	9				4	
24 Clerks.....	2,094	1,332	1,062	1,042	1,454	244	186	41	16	5	6
25 Collectors.....	48	36	12	26	10	8	1	1		1	1
26 Commercial travelers.....	615	607	8	515	7	83	1	9			
27 Credit men.....	60	46	4	41	4	5					
28 Messenger, errand, and office boys and girls.....	911	841	70	623	55	63	5	150	10	5	
29 Office appliance operators.....	48	4	44	3	41	1	3				
30 Purchasing agents.....	68	48	20	43	16	5	4				
31 Sales agents.....	7	7		2		3					
32 Salesmen and saleswomen.....	907	912	85	675	58	205	23	22	2	10	2
33 Shipping clerks.....	1,292	1,254	38	910	29	242	9	100		2	
34 Stenographers and typists.....	1,385	33	1,352	30	1,220	3	117		3		3
35 Carpenters.....	15	15		6		8		1			
36 Compositors, linotypers, and typesetters.....	21	10	11	10	10						
37 Electricians.....	22	22		17		4		1			
38 Engineers (stationary).....	68	68		50		16		1		1	
39 Machinists.....	304	304		200		87		5		3	
40 Mechanics (not otherwise specified).....	80	80		67		19		2		1	
41 Pattern and model makers.....	23	23		6		16		1			
42 Plumbers and gas and steam fitters.....	13	13		10		3					
43 Tailors and tailoresses.....	160,283	147,476	21,807	25,160	13,454	113,348	7,666	6,053	552	2,015	135
44 Other skilled trades.....	23	23		11		12					
45 Apprentices.....	1,364	874	490	692	445	115	41	33	3	34	1
46 Charwomen and cleaners.....	44	15	29	5	13	7	11	3	5		
47 Chauffeurs and truck and tractor drivers.....	708	708		497		75		124		12	
48 Draymen and teamsters.....	36	36		29		3		3		1	
49 Dyers.....	35	35		17		15		2		1	
50 Elevator tenders.....	39	34	5	15	3	10		0	2		
51 Firemen.....	58	58		33		18		7			
52 Guards, watchmen, and doorkeepers.....	176	175	1	92	1	72		10		1	
53 Janitors.....	156	140	16	51	10	41	3	45	3	3	
54 Laborers.....	3,794	2,456	1,338	1,540	1,186	368	115	446	34	72	3
55 Operatives.....	106,773	50,190	56,583	14,084	40,618	31,944	13,628	3,812	1,800	350	482
56 Porters.....	458	457	1	19		34		404			
57 All other occupations.....	13	9	4	1	1	8	3				
58 Other clothing factories.....	334,958	96,719	238,239	59,518	159,618	53,038	62,588	3,584	12,905	299	3,128
59 Owners, operators, and proprietors.....	11,855	10,994	861	3,269	550	7,702	335	2	3	21	3
60 Managers and officials.....	4,405	3,744	661	2,329	504	1,395	154	5		15	3
61 Foremen and overseers.....	5,449	2,120	3,329	999	2,498	1,114	768	6	50	1	13
62 Chemists.....	16	10	6	9	6	1					
63 Designers.....	6,448	2,576	3,872	826	2,699	1,742	1,116	7	42	1	15
64 Draftsmen.....	32	29	3	20	3	7		2			
65 Mechanical engineers.....	15	15		14		1					
66 Other professional pursuits.....	17	10	7	9	7	1					
67 Accountants and auditors.....	323	266	57	211	50	54	7	1			
68 Advertising agents.....	56	45	11	42	10	3					
69 Agents (not elsewhere classified).....	300	210	150	146	127	56	13	4	10	4	
70 Bookkeepers and cashiers.....	5,700	702	4,998	552	4,012	142	972	4	6	4	8
71 Canvassers.....	124	30	94	19	75	8		3		3	
72 Clerks.....	7,348	3,059	4,289	2,451	3,665	544	518	59	87	5	19
73 Collectors.....	65	62	3	54	1	8		1			
74 Commercial travelers.....	1,663	1,568	95	1,267	88	287	7	9		5	
75 Credit men.....	212	179	33	147	30	32	3				
76 Messenger, errand, and office boys and girls.....	1,196	995	201	726	158	101	17	165	26	3	
77 Office appliance operators.....	134	16	118	12	110	4		8			
78 Purchasing agents.....	298	180	118	138	97	46	20		1	1	
79 Sales agents.....	35	16	19	13	18	2				1	1
80 Salesmen and saleswomen.....	1,706	1,370	336	980	284	367	40	20	9	3	3
81 Shipping clerks.....	4,165	3,953	212	2,702	155	848	40	395	14	8	3
82 Stenographers and typists.....	3,485	74	3,511	64	3,132	10	365		6		8
83 Other clerical pursuits.....	2	2		1		1					

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INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
CLOTHING INDUSTRIES—Continued											
Other clothing factories—Continued.											
1 Carpenters.....	35	35		22		13					
2 Compositors, linotypers, and typesetters.....	30	23	7	19	5	3	2	1			
3 Electricians.....	56	55	1	41	1	13		1			
4 Engineers (stationary).....	171	171		121		46		4			
5 Machinists.....	786	786		570		191		12		4	
6 Mechanics (not otherwise specified).....	141	141		108		28		3		2	
7 Millwrights.....	27	27		18		9					
8 Painters, glaziers, and varnishers (building).....	14	14		7		6		1			
9 Pattern and model makers.....	270	270	3	108	3	168					
10 Plumbers and gas and steam fitters.....	16	16		13		3					
11 Toolmakers and die setters and sinkers.....	10	10		6		4					
12 Other skilled trades.....	13	13		3		9		1			
Apprentices:											
13 Designers' and draftsmen's apprentices.....	74	17	57	13	40	4	6		1		1
14 Machinists' apprentices.....	21	21		19		1		1		1	
15 Other apprentices.....	217	114	103	94	83	19	19	1			1
16 Charwomen.....	50	5	45	1	14	3	8		22		1
17 Chauffeurs and truck and tractor drivers.....	383	383		270		57		46		1	
18 Draymen and teamsters.....	42	42		28		13		1			
19 Dyers.....	101	95	6	43	5	43		9			1
20 Elevator tenders.....	128	109	19	42	8	16	3	51	8		
21 Firemen.....	114	114		70		29		14		1	
22 Guards, watchmen, and doorkeepers.....	357	354	3	216	3	110		24		4	
23 Janitors.....	259	228	31	95	10	55	7	76	13	2	1
24 Laborers.....	4,712	2,139	2,573	1,298	2,028	470	273	348	255	23	17
25 Operatives.....	270,825	58,472	212,353	10,217	139,111	37,171	57,865	1,896	12,347	188	3,030
26 Porters.....	815	815		49		76		600			
27 All other occupations.....	43	19	24	14	19	3	4	1	1	1	
FOOD AND ALLIED INDUSTRIES											
28 Bakeries.....	281,885	241,845	40,240	147,788	32,823	82,714	5,968	8,250	983	2,904	470
29 Owners, operators, and proprietors.....	14,852	13,874	978	6,611	668	7,146	300	24	4	93	6
30 Managers and officials.....	6,231	5,502	729	4,625	561	864	160	6		8	2
31 Foremen and overseers.....	4,206	3,405	801	2,694	696	679	94	28	9	4	2
32 Chemical engineers ¹	13	13		11		2					
33 Chemists.....	86	78	8	67	8	10				1	
34 Draftsmen.....	13	12	1	8		4	1				
35 Electrical engineers.....	30	30		27		2		1			
36 Mechanical engineers.....	54	54		40		14					
37 Trained nurses.....	13		13		8		5				
38 Other professional pursuits.....	25	22	3	17	2	5	1				
39 Accountants and auditors.....	590	546	44	492	44	54					
40 Advertising agents.....	54	47	7	41	7	6					
41 Agents (not elsewhere classified).....	200	194	6	168	4	26					
42 Bookkeepers and cashiers.....	4,439	1,912	2,527	1,721	2,327	186	195	1	1	4	4
43 Canvassers.....	151	119	32	90	32	29					
44 Clerks.....	9,357	3,904	5,453	3,292	4,709	560	709	46	18	0	17
45 Collectors.....	36	34	2	18	2	15		1			
46 Commercial travelers.....	16,188	16,003	165	14,147	147	1,818	16	12	2	20	
47 Credit men.....	77	76	1	63	1	12		1			
48 Messenger, errand, and office boys and girls.....	220	176	44	151	37	15	7	9		1	
49 Office appliance operators.....	272	14	258	13	245	1	13	0			
50 Purchasing agents.....	105	97	8	88	8	9					
51 Sales agents.....	77	77		72		5					
52 Salesmen and saleswomen.....	4,435	3,224	1,211	2,888	1,052	321	147	4	5	11	7
53 Shipping clerks.....	3,597	3,520	77	2,979	67	507	9	30	1	4	
54 Stenographers and typists.....	1,719	72	1,647	69	1,500	3	82	4	4	1	1
55 Weighers.....	282	161	121	117	108	38	11	5	1	1	1
56 Blacksmiths.....	62	62		30		32					
57 Brick and stone masons and tile layers.....	21	21		13		8					
58 Carpenters.....	255	255		145		103		6		1	
59 Compositors, linotypers, and typesetters.....	19	13	6	12	6	1					
60 Electricians.....	212	212		164		45		2		1	
61 Engineers (stationary).....	779	779		596		166		17			
62 Machinists.....	858	858		607		240		8		3	
63 Mechanics (not otherwise specified).....	1,122	1,122		839		240		41		2	
64 Millwrights.....	85	85		61		24					
65 Painters, glaziers, and varnishers (building).....	42	42		30		12					
66 Plumbers and gas and steam fitters.....	42	42		34		8					
67 Tinsmiths and sheet metal workers.....	33	33		26		7					
68 Other skilled trades.....	26	26		14		12					
69 Apprentices.....	1,821	1,783	38	1,588	34	137	4	40		20	
70 Bakers.....	140,800	131,884	8,916	66,107	6,241	59,654	1,813	3,919	608	2,204	284
71 Charwomen and cleaners.....	170	26	144	10	44	8	62		38		
72 Chauffeurs and truck and tractor drivers ²	11,245	11,240	5	9,482	5	1,521		186		51	
73 Deliverymen ²	12,835	12,821	14	9,735	11	2,769	3	230		87	
74 Draymen and teamsters ²	216	210	6	151		53		11		1	
75 Elevator tenders.....	143	142	1	73		44		25		1	
76 Firemen.....	676	676		320		218		135		3	
77 Guards, watchmen, and doorkeepers.....	435	432	3	274	3	146		10		2	
78 Housekeepers and stewards ¹	44	1	43	1	29		10		4		
79 Janitors.....	1,027	969	58	315	28	260	18	384	12	10	

¹ Included, in other occupation tables, in the group "Mining engineers."² Some deliverymen probably were returned and classified as chauffeurs, and others as teamsters or truck drivers.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN ¹		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
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¹ Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
FOOD AND ALLIED INDUSTRIES—Contd.											
Bakeries—Continued.											
1 Laborers.....	12,362	10,786	1,576	6,933	1,225	2,218	235	1,445	88	190	23
2 Oilers of machinery.....	49	49		32		17					
3 Operatives.....	27,901	12,602	15,299	9,526	12,904	2,243	2,055	670	186	163	164
4 Painters, glaziers, and varnishers (factory).....	73	73		50		20		3			
5 Policemen.....	8	8		5							
6 Porters.....	1,221	1,221	1	89		174	1	953		6	
7 Butter, cheese, and condensed milk factories ¹	88,900	76,429	12,471	64,507	11,800	10,640	690	940	43	342	38
8 Owners, operators, and proprietors.....	2,821	2,080	141	2,113	123	562	16	1		4	2
9 Managers and officials.....	8,104	7,658	446	6,826	439	829	7			3	
10 Foremen and overseers.....	2,316	2,255	61	1,922	57	318	3	9	1	6	
11 Chemical engineers ²	10	10		8		2					
12 Chemists.....	484	412	72	366	71	45	1			1	
13 Civil engineers and surveyors.....	20	20		17		3					
14 Electrical engineers.....	49	49		44		4		1			
15 Mechanical engineers ³	121	121		102		10					
16 Other professional pursuits.....	24	22	2	18	2	4					
17 Accountants and auditors.....	480	428	52	381	48	47	4				
18 Advertising agents.....	44	37	7	34	8	3	1				
19 Agents (not elsewhere classified).....	656	597	63	528	68	68	5				
20 Bookkeepers and cashiers.....	4,362	1,403	2,959	1,307	2,873	92	80			4	
21 Canvassers.....	98	89	9	74	9	14	1	1			
22 Clerks.....	3,430	2,223	1,207	1,850	1,145	354	61	10	1	9	
23 Collectors.....	102	91	11	77	11	14					
24 Commercial travelers.....	756	746	4	669	4	76				1	
25 Credit men.....	96	90	6	85	5	5	1				
26 Messenger, errand, and office boys and girls.....	105	63	159	6	149	10	1	1		1	
27 Office appliance operators.....	1,258	1,078	180	884	165	193	14		1	1	
28 Purchasing agents.....	5	5		5							
29 Sales agents.....	3,084	2,380	204	2,504	177	368	27	2		6	
30 Salesmen and saleswomen.....	657	648	9	554	9	85		4		5	
31 Shipping clerks.....	1,553	45	1,508	42	1,444	3	62				2
32 Stenographers and typists.....	355	320	35	293	34	27	1				
33 Weighers.....	144	144		83		56		4		1	
34 Blacksmiths.....	175	175		135		40					
35 Carpenters.....	22	15	7	15	7						
36 Compositors, linotypers, and typesetters.....	153	153		135		17				1	
37 Electricians.....	1,223	1,223		1,046		170		6		2	
38 Engineers (stationary).....	696	696		637		152		4		3	
39 Machinists.....	612	612		514		88		5		5	
40 Mechanics (not otherwise specified).....	47	47		33		14					
41 Millwrights.....	30	30		24		6					
42 Painters, glaziers, and varnishers (building).....	99	99		83		15				1	
43 Plumbers and gas and steam fitters.....	71	71		48		23					
44 Tinsmiths and sheet-metal workers.....	59	59		28		29		2			
45 Other skilled trades.....	50	50		54		1				1	
46 Apprentices.....	8,348	8,348	3	7,490	3	713		82		60	
47 Chauffeurs and truck and tractor drivers.....	1,198	1,198		1,039		150		8		1	
48 Draymen and teamsters.....	24	24		17		5		2			
49 Elevator tenders.....	977	977		817		131		23		1	
50 Firemen.....	322	321	1	240	1	76		5			
51 Guards, watchmen, and doorkeepers.....	200	193	7	91	5	63	2	38		1	
52 Janitors.....	17,433	16,618	915	13,328	855	2,031	38	516	18	143	4
53 Laborers.....	30	30		10		10		1			
54 Oilers of machinery.....	25,707	21,331	4,376	17,427	4,079	3,071	245	157	22	76	30
55 Operatives.....	68	67	1	40		23	1	1		3	
56 Painters, glaziers, and varnishers (factory).....	84	83	1	12	1	18		52		1	
57 Porters.....	18	6	12	5	9	1	3				
58 All other occupations.....											
59 Candy factories.....	71,294	38,776	34,618	24,682	29,588	10,061	3,908	1,568	633	467	389
60 Owners, operators, and proprietors.....	2,380	2,170	210	1,401	189	742	19	6		21	2
61 Managers and officials.....	1,692	1,501	191	1,245	173	255	17	1	1		
62 Foremen and overseers.....	1,979	881	1,098	621	998	255	93	3	6	2	1
63 Chemists.....	57	47	10	38	9	9	1				
64 Designers.....	23	10	13	3	11	6	2	1			
65 Mechanical engineers.....	38	38		30		7				1	
66 Trained nurses.....	1	2	16	1	16	1					
67 Other professional pursuits.....	20	20		17		3					
68 Accountants and auditors.....	219	193	26	167	24	26	2				
69 Advertising agents.....	32	26	6	24	6	2					
70 Agents (not elsewhere classified).....	131	122	9	106	8	15	1			1	
71 Bookkeepers and cashiers.....	1,324	378	946	355	867	20	76	1	2	2	1
72 Canvassers.....	23	16	7	10	5	5	2	1			
73 Clerks.....	2,895	1,381	1,614	1,124	1,372	227	129	26	3	4	10
74 Commercial travelers.....	1,759	1,738	21	1,623	21	108		5		2	
75 Credit men.....	95	83	12	79	11	4	1				
76 Messenger, errand, and office boys and girls.....	117	96	21	82	20	6		8			
77 Office appliance operators.....	79	5	74	5	70	3			1		
78 Purchasing agents.....	73	66	7	62	6	4	1				

¹ In some cases it was difficult to distinguish, from the enumerators' returns, persons working in butter, cheese, and condensed milk factories from persons working for milk distributing companies and persons working on dairy farms.

² Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
FOOD AND ALLIED INDUSTRIES—Contd.											
Candy factories—Continued.											
1 Salesmen and saleswomen.....	1,740	1,550	190	1,364	167	168	18	2	1	16	4
2 Shipping clerks.....	1,416	1,363	53	1,139	50	193	3	25		6	
3 Stenographers and typists.....	1,434	42	1,392	38	1,318	4	72		1		1
4 Weighers.....	79	27	52	19	47	8	5				
5 Other clerical pursuits.....	17	16	1	13	1	3					
6 Carpenters.....	79	79		38		41					
7 Compositors, linotypers, and typesetters.....	35	31	4	25	4	6					
8 Electricians.....	78	78		57		21					
9 Engineers (stationary).....	359	359		241		113					
10 Machinists.....	470	470		295		167		6			2
11 Mechanics (not otherwise specified).....	165	165		100		62		2			1
12 Millwrights.....	50	50		33		17					
13 Plumbers and gas and steam fitters.....	48	48		40		7		1			
14 Tinsmiths and sheet metal workers.....	12	12		6		6					
15 Other skilled trades.....	42	42		25		15		2			
16 Apprentices.....	47	43	4	40	4	2		1			
17 Charwomen and cleaners.....	34	3	31	1	14	2	14		3		
18 Chauffeurs and truck and tractor drivers.....	1,065	1,064	1	847	1	86		116		15	
19 Draymen and teamsters.....	58	58		40		13		5			
20 Elevator tenders.....	91	86	5	50	3	29	1	6	1	1	
21 Firemen.....	190	190		86		76		28			
22 Guards, watchmen, and doorkeepers.....	236	235	1	144	1	83		8			
23 Housekeepers and stewards ¹	42	3	39	1	28	2	11				
24 Janitors.....	156	133	23	54	5	43	8	32	0	4	1
25 Laborers.....	5,552	4,080	1,472	2,383	1,148	1,215	157	375	148	107	19
26 Officers of machinery.....	21	21		10		11					
27 Operatives.....	44,470	17,404	27,066	10,556	22,089	5,911	3,271	655	456	282	350
28 Painters, glaziers, and varnishers (factory).....	35	32	3	17	2	15			1		
29 Porters.....	309	309		22		43		244			
30 All other occupations.....	10	10		5		4		1			
31 Fish curing and packing.....	16,288	11,269	5,029	6,904	2,324	1,766	341	2,170	1,794	1,419	570
32 Owners, operators, and proprietors.....	305	302	3	249	2	47	1	1		5	
33 Managers and officials.....	497	489	8	391	6	90	2	2		6	
34 Foremen and overseers.....	470	454	25	269	19	119	3	15		51	3
35 Professional pursuits.....	19	18	1	15		3	1				
36 Accountants and auditors.....	54	53	1	41	1	12					
37 Agents (not elsewhere classified).....	12	12		11		1					
38 Bookkeepers and cashiers.....	310	198	112	158	105	30	7			10	
39 Clerks.....	195	147	48	112	43	27	5			8	
40 Commercial travelers.....	26	26		23		3					
41 Credit men.....	3	3		3							
42 Messenger, errand, and office boys and girls.....	10	10		6		1		2		1	
43 Purchasing agents.....	57	57		40		14				3	
44 Salesmen and saleswomen.....	37	36	1	26	1	7				3	
45 Shipping clerks.....	92	80	6	68	5	17	1			1	
46 Stenographers and typists.....	136	4	132	4	125	5	0				1
47 Weighers.....	23	13	10	11	7	2			2		1
48 Blacksmiths.....	12	12		7		4		1			
49 Carpenters.....	50	50		24		25				1	
50 Coopers.....	23	23		10		12		1			
51 Electricians.....	13	13		9		3		1			
52 Engineers (stationary).....	151	151		105		30		5		2	
53 Machinists.....	263	263		187		65		2		9	
54 Mechanics (not otherwise specified).....	72	72		58		8		1		5	
55 Other skilled trades.....	27	27		20		7					
56 Chauffeurs and truck and tractor drivers.....	150	149	1	118		8		17	1	6	
57 Firemen.....	99	99		62		19		18			
58 Guards, watchmen, and doorkeepers.....	149	149		93		49		4		3	
59 Laborers.....	6,172	4,596	1,576	1,870	628	452	96	1,227	784	1,047	68
60 Operatives.....	6,796	3,699	3,097	1,885	1,380	691	217	868	1,004	255	490
61 All other occupations.....	56	48	8	29	2	11	2	5	3	3	1
62 Flour and grain mills.....	67,233	62,542	4,691	52,161	4,400	6,216	185	3,728	49	437	67
63 Owners, operators, and proprietors.....	2,405	2,365	40	2,183	28	165	2	3		14	10
64 Managers and officials.....	3,872	3,810	62	3,547	62	251		4		8	
65 Foremen and overseers.....	1,439	1,415	24	1,189	24	206		18		2	
66 Chemists.....	397	371	26	347	22	23	4			1	
67 Draftsmen.....	28	28		24		4					
68 Electrical engineers.....	22	22		18		3		1			
69 Mechanical engineers.....	45	45		42		2		1			
70 Other professional pursuits.....	17	13	4	12	4	1					
71 Accountants and auditors.....	472	442	30	398	30	44					
72 Advertising agents.....	62	55	7	52	6	3	1				
73 Agents (not elsewhere classified).....	365	356	9	342	8	14	1				
74 Bookkeepers and cashiers.....	2,466	1,374	1,091	1,313	1,057	55	33	1		5	1
75 Canvassers.....	20	15	5	13	5	2					
76 Clerks.....	2,281	1,620	661	1,509	635	96	21	9		6	5
77 Collectors.....	8	7	1	7	1						
78 Commercial travelers.....	1,707	1,693	14	1,029	12	64	1		1		

¹ Includes hostesses and matrons.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
20	12	31	23	173	43	491	58	416	30	273	22	92	1	47	5			2	1	1	
43	5	127	2	320	11	349	21	221	7	178	5	98	1	24	1	3				2	
4	83	5	250	14	570	10	363	5	94	1	17	2	6		1					3	
	9	4	11	4	14	9	6	4	6	5	4	1	2							4	
		2	1	2		1		8		1		1		1						5	
		3		3		17		20		11		15		11						6	
1		2		3	1	12	1	7			1	3	1	1		1				7	
		1		10		32		22		8		5		1						8	
		1		46		100		100		96		88		19		1				9	
		14		54		121		145		85		38		13						10	
		6		13		49		48		31		14		4				1		11	
						8		20		13		8		1						12	
		1		3		15		17		9		3		3						13	
				1		4		2		3				2						14	
		1		6		12		8		5		8		2						15	
25	2	9	1	8		1		1	1			1								16	
		1		1	1		2	1	14				5							17	
20		107		293		397		150	1	68		16		3						18	
		3		15		17		15	1	2		5		1						19	
		7	2	12	2	17	1	10		8		20		6						20	
		3		5		38		51		36		43		13		1				21	
				4		7	1	23		51		80		50		11				22	
						1		2	10											23	
3		6		13	3	15	5	22	8	20	8	33	10	16	2	5				24	
332	270	432	267	820	378	804	292	680	145	514	73	304	36	110	9	14	1	4	1	25	
				2		11		4		3		1		1						26	
914	4,412	1,343	4,023	2,859	6,715	4,128	5,797	3,770	3,230	2,512	1,628	1,321	532	474	101	63	15	14	13	27	
		2		4	2	3		14		4		4		9						28	
7		14		53		105		65		36		17		1						29	
						3		1		4		1								30	
553	513	627	440	1,485	814	2,403	1,179	2,288	1,051	2,006	675	1,225	284	556	65	79	4	37	4	31	
		2		4		32		75	1	108		52	2	25		4				32	
				0		81	3	150	2	147	2	72	1	23		1				33	
		2		16	2	84	2	157	12	110	4	69	5	21		2		3		34	
																					35
		1		1		5		3		6	1	2									36
				3		18	1	16		9		6		1							37
				6		6		3		3		2		1							38
0	1	7	10	47	27	68	34	30	26	32	12	13	4	2				1		39	
	2	9	9	28	13	36	13	28	7	17	2	12	2	0		2				40	
				1		9		3		4		6		3							41
						2				1											42
3		4		1		7		16		16		10		2		1				43	
				5		8		12		6		6		1							44
4		8		16	1	20	2	16		14	2	6		2						45	
				2		2		45	20		1			1							46
3	1		12	2	52	2	45	2	2	2	8	1	2							47	
				3	1	2	1	2		2											48
						8		12		6		3		6		2					49
						4		4		2		8		5							50
						3		6		1		2									51
						22		36		44		19		13		2					52
						77		82		45		21		3		2					53
						21		23		13		4									54
						8		6		6		4		2							55
																					56
																					57
8		11		50	1	62		24		4				6						58	
1		1		4		20		33		26		11		39		8				59	
1				13		13		10		23		48		6		21		23	2	60	
271	178	352	135	771	285	1,084	369	812	324	678	189	408	83	176	19	34	2	10	2	61	
254	329	217	271	459	432	711	717	712	656	657	457	438	188	207	43	21	2			62	
2		2	1	8		10	1	5		9	2	6	1	6							63
651	141	1,630	479	6,761	1,442	14,414	1,455	14,793	699	12,078	331	7,944	109	3,623	27	600	3	48	5	64	
																					65
																					66
																					67
																					68
																					69
																					70
																					71
																					72
																					73
																					74
2	8	59	68	321	292	437	376	272	218	168	97	33	33	83	4	3		1		75	
1			1	2		1		6		3		2	1	2							76
32	21	116	73	396	193	446	207	341	103	167	47	92	12	28	4	2			1	77	
				1				3				2		1							78
		3		81	1	424	3	519	4	378	5	217	1	64		6		1			

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
FOOD AND ALLIED INDUSTRIES—Contd.											
Flour and grain mills—Continued.											
1 Credit men.....	72	66	6	62	6	4					
2 Messenger, errand, and office boys and girls.....	85	74	11	68	10	2		3	1	1	
3 Office appliance operators.....	89	7	82	7	80	2					
4 Purchasing agents.....	211	209	2	199	2	10					
5 Sales agents.....	11	11		11							
6 Salesmen and saleswomen.....	2,019	1,988	31	1,874	29	107		1	1	6	1
7 Shipping clerks.....	449	441	8	383	8	51		4		3	
8 Stenographers and typists.....	1,905	1,005	1,800	100	1,743	2	56	1		2	1
9 Weighers.....	179	174	5	141	4	17	1	16			
10 Blacksmiths.....	25	25		18		7					
11 Carpenters.....	165	165		132		32		1			
12 Compositors, linotypers, and typesetters.....	30	26	5	23	4	2	1				
13 Coopers.....	49	49		43		5		1			
14 Cranemen, derrickmen, hoistmen, etc.....	19	19		14		4		1			
15 Electricians.....	151	151		132		19					
16 Engineers (stationary).....	795	796		676		107		12			
17 Machinists.....	487	487		378		77		25		7	
18 Mechanics (not otherwise specified).....	247	247		203		32		5		7	
19 Millers.....	15,612	15,473	30	13,892	28	1,266	4	236	2	70	5
20 Millwrights.....	1,108	1,108		904		200		4			
21 Painters, glaziers, and varnishers (building).....	11	11		9		1		1			
22 Plumbers and gas and steam fitters.....	38	38		27		10		1			
23 Tinsmiths and sheet metal workers.....	93	93		80		13					
24 Other skilled trades.....	26	26		20		6					
25 Chauffeurs and truck and tractor drivers.....	2,980	2,979	1	2,507		160		285	1	27	
26 Draymen and teamsters.....	245	245		169		25		51			
27 Elevator tenders.....	116	116		94		14		7		1	
28 Firemen.....	330	330		235		42		53		1	
29 Guards, watchmen, and doorkeepers.....	492	492		383		96		13			
30 Janitors.....	122	111	11	60	3	27	5	24	3		
31 Laborers.....	15,997	15,830	158	11,286	107	1,034	12	2,417	25	202	14
32 Oilers of machinery.....	566	565	1	401		90		10		4	1
33 Operatives.....	6,872	6,320	552	4,895	479	911	39	453	15	61	19
34 Painters, glaziers, and varnishers (factory).....	26	26		21		5					
35 Porters.....	63	63		1		1		61			
36 All other occupations.....	37	32	5	28	3	4	2				
37 Fruit and vegetable canning, etc.....	56,235	35,133	21,102	25,866	14,808	6,073	4,089	1,558	1,145	1,636	1,080
38 Owners, operators, and proprietors.....	990	951	39	758	34	185	5			8	
39 Managers and officials.....	2,966	2,896	70	2,668	62	213	8	4		11	
40 Foremen and overseers.....	2,333	1,726	608	1,446	513	222	86	10	5	47	4
41 Chemists.....	122	113	9	102	9	9		1		1	
42 Draftsmen.....	21	20	1	12		8	1				
43 Mechanical engineers.....	48	48		39		9					
44 Trained nurses.....	34		34		27		7				
45 Other professional pursuits.....	23	22	1	19	1	3					
46 Accountants and auditors.....	269	267	12	224	11	32	1			1	
47 Advertising agents.....	16	15	1	14	1	1					
48 Agents (not elsewhere classified).....	338	333	5	305	5	27		1			
49 Bookkeepers and cashiers.....	1,209	590	619	537	585	38	31	1		14	3
50 Canvassers.....	17	15	2	13	2	2					
51 Clerks.....	1,596	1,073	523	948	462	98	27	6	2	21	2
52 Commercial travelers.....	341	337	4	311	4	26					
53 Credit men.....	17	16	1	15	1	1					
54 Messenger, errand, and office boys and girls.....	54	42	12	38	11	3		1			1
55 Office-appliance operators.....	28	3	25	1	24	2	1				
56 Purchasing agents.....	169	169		146		23					
57 Salesmen and saleswomen.....	451	436	15	384	13	52	2				
58 Shipping clerks.....	506	490	16	412	16	67		9		2	
59 Stenographers and typists.....	929	27	902	25	874	2	28				
60 Weighers.....	81	61	30	47	28	3	1		1	1	
61 Other clerical pursuits.....	4	4		4							
62 Blacksmiths.....	45	45		26		19					
63 Carpenters.....	252	252		212		40					
64 Compositors, linotypers, and typesetters.....	37	32	5	28	5	4					
65 Coopers.....	138	138		56		78		3		1	
66 Cranemen, derrickmen, hoistmen, etc.....	13	13		8		5					
67 Electricians.....	110	110		101		8		1			
68 Engineers (stationary).....	433	433		352		72		6		3	
69 Machinists.....	1,145	1,145		916		209		11		9	
70 Mechanics (not otherwise specified).....	756	756		668		77		3		8	
71 Millwrights.....	130	130		114		16					
72 Plumbers and gas and steam fitters.....	69	69		59		9				1	
73 Tinsmiths and sheet-metal workers.....	48	48		27		19				2	
74 Toolmakers and die setters and sinkers.....	28	28		18		9				1	
75 Other skilled trades.....	31	31		22		7		1		1	
76 Chauffeurs and truck and tractor drivers.....	839	838	1	708		71		46	1	13	
77 Draymen and teamsters.....	114	114		80		21		10		3	
78 Elevator tenders.....	35	33	2	22	2	8		3			
79 Firemen.....	296	296		235		32		80		1	
80 Guards, watchmen, and doorkeepers.....	534	531	3	414	3	114		1		2	
81 Housekeepers and stewards.....	26	3	23		17	1	6	2			
82 Janitors.....	167	152	15	61	7	51	6	35	2	5	
83 Laborers.....	19,544	14,987	4,557	9,690	3,204	3,193	698	1,052	436	1,142	219
84 Operatives.....	18,748	5,196	13,552	3,527	8,354	1,049	3,155	284	695	1,336	848
85 Painters, glaziers, and varnishers (factory).....	44	42	2	30	1	12		1			
86 Porters.....	44	44				8		36			
87 All other occupations.....	47	34	13	26	2	5	5	1	3	2	3

1 Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
FOOD AND ALLIED INDUSTRIES—Contd.											
1 Slaughter and packing houses ¹	164,882	143,972	20,910	91,263	15,985	32,214	3,170	17,028	1,398	3,477	357
2 Owners, operators, and proprietors.....	1,146	1,130	16	720	13	401	3	4		5	
3 Managers and officials.....	5,359	5,303	56	4,726	50	571	6	4		2	
4 Foremen and overseers.....	5,288	5,098	190	4,009	154	1,020	33	44	3	25	
5 Chemical engineers ²	14	14		12		2					
6 Chemists.....	289	277	12	253	12	23		1			
7 Civil engineers and surveyors.....	31	31		28		3					
8 Draftsmen.....	43	43		36		7					
9 Electrical engineers.....	57	57		47		10					
10 Lawyers.....	37	37		36		1					
11 Mechanical engineers ³	237	237		208		29					
12 Social and welfare workers.....	12	5	7	5	6		1	1			
13 Trained nurses.....	24	2	21	2	10		1	2			
14 Other professional pursuits.....	3	3		1		2					
15 Accountants and auditors.....	1,893	1,851	32	1,216	29	135	3				
16 Advertising agents.....	89	84	5	81	5	3					
17 Agents (not elsewhere classified).....	313	307	6	268	0	37				2	
18 Bookkeepers and cashiers.....	4,949	3,581	1,368	3,318	1,203	252	60	3	1	8	5
19 Canvassers.....	42	40	2	35	2	4		1			
20 Clerks.....	10,396	8,821	1,575	8,007	1,471	717	94	70	7	27	3
21 Collectors.....	74	71	3	60	2	9		1		1	
22 Commercial travelers.....	3,137	3,124	13	2,940	12	180	1	1		3	
23 Credit men.....	401	399	2	370	2	29					
24 Messenger, errand, and office boys and girls.....	454	433	21	406	20	19	1	5		3	
25 Office appliance operators.....	684	27	607	28	583	1	24				
26 Purchasing agents.....	1,249	1,242	7	1,111	6	130	1	1			
27 Sales agents.....	7	7		7							
28 Salesmen and saleswomen.....	6,098	6,870	50	6,253	55	593	4	11		22	
29 Shipping clerks.....	2,813	2,776	37	2,378	32	311	3	73	1	16	1
30 Stenographers and typists.....	3,272	304	2,968	290	2,843	12	121	2	2	2	2
31 Weighers.....	984	788	146	642	133	107	9	31	4	8	
32 Blacksmiths.....	191	191		84		104		2		1	
33 Boilermakers.....	92	92		59		27		5		1	
34 Brick and stone masons and tile layers.....	60	50	10	37		11		2			
35 Cabinetmakers.....	13	13		3		10					
36 Carpenters.....	905	905		545		396		15		9	
37 Compositors, linotypers, and typesetters.....	76	71	5	58	4	13	1				
38 Coopers.....	698	698		355		273		60		4	
39 Cranemen, derrickmen, hoistmen, etc.....	22	22		15		3		4			
40 Electricians.....	594	594		493		93		6		2	
41 Engineers (stationary).....	1,781	1,781		1,306		390		28		7	
42 Machinists.....	1,064	1,064		731		276		45		12	
43 Mechanics (not otherwise specified).....	780	780		615		134		26		5	
44 Millwrights.....	489	489		369		114		5		1	
45 Painters, glaziers, and varnishers (building).....	35	35		26		8		1			
46 Plumbers and gas and steam fitters.....	800	800		648		146		14		1	
47 Tinsmiths and sheet metal workers.....	223	223		160		62		1		1	
48 Other skilled trades.....	19	19		12		5		1		1	
49 Apprentices.....	58	58		55		2		1			
50 Chauffeurs and truck and tractor drivers.....	6,238	6,237	1	4,994	1	502		587		94	
51 Draymen and teamsters.....	523	523		305		161		56		1	
52 Elevator tenders.....	481	478	3	256	3	150		65		7	
53 Firemen.....	905	905		481		254		166		4	
54 Guards, watchmen, and doorkeepers.....	1,353	1,353	2	858	1	450		33		6	
55 Housekeepers and stewards ⁴	34	3	31	2	20	7		1		4	
56 Janitors.....	787	710	27	204	5	227	12	273		9	
57 Laborers.....	43,045	39,384	3,661	18,183	2,235	9,931	808	8,854	478	2,366	90
58 Oilers of machinery.....	847	846	1	249	1	88		8		1	
59 Operatives.....	53,050	43,052	10,007	22,398	6,909	13,543	1,962	6,236	881	820	255
60 Painters, glaziers, and varnishers (factory).....	201	197	4	137	1	50		10		2	
61 Policemen.....	139	139		104		35					
62 Porters.....	267	206	1	19		26		218		1	3
63 All other occupations.....	17	3	14	3	7		3		4		
64 Sugar factories and refineries.....	23,563	21,727	1,776	11,933	1,370	5,758	217	3,148	132	868	57
65 Owners, operators, and proprietors.....	46	45	1	39	1	6					
66 Managers and officials.....	894	821	13	721	13	99				1	
67 Foremen and overseers.....	1,254	1,234	20	948	15	258	5	19		9	
68 Chemical engineers ²	28	28		20		8					
69 Chemists.....	502	490	12	440	10	41	2			3	
70 Civil engineers and surveyors.....	37	37		30		6				1	
71 Draftsmen.....	38	37	1	31	1	6					
72 Electrical engineers.....	29	29		27		2					
73 Mechanical engineers ³	101	101		82		16		3			
74 Other professional pursuits.....	11	9	2	9	1		1				
75 Accountants and auditors.....	213	208	5	176	5	32					
76 Advertising agents.....	7	7		7							
77 Agents (not elsewhere classified).....	302	300	2	267	2	30				3	
78 Bookkeepers and cashiers.....	483	364	119	328	109	34	10			2	
79 Clerks.....	1,289	1,030	209	909	199	116	10	5			
80 Commercial travelers.....	64	64		60		4					
81 Credit men.....	16	16		15		1					
82 Messenger, errand, and office boys and girls.....	48	46	2	35	2	9		1			
83 Office appliance operators.....	22	3	19	3	19						
84 Purchasing agents.....	54	54		46		8					
85 Salesmen and saleswomen.....	83	80	3	73	3	6		1			
86 Shipping clerks.....	150	148	2	112	2	29		7			
87 Stenographers and typists.....	305	37	358	36	342	1	15			1	
88 Weighers.....	227	197	30	145	30	33		18		1	

¹ Sometimes it was impossible, from the enumerators' returns, to distinguish between workers in stockyards and workers in slaughter and packing houses.

² Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
FOOD AND ALLIED INDUSTRIES—Contd.											
Sugar factories and refineries—Continued.											
1 Blacksmiths.....	89	89		56		27		6			
2 Boilermakers.....	35	35		24		10				1	
3 Brick and stone masons and tile layers.....	32	32		8		16		7		1	
4 Carpenters.....	196	196		142		50		4			
5 Coopers.....	103	103		47		38		18			
6 Coppersmiths.....	20	20		8		12					
7 Cranemen, derrickmen, hoistmen, etc.....	57	57		43		6					
8 Electricians.....	272	272		242		29		1			
9 Engineers (stationary).....	524	524		391		115		17		1	
10 Machinists.....	777	777		522		226		28		3	
11 Mechanics (not otherwise specified).....	415	418		322		70		16		4	
12 Millwrights.....	53	53		40		12		1			
13 Painters, glaziers, and varnishers (building).....	19	19		12		7					
14 Plumbers and gas and steam fitters.....	236	236		187		43		5		1	
15 Tinsmiths and sheet metal workers.....	42	42		28		14					
16 Other skilled trades.....	14	11	3	9	1	2	1				1
17 Chauffeurs and truck and tractor drivers.....	335	335		258		45		30		2	
18 Draymen and teamsters.....	41	41		31		4		5		1	
19 Elevator tenders.....	36	36		13		10		4			
20 Firemen.....	239	239		83		115		40		1	
21 Guards, watchmen, and doorkeepers.....	383	383		234		127		21		1	
22 Janitors.....	70	69	1	21		37	1	9		2	
23 Laborers.....	9,298	9,038	260	2,855	72	2,897	30	2,553	100	733	40
24 Oilers of machinery.....	138	138		83		45		10			
25 Operatives.....	3,778	3,070	708	1,656	539	1,019	133	280	20	115	16
26 Painters, glaziers, and varnishers (factory).....	31	31		20		10		1			
27 Porters.....	51	51		3		9		38		1	
28 All other occupations.....	33	27	6	18	4	6		2	2	1	1
29 Other food factories.....	86,630	62,259	24,371	46,148	15,723	11,189	1,071	4,001	5,592	921	1,385
30 Owners, operators, and proprietors.....	3,932	3,760	172	2,683	145	937	20	13	1	77	6
31 Managers and officials.....	5,726	5,492	234	4,870	216	599	17	5		18	1
32 Foremen and overseers.....	2,375	1,965	410	1,572	353	370	41	16	13	7	3
33 Chemical engineers ¹	33	33		26		6				1	
34 Chemists.....	711	667	44	553	41	108	3	3		3	
35 Civil engineers and surveyors.....	20	20		16		4					
36 Draftsmen.....	34	34		28		6					
37 Electrical engineers.....	48	48		34		14					
38 Mechanical engineers ²	146	146		125		21					
39 Trained nurses.....	13		13		12		1				
40 Other professional pursuits.....	11	9	2	9	2						
41 Accountants and auditors.....	626	589	37	528	35	61	2				
42 Advertising agents.....	169	133	36	123	35	10	1				
43 Agents (not elsewhere classified).....	447	400	41	361	41			2		2	
44 Bookkeepers and cashiers.....	2,697	1,085	1,012	995	1,524	83	85	1	2	6	1
45 Canvassers.....	154	93	61	80	57	11	2	2	2		
46 Clerks.....	4,718	2,764	1,954	2,435	1,816	307	124	14	5	8	9
47 Collectors.....	35	34	1	28	1	6					
48 Commercial travelers.....	2,588	2,551	37	2,359	35	183	2	4		5	
49 Credit men.....	112	105	7	98	7	7					
50 Messenger, errand, and office boys and girls.....	152	129	23	116	23	7		6			
51 Office appliance operators.....	113	11	102	9	94	2	8				
52 Purchasing agents.....	224	219	5	204	4	15	1				
53 Sales agents.....	54	48	6	45	5	3		1			
54 Salesmen and saleswomen.....	2,899	2,736	163	2,385	139	320	17	12	3	19	4
55 Shipping clerks.....	1,455	1,423	32	1,178	27	224	5	19		2	
56 Stenographers and typists.....	2,498	97	2,401	89	2,289	7	107	2	3	1	3
57 Weighers.....	175	91	84	72	68	13	12	6	3	1	1
58 Blacksmiths.....	33	33		18		14		1			
59 Boilermakers.....	23	23		18		5					
60 Brick and stone masons and tile layers.....	10	10		7		3					
61 Cabinetmakers.....	25	25		23		2					
62 Carpenters.....	230	230		152		72		6			
63 Compositors, linotypers, and typesetters.....	91	79	12	71	12	8					
64 Coopers.....	73	73		44		25		4			
65 Cranemen, derrickmen, hoistmen, etc.....	24	24		21		2		1			
66 Electricians.....	296	296		255		39		2			
67 Engineers (stationary).....	927	927		717		195		14		1	
68 Machinists.....	1,043	1,043		756		281		24		2	
69 Mechanics (not elsewhere classified).....	664	664		509		136		14		5	
70 Millers.....	434	433	1	351		77		2		3	1
71 Millwrights.....	334	334		268		64		2			
72 Painters, glaziers, and varnishers (building).....	44	44		33		9		1			
73 Plumbers and gas and steam fitters.....	180	180		148		31		1		1	
74 Tinsmiths and sheet-metal workers.....	118	118		94		24					
75 Toolmakers and die setters and sinkers.....	15	15		12		3					
76 Other skilled trades.....	13	13		6		7					
77 Apprentices.....	40	40		32		6		1		1	
78 Chauffeurs and truck and tractor drivers.....	4,907	4,907		4,098		498		283		28	
79 Draymen and teamsters.....	342	342		251		56		33		2	
80 Elevator tenders.....	124	121	3	68	1	33	2	19		1	
81 Firemen.....	469	469		297		90		81		1	
82 Guards, watchmen, and doorkeepers.....	492	492		337		139		14		2	
83 Janitors.....	221	206	15	70	6	60	5	74	4	32	145
84 Laborers.....	16,968	13,281	3,687	7,784	1,199	2,779	147	2,441	2,196	395	1,211
85 Oilers of machinery.....	125	125		107		15		3			
86 Operatives.....	25,898	12,743	13,155	8,511	7,520	3,069	1,065	768	3,359	395	1,211
87 Painters, glaziers, and varnishers (factory).....	166	166		82		24				1	
88 Porters.....	161	161		25		26		109		1	
89 All other occupations.....	35	14	21	12	16	2	4	1			

¹ Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
FOOD AND ALLIED INDUSTRIES—Contd.											
1 Liquor and beverage industries.....	50,403	46,799	3,004	33,878	3,199	9,999	245	3,045	140	387	20
2 Owners, operators, and proprietors.....	4,458	4,369	89	2,071	74	1,371	15	8		19	
3 Managers and officials.....	3,851	3,769	82	3,274	76	484	6	7		4	
4 Foremen and overseers.....	997	976	21	745	19	213	2	11		7	
5 Chemists.....	232	230	2	171	2	56		1		2	
6 Civil engineers and surveyors.....	10	10		6		2					
7 Draftsmen.....	17	17		15		2					
8 Electrical engineers.....	12	12		10		2					
9 Mechanical engineers.....	29	29		25		4					
10 Other professional pursuits.....	21	19	2	16	2	3					
11 Accountants and auditors.....	296	282	14	248	13	29	1			5	
12 Advertising agents.....	102	98	4	93	3	4	1	1			
13 Agents (not elsewhere classified).....	248	242	6	184	6	50				2	
14 Bookkeepers and cashiers.....	1,829	885	944	793	882	84	56		5	8	1
15 Canvassers.....	50	46	4	40	3	4	1			2	
16 Clerks.....	1,435	942	493	815	469	117	19	5	5	5	
17 Collectors.....	54	52	2	42	2	10					
18 Commercial travelers.....	1,242	1,237	5	1,111	5	119		2		5	
19 Credit men.....	28	27	1	24	1	3					
20 Messenger, errand, and office boys and girls.....	57	50	7	32	5	5	2	11		2	
21 Office appliance operators.....	23	2	21	2	2	2					
22 Purchasing agents.....	29	27	2	25	2	2					
23 Sales agents.....	17	17		13		4					
24 Salesmen and saleswomen.....	3,273	3,247	26	2,876	22	345	3	7	1	19	
25 Shipping clerks.....	393	393	5	313	5	76		1		3	
26 Stenographers and typists.....	904	48	856	44	818	4	30		2		
27 Weighers.....	15	12	3	10	2	2			1		
28 Blacksmiths.....	32	32		9		23					
29 Boilermakers.....	12	12		8		3				1	
30 Cabinetmakers.....	13	13		0		7					
31 Carpenters.....	163	163		95		68					
32 Coopers.....	170	170		59		106		5			
33 Coppersmiths.....	10	10		6		4					
34 Electricians.....	94	94		74		20					
35 Engineers (stationary).....	758	758		481		271		5		1	
36 Machinists.....	498	498		341		140		17			
37 Mechanics (not otherwise specified).....	382	382		313		55		12		2	
38 Millwrights.....	44	44		33		11					
39 Painters, glaziers, and varnishers (building).....	21	21		16		5					
40 Plumbers and gas and steam fitters.....	131	131		107		24					
41 Tinsmiths and sheet metal workers.....	39	39		28		11					
42 Other skilled trades.....	26	25	1	20	1	5					
43 Apprentices.....	26	26		23		2					
44 Chauffeurs and truck and tractor drivers.....	6,902	6,902		5,447		866		533		50	
45 Draymen and teamsters.....	433	433		282		114		35		2	
46 Elevator tenders.....	24	23	1	15	1	7		1			
47 Firemen.....	509	509		250		227		31		1	
48 Guards, watchmen, and doorkeepers.....	451	450	1	272		171	1	6		1	
49 Janitors.....	85	77	8	28	4	27	1	21	3	1	
50 Laborers.....	8,515	8,293	222	4,937	141	1,677	18	1,542	56	137	7
51 Oilers of machinery.....	77	77		51		24		2			
52 Operatives.....	11,187	10,413	774	6,525	614	3,078	81	708	67	102	12
53 Painters, glaziers, and varnishers (factory).....	55	53	2	39	1	14	1				
54 Porters.....	104	104		13		20		71			
55 All other occupations.....	15	9	6	4	5	4	1	1			
IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES											
56 Agricultural implement factories.....	53,244	50,140	3,104	38,471	2,884	10,452	208	1,080	12	137	
57 Owners, operators, and proprietors.....	387	385	2	351	2	34					
58 Managers and officials.....	1,685	1,665	20	1,543	20	122					
59 Foremen and overseers.....	1,798	1,791	7	1,474	4	310	3	7			
60 Chemists.....	53	53		48		3		1		1	
61 Civil engineers and surveyors.....	34	34		32		2					
62 Designers.....	14	14		9		5					
63 Draftsmen.....	406	404	2	350	2	54					
64 Electrical engineers.....	19	19		10		9					
65 Lawyers.....	11	11		10		1					
66 Mechanical engineers.....	222	222		182		40					
67 Photographers.....	12	12		11		1					
68 Other professional pursuits.....	15	6	9	5	9						
69 Accountants and auditors.....	395	384	11	354	11	30					
70 Advertising agents.....	117	112	5	107	5	5					
71 Agents (not elsewhere classified).....	194	191	3	177	3	13		1			
72 Bookkeepers and cashiers.....	1,135	756	379	722	373	34	6				
73 Canvassers.....	16	16		13		3					
74 Clerks.....	3,249	2,735	514	2,516	501	209	13	9		1	
75 Collectors.....	225	225		215		10					
76 Commercial travelers.....	1,629	1,629		1,561		68					
77 Credit men.....	161	159	2	153	2	6					
78 Messenger, errand, and office boys and girls.....	67	60	7	57	2	6		1			
79 Office appliance operators.....	89	7	82	6	81		1	1			
80 Purchasing agents.....	112	112		106		6					
81 Sales agents.....	12	12		12							
82 Salesmen and saleswomen.....	1,016	1,014	2	1,542	2	70				2	
83 Shipping clerks.....	754	749	5	662	4	78		8	1	1	
84 Stenographers and typists.....	1,464	83	1,381	76	1,334	6	47	1			
85 Weighers.....	26	25	1	16	1	6		3			
86 Other clerical pursuits.....	5		5		5						

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES—Continued											
Agricultural implement factories—Con.											
1 Blacksmiths.....	1,008	1,008		580		420		5		3	
2 Boiler-makers.....	36	36		24		11		1			
3 Brick and stone masons and tile layers.....	10	10		5		5					
4 Cabinetmakers.....	11	11		4		7					
5 Carpenters.....	369	369		278		89		2			
6 Compositors, linotypers, and typesetters.....	23	22	1	16		6	1				
7 Cranemen, derrickmen, hoistmen, etc.....	97	97		68		24		4		1	
8 Electricians.....	255	255		217		36		2			
9 Engineers (stationary).....	286	286		238		47		1			
10 Forgemen and hammermen.....	261	261		184		77					
11 Machinists.....	6,134	6,134		4,678		1,430		22		4	
12 Mechanics (not otherwise specified).....	2,230	2,230		1,958		253		12		7	
13 Millwrights.....	295	295		217		75		3			
14 Molders, founders, and casters (metal):											
Iron molders, founders, and casters.....	1,736	1,736		892		721		117		0	
All other molders, founders, and casters.....	70	70		44		23		2		1	
16 Painters, glaziers, and varnishers (building).....	20	20		18		2					
17 Pattern and model makers.....	444	444		321		122		1			
18 Plumbers and gas and steam fitters.....	117	117		86		31					
19 Rollers and roll hands.....	16	16		9		7					
20 Sawyers.....	27	27		23		3		1			
21 Skilled occupations (not elsewhere classified) ¹	102	102		82		20					
22 Tinsmiths and sheet-metal workers.....	299	299		224		75					
23 Toolmakers and die setters and sinkers.....	629	629		421		208					
24 Other skilled trades.....	6	6		5		1					
25 Apprentices:											
Machinists' apprentices.....	86	86		86							
Other apprentices.....	101	100	1	92	1	7		1			
27 Buffers and polishers (metal).....	243	241	2	153	1	81	1	7			
28 Chauffeurs and truck and tractor drivers.....	454	454		382		55		16		1	
29 Draymen and teamsters.....	41	41		25		8		8			
30 Elevator tenders.....	70	70		44		23		3			
31 Filers (metal).....	25	25		19		6					
32 Firemen.....	164	164		109		45		9			
33 Furnace men, smelter men, and pourers.....	77	77		45		19		13			
34 Grinders (metal).....	618	617	1	406		179	1	31		1	
35 Guards, watchmen, and doorkeepers.....	294	293	1	201		89	1	3			
36 Heaters.....	56	56		41		14					
37 Janitors.....	209	196	13	77	4	60	8	58	1	1	
38 Laborers.....	10,876	10,735	138	7,009	108	3,004	24	579	6	83	
39 Oilers of machinery.....	65	55		39		15					
40 Operatives.....	8,782	8,281	501	6,353	397	1,808	100	104	4	16	
41 Painters, glaziers, and varnishers (factory).....	656	651	6	465	6	156		24		0	
42 Porters.....	24	24		3		4		17			
43 All other occupations.....	13	9	4	7	2	1	2			1	
44 Automobile factories.....	640,474	595,433	45,041	399,827	38,797	186,102	5,014	25,598	297	3,906	33
45 Owners, operators, and proprietors.....	1,965	1,951	14	1,538	12	410	2	3			
46 Managers and officials.....	9,886	9,776	110	8,838	98	934	12	3		1	
47 Foremen and overseers.....	20,636	20,175	361	16,236	311	3,844	50	87		8	
48 Chemical and metallurgical engineers ²	67	67		50		9				2	
49 Chemists, assayers, and metallurgists.....	595	594	1	493	1	95		2		4	
50 Civil engineers and surveyors.....	194	194		149		34					
51 Designers.....	274	272	2	191	2	80				1	
52 Draftsmen.....	4,636	4,603	27	3,464	24	1,030	3	7		7	
53 Electrical engineers.....	453	452	1	382	1	69		1			
54 Lawyers.....	80	78	2	73	1	5					
55 Mechanical engineers ²	3,823	3,823		2,093		821		1		8	
56 Photographers.....	57	50	7	49	1	6				1	
57 Social and welfare workers.....	31	24	7	22	6	2	1				
58 Trained nurses.....	182	20	112	12	95	8	17				
59 Accountants and auditors.....	4,235	4,015	220	3,519	206	404	14	1		1	
60 Advertising agents.....	228	210	12	203	11	13	1				
61 Agents (not elsewhere classified).....	1,796	1,780	15	1,608	13	168	2	3		1	
62 Bookkeepers and cashiers.....	6,484	3,111	3,373	2,827	3,152	281	217	2	3	1	1
63 Canvassers.....	22	1	1	20	1	1					
64 Clerks.....	31,584	25,536	5,748	21,981	5,293	3,722	451	108	3	30	1
65 Collectors.....	100	97	3	93	3	4					
66 Commercial travelers.....	2,644	2,035	9	1,914	9	117		3		1	
67 Credit men.....	330	319	11	300	10	18	1			1	
68 Messenger, errand, and office boys and girls.....	413	388	25	333	22	44	3	11			
69 Office appliance operators.....	1,018	138	880	118	810	19	70			1	
70 Purchasing agents.....	1,241	1,122	19	1,000	17	122	2				
71 Sales agents.....	34	33	1	31		2					
72 Salesmen and saleswomen.....	1,965	1,948	17	1,773	16	165	1	8		2	
73 Shipping clerks.....	4,253	4,186	67	3,186	58	914	0	72		14	
74 Stenographers and typists.....	10,077	550	9,527	485	8,804	63	719	1	1	1	3
75 Weighers.....	88	83	5	45	4	33	1	5			

¹ Most of these were returned as metal "annealers," "hardeners," "temperers," "testers," or "treaters."² Included, in other occupation tables, in the group "Mining engineers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1980—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits¹

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
---	---	18	---	95	---	107	---	253	---	219	---	161	---	60	---	4	---	1	---	
---	---	1	---	---	---	8	---	9	---	11	---	4	---	3	---	---	---	---	---	
---	---	---	---	1	---	1	---	1	---	5	---	2	---	1	---	---	---	---	---	
---	---	10	---	23	---	64	---	86	---	81	---	78	---	34	---	3	---	---	---	
---	---	3	---	4	---	7	---	5	---	1	---	1	---	1	---	---	---	---	---	
---	---	1	---	24	---	34	---	19	---	10	---	3	---	---	---	---	---	---	---	
---	---	6	---	38	---	98	---	62	---	40	---	43	---	13	---	1	---	---	---	
---	---	1	---	12	---	77	---	81	---	58	---	10	---	3	---	1	---	---	---	
---	---	7	---	38	---	69	---	42	---	42	---	521	---	184	---	20	---	---	---	
---	---	186	---	893	---	1,837	---	1,543	---	999	---	135	---	98	---	4	---	1	---	
---	---	42	---	319	---	753	---	600	---	553	---	32	---	4	---	2	---	---	---	
---	---	1	---	30	---	65	---	80	---	81	---	---	---	---	---	---	---	---	---	
---	---	16	---	131	---	306	---	586	---	420	---	150	---	33	---	2	---	2	---	
---	---	---	---	0	---	12	---	23	---	20	---	9	---	---	---	---	---	---	---	
---	---	---	---	4	---	5	---	3	---	2	---	4	---	2	---	---	---	---	---	
---	---	15	---	55	---	106	---	92	---	02	---	59	---	24	---	1	---	---	---	
---	---	2	---	9	---	31	---	33	---	25	---	15	---	2	---	---	---	---	---	
---	---	---	---	---	---	5	---	4	---	4	---	3	---	---	---	---	---	---	---	
---	---	1	---	---	---	6	---	11	---	18	---	4	---	---	---	---	---	---	---	
---	---	2	---	21	---	37	---	18	---	18	---	22	---	2	---	---	---	---	---	
---	---	15	---	34	---	82	---	84	---	58	---	4	---	4	---	---	---	---	---	
---	---	14	---	93	---	212	---	159	---	98	---	41	---	10	---	---	---	---	---	
---	---	---	---	1	---	2	---	---	---	2	---	1	---	---	---	---	---	---	---	
55	---	16	---	14	---	1	---	2	---	---	---	---	---	---	---	---	---	---	25	
49	---	20	---	23	---	6	---	57	---	62	---	32	---	5	---	---	---	---	26	
1	---	8	---	27	---	49	---	74	---	46	---	10	---	8	---	---	---	---	27	
6	---	23	---	100	---	181	---	8	---	8	---	5	---	4	---	1	---	---	28	
---	---	2	---	4	---	9	---	10	---	4	---	17	---	3	---	---	---	---	29	
---	---	---	---	2	---	6	---	4	---	4	---	4	---	2	---	---	---	---	30	
---	---	2	---	4	---	5	---	4	---	50	---	25	---	5	---	1	---	---	31	
---	---	2	---	9	---	25	---	47	---	14	---	8	---	1	---	---	---	---	32	
2	---	3	---	7	---	21	---	21	---	88	---	31	---	17	---	---	---	---	33	
9	---	28	---	118	---	103	---	103	---	64	---	101	---	60	---	7	---	---	34	
---	---	---	---	5	---	13	---	34	---	6	---	1	---	---	---	---	---	---	35	
---	---	10	---	19	---	18	---	20	---	54	---	45	---	30	---	4	---	---	36	
1	---	3	---	10	---	19	---	24	---	9	---	1	---	305	---	35	---	---	37	
297	15	665	25	1,010	44	2,403	28	2,331	16	1,803	9	912	1	1	---	8	---	---	38	
1	---	2	---	5	---	15	---	14	---	11	---	7	---	190	---	17	---	---	39	
171	33	422	104	1,520	152	2,257	107	1,707	81	1,205	18	630	6	30	---	2	---	3	40	
9	---	26	---	8	---	145	---	138	---	145	---	77	---	1	---	---	---	---	41	
---	---	---	---	1	---	4	---	7	---	3	---	3	---	1	---	---	---	---	42	
---	---	---	---	---	---	4	---	2	---	2	---	2	---	2	---	---	---	---	43	
4,888	1,531	19,002	5,950	93,080	16,492	199,816	13,937	161,301	5,934	78,725	1,752	29,147	403	7,878	69	675	8	315	25	44
---	---	2	---	32	---	2	---	322	---	3	---	281	---	3	---	12	---	3	---	45
---	---	15	---	310	---	14	---	2,809	---	21	---	520	---	8	---	11	---	5	---	46
6	2	61	9	1,167	76	6,826	129	7,496	89	3,403	41	992	11	198	4	16	1	11	3	47
---	---	---	---	10	---	31	---	18	---	7	---	---	---	---	---	1	---	---	---	48
---	---	22	---	93	---	245	---	172	---	49	---	10	---	2	---	1	---	---	---	49
---	---	---	---	16	---	69	---	60	---	39	---	7	---	3	---	---	---	---	---	50
---	---	---	---	34	---	109	---	83	---	32	---	11	---	3	---	---	---	---	---	51
---	---	273	2	1,061	6	1,878	14	852	5	308	---	73	---	30	---	2	---	---	---	52
---	---	---	---	47	---	146	---	167	---	69	---	21	---	1	---	---	---	---	---	53
---	---	---	---	31	---	51	---	20	---	18	---	3	---	1	---	1	---	---	---	54
---	---	---	---	4	---	202	---	1,417	---	711	---	190	---	20	---	4	---	---	---	55
---	---	3	---	13	---	16	---	12	---	8	---	2	---	1	---	---	---	---	---	56
1	---	---	---	2	---	9	---	2	---	4	---	6	---	1	---	---	---	---	---	57
---	---	---	---	11	---	9	---	6	---	11	---	2	---	2	---	---	---	---	---	58
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	47	12	500	50	1,791	92	1,183	31	352	28	116	6	28	---	1	1	2	---	59
---	---	2	---	22	---	107	---	67	---	15	---	1	---	1	---	---	---	---	---	60
---	---	1	---	105	---	642	---	665	---	272	---	69	---	22	---	1	---	---	---	61
15	49	118	255	834	1,087	1,213	1,320	549	492	243	137	93	31	34	1	6	---	---	---	62
---	---	---	---	5	---	5	---	6	---	5	---	5	---	1	---	---	---	---	---	63
416	191	1,640	646	6,342	2,068	9,287	1,983	4,682	686	2,146	155	904	35	323	4	27	---	---	---	64
---	---	2	---	15	---	45	---	16	---	9	---	8	---	1	---	---	---	---	---	65
---	---	6	---	139	---	762	---	684	---	323	---	98	---	21	---	2	---	---	---	66
---	---	1	---	37	---	182	---	78	---	16	---	5	---	---	---	---	---	---	---	67
174	1	119	12	61	7	13	---	15	---	9	---	3	---	4	---	---	---	---	---	68
15	14	36	94	42	347	27	346	4	75	7	4	6	1	1	---	---	---	---	---	69
---	---	4	---	84	---	453	---	420	---	115	---	39	---	6	---	---	---	---	---	70
---	---	---	---	1	---	10	---	12	---	9	---	1	---	---	---	---	---	---	---	71
3	---	31	---	240	---	771	---	591	---	234	---	51	---	16	---	2	---	---	---	72
53	---	225	---	882	---	1,288	---	897	---	542	---	286	---	60	---	1	---	---	---	73
10	229	81	1,405	4,206	1	1,877	2,914	41	585	14	80	14	1	1	1	2	---	---	---	74
---	---	4	---	9	---	16	---	26	---	12	---	13	---	1	---	---	---	---	---	75

¹ Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES—Continued											
Automobile factories—Continued.											
1 Blacksmiths.....	2,391	2,391		1,042		1,318		29		2	
2 Boilermakers.....	179	179		102		71		6			
3 Brick and stone masons.....	262	262		77		177		8			
4 Cabinetmakers.....	802	802		349		462		1			
5 Carpenters.....	4,081	4,081		2,347		1,071		56		8	
6 Cement finishers.....	30	30		10		20		9			
7 Compositors, linotypers, and typesetters.....	124	98	26	80	23	18	3				
8 Coopers.....	12	12		7		4		1			
9 Coppermiths.....	41	41		12		28		1			
10 Cranemen, derrickmen, hoistmen, etc.....	1,308	1,308		808		441		56		3	
11 Electricians.....	7,069	7,069		5,532		1,431		75		31	
12 Engineers (stationary).....	2,566	2,566		1,937		699		21		9	
13 Engravers.....	41	38	3	23	3	15					
14 Forgemen and hammermen.....	6,256	6,256		4,202		1,854		175		25	
15 Machinists.....	68,207	68,205	2	46,407	2	20,573		958		207	
16 Mechanics (not otherwise specified).....	33,338	33,336	2	26,092	2	6,335		811		128	
17 Millwrights.....	4,600	4,599	1	3,049	1	1,441		102		7	
Molders, founders, and casters (metal):											
Brass molders, founders, and casters.....	13	13		8		5					
Iron molders, founders, and casters.....	1,490	1,490		583		649		210		48	
Other molders, founders, and casters.....	143	143		63		63		27			
21 Painters, glaziers, and varnishers (building).....	116	116		57		23		6			
22 Pattern and model makers.....	2,172	2,172		1,338		828		5		1	
23 Plumbers and gas and steam fitters.....	1,960	1,960		1,383		557		19		1	
24 Rollers and roll hands.....	120	120		86		29		5			
25 Sawyers.....	641	641		494		96		51			
26 Skilled occupations (not elsewhere classified) ¹	875	875		594		205		14			
27 Tinsmiths and sheet metal workers.....	4,608	4,607	1	3,252	1	1,338		10		7	
28 Toolmakers and die setters and sinkers.....	23,907	23,904	3	13,544	3	10,255		62		43	
29 Upholsters.....	15,980	15,097	883	12,238	709	2,770	167	54	6	35	1
30 Other skilled trades.....	3	3		3							
Apprentices:											
31 Designers' and draftsmen's apprentices.....	102	101	1	86		15	1				
32 Electricians' apprentices.....	62	52	10	48		7		1		1	
33 Machinists' apprentices.....	923	923		707		143		9		4	
34 Tinsmiths' and coppermiths' apprentices.....	26	26		24		2					
35 Other apprentices.....	1,337	1,300	37	1,095	36	170		15		14	1
36 Buffers and polishers (metal).....	7,927	7,771	166	5,227	117	2,442	39	74		28	
37 Charwomen and cleaners.....	96	53	43	21	24	21	16	11	3		
38 Chauffeurs and truck and tractor drivers.....	5,844	5,841	3	4,607	3	849		316		10	
39 Draymen and teamsters.....	306	306		241		48		10		1	
40 Elevator tenders.....	530	516	14	303	9	108		14	5		
41 Enamellers, lacquerers, and japanners.....	610	563	47	436	45	119	2	6		2	
42 Fillers (metal).....	5,632	5,608	20	3,107	24	2,490	5	20		10	
43 Firemen.....	1,440	1,440		870		450		114		6	
44 Furnace men, smelter men, and pourers.....	499	499		186		237		71		5	
45 Grinders (metal).....	6,545	6,510	35	4,337	23	1,912	10	223	2	38	
46 Guards, watchmen, and doorkeepers.....	3,004	2,999	5	2,108	2	818	3	74		1	
47 Heaters.....	448	448		200		174		73			
48 Housekeepers and stewards.....	69	14	55	9	42	11				1	
49 Janitors.....	2,507	2,441	66	621	23	698	28	1,111	15	11	1
50 Laborers.....	123,717	120,150	3,567	59,192	2,708	42,639	687	10,289	161	2,030	11
51 Oilers of machinery.....	694	632	62	394		203		1		7	
52 Operatives.....	161,937	142,925	19,032	90,081	15,658	30,820	3,270	3,154	91	861	13
53 Painters, glaziers, and varnishers (factory).....	23,776	23,319	457	16,929	337	5,069	93	520	6	171	1
54 Policemen.....	198	198		164		33		1			
55 Porters.....	491	491		60		64		375		2	
56 All other occupations.....	21	21		10		11					
57 Automobile repair shops.....	257,925	254,074	3,251	210,829	3,027	28,891	171	12,752	41	2,202	12
58 Owners, operators, and proprietors.....	16,713	16,631	82	14,268	73	2,160	9	156		47	
59 Managers and officials.....	6,365	6,330	35	5,877	31	433	3	14		6	1
60 Foremen and overseers.....	2,135	2,130	5	1,925	5	180		13		2	
61 Electrical engineers.....	48	48		44		4					
62 Mechanical engineers.....	90	90		70		20					
63 Other professional pursuits.....	17	17		16		1					
64 Accountants and auditors.....	156	139	17	121	17	18					
65 Agents (not elsewhere classified).....	40	38	2	35	2	3					
66 Bookkeepers and cashiers.....	2,341	839	1,502	787	1,421	49	67	1	10	2	4
67 Canvasers.....	19	19		16		3					
68 Clerks.....	1,642	1,219	423	1,120	395	38	26	7	2	4	
69 Collectors.....	40	34	6	31	6	3					
70 Credit men.....	25	20	5	20	5						
71 Messenger, errand, and office boys and girls.....	68	58	10	51	10	2				1	
72 Office appliance operators.....	15	2	13	1	13	1		4			
73 Purchasing agents.....	14	14		13		1					
74 Salesmen and saleswomen.....	641	627	14	574	12	41	2			3	
75 Shipping clerks.....	29	28	1	22		5	1			1	
76 Stenographers and typists.....	1,018	40	978	40	923		50		2		3
77 Other clerical pursuits.....	34	34		32		2					

¹Most of these were returned as metal "annealers," "hardeners," "temperers," "testers," or "treaters."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades, and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
		22		101		357		749		654		381		134		13			1	
		2		10		41		42		43		14		7					2	
		10		20		61		77		65		26		3					3	
		11		65		138		241		217		90		39		1			4	
8		46		282		825		1,186		1,036		529		156		12		2	5	
				3		6		16		10		3		1					6	
4	1	8	6	18	11	38	4	3	3	10	1	5		3					7	
				2		5		1		1		1		1					8	
				1		11		9		12		7		1					9	
		17		195		513		391		150		36		6				1	10	
		162		915		5,063		2,038		694		167		23		4		3	11	
3		17		141		736		835		500		250		81		3			12	
		1	1	7		9	1	11		7	1	2		1					13	
		123		906		2,523		1,064		573		90		16		1			14	
		1,438		9,139		24,127	1	20,633		9,121		3,064		617		35		31	15	
		974		5,640	1	15,472	1	8,821		3,314		888		194		10		23	16	
		27		211		1,146		1,530		1,100	1	481		88		10			17	
						3		2		3		4		1					18	
		19		151		416		508		239		84		14				9	19	
		2		23		38		49		22		9							20	
2		4		15		30		39		10		7							21	
		42		188		614		671		407		186		54		10			22	
		14		131		578		693		405		126		10		1		2	23	
		5		21		58		36		16		4							24	
		22		96		242		152		86		47		14		2			25	
		6		87		232		195		159		74		21		1			26	
		105		605		1,585		1,352	1	697		192		36		3		2	27	
		600		2,490	2	8,396	1	8,029		2,989		737		147		8		8	28	
61		575	133	3,196	236	5,009	311	3,320	151	1,455	37	615	13	202	2	25		9	29	
		1		1		1		1											30	
		80		14	1	7													31	
37		4		8		3													32	
613		162		120		20		2											33	
24		1		1		1													34	
637	30	334	4	287	2	59	1	10		2				1					35	
44	5	211	29	1,374	39	2,653	52	2,191	18	972	9	272	2	47	2	3		4	36	
	1	3	4	5	8	10	11	12	12	6	6	5	1	5	1	1			37	
		364		1,026		2,344		955		359		104		17		3		4	38	
65		24		116		78		71		24		7		6					39	
3	2	11	2	25	3	52	4	71	3	49	3	121		117		24			40	
2	6	10	10	106	16	177	7	143	4	97	3	23	1	6					41	
16	1	90	6	814	6	2,220	11	1,820	3	495	2	112		30		4		2	42	
		12		84		379		457		134		132		33		3			43	
		2		39		130		173		26		26		3					44	
21	2	152	5	1,098	12	2,530	7	1,803	7	674	1	186		44		1		1	45	
		5		57		220		435	2	753		927		638		2		02	1	46
		1		47		142		155		32		12		1				2	47	
		1		3		2		16		21		7		4					48	
		25		181		428	15	474	27	561	17	483	3	250		25		2	49	
1,150	174	4,888	611	20,856	1,136	35,741	890	30,872	540	17,582	162	6,843	40	1,019	7	170	4	99	3	50
		27		69		145		133		130		92		35						51
1,184	802	5,106	2,609	25,803	5,771	48,448	5,583	30,593	3,030	17,644	972	6,363	218	1,610	38	119	2	50	7	52
161	21	590	78	3,681	169	7,903	103	5,987	59	3,244	24	1,381	4	325	1	30		17	1	53
				6		9		43		56		44		10						54
3		14		68		154		123		73		37		17		2				55
		1		2		6		8		2		1		1						56
4,686	109	10,484	381	42,882	995	99,910	1,055	63,969	482	23,477	171	7,101	43	1,794	6	212	2	159	7	57
		54	2	744	3	5,539	24	6,042	21	2,894	19	1,032	9	282	3	26	1	18		58
		32		429	2	2,587	10	2,274	11	757	6	203	0	42		3		3		59
		7		164	1	980	4	712		208		66		12		1				60
				3		23		13		5		4								61
		10		26		29		29		16		8		1						62
		3		7		4		4		3										63
		1	2	23	5	48	5	40	4	19	1	0		1		1				64
				8		16		8	1	2		2		2						65
12	24	50	186	219	419	277	554	148	266	74	83	42	15	15		2	1	4		66
		1		5		6		2		3		2								67
59	21	121	53	361	107	393	138	159	78	59	23	49	1	15		3		2		68
		1		11		11		5		8		4		1						69
		0		3		6		10		2		1		1						70
24		4		5		9		8		2		1		1		1				71
		1		1		4		6		1		1		1						72
		1				7		5		5		1		1						73
13		29		138	3	235	3	141	5	48	2	18		5	1					74
2		3		7		4		4		3		3								75
2	50	7	108	12	421	11		11	56	5	15	3	2					1		76
		2		4		11		11		5		2		1						77

² Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official

	INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
					Male	Female	Male	Female	Male	Female	Male	Female
	IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES—Continued											
	Automobile repair shops—Continued.											
1	Blacksmiths.....	553	553		301		234		12		6	
2	Cabinetmakers.....	21	21		14		5		1		1	
3	Carpenters.....	216	216		124		89		1		2	
4	Electricians.....	3,663	3,663		3,322		299		15		27	
5	Engineers (stationary).....	74	74		65		7		2			
6	Forgemen and hammermen.....	151	151		122		23		2		4	
7	Machinists.....	17,934	17,934		14,950		2,126		711		147	
8	Mechanics (not otherwise specified).....	164,511	164,506	5	137,422	5	18,109		7,677		1,238	
9	Millwrights.....	21	21		16		5					
10	Painters, glaziers, and varnishers (building).....	122	122		108		7		5		2	
11	Plumbers and gas and steam fitters.....	25	25		18		7					
12	Tinsmiths and sheet metal workers.....	272	272		175		93		1		3	
13	Toolmakers and die setters and sinkers.....	70	70		57		22					
14	Upholsterers.....	1,427	1,407	20	1,185	18	196	2	8		18	
15	Other skilled trades.....	45	44	1	28		14	1	1		1	
	Apprentices:											
16	Electricians' apprentices.....	35	35		35							
17	Machinists' apprentices.....	275	275		249		7		13		6	
18	Other apprentices.....	2,914	2,906	8	2,610	5	115	2	117	1	64	
19	Buffers and polishers (metal).....	85	84	1	61		22		1			
20	Chauffeurs and truck and tractor drivers.....	1,260	1,259	1	918	1	72		198		71	
21	Filers (metal).....	47	47		41		6					
22	Firemen.....	20	20		16		3		1			
23	Grinders (metal).....	44	44		32		12					
24	Guards, watchmen, and doorkeepers.....	182	181	1	133		32	1	16			
25	Janitors.....	116	113	3	42	2	21		48		2	1
26	Laborers.....	12,653	12,617	36	8,583	21	1,201		2,644	15	189	
27	Others of machinery.....	50	50		37		7		5		1	
28	Operatives.....	9,452	9,407	45	7,378	34	1,800	3	612	5	108	3
29	Painters, glaziers, and varnishers (factory).....	10,012	9,977	35	7,668	27	1,750	4	322	4	237	
30	Porters.....	160	160		15		5		138		2	
31	All other occupations.....	56	54	2	41		9		2	2	2	
32	Blast furnaces and steel rolling mills¹.....	620,394	602,368	18,026	346,875	16,752	188,735	1,426	52,625	331	11,023	27
33	Owners, operators, and proprietors.....	1,433	1,424	9	1,021	9	402		1			
34	Managers and officials.....	9,011	8,920	91	7,929	84	986	7	4		1	
35	Foremen and overseers.....	20,291	20,196	95	15,670	87	4,321	7	184	1	21	
36	Chemists, assayers, and metallurgists.....	3,002	2,994	8	2,731	7	252	1	9		2	
37	Civil engineers and surveyors.....	1,580	1,580		1,403		172		3		2	
38	Designers.....	91	90	1	65	1	25					
39	Draftsmen.....	5,017	4,990	27	4,270	27	712		2		0	
40	Electrical engineers.....	564	564		486		78					
41	Lawyers.....	45	44	1	43	1	1					
42	Mechanical engineers ²	1,795	1,795		1,471		317		3		4	
43	Mining engineers ³	185	185		151		34					
44	Photographers.....	41	38	3	33	3	5					
45	Social and welfare workers.....	27	18	9	12	6	3	1	3	2		
46	Trained nurses.....	233	50	183	40	165	10	17		1		
47	Accountants and auditors.....	2,769	2,669	100	2,460	97	209	3				
48	Advertising agents.....	85	77	8	75	8	2					
49	Agents (not elsewhere classified).....	707	700	7	645	5	54	2			1	
50	Bookkeepers and cashiers.....	4,753	3,250	1,503	3,004	1,399	242	103	3	1	1	
51	Clerks.....	29,555	25,581	3,974	23,433	3,780	2,041	192	85	1	22	1
52	Collectors.....	16	15	1	14		1					
53	Commercial travelers.....	1,386	1,386		1,305		77		1			
54	Credit men.....	179	172	7	160	7	12					
55	Messenger, errand, and office boys and girls.....	1,066	1,023	43	918	41	64	2	41			
56	Office appliance operators.....	542	102	440	96	418	5	22	1			
57	Purchasing agents.....	657	652	5	617	5	35					
58	Sales agents.....	73	72	1	68	1	4					
59	Salesmen and saleswomen.....	2,406	2,394	12	2,234	11	158	1	1		1	
60	Shipping clerks.....	4,173	4,138	35	3,211	33	789	2	120		18	
61	Stenographers and typists.....	8,219	741	7,478	709	7,161	32	311		4		2
62	Weighters.....	1,339	1,322	17	1,117	14	172	3	30		3	
63	Other clerical pursuits.....	15	11	4	9		2					
64	Blacksmiths.....	3,793	3,793		1,762		1,933		73		20	
65	Boilermakers.....	2,596	2,596		1,621		921		40		14	
66	Brick and stone masons and tile layers.....	3,280	3,280		1,677		1,375		195		13	
67	Cabinetmakers.....	86	86		32		53		1			
68	Carpenters.....	4,470	4,470		2,826		1,599		39		6	
69	Cement finishers.....	19	19		4		7		8			
70	Compositors, linotypers, and typesetters.....	162	136	16	122	15	13	1			1	
71	Coopers.....	103	103		74		23					
72	Coppersmiths.....	31	31		13		13					
73	Cranemen, derrickmen, hoistmen, etc.....	14,902	14,902		9,633		4,731		454		84	
74	Electricians.....	9,196	9,196		7,759		1,334		38		5	
75	Engineers (stationary).....	7,144	7,143	1	5,477	1	1,545		110		11	
76	Engravers.....	51	51		36		14		1			
77	Forgemen and hammermen.....	2,044	2,044		1,444		553		43		4	
78	Machinists.....	30,417	30,417		21,469		8,562		903		86	
79	Mechanics (not otherwise specified).....	5,727	5,727		4,105		1,478		111		33	
80	Millwrights.....	4,932	4,932		2,968		1,907		60		7	

¹ Includes tin-plate mills. Sometimes it was impossible, from the enumerators' returns, to distinguish between workers in blast furnaces and steel rolling mills and workers in iron manufacturing establishments.

² Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
1		7		25		65		148		171		104		28		7				1		
		3		16		43		59		6		6		1						2		
		110		586		1,605		1,019		278		57		30		1				3		
		4		27		24		23		16		10		13						4		
		593		3,076		7,080		4,598		14		14		2						5		
		6,579		20,510		69,948		41,463		1,871		3,004		140		14				6		
4		5		2		6		7		13,124		8,004		624		60				7		
		2		2		6		6		18		2		1						8		
		2		2		3		10		4		9		3						9		
		6		22		83		97		43		20		2						10		
		2		7		29		21		13		5		1						11		
7		42	1	143	4	301	2	368	8	247	2	146	3	54		1				12		
				6		20	1	9		5		6				8				13		
																					14	
																					15	
30				1						1											16	
240				12		4		1		1											17	
2,603	3	107	2	113	3	19		1		1									2		18	
1		2		15	1	32		10		10		6		2							19	
35		103		273		450	1	229		108		50		10		1					20	
				9		20		14		3		1		1							21	
				1		10		3		4		1		1							22	
				1		8		11		9		2		1							23	
2		3		13		14		17		36	1	52		35		9					24	
3		1		7		32		14		23		17		11		5					25	
852	4	1,327	4	3,370	7	3,819	13	1,871	5	889	2	350	1	121		16					26	
1		2		15		14		12		4		2		2							27	
058	4	818	4	1,900	6	2,741	11	1,851	11	889	8	424	1	105		32					28	
126	3	309	2	1,524	2	3,000	9	2,376	8	1,518	6	724	4	244	1	4					29	
4		4		30		62		42		7		7		2							30	
		1		13		18		10		4		3		4		1					31	
6,441	728	22,245	2,380	84,261	6,111	164,397	5,448	164,428	2,585	103,478	943	43,882	255	11,808	58	983	13	440	17	32		
		2		11		103	3	388	2	454		288	2	108		11					33	
		10		156	8	1,446	25	3,175	23	2,607	23	1,188	7	287	2	49					34	
		56		889	17	4,747	23	6,025	28	4,097	12	2,321	11	617		29					35	
																					36	
		130		707	3	1,180	1	624	3	235		35		18							37	
				155		519		497		287		107		15							38	
				9		81		25		11		8		3							39	
		228	1	1,127	9	1,798	10	1,080	5	650	1	153	1	31		8					40	
				44		176		194		97		44		8		1					41	
				1		15		19		5		3		1							42	
				123		498		559		433		144		35		2					43	
				22		70		50		29		12		2							44	
		1		7		6		8		7		6		2		1					45	
				1		5		6		4		2		1							46	
				2		9		23		9		34		1							47	
																					48	
		10	4	279	19	832	39	908	25	424	10	166	1	40							49	
				17		30		17		12											50	
				27		170		254		144		81		18							51	
				702	435	1,044	512	680	274	364	102	170	25	72		8					52	
32	24	1,732	443	5,739	1,217	7,895	1,274	5,183	641	2,718	225	1,341	48	427	7	45					53	
433																						54
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* Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES—Continued											
Blast furnaces and steel rolling mills—Con.											
Molders, founders, and casters (metal):											
Brass molders, founders, and casters	9	9		6		2		1			
Iron molders, founders, and casters	4,860	4,860		2,594		1,080		518		68	
Painters, glaziers, and varnishers (building)	91	91		63		26		10		2	
Pattern and model makers	2,278	2,278		1,843		431		3		1	
Plumbers and gas and steam fitters	4,468	4,468		3,181		1,208		61		8	
Rollers and roll bands	27,958	27,958		19,771		6,890		1,080		217	
Sawyers	225	225		149		59		13		4	
Skilled occupations (not elsewhere classified) 1	1,521	1,520	1	1,005		415		38	1	2	
Tinsmiths and sheet-metal workers	811	811		644		167		9		1	
Toolmakers and die setters and sinkers	2,266	2,266		1,460		795		7		4	
Other skilled trades	9	9		5		2		1		1	
Apprentices:											
Designers' and draftsmen's apprentices	81	81		80		1					
Electricians' apprentices	59	59		56		2		1			
Machinists' apprentices	390	390		302		27				1	
Other apprentices	855	853	2	756		68		7		2	
Buffers and polishers (metal)	599	599		393		5		200	4	20	1
Charwomen and cleaners	87	23	34	4	13	14	18	5	3		
Chauffeurs and truck and tractor drivers	3,361	3,361		2,556		408		326		11	
Draymen and teamsters	245	245		154		47		44			
Elevator tenders	133	128	5	55		4		8		1	
Enamellers, lacquerers, and japanners	166	166		155		10		1			
Filers (metal)	153	151	2	97		2		50		4	
Firemen	4,087	4,087		1,949		1,487		625		46	
Furnace men, smelter men, and pourers	8,561	8,561		4,439		2,008		827		107	
Grinders (metal)	1,685	1,684	1	887		673		206		18	
Guards, watchmen, and doorkeeper	3,331	3,331		2,190		1,068		70		3	
Heaters	11,937	11,937		7,065		3,627		320		25	
Housekeepers and stewards 2	36	15	21	10	17	3		2			
Janitors	1,652	1,583	69	359	27	667	40	517	12	10	
Laborers	235,720	234,524	1,202	93,254	722	93,365	253	38,709	206	9,100	21
Oilers of machinery	2,017	2,017		1,125		733		110		40	
Operatives	106,664	103,575	3,089	62,006	2,552	33,035	436	6,763	68	781	3
Painters, glaziers, and varnishers (factory)	1,770	1,765	15	1,035	13	633	2	70		17	
Policemen	1,174	1,174		951		221		2			
Porters	137	137		17		21		90			
Puddlers	1,327	1,327		942		309		76			
All other occupations	7		7		5		2				
Car and railroad shops 2	225,638	223,511	2,127	159,379	1,765	44,803	226	16,148	131	3,081	5
Owners, operators, and proprietors	26	26		23		3					
Managers and officials	782	776	6	658	6	88					
Foremen and overseers	7,296	7,209	27	6,148	20	1,048	6	55	1	18	
Chemists, assayers, and metallurgists	48	47	1	41	1	6					
Civil engineers and surveyors	33	33		28		5					
Designers	12	12		12							
Draftsmen	701	695	6	582	5	111	1			2	
Electrical engineers	94	94		83		10		1			
Mechanical engineers	166	166		139		26				1	
Trained nurses	16	8	13	3	11		2				
Other professional pursuits	12	12		10		2					
Accountants and auditors	206	283	13	261	13	22					
Agents (not elsewhere classified)	79	79		73		5				1	
Bookkeepers and cashiers	525	423	102	386	90	35	12	1		1	
Clerks	5,642	5,096	446	4,505	434	378	12	93		30	
Commercial travelers	27	27		20		1					
Messenger, errand, and office boys and girls	251	246	6	207	4	7	1	29	1	2	
Office appliance operators	111	44	67	41	63	2	4	1			
Purchasing agents	60	60		55		5					
Salesmen and saleswomen	51	49	2	44	1	4	1	1			
Shipping clerks	170	169	1	166	1	26		7			
Stenographers and typists	793	115	678	108	660	6	18	1			
Writers	23	23		17		2		4			
Other clerical pursuits	9	9		9							
Blacksmiths	5,685	5,685		3,860		1,513		251		61	
Boilermakers	12,477	12,477		9,638		2,299		351		189	
Brick and stone masons and tile layers	107	107		63		35		8		1	
Cabinetmakers	929	920	9	427		487		15			
Carpenters	18,003	18,003		12,380		5,162		345		123	
Compositors, linotypers, and typesetters	22	22		18		4					
Coopers	51	51		28		18		5			
Coppersmiths	270	270		239		10		9		3	
Cranemen, derrickmen, hoistmen, etc.	1,069	1,067	2	805		165	2	34		3	
Electricians	2,392	2,392		2,186		215		36		5	
Engineers (stationary)	727	727		597		103		25		2	
Forgemen and hammermen	2,658	2,658		2,170		484		25		9	
Machinists	35,835	35,835		29,745		5,195		601		293	
Mechanics (not otherwise specified)	4,215	4,215		3,181		621		288		125	
Millwrights	286	286		185		100					
Molders, founders, and casters (metal):											
Brass molders, founders, and casters	44	44		25		18		1			
Iron molders, founders, and casters	1,205	1,205		756		351		91		7	
Other molders, founders, and casters	30	30		23		4		2		1	
Painters, glaziers, and varnishers (building)	92	92		77		9		4		2	

1 Most of these were returned as metal "annealers," "hardeners," "temperers," "testers," or "treaters."

2 Includes hostesses and matrons.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
																				1
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3 Sometimes it was impossible, from the enumerators' returns, to distinguish between workers in car and railroad shops and workers on steam and street railroads.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

	INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
					Male	Female	Male	Female	Male	Female	Male	Female
IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES—Continued.												
Car and railroad shops—Continued.												
1	Pattern and model makers.....	522	522		417		105					21
2	Plumbers and gas and steam fitters.....	4,352	4,352		3,718		545					
3	Rollers and roll hands.....	27	27		16		3			8		
4	Sawyers.....	36	36		23		12					3
5	Tinsmiths and sheet metal workers.....	1,812	1,812		1,460		326		23			1
6	Toolmakers and die setters and sinkers.....	288	288		209		70		2			3
7	Upholsterers.....	953	946	7	638	2	207	5	38			
8	Other skilled trades.....	29	29		17		11		1			
Apprentices:												
9	Blacksmiths' apprentices.....	63	63		55		4		2			2
10	Boilermakers' apprentices.....	240	240		219		17					4
11	Carpenters' apprentices.....	111	111		98		8		1			4
12	Electricians' apprentices.....	56	56		52		4					
13	Machinists' apprentices.....	1,138	1,137	1	1,088	1	30		2			8
14	Plumbers' apprentices.....	55	55		50		2		1			2
15	Tinsmiths' and coppersmiths' apprentices.....	45	45		44		1					1
16	Other apprentices.....	1,002	1,000	2	938	2	30		18			10
17	Buffers and polishers (metal).....	104	102	2	65		33	1	6		1	
18	Charwomen and cleaners.....	30	14	16	7		5	5	2		1	
19	Chauffeurs and truck and tractor drivers.....	337	337		269	10	40		22			6
20	Draymen and teamsters.....	24	24		14		6		4			1
21	Filers (metal).....	143	142	1	98		41	1	2			1
22	Firemen (except locomotive).....	008	008		515		153		220			18
23	Furnace men, smelter men, and pourers.....	142	142		82		41		18			1
24	Grinders (metal).....	114	114		65		41		8			
25	Guards, watchmen, and doorkeepers.....	714	714		508		170		30			6
26	Heaters.....	251	251		173		65		12			1
27	Janitors.....	382	363	10	98	4	122	10	137	5	6	6
28	Laborers.....	37,789	37,642	247	19,019	99	8,105	60	9,130	96	1,288	2
29	Oilers of machinery.....	799	799		490		152		148			9
30	Operatives.....	66,008	64,673	435	45,423	322	14,779	84	3,044	20	727	3
31	Painters, glaziers, and varnishers (factory).....	4,716	4,695	21	3,293	13	1,115	8	210			68
32	Policemen.....	59	59		47		12					
33	Porters.....	112	112		10		4		96			2
34	All other occupations.....	59	53	6	34		17	3	2			
35	Ship and boat building.....	93,437	92,094	1,343	59,109	1,218	24,751	100	7,605	23	620	2
36	Owners, operators, and proprietors.....	054	650	4	500	3	149	1	1			
37	Managers and officials.....	922	916	6	780	6	136					
38	Foremen and overseers.....	1,509	1,563	6	1,137	3	401	3	21			4
39	Chemists, assayers, and metallurgists.....	26	26		23		3					
40	Civil engineers and surveyors.....	102	102		83		19					
41	Designers.....	37	37		28		9					
42	Draftsmen.....	1,331	1,321	10	1,020	8	292	2				3
43	Electrical engineers.....	97	97		79		18					
44	Mechanical engineers.....	219	219		163		50					
45	Trained nurses.....	15	3	12	3	10		2				
46	Other professional pursuits.....	19	19		15		4					
47	Accountants and auditors.....	235	230	5	212	4	18	1				
48	Agents (not elsewhere classified).....	45	46		41		4					
49	Bookkeepers and cashiers.....	644	485	159	411	152	72	7	2			
50	Canvassers.....	15	15		9		6					
51	Clerks.....	2,845	2,490	355	2,227	333	229	22	32			2
52	Commercial travelers.....	33	33		27		5		1			
53	Messenger, errand, and office boys and girls.....	113	99	14	88	14	4		7			
54	Office appliance operators.....	58	25	33	20	31	3	2	2			
55	Purchasing agents.....	110	110		96		14					
56	Salesmen and saleswomen.....	88	85	1	75	1	10					
57	Shipping clerks.....	146	145	1	102	1	38		5			
58	Stenographers and typists.....	672	60	612	54	575	6	37				
59	Weighers.....	50	50		30		7		4			9
60	Other clerical pursuits.....	13	12	1	9	1	2		1			
61	Blacksmiths.....	1,076	1,076		528		480		65			3
62	Boilermakers.....	2,387	2,387		1,723		620		38			6
63	Brick and stone masons and tile layers.....	50	50		22		23		6			
64	Cabinetmakers.....	321	321		135		185		1			
65	Carpenters.....	14,793	14,792	1	8,555		5,849		349	1		30
66	Coastal fishermen.....	17	17		7		2		8			
67	Compositors, linotypers, and typesetters.....	18	18		14		2		2			
68	Coopers.....	50	50		27		15		8			
69	Coppersmiths.....	395	395		271		120		2			2
70	Cranemen, derrickmen, hoistmen, etc.....	555	555		450		86		19			
71	Electricians.....	2,049	2,049		1,796		249		2			2
72	Engineers (stationary).....	967	957		678		262		15			2
73	Forgemen and hammermen.....	161	161		120		32		4			5
74	Machinists.....	8,510	8,510		5,849		2,590		51			14
75	Mechanics (not otherwise specified).....	3,445	3,445		2,554		818		67			6
76	Millwrights.....	101	101		71		29		1			
77	Molders, founders, and casters (metal): Iron molders, founders, and casters.....	294	294		210		65		19			
78	All other molders, founders, and casters.....	30	30		20		7		3			
79	Painters, glaziers, and varnishers (building).....	188	188		139		38		13			1
80	Pattern and model makers.....	676	676		531		141		4			
81	Plumbers and gas and steam fitters.....	2,746	2,746		2,274		439		29			4
82	Sawyers.....	52	52		43		6		2			1
83	Tinsmiths and sheet-metal workers.....	949	949		757		187		2			3
84	Toolmakers and die setters and sinkers.....	204	204		145		58		1			
85	Upholsterers.....	41	40	1	20	1	20					
86	Other skilled trades.....	35	35		31		4					

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES—Continued											
Ship and boat building—Continued.											
Apprentices:											
1 Designers' and draftsmen's apprentices.....	35	35		32		2		1			
2 Carpenters' apprentices.....	43	43		41				2			
3 Electricians' apprentices.....	53	53		50		2				1	
4 Machinists' apprentices.....	134	134		128		6					
5 Plumbers' apprentices.....	44	44		42		2					
6 Tinsmiths' and coppersmiths' apprentices.....	33	33		32				1			
7 Other apprentices.....	324	323	1	290	1	18		6			
8 Buffers and polishers (metal).....	32	32		25		6		1			
9 Chauffeurs and truck and tractor drivers.....	397	397		305		41		51			
10 Draymen and teamsters.....	45	45		23		7		15			
11 Filers (metal).....	50	50		36		14					
12 Firemen.....	352	352		196		93		57		6	
13 Furnace men, smelter men, and pourers.....	39	39		23		15		1			
14 Grinders (metal).....	23	23		13		8		2			
15 Guards, watchmen, and doorkeepers.....	806	806		566		219		19		2	
16 Heaters.....	157	157		115		23		19			
17 Janitors.....	145	138	7	57	6	25	1	53		3	
18 Laborers.....	17,352	17,325	27	8,047	7	4,351	3	4,540	17	378	
19 Oilers of machinery.....	80	80		58		15		7			
20 Operatives.....	10,069	19,904	65	12,714	50	5,236	11	1,855	2	99	2
21 Painters, glaziers, and varnishers (factory).....	3,025	3,018	7	2,027	4	804	2	154	1	33	
22 Policemen.....	63	63		55		7		1			
23 Porters.....	33	33		6		8		19			
24 All other occupations.....	47	32	15	14	7	12	6	5	2	1	
25 Wagon and carriage factories.....	9,144	8,541	603	5,991	480	2,248	121	266	2	15	
26 Owners, operators, and proprietors.....	318	316	2	222	1	94	1				
27 Managers and officials.....	252	247	5	225	4	21	1	1			
28 Foremen and overseers.....	206	261	5	211	5	49		1			
29 Draftsmen.....	20	20		17		3					
30 Other professional pursuits.....	15	15		11		4					
31 Accountants and auditors.....	17	15	2	14	2	1					
32 Bookkeepers and cashiers.....	140	75	65	70	63	5	2				
33 Clerks.....	175	132	43	123	39	6	4	2		1	
34 Commercial travelers.....	25	25		24		1					
35 Purchasing agents.....	18	17	1	15	1	2					
36 Salesmen and saleswomen.....	44	44		43		1					
37 Shipping clerks.....	96	93	3	81	2	12	1				
38 Stenographers and typists.....	131	10	121	10	116		5				
39 Other clerical pursuits.....	22	20	2	20	2						
40 Blacksmiths.....	865	865		479		349		35		2	
41 Cabinetmakers.....	37	37		20		17					
42 Carpenters.....	278	278		187		85		4		2	
43 Engineers (stationary).....	43	43		37		6					
44 Forgemen and hammermen.....	11	11		6		5					
45 Machinists.....	280	280		230		48		2			
46 Mechanics (not otherwise specified).....	514	514		381		115		16		2	
47 Millwrights.....	51	51		33		17		1			
Molders, founders, and casters (metal):											
48 Iron molders, founders, and casters.....	38	38		18		17		3			
49 Other molders, founders, and casters.....	5	5		3		2					
50 Painters, glaziers, and varnishers (building).....	16	16		14		1		1			
51 Pattern and model makers.....	17	17		13		4					
52 Sawyers.....	39	39		31		6		2			
53 Tinsmiths and sheet metal workers.....	16	16		11		5					
54 Toolmakers and die setters and sinkers.....	27	27		10		11					
55 Upholsterers.....	166	98	68	72	47	26	21				
60 Other skilled trades.....	24	24		18		5		1			
57 Apprentices.....	31	24	7	21	4	3	3				
58 Chauffeurs and truck and tractor drivers.....	68	68		53		8		7			
59 Draymen and teamsters.....	22	22		12		2		8			
60 Firemen.....	55	55		38		15		4			
61 Guards, watchmen, and doorkeepers.....	66	66		45		14		4			
62 Laborers.....	1,419	1,408	13	990	9	253	4	153		4	
63 Operatives.....	2,766	2,517	249	1,621	172	809	76	25	2	2	
64 Painters, glaziers, and varnishers (factory).....	689	672	17	511	13	152	4	7		2	
65 All other occupations.....	62	62		36		17		9			
66 Other iron and steel and machinery factories¹.....	1,218,548	1,118,798	94,752	794,314	83,633	279,156	10,281	40,833	795	4,493	53
67 Owners, operators, and proprietors.....	14,400	14,283	117	11,200	96	3,056	21	14		13	
68 Managers and officials.....	34,663	33,927	636	30,106	591	3,811	45	6		4	
69 Foremen and overseers.....	35,933	35,113	820	28,085	711	6,823	107	180	2	25	
70 Chemists, assayers, and metallurgists.....	1,273	1,249	24	1,133	22	115	2			1	
71 Civil engineers and surveyors.....	1,529	1,529		1,304		220		2		3	
72 Designers.....	337	332	5	250	5	82					
73 Draftsmen.....	17,125	16,961	164	14,262	138	2,663	26	16		20	
74 Electrical engineers.....	1,347	1,347		1,168		177				2	
75 Lawyers.....	128	127	1	119	1	8					
76 Mechanical engineers ²	9,384	9,384		7,622		1,740		6		7	
77 Mining engineers ²	216	216		195		21					
78 Photographers.....	104	95	9	85	8	10	1				
79 Social and welfare workers.....	27	19	8	16	7	1		2		1	
80 Trained nurses.....	162	20	142	19	120	1	21		1		

¹ Includes iron foundries.² Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
14		13		6		2														1
22		8		11		2														2
30		12		10				1												3
52		34		45		3														4
21		13		9		1														5
24		4		5																6
119	1	97		100		5		1		1										7
4		13		4		8		8		5		6		1						8
				69		153		100		46		12								9
				6		13		12		7		4		3						10
				2		4		10		11		15		10						11
3		5		23		80		90		77		53		17		3				12
1				4		6		13		9		6		2						13
				4		4		6		7		3		3						14
				18		49		98		183		253		108		1				15
20		20		51		47		8		3		1		35						16
		1		4		10		25		3		1		4						17
497		1,000	2	2,825	4	4,440	10	3,907	6	2,760	3	1,247	3	24		4				18
343	8	764	9	2,415	10	5,105	8	5,185	11	3,537	4	1,798	7	560	1	60				19
32		93		388	1	771	1	737	2	537		335	1	113	1	11		17		20
				3		3		20		22		13		5						21
				10		10		4		10		2		4						22
				2		2		8		6		9		4						23
				2		2		4		3		2		4						24
				2		2		4		6		9		4						25
203	43	281	78	708	165	1,560	159	1,735	94	1,665	48	1,340	12	735	3	187	1	11		26
				1		10		47	1	85	1	86		56		21				27
				0		36		65	1	67	2	52	1	17		3				28
				5	1	42	1	77	3	76		48		10		3				29
		1		6		10		2		1		2		1						30
				2		6		2		2		2		1						31
				2		4	1	6		2	1	2		1						32
1	1	3	4	11	13	34	22	14	11	9	10	2	3	1						33
6	1	7	6	36	17	33	12	24	0	14	1	10		2			1			34
				5		6		6		6		8		2						35
				3		9		9	1	4		4		2						36
				12		7		7		7		4		4						37
				22		21		21		15	1	13		3						38
				3		3	40	2	10	1	2	1		1						39
				2		2		5		3		3		3						40
				21		98		210		236		177		92		19				41
				3		9		7		10		6		2						42
				15		48		54		67		40		37		10		2		43
				1		4		9		12		9		7		1				44
				1		1		1		9		8		2						45
				20		63		80		42		37		18		2				46
				30		68		96		84		103		87		36				47
				4		8		4		16		10		10						48
				3		1		14		16		2		2						49
				2		2		2		2		4		4						50
				2		7		7		4		2		2						51
				12		12		6		5		9		3						52
				3		3		3		3		3		2						53
				2		2		3		3		3		2						54
				0		0		2		1		1		1						55
3		5		20		22	14	22	16	12	9	9	3	16	1	4				56
				5		7		6		3		1		1						57
				2		2		11		10		2		2						58
				12		4		2		10		2		3						59
				1		6		14		18		10		6						60
				2		2		9		8		24		19		2				61
				1		1		2		2		2		84		10				62
58		90	3	196	4	303		254	3	242	3	157		226	2	67				63
96	28	104	34	203	68	506	63	470	42	413	18	372	4	63		67				64
11	3	18	6	64	3	105	5	129		148		127		10						65
1		1		4		17		10		6		13								66
10,465	6,065	42,498	13,102	140,993	30,087	292,637	26,095	284,261	12,420	197,730	5,080	101,620	1,533	34,781	917	4,218	38	845	55	67
		13	1	170	2	1,788	9	4,018	30	4,145	32	2,704	26	1,223	9	210	2	12		68
		34	6	786	68	7,056	156	11,982	183	8,571	151	4,039	58	1,260	17	174	2	25		69
14	4	92	28	1,251	138	7,938	261	11,533	218	8,007	117	4,180	40	1,081	11	87	2	30	1	70
				249	7	478	12	295	4	122		34	1	9		1				71
				106		487		468	4	304		146		34		4				72
				39		124	2	96		44	1	14		10		1				73
		1,023	11	3,985	43	6,549	59	3,326	35	1,443	11	463	4	140	1	25	7			74
				129		452		417		247		76		24		2				75
				6		47		41		20		9		4						76
				610		2,084		2,900		1,921		721		210		21				77
				22		86		72		30		5		2						78
				14		21		23		8		8		7		1				79
2	1	3		1		1		2		5		2		2						80
				1	15	2	62	8	40	7	20	2	4	1	2	1				

² Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES—Continued											
Other iron and steel and machinery factories—Continued.											
1 Accountants and auditors.....	6,128	5,604	404	5,180	437	483	27				1
2 Advertising agents.....	686	644	42	598	41	45	1	1			
3 Agents (not elsewhere classified).....	3,396	3,320	76	2,991	69	312	5	7	2	10	
4 Bookkeepers.....	10,600	7,623	3,877	6,990	8,347	615	522	0	3	0	5
5 Carvassers.....	311	276	35	253	34	22	1	1			
6 Clerks.....	55,332	40,174	15,158	30,213	14,304	3,796	847	137	5	28	2
7 Collectors.....	432	413	19	361	17	52	2				
8 Commercial travelers.....	12,828	12,828	55	12,021	47	791	8	3		13	
9 Credit men.....	717	682	35	630	33	42	2			1	
10 Messenger, errand, and office boys and girls.....	1,924	1,822	102	1,684	97	90	4	47	1	1	
11 Office appliance operators.....	1,444	306	1,138	277	1,060	24	72	5			
12 Purchasing agents.....	2,106	2,120	76	1,990	73	128	3	1		1	
13 Sales agents.....	356	353	3	311	3	39	1	1		2	
14 Salesmen and saleswomen.....	14,422	14,269	153	13,244	148	1,002	5	4		10	
15 Shipping clerks.....	10,717	10,487	230	8,702	200	1,601	28	171	2	13	
16 Stenographers and typists.....	26,512	1,375	25,137	1,302	23,926	65	1,200	3	8	5	3
17 Weighers.....	402	352	50	257	40	73	4	22			
18 Blacksmiths.....	26,012	26,012		15,539		8,473		1,409		201	
19 Boilermakers.....	12,931	12,931		9,242		3,373		232		84	
20 Brick and stone masons and tile layers.....	535	535		288		214		31		2	
21 Cabinetmakers.....	1,087	1,087		608		476		3			
22 Carpenters.....	5,870	5,870		4,013		1,797		50		10	
23 Cement finishers.....	27	27		14		7		6			
24 Compositors, linotypers, and typesetters.....	659	600	59	538	51	59	8	2		1	
25 Coopers.....	100	106		68		35		3			
26 Coppersmiths.....	289	289		160		122		1			
27 Cranemen, derrickmen, hoistmen, etc.....	5,313	5,313		3,864		1,218		230		11	
28 Electricians.....	7,504	7,504		6,440		1,033		25		6	
29 Engineers (stationary).....	9,261	9,260	1	7,275	1	1,899		74		12	
30 Engravers.....	502	428	74	306	65	122	9				
31 Forgemen and hammermen.....	9,472	9,471	1	6,941		2,373	1	111		46	
32 Goldsmiths and silversmiths.....	14	14		7		7					
33 Loom fixers.....	110	109	1	59	1	50					
34 Machinists.....	208,181	208,181		148,486		58,435		922		338	
35 Mechanics (not otherwise specified).....	47,992	47,979	13	30,477	11	10,580	2	676		246	
36 Millwrights.....	5,339	5,339		3,532		1,470		28		3	
Molders, founders, and casters:											
37 Brass molders, founders, and casters.....	116	116		70		44		2			
38 Iron molders, founders, and casters.....	52,411	52,409	2	20,865	2	17,949		4,201		304	
39 Other molders, founders, and casters.....	226	226		145		65		16		1	
40 Painters, glaziers, and varnishers (building).....	131	131		96		31		4			
41 Pattern and model makers.....	8,877	8,872	5	7,076	2	1,777	3	10		6	
42 Plumbers and gas and steam fitters.....	6,355	6,355		5,199		1,047		90		19	
43 Rollers and roll hands.....	612	612		359		205		38		10	
44 Sawyers.....	364	364		301		52		10		1	
45 Skilled occupations (not elsewhere classified).....	2,572	2,564	8	1,799		736		27		2	
46 Tinsmiths and sheet-metal workers.....	7,921	7,920	1	6,165	8	1,710		21		15	
47 Toolmakers and die setters and sinkers.....	27,480	27,486	4	18,467	4	8,080		26		4	
48 Upholsterers.....	117	108	9	81	8	26		1	1		
49 Other skilled trades.....	28	28		21		7					
Apprentices:											
50 Designers' and draftsmen's apprentices.....	387	381	6	367	4	14	2				
51 Blacksmiths' apprentices.....	227	227		187		15		21		4	
52 Boiler makers' apprentices.....	188	188		174		11		3			
53 Electricians' apprentices.....	84	84		81		3					
54 Machinists' apprentices.....	6,852	6,851	1	6,310	1	508		15		18	
55 Plumbers' apprentices.....	50	50		48		2					
56 Tinsmiths' and coppersmiths' apprentices.....	98	98		91		7					
57 Other apprentices.....	2,845	2,826	19	2,578	16	209	3	25		14	
58 Buffers and polishers.....	10,013	9,586	427	5,834	329	3,086	95	60	8	7	
59 Charwomen and cleaners.....	118	54	64	25	30	10	28	13	6		
60 Chauffeurs and truck and tractor drivers.....	7,108	7,106	2	5,688	1	803	1	535		30	
61 Draymen and teamsters.....	567	567		349		93		64		1	
62 Elevator tenders.....	709	677	32	369	25	280	3	27	4	1	
63 Enamelers, lacquerers, and japanners.....	1,774	1,575	199	1,164	167	392	32	13		6	
64 Filers.....	2,675	2,561	114	1,819	100	716	14	20		6	
65 Firemen.....	4,284	4,284		2,273		1,533		473		5	
66 Furnace men, smelter men, and pourers.....	2,895	2,895		1,451		866		564		14	
67 Grinders.....	13,092	12,727	365	8,016	265	4,287	95	395	5	29	
68 Guards, watchmen, and doorkeepers.....	5,806	5,793	13	3,884	11	1,830	2	115		14	
69 Heaters.....	1,421	1,421		968		401		51		1	
70 Housekeepers and stewards.....	86	22	64	17	51	5	11		2		
71 Janitors.....	2,811	2,720	91	1,194	53	944	17	581	21	1	
72 Laborers.....	171,814	167,534	4,280	90,882	3,241	52,077	709	22,716	817	1,859	13
73 Oilers of machinery.....	1,112	1,107	5	696	4	365	1	45		1	
74 Operatives.....	248,911	213,952	34,959	151,777	28,306	55,746	6,227	5,651	396	778	30
75 Painters, glaziers, and varnishers (factory).....	7,894	7,040	854	5,094	287	1,787	62	137	5	22	
76 Policemen.....	194	193	1	151	1	39		3			
77 Porters.....	608	607	1	138		171	1	366		2	
78 Puddlers.....	114	114		59		38		17			

Most of these were returned as metal "annealers," "hardeners," "temperers," "testers," or "treaters."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
IRON AND STEEL, MACHINERY, AND VEHICLE INDUSTRIES—Continued											
1 Not specified metal industries.....	198,899	161,962	6,937	91,035	5,396	50,102	891	17,882	182	2,943	28
2 Owners, operators, and proprietors.....	1,534	1,521	13	1,074	11	447	2				
3 Managers and officials.....	3,590	3,512	48	2,971	43	535	5	2		4	
4 Foremen and overseers.....	4,895	4,831	64	3,651	54	1,107	10	68		16	
5 Chemical engineers ¹	82	82		68		14					
6 Chemists, assayers, and metallurgists.....	643	638	5	545	4	85	1	7		1	
7 Civil engineers and surveyors.....	79	79		68		10				1	
8 Designers.....	36	34	2	29	2	5					
9 Draftsmen.....	771	763	8	690	8	132		1			
10 Electrical engineers.....	63	63		53		10					
11 Mechanical engineers ²	353	353		277		75				1	
12 Trained nurses.....	10	7	12	6	12	1					
13 Other professional pursuits.....	5	5		4		1					
14 Accountants and auditors.....	575	538	37	477	35	61	2				
15 Advertising agents.....	17	15	2	14	2	1					
16 Agents (not elsewhere classified).....	107	105	2	80	2	16					
17 Bookkeepers and cashiers.....	1,696	987	759	840	696	96	61		2	1	
18 Canvassers.....	13	13		10		3					
19 Clerks.....	4,222	3,255	967	2,028	908	206	56	18	2	13	1
20 Commercial travelers.....	267	266	1	242		24			1		
21 Credit men.....	30	29	1	28		1					
22 Messenger, errand, and office boys and girls.....	122	113	9	100	8	9	1	4			
23 Office appliance operators.....	75	24	51	22	47	2	4				
24 Purchasing agents.....	225	221	4	198	4	23					
25 Salesmen and saleswomen.....	473	467	6	411	5	54	1	1		1	
26 Shipping clerks.....	1,293	1,264	19	956	19	267		30		2	
27 Stenographers and typists.....	1,834	110	1,724	103	1,640	5	83			2	1
28 Weighers.....	117	117		85		21		10		1	
29 Other clerical pursuits.....	11	11		8		3					
30 Blacksmiths.....	999	999		522		440		21		16	
31 Boilermakers.....	525	525		365		129		19		12	
32 Brick and stone masons and tile layers.....	139	139		61		64		13		1	
33 Cabinetmakers.....	46	46		22		24					
34 Carpenters.....	867	867		540		311		12		4	
35 Compositors, linotypers, and typesetters.....	30	30		28		7		1			
36 Coopers.....	18	18		11		4		3			
37 Coppersmiths.....	75	75		33		42					
38 Cranemen, derrickmen, hoistmen, etc.....	1,217	1,217		772		364		72		9	
39 Electricians.....	690	690		567		119		2		2	
40 Engineers (stationary).....	808	808		601		194		10		3	
41 Engravers.....	148	146	2	101	1	43	1			2	
42 Forgers and hammermen.....	772	772		514		230		26		2	
43 Goldsmiths and silversmiths.....	10	10		7		3					
44 Machinists.....	7,373	7,373		5,433		1,807		109		24	
45 Mechanics (not otherwise specified).....	1,503	1,503		1,033		306		56		18	
46 Millwrights.....	611	611		436		162		13			
Molders, founders, and casters:											
47 Brass molders, founders, and casters.....	35	35		26		9					
48 Iron molders, founders, and casters.....	541	541		345		169		30		1	
49 Other molders, founders, and casters.....	31,697	31,689	8	16,248	5	12,511	3	2,621		300	
50 Painters, glaziers, and varnishers (building).....	27	27		9		10		8			
51 Pattern and model makers.....	2,556	2,556		1,947		507		8		4	
52 Plumbers and gas and steam fitters.....	379	379		286		75		16		2	
53 Rollers and roll hands.....	121	121		63		34		19			
54 Sawyers.....	34	34		29		5					
55 Skilled occupations (not elsewhere classified) ³	267	265	2	176	1	79		10	1		
56 Tinsmiths and sheet-metal workers.....	1,705	1,705		1,231		466		11		7	
57 Toolmakers and die setters and sinkers.....	1,068	1,068		698		368		2			
58 Upholsters.....	10	10		9		1					
59 Other skilled trades.....	6	6		3		3					
Apprentices:											
60 Designers' and draftsmen's apprentices.....	20	20		18		2					
61 Machinists' apprentices.....	107	107		97		8		2			
62 Tinsmiths' and coppersmiths' apprentices.....	28	28		27		1					
63 Other apprentices.....	694	650	5	596	5	42		12		9	
64 Buffers and polishers.....	3,178	3,124	54	1,064	44	1,135	7	22	3	3	
65 Chauffeurs and truck and tractor drivers.....	1,231	1,231		885		148		189		9	
66 Draymen and teamsters.....	107	107		99		23		15			
67 Elevator tenders.....	43	43		16		21		5		1	
68 Enamellers, lacquerers, and japanners.....	233	194	39	104	31	86	8	4			
69 Filers.....	310	288	22	203	19	81	3	1		3	
70 Firemen.....	942	942		969		373		186		14	
71 Furnace men, smelter men, and pourers.....	2,021	2,021		968		710		269		54	
72 Grinders.....	1,710	1,682	28	875	17	580	6	211	5	16	
73 Guards, watchmen, and doorkeepers.....	998	997	1	627	1	328		39		3	
74 Heaters.....	130	130		62		44		23		1	
75 Janitors.....	299	287	9	103	5	103		88	4	3	
76 Laborers.....	50,783	50,194	594	19,479	345	16,593	116	12,033	119	2,089	14
77 Oilers of machinery.....	96	96		65		28		2		1	
78 Operatives.....	27,889	25,501	2,388	16,130	1,821	7,054	512	1,447	43	270	12
79 Painters, glaziers, and varnishers (factory).....	553	512	41	329	35	164	5	13	1	6	
80 Porters.....	71	71		11		12		48			
81 Puddlers.....	59	59		22		10		24		3	
82 All other occupations.....	35	25	10	18	5	6	4	1	1		

¹ Included, in other occupation tables, in the group "Mining engineers."

² Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
METAL INDUSTRIES (EXCEPT IRON AND STEEL)											
1 Brass mills.....	69,964	63,034	6,930	37,038	5,788	23,458	1,095	2,348	40	190	7
2 Owners, operators, and proprietors.....	689	684	5	535	4	148	1			1	
3 Managers and officials.....	1,796	1,760	36	1,525	33	236	3				
4 Foremen and overseers.....	2,807	2,746	61	2,068	55	669	6	0			
5 Chemists, assayers, and metallurgists.....	202	191	11	167	10	24	1				
6 Civil engineers and surveyors.....	23	23		25		3					
7 Designers.....	36	33	3	26	3	6				1	
8 Draftsmen.....	463	463	5	389	4	73	1	1			
9 Electrical engineers.....	49	49		42		7					
10 Mechanical engineers.....	239	239		204		35					
11 Mining engineers.....	19	19									
12 Trained nurses.....	18	1	17	1	14		3				
13 Other professional pursuits.....	8	8		7		1					
14 Accountants and auditors.....	303	279	24	244	23	35	1				
15 Advertising agents.....	19	17	2	17	2						
16 Agents (not elsewhere classified).....	104	104		98		6					
17 Bookkeepers and cashiers.....	370	433	443	386	418	46	24	1			1
18 Clerks.....	3,695	2,651	1,044	2,306	978	327	66	15		3	
19 Commercial travelers.....	313	312	1	289	1	23					
20 Credit men.....	28	27	1	26	1	1					
21 Messenger, errand, and office boys and girls.....	116	112	4	105	4	6		1			
22 Office appliance operators.....	58	11	47	10	42	2	5				
23 Purchasing agents.....	116	114	2	103	2	11					
24 Salesmen and saleswomen.....	411	406	5	350	5	20					
25 Shipping clerks.....	947	617	30	745	26	164	3	7	1	1	
26 Stenographers and typists.....	1,418	61	1,357	55	1,287	6	70				
27 Weighers.....	76	70	6	59	6	28		2		1	
28 Other clerical pursuits.....	12	11	1	10	1	1					
29 Blacksmiths.....	145	145		50		95					
30 Boiler-makers.....	16	16		6		6					
31 Brick and stone masons and tile layers.....	30	30		11		19					
32 Cabinetmakers.....	12	12		2		10					
33 Carpenters.....	290	290		161		127		1		1	
34 Compositors, linotypers, and typesetters.....	41	34	7	28	7	5		1			
35 Coppersmiths.....	48	48		24		24					
36 Cranemen, derrickmen, hoistmen, etc.....	378	378		206		163		9			
37 Electricians.....	356	356		287		69					
38 Engineers (stationary).....	307	367		282		83		2			
39 Engravers.....	181	180	1	106	1	74					
40 Forgemen and hammermen.....	59	59		39		20					
41 Machinists.....	5,548	5,548		3,683		1,835		24		6	
42 Mechanics (not otherwise specified).....	820	818	2	510	1	296	1	9		3	
43 Millwrights.....	373	373		240		132		1			
44 Molders, founders, and casters.....	6,004	6,001	3	3,075	3	2,921		273		32	
45 Pattern and model makers.....	616	615	1	457	1	158					
46 Plumbers and gas and steam fitters.....	223	223		146		75		2			
47 Rollers and roll hands.....	839	839		384		407		47		1	
48 Sawyers.....	50	50		31		17		2			
49 Skilled occupations (not elsewhere classified) ¹	118	118		61		57					
50 Tinsmiths and sheet metal workers.....	100	100		64		32		4			
51 Toolmakers and die setters and sinkers.....	1,464	1,464		1,061		402				1	
52 Other skilled trades.....	24	24		17		7					
Apprentices:											
53 Machinists' apprentices.....	113	113		103		9		1			
54 Other apprentices.....	186	186		171		15					
55 Buffers and polishers.....	2,961	2,868	93	1,651	66	1,195	25	13	2	9	
56 Chauffeurs and truck and tractor drivers.....	472	472		355		84		32		1	
57 Draymen and teamsters.....	50	50		31		17		1		1	
58 Elevator tenders.....	49	48	1	17		29		2		1	
59 Enamelers, lacquerers, and japanners.....	50	32	18	15	13	16	5	1			
60 Filers.....	958	940	18	632	16	297	1	11	1		
61 Firemen.....	363	363		139		197		27			
62 Furnace men, smelter men, and pouters.....	488	488		197		217		73		1	
63 Grinders.....	627	613	14	362	11	224	3	26		1	
64 Guards, watchmen, and doorkeepers.....	484	482	2	272		202	2	7		1	
65 Heaters.....	35	35		19		10		6			
66 Janitors.....	184	179	5	67	3	81	2	31			
67 Laborers.....	14,809	14,411	398	5,354	269	7,545	112	1,410	16	93	1
68 Oilers of machinery.....	61	59	2	31	2	26		2			
69 Operatives.....	14,834	11,606	3,228	6,734	2,452	4,688	763	262	18	32	5
70 Painters, glaziers, and varnishers (factory).....	194	172	22	107	19	63	3	2			
71 Porters.....	63	63		16		18		29			
72 All other occupations.....	30	20	10	10	5	8	4	2	1		
73 Clock and watch factories.....	25,098	16,907	8,189	11,799	7,873	4,052	1,301	46	15	11	
74 Owners, operators, and proprietors.....	265	263	2	148	1	115	1				
75 Managers and officials.....	391	376	15	317	12	59	3				
76 Foremen and overseers.....	744	689	55	555	49	134	6				
77 Chemists.....	32	31	1	29	1	2					
78 Designers.....	33	29	4	16	4	13					
79 Draftsmen.....	84	84		77		7					
80 Electrical engineers.....	20	20		17		3					
81 Mechanical engineers.....	27	27		22		5					
82 Trained nurses.....	10		10		9		1				
83 Other professional pursuits.....	9	8	1	6	1	2					

¹ Includes, also, all technical engineers not elsewhere classified.² Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
METAL INDUSTRIES (EXCEPT IRON AND STEEL)—Continued											
Clock and watch factories—Continued.											
1 Accountants and auditors.....	80	69	11	61	11	8					
2 Advertising agents.....	22	20	2	20	2						
3 Agents (not elsewhere classified).....	38	34	4	29	4	4				1	
4 Bookkeepers and cashiers.....	348	75	273	66	246	9	27				
5 Clerks.....	1,410	544	866	491	800	52	64	1	2		
6 Commercial travelers.....	90	96		89		7					
7 Credit men.....	11	9	2	8	2	1					
8 Messenger, errand, and office boys and girls.....	136	126	10	120	8	5	2	1			
9 Office appliance operators.....	17				17						
10 Purchasing agents.....	25	23	2	20	2	3					
11 Salesmen and saleswomen.....	88	85	3	74	1	11	2				
12 Shipping clerks.....	173	160	23	111	20	36	3	3			
13 Stenographers and typists.....	514	9	505	9	484		21				
14 Weighers.....	11	9	2	9	2						
15 Other clerical pursuits.....	8	6	2	5	2	1					
16 Cabinetmakers.....	65	65		35		30					
17 Carpenters.....	66	66		37		29					
18 Compositors, linotypers, and typesetters.....	51	37	14	34	12	3	2				
19 Electricians.....	94	94		84		10					
20 Engineers (stationary).....	70	70		56		13		1			
21 Engravers.....	178	167	11	130	8	28	3				
22 Goldsmiths and silversmiths.....	28	28		19		8				1	
23 Jewelers and lapidaries (factory).....	127	100	27	84	20	36	7				
24 Machinists.....	849	849		657		191				1	
25 Mechanics (not otherwise specified).....	224	224		162		68		3		1	
26 Millwrights.....	43	43		30		13					
27 Molders, founders, and casters.....	61	60	1	43	1	17					
28 Pattern and model makers.....	24	24		11		13					
29 Plumbers and gas and steam fitters.....	34	34		27		7					
30 Rollers and roll hands.....	12	12		8		4					
31 Sawyers.....	24	24		20		4					
32 Skilled occupations (not elsewhere classified) 1.....	30	30		19		11					
33 Tinsmiths and sheet metal workers.....	20	20		17		3					
34 Toolmakers and die setters and sinkers.....	591	591		476		115					
35 Other skilled trades.....	15	15		7		8					
Apprentices:											
36 Jewelers', watchmakers', goldsmiths', and silversmiths' apprentices.....	130	125	5	108	2	16	2		1	1	
37 Machinists' apprentices.....	23	23		20		3					
38 Other apprentices.....	35	30	5	28	5						
39 Buffers and polishers.....	500	345	155	244	126	101	29				
40 Chauffeurs and truck and tractor drivers.....	42	42		30		10		1		1	
41 Elevator tenders.....	20	20		10		10					
42 Enamelers, lacquerers, and japanners.....	35	24	11	21	11	3					
43 Filers.....	47	42	5	35	4	7	1				
44 Firemen.....	49	49		22		26		1			
45 Grinders.....	21	21		15		6					
46 Guards, watchmen, and doorkeepers.....	138	137	1	93	1	43		1			
47 Janitors.....	64	58	6	27	6	27		4			
48 Laborers.....	1,546	1,018	528	712	483	295	45	11			
49 Operatives.....	15,036	8,492	6,544	6,099	5,464	2,372	1,068	16	12	5	
50 Painters, glaziers, and varnishers (factory).....	161	102	59	70	47	32	12				
51 All other occupations.....	51	44	7	31	6	11	2	2			
52 Copper factories.....	21,199	20,520	679	11,220	617	5,801	59	1,108	2	2,393	1
53 Owners, operators, and proprietors.....	84	84		47		37					
54 Managers and officials.....	313	316	2	278	2	38					
55 Foremen and overseers.....	1,020	1,020	3	740	2	245	1	4			22
56 Chemical engineers 2.....	51	51		43		8					
57 Chemists, assayers, and metallurgists.....	334	331	3	295	2	20	1				7
58 Civil engineers and surveyors.....	30	30		28		2					
59 Draftsmen.....	102	99	3	74	3	25					
60 Electrical engineers.....	38	38		29		9					
61 Mechanical engineers 3.....	64	64		58		6					
62 Other professional pursuits.....	13	8	5	6	4	2	1				
63 Accountants and auditors.....	129	126	3	113	3	13					
64 Agents (not elsewhere classified).....	36	35	1	34	1	1					
65 Bookkeepers and cashiers.....	182	136	46	120	41	14	5				2
66 Clerks.....	813	657	156	583	148	53	8	10			11
67 Commercial travelers.....	29	29		29							
68 Messenger, errand, and office boys and girls.....	39	39		33		3		2			1
69 Purchasing agents.....	35	34	1	28	1	6					
70 Salesmen and saleswomen.....	45	45		41		4					
71 Shipping clerks.....	97	95	2	76	2	19					
72 Stenographers and typists.....	292	42	250	40	283	1	17				1
73 Weighers.....	86	84	2	72	2	10					2
74 Other clerical pursuits.....	17	13	4	13	4						

1 Most of these were returned as metal "annealers," "hardeners," or "temperers."

2 Included in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
METAL INDUSTRIES (EXCEPT IRON AND STEEL)—Continued											
Copper factories—Continued.											
1 Blacksmiths.....	137	137		71		58					8
2 Boilermakers.....	233	233		103		31					9
3 Brick and stone masons and tile layers.....	103	103		56		37					10
4 Carpenters.....	435	435		302		107		2			24
5 Coopers.....	16	16		8		8					
6 Coppersmiths.....	521	521		249		267		5			
7 Crane-men, derrickmen, hoistmen, etc.....	310	310		220		78		5			7
8 Electricians.....	402	402		355		40					7
9 Engineers (stationary).....	268	268		216		46					6
10 Engravers.....	41	41		28		12		1			
11 Forgemen and hammermen.....	17	17		12		3		2			
12 Machinists.....	783	783		554		198		11			25
13 Mechanics (not otherwise specified).....	222	222		152		43		1			26
14 Millwrights.....	43	43		34		8		1			
Molders, founders, and casters:											
15 Iron molders, founders, and casters.....	16	16		11		1		3			1
16 All other molders, founders, and casters.....	185	185		77		71		15			22
17 Painters, glaziers, and varnishers (building).....	15	15		3		4		1			7
18 Pattern and model makers.....	25	25		20		6					
19 Plumbers and gas and steam fitters.....	251	251		196		44					11
20 Rollers and roll hands.....	251	251		140		96		12			3
21 Skilled occupations (not elsewhere classified) 1.....	71	71		39		26		3			3
22 Tinsmiths and sheet metal workers.....	77	77		41		32		4			
23 Toolmakers and die setters and sinkers.....	37	37		29		8					
24 Other skilled trades.....	26	26		18		4		1			3
25 Apprentices.....	59	59		53		1					5
26 Buffers and polishers.....	59	59		36		20		3			
27 Chauffeurs and truck and tractor drivers.....	160	160		105		22		4			19
28 Draymen and teamsters.....	48	48		40		5		1			2
29 Firemen.....	259	259		117		107		19			16
30 Furnace men, smelter men, and pourers.....	725	725		327		206		27			165
31 Grinders.....	29	28	1	20		7		1			
32 Guards, watchmen, and doorkeepers.....	188	188		108		75		3			2
33 Janitors.....	61	56	5	14	2	23	2	7	1		12
34 Laborers.....	8,013	7,950	63	2,642	53	2,860	9	808			1,680
35 Oilers of machinery.....	127	127		75		16					36
36 Operatives.....	2,950	2,824	126	1,768	112	684	13	82	1		290
37 Painters, glaziers, and varnishers (factory).....	129	128	1	72		13	1	1			42
38 All other occupations.....	55	53	2	30	2	10		7			6
39 Gold and silver factories.....	10,320	15,409	3,917	10,124	3,352	4,988	545	74	12	223	8
40 Owners, operators, and proprietors.....	250	248	2	162	2	86					
41 Managers and officials.....	455	440	15	359	15	71					
42 Foremen and overseers.....	678	626	52	491	48	135		4			
43 Chemists, assayers, and metallurgists.....	99	98	1	79	1	17		1			1
44 Designers.....	103	96	10	61	9	35		1			
45 Draftsman.....	24	24		20		4					
46 Mechanical engineers.....	30	30		27		3					
47 Other professional pursuits.....	30	23	7	17	5	6		2			
48 Accountants and auditors.....	107	94	13	85	13	0					
49 Advertising agents.....	25	24	1	21	1	3					
50 Agents (not elsewhere classified).....	25	22	3	16	3	6					
51 Bookkeepers and cashiers.....	347	106	241	97	222	9		19			
52 Clerks.....	1,370	690	671	610	620	88		50			
53 Commercial travelers.....	109	103	1	94	1	14					
54 Credit men.....	11	11		9		2					
55 Messenger, errand, and office boys and girls.....	78	73	5	63	4	6		1			
56 Office appliance operators.....	13	2	11	2	10	1		4			
57 Purchasing agents.....	39	35	4	34	2	1		2			
58 Salesmen and saleswomen.....	112	106	6	93	4	13		2			
59 Shipping clerks.....	207	196	11	167	10	28		1			
60 Stenographers and typists.....	448	6	442	6	419			23			
61 Weighers.....	13	11	2	9	2						
62 Other clerical pursuits.....	5	5		5							
63 Blacksmiths.....	14	14		7		7					
64 Carpenters.....	44	44		17		27					
65 Compositors, linotypers, and typesetters.....	15	11	4	9	4	2					
66 Electricians.....	45	45		32		7					
67 Engineers (stationary).....	63	63		45		18					
68 Engravers.....	240	245	1	172		72		1			
69 Forgemen and hammermen.....	47	47		41		6					
70 Goldsmiths and silversmiths.....	2,793	2,734	59	1,639	41	907		11			175
71 Jewelers and lapidaries (factory).....	29	25	4	12	4	13					7
72 Machinists.....	323	323		228		94		1			
73 Mechanics (not otherwise specified).....	75	75		50		24					1
74 Millwrights.....	69	69		45		24					
75 Pattern and model makers.....	24	24		13		11					
76 Plumbers and gas and steam fitters.....	32	32		25		7					
77 Skilled occupations (not elsewhere classified) 2.....	31	31		26		5					
78 Tinsmiths and sheet metal workers.....	29	29		18		11					
79 Toolmakers and die setters and sinkers.....	372	372		273		98					1
80 Other skilled trades.....	19	19		9		10					

1 Most of these were returned as metal "annealers" or "refiners."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
					5		24		45		37		15		10		1		1
			1		23		71		65		50		19		4				2
			11		11		25		27		24		12		1				3
			3		26		90		133		98		60		15		1		4
			2		2		2		2		4		3		3				5
			17		47		103		125		123		83		20		3		6
	2		9		45		119		79		46		13		1		1		7
			6		55		172		103		40		17		3				8
	1		5		8		65		88		59		40		11				9
			1		2		11		12		7		7		1				10
			18		73		4		7		5		1						11
			7		28		239		210		165		61		19		2		12
					3		76		53		31		22		3				13
							6		12		11		7		4				14
					1		7		3		4		1						15
	1		5		21		59		50		34		14		1		1		16
			1		1		6		2		1		3						17
			1		2		9		4		4		5						18
			3		36		73		74		45		15		5				19
			2		34		74		72		47		19		3				20
					4		13		21		18		11		4				21
					11		20		20		14		9		1				22
			1		2		12		11		9		2						23
			1		8		8		9		8								24
					23		7		12										25
	21		8		11		12		16		10		6						26
	1		3		26		63		28		16		5		2				27
	3		7		7		7		9		10		7		2				28
	2		3		21		61		75		69		30		3				29
					109		177		196		162		61		13		1		30
					6		9		5		3		2		2				31
					1		7		19		35		74		42		9		32
					2		4		6		10		14		18		1		33
	105		5		1,182		2,135		2,104		1,853		580		155		20		34
	1				19		37		27		25		12		1				35
	37		13		472		828		706		417		180		57		5	1	36
	2		3		24		44		31		14		9		1				37
			1		8		13		9		16		3		3				38
																			39
	441		316		1,512		2,775		3,727		3,219		2,092		164		920		39
					6		14		84		67		44		31		2		40
			1		9		61		132		110		88		20		4		41
			1		14		90		165		104		134		41		2		42
																			43
			4		8		25		20		20		8		2				44
			1		14		14		19		18		27		3		2		45
			1		3		8		4		5		1		2				46
					2		6		9		6		4		3				47
					3		8		3		2		3		1				48
					10		38		26		11		7		1		1		49
					3		7		7		3		2		1				50
					2		3		6		8		1		2				51
					20		28		17		11		8		5		1		52
	33		28		104		148		112		101		56		26		3	4	53
					4		26		28		30		15		5				54
					2		2		2		5								55
	45		3		5		1		2		4				1				56
	1				1		6				1								57
					3		13		5		7		7		1				58
					7		22		2		22		15		4		1		59
					37		41		39		25		23		10		2		60
					1		1		1		1		1		6				61
	1				1		1		6		1		1						62
																			63
					2		5		1		2		6						64
					1		2		7		14		7		11		1		65
					1		4		3		1								66
					5		10		16		9		3						67
					1		6		18		16		13		7		2		68
					13		36		64		58		43		23		2		69
					9		15		15		4		3		1				70
					89		407		637		628		445		170		27		71
					2		6		6		5		4		2				72
					26		54		81		77		50		23		3		73
					7		12		14		20		14		4		1		74
					4		11		13		23		12		4		2		75
					2		5		4		3		6		2				76
					2		13		4		9		4						77
					2		8		5		7				2				78
					4		6		8		7		2						79
					11		37		80		83		51		13		2		80

2 Most of these were returned as metal "annealers," "temperers," or "treaters."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				METAL INDUSTRIES (EXCEPT IRON AND STEEL)—Continued							
Gold and silver factories—Continued.											
1 Apprentices:											
2 Jewelers', watchmakers', goldsmiths', and silversmiths' apprentices.	107	95	12	82	11	10				3	1
3 Other apprentices	54	53	1	48	1	5					
4 Buffers and polishers	2,504	2,307	107	1,204	130	1,125	20	7	2	1	
5 Chauffeurs and truck and tractor drivers	49	49		36		11		2			
6 Elevator tenders	23	23		16		7					
7 Filers	28	23	5	14		9		1			
8 Firemen	77	77		33	4	43		1			
9 Furnace men, smelter men, and pourers	36	36		24		12					
10 Guards	112	103	9	71	0	31	3			1	
11 Guards, watchmen, and doorkeepers	98	96	2	55	1	30	1	2			
12 Heaters	74	74		56		18		1			
13 Janitors	58	55	3	31		23		1			
14 Laborers	1,199	1,098	101	540	82	511	2	8	3	30	
15 Operatives	5,902	3,877	2,025	2,615	1,651	1,237	308	24	6	1	
16 Painters, glaziers, and varnishers (factory)	35	24	9	15	7	11	2				
16 All other occupations	60	42	17	21	12	15	5	6			
17 Jewelry factories	39,468	27,998	11,462	18,248	9,724	9,470	1,676	143	53	135	9
18 Owners, operators, and proprietors	1,620	1,600	20	916	16	683	5			1	
19 Managers and officials	731	693	38	548	33	142	5	1		2	
20 Foremen and overseers	807	606	201	430	173	175	28	1			
21 Chemists	28	25	3	18	3	7					
22 Designers	386	313	73	188	62	123	11	1		1	
23 Draftsmen	13	12	1	7	1	5					
24 Other professional pursuits	13	12	1	12	1						
25 Accountants and auditors	104	91	13	73	13	18					
26 Advertising agents	25	21	4	19	4	2					
27 Agents (not elsewhere classified)	91	85	6	60	6	25					
28 Bookkeepers and cashiers	980	129	851	104	750	24	95				
29 Clerks	2,202	721	1,481	615	1,334	101	145	2	2	3	
30 Collectors	23	23		19		4					
31 Commercial travelers	372	365	7	301	7	60		3		1	
32 Credit men	48	40	8	35	7	5	1				
33 Messenger, errand, and office boys and girls	321	312	9	266	8	20	1	17			
34 Purchasing agents	54	49	5	42	5	7					
35 Salesmen and saleswomen	251	232	19	183	17	47	2	2			
36 Shipping clerks	401	300	101	246	82	37	18	16		1	1
37 Stenographers and typists	917	5	912	5	840	62			1		
38 Weighers	14	7	7	4	7	3					
39 Other clerical pursuits	14	7	7	4	7	1	1	1			
40 Carpenters	22	22		12		10					
41 Compositors, linotypers, and typesetters	23	20	3	18	2	2	1				
42 Electricians	19	19		11		8					
43 Engineers (stationary)	79	79		39		31					
44 Engravers	1,863	1,817	46	1,252	39	550	7	4		11	
45 Goldsmiths and silversmiths	784	735	49	304	12	278	4	8		85	3
46 Jewelers and lapidaries (factory)	7,111	6,541	570	3,729	443	2,793	117	14	9	5	1
47 Machinists	218	218		139		79					
48 Mechanics (not otherwise specified)	197	107	90	99		97		1			
49 Millwrights	15	15		9		6					
50 Pattern and model makers	37	35	2	27	2	8					
51 Rollers and roll hands	14	14		11		3					
52 Skilled occupations (not elsewhere classified) 1	47	46	1	29	1	17					
53 Toolmakers and die setters and sinkers	1,370	1,378	1	931	1	446				1	
54 Other skilled trades	29	20	9	16		12		1			
55 Apprentices:											
56 Jewelers', watchmakers', goldsmiths', and silversmiths' apprentices.	769	661	108	592	94	65	13	2		2	1
57 Machinists' apprentices	57	57		50		7					
58 Other apprentices	100	94	6	74	6	20					
59 Buffers and polishers	1,839	1,536	303	971	230	558	69	6	4	1	
60 Chauffeurs and truck and tractor drivers	50	50		39		7		3		1	
61 Enamelers, lacquerers, and japanners	528	235	293	158	252	77	38	2	2	1	1
62 Filers	22	18	4	12	2	6					
63 Firemen	37	37		16		20		1			
64 Guards, watchmen, and doorkeepers	123	122	1	57		62	1	3			
65 Heaters	54	54		38		15		1			
66 Janitors	83	83		45		37		1			
67 Laborers	397	328	69	184	50	135	19	8		1	
68 Operatives	13,979	7,766	6,213	5,148	5,154	2,586	1,022	18	35	14	2
69 Painters, glaziers, and varnishers (factory)	103	54	49	41	43	12	6			1	
70 Porters	51	51		8		12		28		3	
70 All other occupations	53	46	7	33	4	13	3				
71 Lead and zinc factories	18,615	17,836	779	12,436	704	4,128	67	936	8	338	
72 Owners, operators, and proprietors	63	62	1	56	1	6					
73 Managers and officials	415	409	6	378	6	31					
74 Foremen and overseers	857	850	7	721	7	125		3		1	
75 Chemical engineers 2	49	49		45		4					
76 Chemists, assayers, and metallurgists	327	322	5	302	4	20	1				
77 Civil engineers and surveyors	17	17		16						1	

1 Most of these were returned as metal "annealers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

491

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
76	12	12	0	6	1	2	40	767	27	529	15	236	3	107	1	5			1			
35	13	10	1	6	2	17	12	12	5	5	5	5	3	3					2			
29	1	82	19	185	43	457	17	17	2	12	2	4	12	12					3			
2		1		4		17	2	1	1	1	1	4	1	3					4			
1	1	1	1	0	1	2	2	8	1	1	1	1	1	3					5			
				1		9		16		25		17		9					6			
				6		3		5		5		12		4					7			
3	1	5	1	15	1	27	5	28	2	15	1	7	1	3					8			
		2		2		4		6		25		37	1	21					9			
						1		21		24		21		2					10			
		1				1		7	1	12	1	16		17					11			
63	20	79	15	140	30	192	18	241	10	193	6	123	2	61					12			
145	206	170	233	430	476	734	424	879	305	762	231	487	111	240	31	30	6	1	13			
2	2	1	1	2	3	5	2	8	1	7	1	2		7					14			
2	1	2	1	3	1	9	6	6	1	6	6	6	1	7					15			
1,575	1,593	1,624	1,743	3,851	2,636	6,117	2,501	6,475	1,489	4,550	860	2,563	265	1,064	56	140	8	7	9			
		1		21		239	1	531	6	450	7	243	6	98					18			
		2		27	5	151	15	200	11	185	6	89	1	31					19			
1	4	6	14	47	47	131	46	203	45	135	35	60	9	20	1	3			20			
		9	3	2		12		5	3	5		1								21		
		2		37	21	79	27	98	15	80	5	30	2	6						22		
				3		3	1	1		2		1								23		
				1		4	1	5		1		1								24		
		1	1	9	1	29	5	21	2	18	2	12	2	1						25		
1		3		3		9	1	5	3	1		2								26		
1		4		4	1	14	2	21	1	25	1	13		7	1					27		
4	24	8	94	30	284	41	242	25	116	9	61	6	24	5	3					28		
74	101	124	197	186	437	146	391	81	213	66	97	36	35	15	3	2	1	1	2	29		
1				11		11		4		2		2		1						30		
		4		27	1	102	2	87	2	83	2	40		17						31		
				5		11	2	17	4	6		1	1	3						32		
		46	1	14	1	6	1	9		10		8		2	1					33		
				10		15	3	10	1	10		2		2						34		
4	1	7	2	23	2	58	6	63	14	41	6	24	2	5						35		
34	14	43	21	84	19	50	13	30	14	26	1	22	6	10						36		
	63		170	2	372	1	241	1	53	1	13	1	13							37		
1		2	2	1	2			3		2		1								38		
				1			3			4		2								39		
1		1		8	1	5		3		3		5		4						40		
		1		4	2	4		3		1		1		1						41		
		1		1		7		5		4		4								42		
1		1		1		4		10		13		21		15						43		
		63	3	221	17	431	15	511	7	299	2	204	1	77	1					44		
		27	8	66	3	131	5	198	3	166	2	107		44						45		
		272	95	1,079	164	1,793	143	1,670	92	923	54	544	16	216	6	30				46		
		6		24		90		65		32		16		8						47		
		10		25		57		41		32		23		6						48		
				2		2		4		3		4		4						49		
		2		1		10		7	1	7	1	5		2						50		
				4		1		3		4		1		1						51		
		6		5		7	1	7		7		9		5						52		
		59		166		379	1	378		241		101		46						53		
1		1		2		5		6		10		2		3						54		
																					55	
306	105	144	2	104		13	1	3		1										56		
46		6		5		1															57	
77	5	8		8	1																58	
47	20	81	20	133	53	289	82	396	73	313	31	100	18	63	5	4			1	59		
2		7		10		15		9		5		1		1							60	
6	34	12	37	30	56	57	96	62	59	39	10	17	1	12						61		
1	2		1	3		3	1	5		3		4		1							62	
				2		4		6		13		10		2							63	
				3		10		14		23		42		26							64	
		1		3		16		16		11		12		2							65	
				3		5		8		18		28		20							66	
				3		5		8		51	4	25		7							67	
35	18	34	17	55	13	61	13	59	4	51	4	25		7						68		
619	1,187	619	1,044	1,265	1,420	1,609	1,126	1,562	746	1,161	504	603	140	297	35	31	7		4	69		
4		7	10	19	12	7		6	9	3		1		1						70		
		1		7		5		12		8		12		6								
		1		3		13	1	7		2		7		7								
282	47	654	83	2,360	215	4,857	237	4,663	129	3,141	47	1,413	15	431	6	30		10		71		
						6		17	1	17		14		6							72	
		1	1	5		64	3	121	1	117	1	68		30							73	
2		1		32	2	159	1	301	4	231		98		23							74	
																						75
		15		9		22		18		3		2									76	
				60	3	137	1	73		27		6		1							77	
				1		4		6		4		1										

1 Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
METAL INDUSTRIES (EXCEPT IRON AND STEEL)—Continued											
Lead and zinc factories—Continued.											
1 Draftsmen.....	44	44		39		5					
2 Electrical engineers.....	22	22		22							
3 Mechanical engineers.....	43	43		38		5					
4 Other professional pursuits.....	16	12	4	10	4	2					
5 Accountants and auditors.....	116	110	6	102	5	8	1				
6 Agents (not elsewhere classified).....	36	36		34		2					
7 Bookkeepers and cashiers.....	197	127	70	122	65	5	5				
8 Clerks.....	706	533	173	500	167	30	6	3			
9 Commercial travelers.....	43	43		42		1					
10 Credit men.....	12	12		12							
11 Messenger, errand, and office boys and girls.....	66	65	1	63	1	1		1			
12 Office appliance operators.....	13	4	9	4	8		1				
13 Purchasing agents.....	40	39	1	38	1	1					
14 Salesmen and saleswomen.....	84	84		81		3					
15 Shipping clerks.....	137	133	4	104	4	27		2			
16 Stenographers and typists.....	295	10	279	15	263	1	16				
17 Weighers.....	45	45		45							
18 Other clerical pursuits.....	15	15		14		1					
19 Blacksmiths.....	97	97		65		32					
20 Boilermakers.....	21	21		17		4					
21 Brick and stone masons and tile layers.....	72	72		56		15		1			
22 Carpenters.....	184	184		152		32					
23 Compositors, linotypers, and typesetters.....	45	41	4	35	2	6	2				
24 Coopers.....	12	12		11		1					
25 Cranemen, derrickmen, hoistmen, etc.....	108	108		81		24		2		1	
26 Electricians.....	202	202		183		18		1			
27 Engineers (stationary).....	173	173		138		30		4		1	
28 Engravers.....	13	13		8		5					
29 Machinists.....	501	501		383		116		2			
30 Mechanics (not otherwise specified).....	252	252		203		47		2			
31 Millwrights.....	54	54		38		16					
32 Molders, founders, and casters.....	222	221	1	160	1	47		14			
33 Plumbers and gas and steam fitters.....	99	99		84		15					
34 Rollers and roll hands.....	194	194		148		45				1	
35 Skilled occupations (not elsewhere classified) ²	39	39		27		5		4		3	
36 Tinsmiths and sheet metal workers.....	24	24		20		4					
37 Toolmakers and die setters and sinkers.....	20	20		19		10					
38 Other skilled trades.....	27	27		23		4					
39 Apprentices.....	29	28	1	28	1						
40 Chauffeurs and truck and tractor drivers.....	167	167		147		13		6		1	
41 Draymen and teamsters.....	23	23		21		2					
42 Firemen.....	381	381		202		149		26		4	
43 Furnace men, smelter men, and pourers.....	1,431	1,431		771		456		119		85	
44 Grinders.....	29	29		12		16		1			
45 Guards, watchmen, and doorkeepers.....	163	162	1	113		48		1		1	
46 Janitors.....	67	64	3	30	2	23	1	11			
47 Laborers.....	8,116	8,093	23	5,010	20	2,198		660	3	225	
48 Officers of machinery.....	42	42		29		10		1		2	
49 Operatives.....	2,014	1,840	174	1,339	140	425	30	64	4	12	
50 Painters, glaziers, and varnishers (factory).....	44	44		31		13					
51 All other occupations.....	83	77	6	49	2	19	4	9			
52 Tinware, enamelware, etc., factories.....	87,415	83,009	14,406	63,091	12,600	17,500	1,530	1,894	194	524	82
53 Owners, operators, and proprietors.....	2,663	2,640	23	2,005	21	627	2	4		4	
54 Managers and officials.....	2,519	2,482	37	2,172	35	310	2				
55 Foremen and overseers.....	3,250	3,118	132	2,540	116	657	14	16	2	5	
56 Chemical engineers ¹	22	22		21		1					
57 Chemists, assayers, and metallurgists.....	172	171	1	156	1	15					
58 Civil engineers and surveyors.....	54	54		50		4					
59 Designers.....	35	30	5	23	3	7	1		1		
60 Draftsmen.....	466	465	1	379	1	86					
61 Electrical engineers.....	47	47		43		4					
62 Lawyers.....	4	4		3		1					
63 Mechanical engineers ¹	253	253		214		39					
64 Photographers.....	13	13		11		2					
65 Trained nurses.....	19	1	18	1	18		2				
66 Accountants and auditors.....	375	346	29	306	28	40	1				
67 Advertising agents.....	21	18	3	16	3	2					
68 Agents (not elsewhere classified).....	132	128	4	123	4	5					
69 Bookkeepers and cashiers.....	1,690	741	840	666	800	75	47		2		
70 Canvassers.....	30	26	4	25	4	1					
71 Clerks.....	3,984	2,912	1,072	2,669	1,016	235	54	7	1	1	1
72 Commercial travelers.....	471	468	3	436	3	32					
73 Credit men.....	53	51	2	47	2	4					
74 Messenger, errand, and office boys and girls.....	135	126	9	120	8	6			1		
75 Office appliance operators.....	116	9	106	8	101	1	5				
76 Purchasing agents.....	162	147	5	139	4	8		1			
77 Salesmen and saleswomen.....	532	522	10	476	9	45		1			
78 Shipping clerks.....	1,038	1,016	22	881	19	126		3	7		
79 Stenographers and typists.....	1,040	72	1,677	72	1,514	60		1		2	2
80 Weighers.....	19	17	2	17	1	1					
81 Other clerical pursuits.....	16	13	3	12	3	1					

¹ Includes, also, all technical engineers not elsewhere classified.² Most of these were returned as "lead testers" or "zinc testers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
		2		13		16		9		2		1		1					1		
				3		5		7		9		1							2		
				3		9		11		16		4							3		
		2		2		3		3	1	3	1	1		1					4		
		1		7		36	2	30	3	21	1	7		1		1			5		
		1		14		11		11		6		3		1					6		
		1	5	23	15	48	27	31	15	15	7	5		4	1				7		
23	15	46	16	110	47	157	57	86	22	64	13	30	2	16	1	1			8		
				4		10		14		10		5							9		
				2		2		4		5		2							10		
				2		2		1		1		2							11		
30	1	16		4		10		17		5	1	5		1					12		
1		1	3	1		18		36		17		7		2					13		
				2		5		28		23		11		4					14		
4		2		20	3	38	1	2	34	6	9	7		4		1			15		
2	15	2	35	7	89	3	04	2		13		7	3	4		1			16		
				4		8		2		2									17		
				7		5		2		1									18		
				2		10		24		30		24		7					19		
				2		3		7		7		2							20		
				11		20		20		15		5		1					21		
				15		31		41		49		35		11		2			22		
				10		13		7	2	4	2	3							23		
				2		3		3		2		1		1					24		
1		3		13		38		38		13		1		3					25		
		4		23		70		65		33		4		3					26		
		4		10		33		44		54		24		8					27		
		2		2		8		1		1		1		1		1			28		
		7		46		157		132		100		45		11		1	2		29		
		6		34		69		72		51		15		5					30		
				11		15		16		12		9		9					31		
				3		57	1	63		26		27		13		1			32		
		3		10		27		22		28		9		2					33		
		5		31		62		50		27		11		2					34		
		2		9		16		6		5		6		1					35		
		1		1		3		10		6		3		1					36		
		1		1		3		11		7		3		1					37		
		1		1		7		9		5		2		2					38		
				4		1													39		
18		4	1	5		69		43		17		10		1					40		
1		6		20		9		7		4		5		5					41		
1		1		3		72		130		102		48		8					42		
		1		20		72		433		265		59		10					43		
11		34		163		9		0		8		44		1			1		44		
				3		6		19	1	40		52		44		1			45		
1				4	1	4		7	2	3		23		13					46		
130	2	368	2	1,261	7	2,304	5	2,032	5	1,303	2	540		143		8		4	47		
		3		13		13		5		11		4		2					48		
48	14	90	20	284	43	472	42	464	34	239	10	153	8	40	3	2		1	49		
				11		12		10		8		2		1					50		
		1		9		12		19		16		16		3		1			51		
2,532	1,741	4,722	2,603	12,971	4,204	21,568	3,215	19,127	1,690	12,845	676	6,635	206	2,275	59	299	3	35	9	52	
		2		34	1	296	4	314	9	733	8	497	1	188		24		2	53		
		4		60	6	531	5	854	12	659	8	287	5	70	1	16		1	54		
2	1	24	7	162	25	824	37	1,040	36	703	18	295	6	68	2	4		1	55		
				3		12		6		17		4								56	
				41		74		23		10		5								57	
				20		14		14		5		1				1				58	
			1	4		11	2	3		6	1	5								59	
		28		97		133	1	81		49		20		0		1				60	
				2		16		10		2		7		1						61	
				1		1		1		2										62	
				15		103		80		36		14		3		1				63	
		5		4		4		4												64	
							7	1	6		3		1		1					65	
		2	1	42	5	131	6	107	11	39	6	17		8						66	
				4	2	6		6		1	1	2								67	
				7		33	3	35		30		17		5						68	
8	22	25	95	190	240	235	254	125	154	82	60	48	18	24	5	4				69	
1		1	1	2		4	1	9	1	4	1	3		1		1				70	
111	78	260	129	744	365	885	303	452	162	269	36	136	9	47	2	7		1		71	
		6		36		153		141	1	85	1	30		15		1				72	
				1		14		16		14		5		1						73	
76	4	31	3	10	2	2		2		1		1		2		1				74	
		1	20	6	44	1	34	1	7	1		1								75	
				19		53	2	49	1	22	1	3		1		1				76	
1	1	8		54	1	179	2	159	2	75	2	31	2	13		1				77	
29		73	5	222	7	273	6	192	1	144	3	67		15				1		78	
4	71	14	278	28	656	18	420	7	107	1	40		4							79	
		1		4	1	5		2		8		1		1							80
				1		7		1	2	1		2		1		1					81

^a Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
METAL INDUSTRIES (EXCEPT IRON AND STEEL)—Continued											
Tinware, enamelware, etc., factories—Con.											
1 Blacksmiths.....	147	147		82		65					
2 Boilermakers.....	53	53		46		7					
3 Brick and stone masons and tile layers.....	39	39		23		15		1			
4 Cabinetmakers.....	20	20		15		5					
5 Carpenters.....	270	270		205		63		1		1	
6 Compositors, linotypers, and typesetters.....	92	75	17	61	10	12	1	2			
7 Coopers.....	12	12		6		5		1			
8 Coppersmiths.....	75	75		43		32					
9 Cranemen, derrickmen, hoistmen, etc.....	103	103		86		16				1	
10 Electricians.....	349	349		300		49					
11 Engineers (stationary).....	386	386		300		82		3		1	
12 Engravers.....	63	61	2	48	2	13					
13 Forgers and hammermen.....	43	43		35		7				1	
14 Machinists.....	4,341	4,341		3,225		1,094		11		11	
15 Mechanics (not otherwise specified).....	1,846	1,845	1	1,447	1	384		8		0	
16 Millwrights.....	336	336		273		60		2		1	
17 Molders, founders, and casters.....	38	38		28		9				1	
18 Iron molders, founders, and casters.....	271	271		130		95		44		2	
19 All other molders, founders, and casters.....	20	20		15		5					
20 Painters, glaziers, and varnishers (building).....	182	182		136		45		1			
21 Pattern and model makers.....	331	331		282		30		4			
22 Plumbers and gas and steam fitters.....	277	277		205		60		12		0	
23 Rollers and roll hands.....	33	33		24		9					
24 Sawyers.....	43	43		31		12					
25 Skilled occupations (not elsewhere classified) ¹	17,360	17,358	2	13,431	2	3,708		132		87	
26 Tinsmiths and sheet metal workers.....	1,296	1,296		890		404		2			
27 Toolmakers and die setters and sinkers.....	11	10	1	6	1	3		1			
28 Other skilled trades.....											
Apprentices:											
28 Machinists' apprentices.....	78	78		72		6					
29 Tinsmiths' and coppersmiths' apprentices.....	322	322		302		15		1		4	
30 Other apprentices.....	219	214	5	205	4	7	1			2	
31 Buffers and polishers.....	568	593	35	396	27	125	8	1		1	
32 Chauffeurs and truck and tractor drivers.....	848	848		711		81		40		7	
33 Draymen and teamsters.....	50	50		36		11		3			
34 Elevator tenders.....	90	89	1	53		35		1	1		
35 Enamellers, lacquerers, and japanners.....	1,429	1,060	369	816	322	209	45	30	2	5	
36 Filers.....	82	80	2	55	2	25					
37 Firemen.....	265	265		170		71		22		2	
38 Furnace men, smelter men, and pourers.....	482	482		360		104		18			
39 Grinders.....	120	120		79		25		15		1	
40 Guards, watchmen, and doorkeepers.....	436	434	2	298	2	130		6			
41 Heaters.....	183	183		97		84		2			
42 Housekeepers and stewards ²	38	2	36	2	27	9					
43 Janitors.....	217	208	9	96	5	87	2	22	2	3	
44 Laborers.....	20,181	18,313	1,868	12,235	1,553	4,761	252	1,073	43	244	20
45 Others of machinery.....	77	75	2	61	2	14					
46 Operatives.....	23,230	15,250	8,040	11,708	6,939	3,076	1,007	345	135	121	59
47 Painters, glaziers, and varnishers (factory).....	482	393	89	303	79	77	8	10	2	3	
48 Porters.....	84	84		23		24		36		1	
49 All other occupations.....	18	10	8	9	4	1	3		1		
50 Other metal factories.....	41,903	34,140	7,783	23,543	6,818	8,908	858	1,679	76	110	11
51 Owners, operators, and proprietors.....	797	778	19	509	12	268	7	1			
52 Managers and officials.....	1,132	1,097	35	947	28	149	6	1			1
53 Foremen and overseers.....	1,559	1,442	117	1,120	102	310	14	4	1	2	
54 Chemical engineers ³	53	53		47		5				1	
55 Chemists, assayers, and metallurgists.....	298	296	2	204	2	30		2			
56 Civil engineers and surveyors.....	51	51		50		1					
57 Designers.....	123	104	19	65	12	39	3		2		2
58 Draftsmen.....	225	220	5	191	5	29					
59 Electrical engineers.....	100	99	1	84	1	15					
60 Mechanical engineers ⁴	162	162		135		27					
61 Trained nurses.....	10	1	9	8		1	1				
62 Other professional pursuits.....	12	9	3	9	2	1	1				
63 Accountants and auditors.....	225	212	13	188	13	23		1			
64 Advertising agents.....	34	30	4	29	4	1					
65 Agents (not elsewhere classified).....	51	47	4	40	3	7	1				
66 Bookkeepers and cashiers.....	632	250	382	229	338	20	44			1	
67 Canvassers.....	10	9	1	8	1	1					
68 Clerks.....	2,229	1,397	862	1,204	805	158	57	4		1	
69 Collectors.....	15	14	1	9	1	5					
70 Commercial travelers.....	215	211	4	187	4	23				1	
71 Credit men.....	28	25	3	24	3	1					
72 Messenger, errand, and office boys and girls.....	107	99	8	93	7	6	1				
73 Office appliance operators.....	39	2	37	2	35	2					
74 Purchasing agents.....	78	73	5	66	5	7					
75 Sales agents.....	6	6		6							
76 Salesmen and saleswomen.....	262	252	10	214	8	37	2	1			
77 Shipping clerks.....	552	520	32	430	27	76	4	11		3	
78 Stenographers and typists.....	1,156	626	1,100	52	1,044	4	55		1		
79 Weighers.....	33	26	7	22	7	2		2			

¹ Most of these were returned as metal "hardeners," "inspectors," or "testers."² Includes hostesses and matrons.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

495

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
			3		4		18		32		47		30		9		4			1
			1		2		13		21		10		4		2					2
			2		3		9		10		13		1		1					3
			3		1		20		48		4		3		3					4
	1		7		22		28		11		74		50		18		2			5
	1	2	3		2		4		4		3		2		1					6
			7		2		15		19		20		6		1					7
			3		4		45		24		10		12		7					8
			9		23		135		87		53		12		1					9
			2		32		85		101		88		59		20		8			10
			3		19		19		11		5		4		1					11
			1		10		10		10		5		3		1					12
		130	487		487		1,270		1,270		790		290		74		2			13
		49	260		260		604		467		283		137		34		5			14
		2	17		17		72		93		108		83		10				1	15
			4		4		10		8		12		3				1			16
			5		26		78		84		60		17		2					17
			2		8		3		3		4		4							18
			7		27		43		43		31		25		6					19
			7		38		84		100		64		32		6					20
			23		56		92		80		10		7		7					21
			1		6		8		7		6		3		2					22
			2		7		12		10		8		3		1					23
		637	487		487		4,547		4,399		2,920		1,612		599		104		7	24
		15	17		135		419		432		202		69		22		2			25
			2		2		2		1		3		1		1					26
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³ Included, in other occupation tables, in the group "Mining engineers."

⁴ Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
METAL INDUSTRIES (EXCEPT IRON AND STEEL)—Continued											
Other metal factories—Continued.											
1 Blacksmiths.....	76	76		39		37					
2 Brick and stone masons and tile layers.....	30	30		20		10					
3 Cabinetmakers.....	10	10		1		9					
4 Carpenters.....	178	178		136		41		1			
5 Compositors, linotypers, and typesetters.....	54	48	8	42	7	4	1				
6 Coppersmiths.....	10	10		3		7					
7 Crancemen, derrickmen, hoistmen, etc.....	140	140		116		21		3			
8 Electricians.....	578	577	1	463	1	111		2		1	
9 Engineers (stationary).....	230	230		184		43		2		1	
10 Engravers.....	59	58	1	42	1	16					
11 Forgemen and hammermen.....	41	41		34		7					
12 Machinists.....	1,471	1,471		1,062		401		7		1	
13 Mechanics (not otherwise specified).....	440	440		282		152		4		2	
14 Millwrights.....	224	224		183		41					
15 Molders, founders, and casters:											
Iron molders, founders, and casters.....	23	23		7				2			
All other molders, founders, and casters.....	708	707	1	352	1	14		40		3	
17 Pattern and model makers.....	144	144		101		312					
18 Plumbers and gas and steam fitters.....	148	148		124		43					
19 Rollers and roll hands.....	276	276		184		23				1	
20 Sawyers.....	27	27		22		39		3			
21 Skilled occupations (not elsewhere classified) 1.....	46	45	1	27	1	3		1			
22 Tinsmiths and sheet metal workers.....	203	203		158		18					
23 Toolmakers and die setters and sinkers.....	457	457		327		44		1			
24 Other skilled trades.....	22	20	2	18	1	130	1				
25 Apprentices:											
Machinists' apprentices.....	27	27		26		1					
Other apprentices.....	102	101	1	92	1	7		2			
27 Buffers and polishers.....	2,182	2,130	52	1,481	42	635	9	10	1	4	
28 Chauffeurs and truck and tractor drivers.....	249	249		193		38		18			
29 Elevator tenders.....	30	30		16		13		1			
30 Enamelers, lacquerers, and japanners.....	74	47	27	33	25	14	2				
31 Filers.....	91	83	8	62	8	31					
32 Firemen.....	185	185		97		72		16			
33 Furnace men, smelter men, and pourers.....	204	204		129		61		20		4	
34 Grinders.....	103	101	2	69	2	25		7		4	
35 Guards, watchmen, and doorkeepers.....	222	222		154		65		3			
36 Heaters.....	33	33		29		4					
37 Janitors.....	109	97	12	37	0	33	4	27	2		
38 Laborers.....	8,137	7,702	435	4,066	372	2,422	50	1,169	12	45	1
39 Oilers of machinery.....	38	37	1	24	1	12		1			
40 Operatives.....	13,847	9,394	4,453	6,621	3,812	2,558	583	177	52	38	6
41 Painters, glaziers, and varnishers (factory).....	302	299	3	209	51	83	7	6	4	1	1
42 Porters.....	42	42		8		11		23			
43 Puddlers.....	32	32		20		3		3			
44 All other occupations.....	45	33	12	20	9	4	3	3			
LEATHER INDUSTRIES											
45 Harness and saddle factories.....	9,103	8,657	446	6,470	407	1,679	26	138	12	70	1
46 Owners, operators, and proprietors.....	475	470	5	343	4	124	1	1		2	
47 Managers and officials.....	133	132	1	111	1	20				1	
48 Foremen and overseers.....	115	110	5	94	5	16					
49 Professional pursuits.....	5	5		5							
50 Bookkeepers and cashiers.....	73	34	39	29	39	4				1	
51 Clerks.....	90	65	22	62	10	5	3	1			
52 Commercial travelers.....	48	48		44		4					
53 Salesmen and saleswomen.....	38	37	1	35	1	2					
54 Shipping clerks.....	72	71	1	69	1	5					
55 Stenographers and typists.....	68	4	64	3	62		2			1	
56 Other clerical pursuits.....	22	22		21		1					
57 Engineers (stationary).....	15	15		11		4					
58 Machinists.....	61	61		55		5		1			
59 Mechanics (not otherwise specified).....	44	44		30		5					
60 Other skilled trades.....	68	68		54		12				2	
61 Guards, watchmen, and doorkeepers.....	28	28		20		8					
62 Laborers.....	501	469	32	353	21	53	2	52	9	11	
63 Operatives.....	7,164	6,890	274	5,068	252	1,794	18	67	3	51	1
64 Painters, glaziers, and varnishers (factory).....	27	27		25		2					
65 All other occupations.....	56	54	2	32	2	5		16		1	
66 Leather belt, leather goods, etc., factories.....	26,634	19,012	7,622	10,154	5,890	8,456	1,606	366	135	36	21
67 Owners, operators, and proprietors.....	1,139	1,126	13	521	6	602	7	1		2	
68 Managers and officials.....	789	760	29	573	23	187	6				
69 Foremen and overseers.....	789	645	144	417	115	225	27	3	2		
70 Chemists.....	54	51	3	36	3	14		1			
71 Designers.....	101	82	19	29	16	53		3			
72 Draftsmen.....	19	18	1	16	1	2					
73 Mechanical engineers.....	14	14		11		3					
74 Other professional pursuits.....	11	11		9		1		1			

1 Most of these were returned as metal "annealers," "testers," or "treaters."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
LEATHER INDUSTRIES—Continued											
Leather belt, leather goods, etc., factories—Continued.											
1 Accountants and auditors.....	120	110	10	96	9	14	1				
2 Agents (not elsewhere classified).....	37	37		29		8					
3 Bookkeepers and cashiers.....	693	172	521	163	458	10	62		1		
4 Clerks.....	1,079	633	440	537	386	93	59		3		
5 Commercial travelers.....	400	399	1	355	1	43				1	
6 Credit men.....	15	14	1	14	1						
7 Messenger, errand, and office boys and girls.....	117	111	6	98	4	10	2		3		
8 Office appliance operators.....	23	4	19	4	15	4					
9 Purchasing agents.....	36	31	5	27	5	4					
10 Salesmen and saleswomen.....	351	337	14	294	12	41	1		1	2	
11 Shipping clerks.....	546	526	20	396	15	107	5		23		
12 Stenographers and typists.....	653	22	631	21	573	1	56		1		1
13 Other clerical pursuits.....	21	19	2	14	2	5					
14 Carpenters.....	27	27		18		9					
15 Compositors, linotypers, and typesetters.....	17	16	1	13	1	3					
16 Electricians.....	15	15		12		3					
17 Engineers (stationary).....	76	76		59		17					
18 Engravers.....	17	16	1	15	1	1					
19 Machinists.....	204	204		122		76			6		
20 Mechanics (not otherwise specified).....	145	145		71		71			3		
21 Millwrights.....	41	41		20		12					
22 Pattern and model makers.....	19	19		10		8				1	
23 Plumbers and gas and steam fitters.....	13	13		11		2					
24 Toolmakers and die setters and sinkers.....	22	22		11		10			1		
25 Other skilled trades.....	21	20	1	9	1	9			2		
26 Apprentices.....	62	53	9	44	8	9					1
27 Chauffeurs and truck and tractor drivers.....	107	107		79		16			12		
28 Dyers.....	36	35	1	22		10	1		3		
29 Firemen.....	46	46		19		22			5		
30 Guards, watchmen, and doorkeepers.....	80	80		53		24			3		
31 Janitors.....	20	20		7		7			6		
32 Laborers.....	1,930	1,701	229	781	187	741	26		170	11	0
33 Operatives.....	10,533	11,080	5,453	5,033	3,978	5,930	1,344		96	117	21
34 Painters, glaziers, and varnishers (factory).....	121	81	40	65	38	16	2				14
35 Porters.....	36	36		3		12			21		
36 All other occupations.....	39	37	2	18	1	16			3	1	
37 Shoe factories.....	271,451	172,054	99,397	124,705	87,051	45,155	12,093		1,938	221	256
38 Owners, operators, and proprietors.....	2,242	2,210	32	1,209	23	939	9		1		1
39 Managers and officials.....	2,707	2,636	71	2,288	67	345	4		2		
40 Foremen and overseers.....	7,849	6,389	1,460	5,148	1,311	1,236	149		4		1
41 Chemists.....	58	57	1	49	1	8					
42 Designers.....	473	428	45	283	42	143	3		2		
43 Draftsmen.....	28	28		23		5					
44 Electrical engineers.....	17	17		15		2					
45 Lawyers.....	13	13		12		1					
46 Mechanical engineers.....	40	40		35		5					
47 Trained nurses.....	54		54		49	5					
48 Other professional pursuits.....	12	9	3	8	3	1					
49 Accountants and auditors.....	429	349	80	323	75	26	5				
50 Advertising agents.....	79	76	3	72	3	4					
51 Agents (not elsewhere classified).....	100	159	1	136	1	20			3		
52 Bookkeepers and cashiers.....	3,444	583	2,861	540	2,653	41	206		1	2	1
53 Canvassers.....	16	14	2	11	2	3					
54 Clerks.....	8,340	3,580	4,760	3,281	4,552	279	204		19	3	1
55 Collectors.....	11	9	2	9		2					1
56 Commercial travelers.....	1,775	1,768	7	1,641	6	121	1		5		
57 Credit men.....	165	148	17	136	16	12	1				1
58 Messenger, errand, and office boys and girls.....	482	392	90	347	88	25	1		20	1	
59 Office appliance operators.....	175	7	168	7	162	6					
60 Purchasing agents.....	225	218	8	200	8	18					
61 Salesmen and saleswomen.....	1,178	1,132	46	954	38	169	7		7	1	2
62 Shipping clerks.....	2,089	2,027	62	1,768	58	227	4		31		1
63 Stenographers and typists.....	3,095	59	3,038	53	2,894	6	139		2		1
64 Other clerical pursuits.....	15	13	2	10	2	3					
65 Blacksmiths.....	22	22		14		8					
66 Carpenters.....	199	199		147		52					
67 Compositors, linotypers, and typesetters.....	163	116	47	107	43	9			4		
68 Electricians.....	291	231	60	212		19					
69 Engineers (stationary).....	421	421		312		106			3		
70 Machinists.....	1,971	1,971		1,581		384			5		1
71 Mechanics (not otherwise specified).....	475	475		363		100			12		
72 Millwrights.....	99	99		85		14					
73 Painters, glaziers, and varnishers (building).....	12	12		10		2					
74 Pattern and model makers.....	401	489	2	451	2	37			1		
75 Plumbers and gas and steam fitters.....	83	83		72		10			1		
76 Sawyers.....	18	18		17		1					
77 Tinsmiths and sheet metal workers.....	30	30		22		8					
78 Toolmakers and die setters and sinkers.....	90	90		64		26					
79 Other skilled trades.....	23	23		17		6					

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
LEATHER INDUSTRIES—Continued											
Shoe factories—Continued.											
Apprentices:											
1 Machinists' apprentices.....	27	27		25		2					
2 Other apprentices.....	258	227	31	209	27	15	2	3			2
3 Charwomen and cleaners.....	40	14	26	11	16	3	6		4		
4 Chauffeurs and truck and tractor drivers.....	403	403		322		54		27			
5 Draymen and teamsters.....	41	41		28		12		1			
6 Dyers.....	114	79	35	60	27	16	5	13	3		
7 Elevator tenders.....	329	325	3	240	2	71		15	1		
8 Firemen.....	476	476		318		142		15		1	
9 Guards, watchmen, and doorkeepers.....	705	703	2	507	1	187	1	9			
10 Janitors.....	492	480	12	290	7	162	2	78	8	1	4
11 Laborers.....	18,389	13,647	4,742	10,549	4,394	2,468	312	591	32	49	4
12 Operatives.....	209,928	128,377	81,551	89,980	70,332	37,644	10,098	678	167	195	24
13 Painters, glaziers, and varnishers (factory).....	244	117	127	94	109	23	17		1		
14 Porters.....	475	475		43		41		391			
15 All other occupations.....	30	22	8	18	5	4	2		1		
16 Tanneries.....	58,420	52,512	5,908	30,100	4,522	19,375	1,227	2,630	135	401	24
17 Owners, operators, and proprietors.....	643	641	2	430	2	200		1		1	
18 Managers and officials.....	1,055	1,045	10	883	8	181	2				
19 Foremen and overseers.....	2,004	1,938	66	1,381	50	542	7	14	3	1	
20 Chemical engineers ¹	12	12		11		1					
21 Chemists.....	250	241	9	189	9	51				1	
22 Electrical engineers.....	13	13		11		2					
23 Mechanical engineers.....	30	30		26		4					
24 Other professional pursuits.....	20	23	6	18	4	5	2				
25 Accountants and auditors.....	165	150	15	132	13	18	2				
26 Agents (not elsewhere classified).....	46	45	1	38	1	7					
27 Bookkeepers and cashiers.....	813	345	468	316	413	29	50				
28 Clerks.....	1,259	818	441	710	411	103	29	6	1		
29 Commercial travelers.....	185	185		158		27					
30 Credit men.....	19	18	1	15	1	3					
31 Messenger, errand, and office boys and girls.....	65	61	4	49	4	8		4			
32 Office appliance operators.....	30	2	28	2	27		1				
33 Purchasing agents.....	83	81	2	72	2	9					
34 Salesmen and saleswomen.....	188	186	3	151	3	32		1		1	
35 Shipping clerks.....	797	767	30	613	25	135	5	18		1	
36 Stenographers and typists.....	655	41	614	35	573	5	41			1	
37 Weighers.....	27	27		22		3		2			
38 Other clerical pursuits.....	18	18		16		2					
39 Blacksmiths.....	40	40		21		18		1			
40 Carpenters.....	267	267		191		76					
41 Compositors, linotypers, and typesetters.....	16	14	2	10	2	4					
42 Cranemen, derrickmen, hoistmen, etc.....	33	33		24		8		1			
43 Electricians.....	118	118		106		12				1	
44 Engineers (stationary).....	376	370	6	274		99		2			
45 Machinists.....	573	573		341		216		15		1	
46 Mechanics (not otherwise specified).....	191	191		137		49		5			
47 Millwrights.....	198	108	90	106		91		1			
48 Plumbers and gas and steam fitters.....	98	98		74		24					
49 Other skilled trades.....	43	43		22		17		4			
50 Apprentices.....	47	47		41		6					
51 Chauffeurs and truck and tractor drivers.....	305	305		235		57		12		1	
52 Draymen and teamsters.....	98	98		55		34		9			
53 Dyers.....	314	302	12	100	3	132	9	10			
54 Elevator tenders.....	71	69	2	36	2	32		1			
55 Firemen.....	596	596		317		235		43			
56 Guards, watchmen, and doorkeepers.....	408	406	2	262	1	148	1	6		1	
57 Janitors.....	80	74	6	28	3	30	3	18			
58 Laborers.....	16,809	10,206	6,613	8,784	355	5,516	101	1,699	50	297	7
59 Oilers of machinery.....	41	41		24		16					
60 Operatives.....	23,993	25,395	3,598	13,452	2,652	11,122	952	733	77	88	17
61 Painters, glaziers, and varnishers (factory).....	271	205	66	120	43	78	19	6	4	1	
62 Porters.....	39	39		9		10		18		2	
63 All other occupations.....	9	2	7	2	4		3				
64 Trunk, suitcase, and bag factories.....	8,461	7,100	1,361	4,849	1,150	1,970	168	201	29	80	14
65 Owners, operators, and proprietors.....	269	266	3	123	2	141				2	1
66 Managers and officials.....	234	228	6	185	5	41	1			2	
67 Foremen and overseers.....	228	215	13	168	13	46		2			
68 Designers.....	10	10		6		4					
69 Other professional pursuits.....	15	12	3	11	2	1	1				
70 Accountants and auditors.....	26	26		23		3					
71 Agents (not elsewhere classified).....	14	14		13		1					
72 Bookkeepers and cashiers.....	151	55	96	54	89	17	7				
73 Clerks.....	204	168	96	152	91	12	5	3		1	
74 Commercial travelers.....	100	100		80		17		1		2	
75 Messenger, errand, and office boys and girls.....	21	20	1	19	1	1					
76 Salesmen and saleswomen.....	114	103	11	79	9	23	1			1	1
77 Shipping clerks.....	141	139	2	112	2	19		6		2	
78 Stenographers and typists.....	163	4	159	4	149		10				
79 Other clerical pursuits.....	32	27	5	23	5	4					

¹ Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

	INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
					Male	Female	Male	Female	Male	Female	Male	Female
LEATHER INDUSTRIES—Continued												
Trunk, suitcase, and bag factories—Contd.												
1	Cabinetmakers.....	23	23		15		7		1			
2	Carpenters.....	69	69		37		28				4	
3	Compositors, linotypers, and typesetters.....	12	12		6		6					
4	Engineers (stationary).....	19	19		12		7					
5	Mechanists.....	82	82		67		14		1			
6	Mechanics (not otherwise specified).....	84	84		46		36		1		1	
7	Millwrights.....	14	14		10		4					
8	Painters, glaziers, and varnishers (building).....	28	28		21		6		1			
9	Sawyers.....	58	58		50		6		2			
10	Tinsmiths and sheet metal workers.....	16	16		15		1					
11	Toolmakers and die setters and sinkers.....	15	15		8		7					
12	Other skilled trades.....	34	34		21		11		2			
13	Apprentices.....	37	33	4	28	4	3				2	
14	Chauffeurs and truck and tractor drivers.....	82	82		61		5		13		3	
15	Firemen.....	24	24		13		4		7			
16	Guards, watchmen, and doorkeepers.....	30	30		27		3					
17	Laborers.....	972	890	82	500	66	100	9	89	2	21	5
18	Operatives.....	4,900	4,026	874	2,657	709	1,293	133	41	25	35	7
19	Painters, glaziers, and varnishers (factory).....	114	111	3	90	1	15	1	2	1	4	
20	Porters.....	26	26		3		2		21		4	
21	All other occupations.....	40	37	3	20	2	9		8	1		
LUMBER AND FURNITURE INDUSTRIES												
22	Furniture factories.....	268,098	246,610	21,488	188,495	18,544	69,355	2,262	7,324	610	1,436	72
23	Owners, operators, and proprietors.....	4,807	4,759	48	3,017	35	1,714	11	22	2	6	
24	Managers and officials.....	5,353	5,238	115	4,557	103	676	12	4		1	
25	Foremen and overseers.....	6,333	6,086	247	4,933	216	1,130	20	21	2	2	
26	Chemists.....	32	30	2	25	2	5					
27	Civil engineers and surveyors.....	16	16		10		6					
28	Designers.....	711	646	65	465	58	180	7			1	
29	Draftsmen.....	724	718	6	555	4	163	2				
30	Electrical engineers.....	27	27		23		4					
31	Mechanical engineers.....	145	145		121		24					
32	Photographers.....	17	14	3	12	2	2	1				
33	Trained nurses.....	10	1	9	9	1	1					
34	Other professional pursuits.....	13	11	2	10	2	1					
35	Accountants and auditors.....	751	701	50	625	49	76	1				
36	Advertising agents.....	157	140	17	135	15	5	2				
37	Agents (not elsewhere classified).....	448	438	10	363	8	66	1	2	1	2	
38	Bookkeepers and cashiers.....	3,715	1,408	2,307	1,295	2,106	111	198		2	2	1
39	Canvassers.....	52	37	15	33	14	4					
40	Clerks.....	6,138	3,992	2,146	3,525	2,006	435	136	28	3	4	1
41	Collectors.....	380	379	10	350	9	48	1				
42	Commercial travelers.....	1,745	1,735	10	1,609	10	123		2		1	
43	Credit men.....	264	250	14	282	13	13	1				
44	Messenger, errand, and office boys and girls.....	206	184	22	163	22	13		8			
45	Office appliance operators.....	128	23	105	19	102	3	3	1			
46	Purchasing agents.....	241	229	12	210	11	19	1				
47	Sales agents.....	31	29	2	27	2	2					
48	Salesmen and saleswomen.....	1,930	1,894	36	1,698	30	184	6	5		7	
49	Shipping clerks.....	3,112	3,071	41	2,581	32	437	8	45	1	8	
50	Stenographers and typists.....	3,873	112	3,761	101	3,589	9	163	1	6	1	3
51	Weighers.....	13	11	2	8	2	2		1			
52	Blacksmiths.....	96	96		45		46		5			
53	Boiler makers.....	29	29		21		8					
54	Brick and stone masons and tile layers.....	23	23		15		8					
55	Cabinetmakers.....	39,983	39,970	4	19,933	4	19,451		390		155	
56	Carpenters.....	7,924	7,923	1	3,761	1	3,900		109		93	
57	Compositors, linotypers, and typesetters.....	74	66	8	60	8	5					
58	Coopers.....	12	12		8		3					
59	Cranemen, derrickmen, hoistmen, etc.....	18	18		15		3		1			
60	Electricians.....	307	307		258		49					
61	Engineers (stationary).....	1,002	1,002		783		212		6		1	
62	Engravers.....	49	49		38	2	8		1			
63	Forgemen and hammermen.....	19	19		14		5					
64	Mechanists.....	4,827	4,827		3,828		961		27		11	
65	Mechanics (not otherwise specified).....	1,574	1,574		1,248		288		32		6	
66	Millwrights.....	613	613		489		124					
Molders, founders, and casters (metal):												
67	Iron molders, founders, and casters.....	16	16		9		7					
68	All other molders, founders, and casters.....	15	15		10		5					
69	Painters, glaziers, and varnishers (building).....	79	79		53		20		4		2	
70	Pattern and model makers.....	291	291		221		69				1	
71	Plumbers and gas and steam fitters.....	133	133		111		21		1			
72	Sawyers.....	2,315	2,307	8	1,869	6	413	1	22	1	3	
73	Skilled occupations (not elsewhere classified).....	2,240	2,242	4	1,290	4	934		3		15	
74	Tinsmiths and sheet metal workers.....	515	515		389		122		3		3	
75	Toolmakers and die setters and sinkers.....	325	325		240		85					
76	Upholsterers.....	29,854	28,646	1,208	17,863	880	9,868	282	686	31	199	15
77	Other skilled trades.....	11	11		6		5					

1 Most of these were returned as "wood carvers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
LUMBER AND FURNITURE INDUSTRIES—Continued											
Furniture factories—Continued.											
Apprentices:											
1 Designers' and draftsmen's apprentices	22	22		18		4					
2 Carpenters' apprentices	42	41	1	37	1	2		2			
3 Machinists' apprentices	69	69		67		1		1			
4 Other apprentices	1,338	1,295	43	1,133	40	137	2	10		15	
5 Buffers and polishers (metal)	129	126	3	83	3	42		1			
6 Charwomen and cleaners	39	18	21	10	9	7	4		8		
7 Chauffeurs and truck and tractor drivers	3,375	3,373	2	2,637	2	338		378		20	
8 Draymen and teamsters	330	330		230		54		44		2	
9 Elevator tenders	281	268	23	108	14	73	2	17	7		
10 Enamelers, lacquerers, and japanners	123	115	8	80	7	34		1			
11 Firemen	1,110	1,110		720		242		148			
12 Grinders (metal)	33	33		24		9					
13 Guards, watchmen, and doorkeepers	1,310	1,309	1	952	13	300		50		2	
14 Janitors	467	457	80	203	13	145	3	87	13	1	
15 Laborers	39,802	38,321	1,481	28,952	1,155	5,978	113	3,148	206	243	
16 Oilers of machinery	35	35		31		4					
17 Operatives	75,235	66,181	9,104	47,593	7,602	16,400	1,205	1,016	262	432	
18 Painters, glaziers, and varnishers (factory)	10,100	9,640	460	5,956	326	3,250	68	236	63	103	
19 Porters	271	270	1	66		40		156	1	2	
20 Saw filers	226	224	2	185	1	39	1				
21 All other occupations	80	15	15	7	14	7	1	1			
22 Piano and organ factories	18,151	16,428	1,723	10,068	1,556	6,158	169	195	5	7	
23 Owners, operators, and proprietors	281	280	1	210	1	70					
24 Managers and officials	584	567	17	447	14	120	3				
25 Foremen and overseers	514	493	21	345	20	148	1				
26 Designers	10	10		9		1					
27 Draftsmen	63	63		51		12					
28 Mechanical engineers	19	19		13		6					
29 Other professional pursuits	11	10	1	9	1	1					
30 Accountants and auditors	110	101	9	88	9	13					
31 Advertising agents	14	13	1	11	1	2					
32 Agents (not elsewhere classified)	54	50	4	39	3	9	1	2			
33 Bookkeepers and cashiers	315	133	182	114	172	19	10				
34 Clerks	530	291	245	256	228	32	17	3			
35 Collectors	27	27		22		5		2			
36 Commercial travelers	140	135	5	119	5	10					
37 Credit men	33	30	2	26	2	2					
38 Messenger, errand, and office boys and girls	31	30	1	28	1	2		2			
39 Purchasing agents	31	33		27		6					
40 Salesmen and saleswomen	265	250	5	210	5	30				1	
41 Shipping clerks	129	127	2	89	2	35		3			
42 Stenographers and typists	451	11	440	11	418	22					
43 Other clerical pursuits	19	8	11	6	11	2					
44 Cabinetmakers	1,154	1,154		368		764		2			
45 Carpenters	263	238	25	111		157					
46 Electricians	47	47		38		8		1			
47 Engineers (stationary)	107	107		73		32		2			
48 Machinists	302	302		170		132					
49 Mechanics (not otherwise specified)	508	507	1	371	1	133		2		1	
50 Millwrights	41	41		29		12					
51 Pattern and model makers	21	21		13		8					
52 Piano and organ tuners (factory)	721	716	5	524	4	190	1	2			
53 Plumbers and gas and steam fitters	21	21		18		3					
54 Sawyers	83	82	1	67	1	25					
55 Skilled occupations (not elsewhere classified) 1	55	38	16	16		22					
56 Tinsmiths and sheet-metal workers	11	11		6		5					
57 Toolmakers and die setters and sinkers	54	54		35		19					
58 Other skilled trades	38	34	4	20	4	12		2			
59 Apprentices	63	62	1	59	1	3					
60 Chauffeurs and truck and tractor drivers	112	112		69		26		17			
61 Draymen and teamsters	61	61		38		21		2			
62 Elevator tenders	33	31	2	15		14		2			
63 Firemen	99	99		58		39		2			
64 Guards, watchmen, and doorkeepers	138	138		80		57		1			
65 Janitors	49	44	5	13	1	19	4	12			
66 Laborers	1,664	1,566	98	944	89	593	8	59	1		
67 Operatives	8,177	7,535	642	4,435	550	3,030	92	59		5	
68 Painters, glaziers, and varnishers (factory)	594	582	12	308	0	273	2	3	1		
69 Porters	66	66		16		35		15			
70 All other occupations	52	47	5	33	3	14	1	1			
71 Saw and planing mills 2	454,598	446,782	9,721	287,615	7,734	30,445	345	112,284	1,598	5,558	
72 Owners, operators, and proprietors	11,650	11,608	42	10,871	38	682	4	47		8	
73 Managers and officials	8,647	8,587	60	8,020	59	545	1	20		2	
74 Foremen and overseers	11,434	11,380	54	10,019	50	1,122	3	107	1	42	
75 Chemical engineers 3	12	12		11		1					
76 Chemists	31	31		24		7					
77 Civil engineers and surveyors	263	263		237		30				1	
78 Designers	30	29	1	21	1	8					
79 Draftsman	502	499	3	424	2	74	1	1			
80 Electrical engineers	125	123	2	116		11		1			
81 Lawyers	27	27		22		3		2			
82 Mechanical engineers 4	131	131		111		18		2			
83 Trained nurses	23	2	21	2	20		1				
84 Other professional pursuits	9	6	3	5	2	1	1				

1 Most of these were returned as "wood carvers."

2 Includes box factories (wood).

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
LUMBER AND FURNITURE INDUSTRIES—Continued.											
Saw and planing mills—Continued.											
1 Accountants and auditors.....	607	585	22	531	22	54					
2 Advertising agents.....	24	23	1	23	1						
3 Agents (not elsewhere classified).....	225	223	2	204	2	11		6		2	
4 Bookkeepers and cashiers.....	3,916	2,756	1,160	2,617	1,127	132	32			7	1
5 Canvassers.....	12	11	1	10	1	1					
6 Clerks.....	5,357	4,096	661	4,036	628	501	24	133	9	26	1
7 Collectors.....	43	41	2	37	2	2		1		1	
8 Commercial travelers.....	452	451	1	426	1	24		1			
9 Credit men.....	47	45	2	41	2	4					
10 Messenger, errand, and office boys and girls.....	83	72	11	55	11	3		13		1	
11 Office appliance operators.....	43	11	32	11	31		1				
12 Purchasing agents.....	429	425	4	401	4	18		1		5	
13 Sales agents.....	12	12									
14 Salesmen and saleswomen.....	970	962	8	901	6	56	2	4		1	
15 Shipping clerks.....	1,549	1,544	5	1,318	5	193		20		2	
16 Stenographers and typists.....	2,157	194	1,963	182	1,893	11	65	1	1		4
17 Weighers.....	11	11		6		2		2		1	
18 Blacksmiths.....	1,144	1,144		797		240		101		6	
19 Bollermakers.....	108	108		84		19		3		2	
20 Brick and stone masons and tile layers.....	62	62		34		12		14		2	
21 Cabinetmakers.....	3,974	3,973	1	2,339	1	1,620		5		6	
22 Carpenters.....	8,387	8,386	1	6,246	1	1,868		184		98	
23 Compositors, linotypers, and typesetters.....	138	132	6	118	5	12	1	2			
24 Coopers.....	78	78		53		16		9		4	
25 Cranemen, derrickmen, hoistmen, etc.....	656	656		533		88		31		4	
26 Electricians.....	957	957		868		76		6		7	
27 Engineers (stationary).....	4,402	4,402		3,821		449		124		8	
28 Machinists.....	5,850	5,850		4,883		722		221		24	
29 Mechanics (not otherwise specified).....	2,141	2,141		1,880		182		70		6	
30 Millwrights.....	5,156	5,156		4,112		944		94		6	
31 Painters, glaziers, and varnishers (building).....	55	55		46		4		4		1	
32 Pattern and model makers.....	112	112		89		23				2	
33 Plumbers and gas and steam fitters.....	507	507		418		61		20		110	
34 Sawyers.....	26,707	26,665	42	21,558	35	2,046	4	2,952	3		
35 Skilled occupations (not elsewhere classified) ¹	77	77		48		27		2			
36 Tinsmiths and sheet-metal workers.....	72	72		50		15				1	
37 Toolmakers and die setters and sinkers.....	57	57		44		11		2			
38 Other skilled trades.....	19	18	1	15	1	2		1			
Apprentices:											
39 Carpenters' apprentices.....	21	21		19		1		1			
40 Machinists' apprentices.....	51	51		48		3		2			
41 Other apprentices.....	169	169		159		6				2	
42 Chauffeurs and truck and tractor drivers.....	10,580	10,578	2	8,620	1	292		1,026	1	50	
43 Draymen and teamsters.....	5,628	5,628		3,833		278		1,473	1	36	
44 Elevator tenders.....	63	60	3	39	2	18	1				
45 Firemen.....	7,314	7,313	1	4,159	1	519		2,006		20	
46 Grinders (metal).....	37	37		29		7					
47 Guards, watchmen, and doorkeepers.....	3,687	3,682	5	2,816	4	457		388	1	21	
48 Janitors.....	248	231	17	113	6	59	3	55	8	4	
49 Laborers.....	251,741	248,808	2,938	131,005	1,501	17,581	81	95,108	1,320	4,410	27
50 Others of machinery.....	848	848		632		109		90		8	
51 Operatives.....	58,986	56,339	2,647	41,624	2,231	7,579	115	6,309	230	577	12
52 Painters, glaziers, and varnishers (factory).....	1,671	1,644	27	1,325	25	236	2	67		16	
53 Porters.....	62	62		13		5		44			
54 Saw filers.....	3,870	3,870		3,430		360		72		8	
55 All other occupations.....	39	21	18	15	10	3	3	3	5		
56 Other woodworking factories.....	122,274	108,183	13,091	73,610	10,155	19,497	923	15,431	1,176	645	857
57 Owners, operators, and proprietors.....	2,667	2,632	35	2,224	27	698	7	6		4	1
58 Managers and officials.....	3,362	3,308	54	2,951	52	326	2			1	
59 Foremen and overseers.....	3,544	3,739	195	3,172	97	528	5	39	2		1
60 Chemical engineers ¹	24	24		21		3					
61 Chemists.....	91	90	1	84	1	6					
62 Civil engineers and surveyors.....	31	31		26		5					
63 Designers.....	86	81	5	43	4	38	1				
64 Draftsmen.....	290	250	1	233	1	56					
65 Electrical engineers.....	24	24		20		4					
66 Mechanical engineers ¹	93	93		75		18					
67 Other professional pursuits.....	16	8	8	7	7	1		1			
68 Accountants and auditors.....	281	257	24	233	23	24	1				
69 Advertising agents.....	14	12	2	10	2	2					
70 Agents (not elsewhere classified).....	110	108	2	98	2	8		1		1	
71 Bookkeepers and cashiers.....	1,457	740	717	696	667	42	48	1	2	1	
72 Canvassers.....	12	11	1	9	1	2					
73 Clerks.....	1,077	1,404	573	1,255	539	124	28	21	5	4	1
74 Collectors.....	11	11		7		4					
75 Commercial travelers.....	366	364	2	336	2	28					
76 Credit men.....	25	23	2	21	1	2	1				
77 Messenger, errand, and office boys and girls.....	106	102	4	91	4	5		6			
78 Office appliance operators.....	24	9	15	7	14	1	1	1			
79 Purchasing agents.....	212	210	2	191	2	17		1		1	
80 Sales agents.....	4	4		4							
81 Salesmen and saleswomen.....	483	473	10	422	7	50	1	1	1		1
82 Shipping clerks.....	804	789	15	667	15	114		8			
83 Stenographers and typists.....	1,209	62	1,147	56	1,099	4	48	1		1	
84 Weighers.....	15	13	2	10	2	2				1	

¹ Most of these were returned as "wood carvers."² Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

(In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
LUMBER AND FURNITURE INDUSTRIES—Continued											
Other woodworking factories—Continued.											
1 Blacksmiths.....	142	142		96		38		8			
2 Boilermakers.....	12	12		9		3					
3 Cabinetmakers.....	2,273	2,273		1,042		1,214		11		6	
4 Carpenters.....	2,592	2,592		1,527		990		65		10	
5 Compositors, linotypers, and typesetters.....	153	132	21	120	20	10	1	2			
6 Coopers.....	6,676	6,676		3,522		1,922		1,213		14	
7 Coppersmiths.....	10	10				9		1			
8 Crane-men, derrickmen, hoistmen, etc.....	221	221		183		8		20		1	
9 Electricians.....	166	166		146		18		2			
10 Engineers (stationary).....	827	827		685		118		23		1	
11 Engravers.....	87	87		66		21					
12 Forgemen and hammermen.....	10	10		8		2					
13 Machinists.....	2,467	2,467		1,007		508		50		2	
14 Mechanics (not otherwise specified).....	891	891		720		148		23			
15 Millwrights.....	559	559		441		106		12			
16 Painters, glaziers, and varnishers (building).....	16	15	1	13	1	1		1			
17 Pattern and model makers.....	1,600	1,600		1,180		417		2		1	
18 Plumbers and gas and steam fitters.....	113	113		95		16		1		1	
19 Sawyers.....	2,258	2,246	12	1,727	9	230	3	271		0	
20 Skilled occupations (not elsewhere classified).....	1,168	1,159	9	504	9	636		5		14	
21 Tinsmiths and sheet metal workers.....	43	43		27		15				1	
22 Toolmakers and die setters and sinkers.....	149	149		102		46		1			
23 Other skilled trades.....	13	13		9		2		2			
Apprentices:											
24 Machinists' apprentices.....	24	24		22		1		1			
25 Other apprentices.....	248	247	1	210	1	21		14		2	
26 Chauffeurs and truck and tractor drivers.....	1,531	1,531		1,241		115		101		14	
27 Draymen and teamsters.....	585	585		458		59		66		2	
28 Elevator tenders.....	69	69		54		15					
29 Firemen.....	1,412	1,412		752		168		400		2	
30 Grinders (metal).....	30	30		24		6					
31 Guards, watchmen, and doorkeepers.....	885	882	3	622	2	181		77	1	2	
32 Janitors.....	166	157	9	60	7	51		46			
33 Laborers.....	40,332	37,381	2,951	21,944	1,923	3,814	176	11,280	835	343	17
34 Oilers of machinery.....	78	78		59		16		3			
35 Operatives.....	35,059	27,806	7,253	20,101	5,517	6,060	570	1,432	324	204	833
36 Painters, glaziers, and varnishers (factory).....	1,065	975	90	637	66	322	19	14	2	2	3
37 Porters.....	55	55		14		15		20			
38 Saw filers.....	305	305		259		30		7			
39 All other occupations.....	46	32	14	25	11	6	1	1	2		
PAPER, PRINTING, AND ALLIED INDUSTRIES											
40 Blank book, envelope, tag, paper bag, etc., factories.....	38,941	22,892	16,249	13,606	14,789	3,767	1,850	394	96	85	14
41 Owners, operators, and proprietors.....	663	641	22	483	20	157	2	1			
42 Managers and officials.....	1,647	1,665	82	1,399	76	103	6	1		2	
43 Foremen and overseers.....	1,239	884	355	733	331	149	23	2	1		
44 Chemists.....	58	57	1	50	1	6				1	
45 Designers.....	171	122	49	86	43	36	6				
46 Draftsmen.....	71	70	1	62	1	8					
47 Electrical engineers.....	11	11		9		2					
48 Mechanical engineers.....	66	66		62		4					
49 Other professional pursuits.....	29	22	7	20	7	2					
50 Accountants and auditors.....	242	209	33	189	29	20	4				
51 Advertising agents.....	47	34	13	33	12	1	1				
52 Agents (not elsewhere classified).....	107	102	5	89	5	13					
53 Bookkeepers and cashiers.....	884	250	625	230	574	29	50		1		
54 Canvassers.....	11	10	1	9	1	1					
55 Clerks.....	3,231	1,547	1,684	1,373	1,566	157	115	16	3	1	
56 Commercial travelers.....	423	419	4	388	4	31					
57 Credit men.....	42	39	3	36	2	3	1				
58 Messenger, errand, and office boys and girls.....	149	131	18	118	16	6		7	1		1
59 Office appliance operators.....	63	6	57	5	53	4		4			
60 Purchasing agents.....	67	62	5	58	5	4					
61 Salesmen and saleswomen.....	552	532	20	478	18	52	1	2			1
62 Shipping clerks.....	935	900	35	754	33	129	2	16		1	
63 Stenographers and typists.....	1,593	50	1,453	46	1,395	4	56		1		1
64 Other clerical pursuits.....	21	20	1	18	1	2					
65 Carpenters.....	86	86		61		25					
66 Compositors, linotypers, and typesetters.....	1,765	1,537	228	1,305	209	222	17	5	1	5	1
67 Electricians.....	101	101		84		16		1			
68 Engineers (stationary).....	129	129		91		37		1			
69 Engravers.....	156	143	13	111	10	32	3				
70 Machinists.....	1,290	1,290		979		306		2		3	
71 Mechanics (not otherwise specified).....	223	223		177		46					
72 Millwrights.....	88	88		72		16					
73 Pattern and model makers.....	71	69	2	42	2	27					
74 Plumbers and gas and steam fitters.....	40	40		33		7					
75 Pressmen and plate printers.....	443	443		410		29		2		2	
76 Toolmakers and die setters and sinkers.....	111	111		89		22					
77 Other skilled trades.....	35	35		19		16					

1 Most of these were returned as "wood carvers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
			1		6		17		28		48		27		12		3			1
			48		235		460		521		527		301		159		24			2
16			52		204		483		619		612		306		169		42			3
2	1		11		38		48		14		9		8		2					4
50			188		576		1,228		1,513		1,473		1,006		542		95			5
			5		37		98		60		17		6		3					6
			2		22		62		51		22		5		1					7
2			3		56		132		213		215		108		16		7			8
			6		3		13		15		10		16		15		3			9
			1		2		2		2		2		2		2					10
			61		266		577		648		497		290		110		7			11
			21		97		103		107		184		120		58		15			12
			6		21		68		140		192		102		36		3			13
			3		3		3		4		1		1		1					14
1			44		183		430		454		275		144		63		6			15
			1		10		27		34		26		12		3					16
			90		345		627		470		369		240		91		8			17
			29		125		165		250		271		210		82		27			18
					3		12		8		10		7		3					19
					11		49		37		31		13		7		1			20
					1		5		4		2				1					21
																				22
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21			2		1															25
109			45		20		4		1											26
35			89		344		563		318		135		42		4		1			27
10			22		71		130		139		123		62		25		2			28
2			4		4		4		8		12		21		16		3			29
6			11		102		282		391		362		102		60		6			30
			2		4		8		7		4		3		2					31
1			6		22		70		130		204		277		140		1			32
1			4		11		17		22		34		36		29		3			33
2,556	381	3,084	413	7,277	730	9,093	701	6,464	423	5,000	221	2,687	66	1,072	13	125		53	3	34
1			3		9		18		19		11		11		6					35
1,251	846	1,606	1,036	3,887	1,760	6,003	1,527	5,416	1,003	4,700	608	3,142	320	1,484	115	206	32	21	6	36
50			14		23		184		180		11		132		4					37
			2		7		6		8		16		6		4					38
1			3		14		52		72		65		66		31		1			39
1			1		3		8		3		6		4		5		1			40
																				41
904	1,494	1,499	2,412	3,529	4,885	5,720	4,159	4,834	1,957	3,412	900	2,001	359	719	65	90	6	14	12	42
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OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				PAPER, PRINTING, AND ALLIED INDUSTRIES—Continued							
Blank book, envelope, tag, paper bag, etc., factories—Continued.											
1 Apprentices.....	80	70	1	75	1	4					
2 Chauffeurs and truck and tractor drivers.....	395	395		327		37		30		1	
3 Draymen and teamsters.....	32	32		24							
4 Elevator tenders.....	43	42	1	27	1	12		3			
5 Firemen.....	147	147		97		45		5			
6 Guards, watchmen, and doorkeepers.....	151	150	1	108	1	38		4			
7 Janitors.....	108	105	3	55	3	28		21		1	
8 Laborers.....	3,926	3,072	854	2,294	772	605	57	163	21	10	4
9 Operatives.....	17,127	0,488	10,639	5,229	9,567	1,174	999	77	07	8	6
10 Painters, glaziers, and varnishers (factory).....	71	48	23	35	22	12	1	1			
11 Porters.....	46	46		7		13		26			
12 All other occupations.....	45	35	10	27	8	7	2	1			
13 Paper and pulp mills.....	179,792	155,238	24,558	115,440	20,718	32,592	2,699	6,693	846	511	93
14 Owners, operators, and proprietors.....	813	802	11	620	7	182	4				
15 Managers and officials.....	4,621	4,549	72	3,976	64	568	8	4		1	
16 Foremen and overseers.....	5,806	5,530	276	4,345	237	1,131	34	46	5	8	
17 Chemical engineers ¹	149	149		118		31					
18 Chemists.....	1,015	997	18	883	18	112		1		1	
19 Civil engineers and surveyors.....	171	171		152		19					
20 Designers.....	40	34	6	27	6	7					
21 Draftsmen.....	216	215	1	187	1	28					
22 Electrical engineers.....	163	163		133		25					
23 Mechanical engineers ¹	330	330		267		63					
24 Trained nurses.....	76	2	74	2	66	8					
25 Other professional pursuits.....	22	20	2	17		3					
26 Accountants and auditors.....	966	886	80	802	79	82	1	2			
27 Advertising agents.....	95	80	15	73	15	7					
28 Agents (not elsewhere classified).....	332	330	2	295	1	34	1	1			
29 Bookkeepers and cashiers.....	2,484	1,140	1,338	1,044	1,235	102	100		1		2
30 Canvassers.....	21	19	2	19	2						
31 Clerks.....	7,558	4,968	2,560	4,377	2,425	542	118	38	6	1	1
32 Collectors.....	32	30	2	25	2	5					
33 Commercial travelers.....	791	787	4	726	4	54		2		5	
34 Credit men.....	78	70	3	66	2	4	1				
35 Messenger, errand, and office boys and girls.....	314	293	21	256	19	21	2	15		1	
36 Office appliance operators.....	97	11	86	11	51	5					
37 Purchasing agents.....	354	344	10	312	10	30		2			
38 Sales agents.....	22	21	1	20	1	1					
39 Salesmen and saleswomen.....	1,436	1,411	25	1,287	25	122				2	
40 Shipping clerks.....	2,455	2,416	39	1,986	34	424	5	33		3	
41 Stenographers and typists.....	3,655	171	3,484	162	3,335	8	146		3	1	
42 Weighers.....	178	168	10	130	8	28	2	9		1	
43 Blacksmiths.....	350	350		220		124		4		2	
44 Boilermakers.....	113	113		88		10		6			
45 Brick and stone masons and tile layers.....	177	177		106		67		4			
46 Carpenters.....	1,438	1,438		1,126		305		7			
47 Cement finishers.....	14	14		10		4					
48 Compositors, linotypers, and typesetters.....	1,154	1,076	78	956	68	112	10	3		5	
49 Cranemen, derrickmen, hoistmen, etc.....	280	280		233		44		3		2	
50 Electricians.....	2,085	2,085		1,820		262		1		2	
51 Engineers (stationary).....	2,709	2,709		2,172		517		16		4	
52 Engravers.....	44	42	2	36	2	6					
53 Machinists.....	4,191	4,191		3,337		821		30		3	
54 Mechanics (not otherwise specified).....	1,533	1,533		1,182		335		14		2	
55 Millwrights.....	3,554	3,554		2,645		900		5		4	
56 Painters, glaziers, and varnishers (building).....	77	77		63		14					
57 Pattern and model makers.....	57	57		47		10					
58 Plumbers and gas and steam fitters.....	1,640	1,640		1,316		318		6			
59 Sawyers.....	197	197		163		37		6		1	
60 Tinsmiths and sheet metal workers.....	107	107		81		26					
61 Toolmakers and die setters and stakers.....	80	80		60		20					
62 Other skilled trades.....	24	24		20		4					
Apprentices:											
63 Machinists' apprentices.....	35	35		33		2					
64 Other apprentices.....	98	97	1	88	1	9					
65 Charwomen and cleaners.....	27	9	18	6	4	1	9	2	5		
66 Chauffeurs and truck and tractor drivers.....	2,392	2,390	2	1,835	1	293		250		12	
67 Draymen and teamsters.....	469	469		325		90		53		1	
68 Dyers.....	31	31		22		9					
69 Elevator tenders.....	161	160	1	88	1	58		14			
70 Filers (metal).....	58	58		42		16					
71 Firemen.....	3,307	3,307		2,122		910		262		4	
72 Guards, watchmen, and doorkeepers.....	1,242	1,242		798		418		26			
73 Housekeepers and stewards ²			14	1	11	3		1			
74 Janitors.....	16	9	7	1	16	147	3	107	2	2	1
75 Laborers.....	52,038	49,677	2,361	33,021	1,775	11,632	299	4,711	259	313	28
76 Others of machinery.....	999	999		717		265		16		1	
77 Operatives.....	63,629	49,709	13,920	37,731	11,155	11,027	2,140	821	564	130	61
78 Painters, glaziers, and varnishers (factory).....	450	445	5	353	5	92		8			
79 Policemen.....	24	24		21		3					
80 Porters.....	238	238		32		33		172		1	

¹ Included, in other occupation tables, in the group "Mining engineers."

² Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
PAPER, PRINTING, AND ALLIED INDUSTRIES—Continued											
1 Paper box factories.....	24, 656	14, 052	10, 004	10, 596	9, 204	3, 189	1, 210	252	63	21	28
2 Owners, operators, and proprietors.....	849	830	19	514	15	315	4			1	
3 Managers and officials.....	939	907	32	763	28	122	4			2	
4 Foremen and overseers.....	867	669	198	548	176	110	21	2	1		
5 Chemists.....	12	11	1	11	1						
6 Designers.....	21	16	5	14	4	2	1				
7 Draftsmen.....	12	12		12							
8 Mechanical engineers.....	18	18		15		3					
9 Other professional pursuits.....	6	4	2	3	1	1	1				
10 Accountants and auditors.....	81	70	11	64	11	6					
11 Agents (not elsewhere classified).....	23	21	2	20	2	1					
12 Bookkeepers and cashiers.....	465	121	344	105	300	16	44				
13 Clerks.....	844	470	374	416	385	52	36	2	2		1
14 Commercial travelers.....	186	135	51	126	1	9					
15 Messenger, errand, and office boys and girls.....	41	37	4	34	4	3					
16 Office appliance operators.....	16	3	13	3	13						
17 Purchasing agents.....	27	26	1	24		2	1				
18 Salesmen and saleswomen.....	299	293	6	240	5	41	1				
19 Shipping clerks.....	381	367	14	297	0	66	5	3		1	
20 Stenographers and typists.....	393	9	384	9	365		19				
21 Weighers.....	10	9	1	8	1	1					
22 Other clerical pursuits.....	24	24		20		4					
23 Carpenters.....	26	20		10		7					
24 Compositors, linotypers, and typesetters.....	633	583	50	514	46	64	3	4	1	1	
25 Electricians.....	26	20		26							
26 Engineers (stationary).....	64	64		53		10		1			
27 Machinists.....	527	527		378		145		4			
28 Mechanics (not otherwise specified).....	91	91		64		26		1			
29 Millwrights.....	43	43		31		12					
30 Plumbers and gas and steam fitters.....	13	13		12		1					
31 Toolmakers and die setters and sinkers.....	96	90	6	88		7		1			
32 Other skilled trades.....	43	43		37		6					
33 Apprentices.....	23	15	8	12	8	3					
34 Chauffeurs and truck and tractor drivers.....	394	394		313		60		21			
35 Draymen and teamsters.....	55	55		35		16		4			
36 Elevator tenders.....	23	23		25		2		1			
37 Firemen.....	64	64		36		23		5			
38 Guards, watchmen, and doorkeepers.....	70	70		57		20		2			
39 Janitors.....	41	37	4	18	3	11	1	8			
40 Laborers.....	2, 587	1, 986	601	1, 398	532	482	58	101	8	5	3
41 Operatives.....	14, 284	5, 767	8, 517	4, 170	7, 424	1, 510	1, 018	76	51	11	24
42 Painters, glaziers, and varnishers (factory).....	24	13	11	10	10	3					
43 Porters.....	28	28		7		5		16			
44 All other occupations.....	23	22	1	18		4	1				
45 Printing, publishing, and engraving.....	544, 606	420, 018	114, 688	364, 194	105, 789	56, 633	7, 895	7, 246	1, 043	1, 845	191
46 Owners, operators, and proprietors.....	20, 970	20, 197	773	16, 777	715	3, 225	54	120	3	66	1
47 Managers and officials.....	22, 884	21, 209	1, 685	19, 222	1, 486	1, 988	88	49	10	40	1
48 Foremen and overseers.....	8, 077	6, 767	1, 310	5, 884	1, 214	836	93	41	3	6	
49 Chemical engineers ¹	10	10		8		2					
50 Chemists.....	90	88	2	69	2	19					
51 Civil engineers and surveyors.....	96	95	1	83	1	12					
52 Designers.....	174	97	77	79	68	18	9				
53 Draftsmen.....	680	614	75	477	71	132	4	1		4	
54 Electrical engineers.....	73	73		62		11					
55 Lawyers.....	135	126	9	114	8	11	1	1			
56 Mechanical engineers ¹	175	174	1	153	1	20		1			
57 Photographers.....	1, 728	1, 673	55	1, 449	49	218	6	2		4	
58 Social and welfare workers.....	13	4	9	4							
59 Trained nurses.....	35	2	33	2	30		3				
60 Accountants and auditors.....	2, 063	2, 474	489	2, 164	468	306	21	3		1	
61 Advertising agents.....	11, 187	9, 697	1, 490	9, 036	1, 427	619	59	27	3	15	1
62 Agents (not elsewhere classified).....	2, 568	2, 268	260	2, 069	246	219	10	5	4	5	
63 Bookkeepers and cashiers.....	15, 579	4, 294	11, 285	3, 815	10, 462	450	702	11	49	18	12
64 Canvassers.....	12, 856	10, 797	2, 059	9, 645	1, 917	1, 078	117	47	24	27	1
65 Clerks.....	52, 408	23, 518	28, 890	20, 970	27, 015	2, 289	1, 744	195	105	64	26
66 Collectors.....	3, 356	2, 870	486	2, 551	469	300	14	7	3	12	
67 Commercial travelers.....	3, 014	2, 841	173	2, 630	168	206	5	1		4	
68 Credit men.....	513	460	44	435	39	34					
69 Messenger, errand, and office boys and girls.....	6, 569	6, 316	253	5, 768	230	349	17	172	5	37	1
70 Office appliance operators.....	1, 685	879	806	776	747	88	53	12	3	3	3
71 Purchasing agents.....	375	342	33	317	30	25	3				
72 Sales agents.....	73	60	13	51	12	8					
73 Salesmen and saleswomen.....	7, 800	7, 177	623	6, 478	588	682	34	10	1	7	
74 Shipping clerks.....	3, 814	3, 658	156	3, 012	142	506	11	131	3	9	
75 Stenographers and typists.....	23, 437	1, 430	22, 007	1, 280	20, 559	128	1, 287	7	126	15	36
76 Weighers.....	22	14	8	9	7	3	1	2			
77 Other clerical pursuits.....	1	1		1							
78 Blacksmiths.....	30	30		15		15					
79 Brick and stone masons and tile layers.....	13	13		11		2					
80 Cabinetmakers.....	20	20		16		12		1			

¹ Included, in other occupation tables, in the group "Mining engineers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
658	1,461	910	1,591	2,216	2,848	3,579	2,464	3,182	1,302	2,052	612	1,048	253	406	57	53	7	3	9	1	
				5	1	118	3	250	8	261	4	129	3	58		9				2	
				35	5	209	4	305	11	219	11	96	1	36		7				3	
				35	21	187	56	230	52	138	38	58	19	13						4	
																					5
				1		8		1													6
						3	1	5		1		1	1								7
						4		1		1				1							8
						8		5		4											9
						1		1		1				1							10
				7	3	27	5	21	2	8	1	4		3							11
						9	1	11	1					1							12
				27	12	41	102	24	52	12	17	5	9	3							13
						123	127	75	38	33	21	31	4	6	1	1					14
						7		60	1	15		12		5							15
						1		2		1				6							16
						1		1		1				1							17
						1		7		7				1							18
						81		95		41		13		17							19
						74	6	71	2	38	1	23		9	1						20
						3	150	3	95	1	13			1							21
						2	1	2	2	1	1			2							22
						1		6		4				1							23
						7		8		4				2							24
						191	10	106	7	46	2	10		6							25
						10		4		4				1							26
						7		13		21				5							27
						151		147		97				11							28
						22		26		10				2							29
						7		13		14				4							30
						6		3		2				3							31
						28		34		15				4							32
						6		12		8				3							33
																					34
						4	1	2		27											35
						167		80		12				3							36
						18		12		5				5							37
						3		6		3				5							38
						13		18		10				6							39
						3		8		22				7							40
						3		6		3				5							41
						2		2		1				2							42
						6		3		6				3							43
						2		3		5				1							44
						2		3		5				1							45
10,902	6,231	27,182	13,441	68,633	31,658	108,601	31,834	92,290	17,734	61,010	9,107	37,589	3,930	12,619	845	1,749	85	283	123	46	
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¹ Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
PAPER, PRINTING, AND ALLIED INDUSTRIES—Continued											
Printing, publishing, and engraving—Con.											
1 Carpenters.....	305	305		211		90		4			
2 Compositors, linotypers, and typesetters.....	108,183	150,495	8,088	135,546	7,907	21,152	545	1,765	192	1,032	44
3 Cranemen, derrickmen, hoistmen, etc.....	15	15		13		2					
4 Electricians.....	692	692		675		114		2		1	
5 Electrotypers and stereotypers.....	7,824	7,805	19	6,076	18	787	1	29		13	
6 Engineers (stationary).....	769	709		601		392		16			
7 Engravers.....	12,720	12,403	317	9,088	282	2,384	33	14	2	17	
8 Lithographers.....	8,868	8,643	225	6,790	196	1,810	27	19		24	2
9 Machinists.....	4,003	4,003		3,241		1,536		24		2	
10 Mechanics (not otherwise specified).....	947	947		710		215		17		5	
11 Millwrights.....	76	76		65		11					
12 Molders, founders, and casters (metal).....	16	16		13				2			
13 Painters, glaziers, and varnishers (building).....	61	61		47		13		1			
14 Pattern and model makers.....	63	61	2	44	2	17					
15 Plumbers and gas and steam fitters.....	77	77		70		7		1			
16 Pressmen and plate printers.....	30,772	30,772		27,285		3,105		187		105	
17 Tinsmiths and sheet metal workers.....	33	33		25		8					
18 Toolmakers and die setters and sinkers.....	236	236		169		65		1		1	
19 Other skilled trades.....	44	43	1	34	1	5		4			
20 Apprentices:											
21 Designers' and draftsmen's apprentices.....	36	20	7	27	6	1	1			1	
22 Machinists' apprentices.....	68	68		63		5					
23 Printers' and bookbinders' apprentices.....	10,028	10,675	353	9,036	326	487	16	52	10	50	1
24 Other apprentices.....	627	608	19	571	18	85		1	1	1	
25 Charwomen and cleaners.....	80	17	69	8	26	7	23	2	20	1	
26 Chauffeurs and truck and tractor drivers.....	5,525	5,522	3	4,888	3	530		381		23	
27 Draymen and teamsters.....	347	347		279		50		17		1	
28 Elevator tenders.....	382	349	33	207	18	89	2	51	13	2	
29 Firemen.....	803	303		170		91		33			
30 Guards, watchmen, and doorkeepers.....	399	897	2	579	2	275		40		3	
31 Housekeepers and stewards ¹	49	3	46	1	25	15		2		6	
32 Janitors.....	1,859	1,797	62	720	30	433	17	639	14	5	1
33 Laborers.....	10,822	9,440	1,382	6,526	1,255	1,833	94	985	28	96	5
34 Oilers of machinery.....	96	96		69		24		3			
35 Operatives.....	70,871	40,457	30,414	32,220	27,456	7,310	2,488	797	413	121	57
36 Painters, glaziers, and varnishers (factory).....	176	138	38	96	36	38	2	2		2	
37 Policemen.....	50	48	2	36	2	12					
38 Porters.....	1,807	1,806	1	300		195		1,300	1	2	
TEXTILE INDUSTRIES											
38 Carpet mills.....	44,489	30,040	14,469	18,575	11,070	10,979	3,278	430	88	56	23
39 Owners, operators, and proprietors.....	368	342	21	233	17	100	4	8			
40 Managers and officials.....	499	488	11	384	10	104	1				
41 Foremen and overseers.....	1,210	1,119	91	760	75	358	14		2	1	
42 Chemists.....	34	33	1	29	1	4					
43 Designers.....	551	396	155	270	137	124	16		2	2	
44 Draftsmen.....	34	33	1	29	1	4					
45 Electrical engineers.....	12	12		8		4					
46 Mechanical engineers.....	23	23		21		2					
47 Other professional pursuits.....	19	12	7	10	5	2	2				
48 Accountants and auditors.....	95	93	2	82	1	11					1
49 Agents (not elsewhere classified).....	53	51	2	43	1	8		1			
50 Bookkeepers and cashiers.....	546	245	301	215	271	30	29		1		
51 Clerks.....	1,400	907	502	759	456	142	46	4		2	
52 Commercial travelers.....	224	222	2	170	1	52	1				
53 Credit men.....	32	31	1	28	1	3					
54 Messenger, errand, and office boys and girls.....	91	81	10	73	10	8					
55 Office-appliance operators.....	15	2	13	2	13						
56 Purchasing agents.....	30	37	2	33	2	4					
57 Salesmen and saleswomen.....	308	300	8	248	0	51	2	1			
58 Shipping clerks.....	496	484	12	375	11	105	1	3		1	
59 Stenographers and typists.....	546	28	518	26	487	2	30		1		
60 Weighers.....	42	33	9	20	8	13	1				
61 Other clerical pursuits.....	29	25	4	24	4	1					
62 Blacksmiths.....	34	34		12		22					
63 Brick and stone masons and tile layers.....	14	14		2		12					
64 Carpenters.....	202	202		115		86		1			
65 Compositors, linotypers, and typesetters.....	60	68	2	29		29	2				
66 Electricians.....	115	115		98		17					
67 Engineers (stationary).....	137	137		89		46		2			
68 Loom fixers.....	598	598		373		225					
69 Machinists.....	964	964		623		338		3			
70 Mechanics (not otherwise specified).....	142	142		92		48		1		1	
71 Millwrights.....	88	88		72		16					
72 Painters, glaziers, and varnishers (building).....	151	151		101		49		1			
73 Plumbers and gas and steam fitters.....	102	102		70		32					
74 Tinsmiths and sheet-metal workers.....	27	27		17		9		1			
75 Toolmakers and die setters and sinkers.....	13	13		8		5					
76 Other skilled trades.....	52	47	5	29	5	18					
77 Apprentices:											
78 Designers' and draftsmen's apprentices.....	29	12	17	10	16	2	1				
Other apprentices.....	82	80	2	73	1	6	1			1	

¹ Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				TEXTILE INDUSTRIES—Continued							
Carpet mills—Continued.											
1 Chauffeurs and truck and tractor drivers.....	245	245		192		45		8			
2 Dyers.....	683	656	27	267	20	385	5	2	2	2	
3 Elevator tenders.....	70	79		38		40		1			
4 Firemen.....	159	159		65		92		2			
5 Guards, watchmen, and doorkeepers.....	230	233	3	127	1	104	2	2			
6 Janitors.....	46	43	3	15		20	3	8			
7 Laborers.....	4,828	4,236	592	2,196	391	1,826	188	204	12	10	
8 Oilers of machinery.....	52	52		29		23					
9 Operatives.....	28,609	16,486	12,123	9,964	9,112	6,320	2,922	166	68	36	
10 Porters.....	38	38		10		13		15		21	
11 All other occupations.....	44	32	12	17	6	13	6	2			
12 Cotton mills.....	422,204	261,821	160,383	205,729	134,141	42,394	23,149	13,373	2,939	325	
13 Owners, operators, and proprietors.....	565	550	15	449	11	100	4	1			
14 Managers and officials.....	3,192	3,143	49	2,878	46	264	3			1	
15 Foremen and overseers.....	9,824	9,404	360	8,071	303	1,305	55	26	2	2	
16 Chemists.....	124	110	5	102	5	17					
17 Civil engineers and surveyors.....	26	26		26							
18 Designers.....	269	232	37	162	33	70	4				
19 Draftsmen.....	28	27	1	23	1	4					
20 Electrical engineers.....	70	70		64		6					
21 Mechanical engineers.....	96	96		86		10					
22 Social and welfare workers.....	40	9	31	8	31	1					
23 Trained nurses.....	62	1	91	1	76		12		3		
24 Other professional pursuits.....	13	13		9		4					
25 Accountants and auditors.....	347	325	22	299	21	26	1				
26 Agents (not elsewhere classified).....	190	187	3	156		31			1		
27 Bookkeepers and cashiers.....	2,529	1,207	1,202	1,201	1,167	62	93		1	4	
28 Clerks.....	4,728	3,031	1,697	2,706	1,507	250	128	10	2	5	
29 Commercial travelers.....	191	189	2	173	2	16					
30 Credit men.....	41	41		32		9					
31 Messenger, errand, and office boys and girls.....	175	168	17	131	15	8	2	19			
32 Office-appliance operators.....	37	8	29	8	24	5					
33 Purchasing agents.....	242	237	5	230	5	7					
34 Sales agents.....	17	16	1	13	1	3					
35 Salesmen and saleswomen.....	410	379	31	344	29	35	2				
36 Shipping clerks.....	1,207	1,147	60	970	58	160	2	16		1	
37 Stenographers and typists.....	1,563	69	1,494	63	1,424	6	70				
38 Weighers.....	293	261	32	213	28	23	4	25			
39 Other clerical pursuits.....	15	12	3	10	2	2			1		
40 Blacksmiths.....	155	155		84		65		6			
41 Boilermakers.....	29	29		17		11		1			
42 Brick and stone masons and tile layers.....	111	111		62		32		17			
43 Carpenters.....	2,087	2,057		1,588		445		24			
44 Compositors, linotypers, and typesetters.....	26	20	6	15	6	5					
45 Crane men, derrickmen, hoistmen, etc.....	39	39		27		11		1			
46 Electricians.....	1,078	1,078		979		97		2			
47 Engineers (stationary).....	719	719		527		177		14			
48 Engravers.....	36	34	2	24	2	10					
49 Loom fixers.....	11,506	11,433	23	8,224	18	3,255	5	3		1	
50 Machinists.....	5,015	5,015		4,115		815		74		11	
51 Mechanics (not otherwise specified).....	2,420	2,420		2,200		129		29		2	
52 Millwrights.....	311	308	3	174	2	134	1				
53 Painters, glaziers, and varnishers (building).....	769	769		600		135		32		2	
54 Plumbers and gas and steam fitters.....	546	546		429		75		42			
55 Sawyers.....	10	10		8		2					
56 Tinsmiths and sheet-metal workers.....	66	66		45		21					
57 Toolmakers and die setters and sinkers.....	23	23		16		7					
58 Other skilled trades.....	14	14		10		3		1			
Apprentices:											
59 Machinists' apprentices.....	65	65		61		2		2			
60 Other apprentices.....	222	176	46	166	44	9	2			1	
61 Charwomen and cleaners.....	262	62	180	31	19	4		47	135		
62 Chauffeurs and truck and tractor drivers.....	1,393	1,393		781		125		480		7	
63 Draymen and teamsters.....	349	348	1	158	1	46		144			
64 Dyers.....	1,531	1,524	7	801	5	518	2	204		1	
65 Elevator tenders.....	985	974	11	719	7	245	1	8	3	2	
66 Firemen.....	1,868	1,868		672		570		616		1	
67 Guards, watchmen, and doorkeepers.....	2,084	2,082	2	1,555	2	477		47		3	
68 Housekeepers and stewards ¹	11	2	9	2	6		2		1		
69 Janitors.....	439	370	69	147	8	50	2	161	50	3	
70 Laborers.....	55,519	46,436	9,080	31,110	6,314	6,102	701	9,106	2,050	121	
71 Oilers of machinery.....	3,597	3,583	14	3,232	9	313	5	28		10	
72 Operatives.....	302,501	156,818	145,683	128,547	122,847	26,001	22,017	2,124	681	146	
73 Policemen.....	49	40	9	48		1					
74 Porters.....	75	75		7		7		61			

¹ Includes hostesses and matrons.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
1		10		52		97		50		19		12		4						1	
11	10	16	5	37	7	117	2	104	2	175		92	1	39		5				2	
		3		6		6		7		11		23		17		5				3	
		1		2		28		47		58		17		4		1				4	
		1		3		5	1	26		43		88	1	65	1	4				5	
		1		1		1		8		7	1	12	2	10		2				6	
209	54	204	76	582	137	784	120	951	88	727	71	464	30	206	13	17	2	2	1	7	
6		1		7		5		6		8		9		9		1				8	
788	913	1,036	1,126	2,425	2,359	3,765	2,551	3,772	2,205	2,391	1,352	1,486	958	694	480	134	141	5	8	9	
1	2	2	1	3	2	8	1	12	6	7	1	4	4	1	1	1				10	
																					11
20,345	23,336	18,086	18,605	41,777	35,498	62,798	38,954	51,702	28,634	38,663	12,463	20,656	3,915	6,845	851	830	54	119	83	12	
																					13
																					14
7	2	41	18	367	47	2,078	122	3,030	94	2,497	49	1,144	23	268	4	26	1	6		15	
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14	45	44	112	243	428	429	401	286	193	136	65	202	14	30	4	8				28	
126	90	232	103	678	532	861	536	524	217	324	96	44	24	77	6	1				29	
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OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
TEXTILE INDUSTRIES—Continued											
1 Hemp, jute, and linen mills.....	8, 015	4, 956	3, 059	2, 939	1, 971	1, 614	996	156	80	247	10
2 Owners, operators, and proprietors.....	184	183	1	71	1	112					
3 Managers and officials.....	232	222	10	164	10	68					
4 Foremen and overseers.....	284	230	48	128	40	106	8	2			
5 Designers.....	20	10	10	6	7	4	3				
6 Mechanical engineers.....	19	19		15		4					
7 Other professional pursuits.....	23	21	2	16	1	5	1				
8 Accountants and auditors.....	28	25	3	20	2	5	1				
9 Agents (not elsewhere classified).....	37	30	7	17	7	13					
10 Bookkeepers and cashiers.....	139	40	99	31	81	9	18				
11 Clerks.....	381	212	169	168	140	42	28	1	1	1	
12 Commercial travelers.....	55	54	1	37		17					
13 Messenger, errand, and office boys and girls.....	27	24	3	21	3	2		1			
14 Purchasing agents.....	15	14	1	10	1	4					
15 Salesmen and saleswomen.....	62	59	3	39	3	20					
16 Shipping clerks.....	114	111	3	71	3	37		3			
17 Stenographers and typists.....	164	7	157	6	140	1	17				
18 Weighers.....	20	17	3	12	3	3		2			
19 Other clerical pursuits.....	12	7	5	6	4	1	1				
20 Carpenters.....	35	35		15		18					2
21 Electricians.....	18	18		13		5					
22 Engineers (stationary).....	33	33		16		17					
23 Loom fixers.....	45	45		33		7					3
24 Machinists.....	194	104		111		80		1			2
25 Mechanics (not otherwise specified).....	40	49		37		7		2			3
26 Millwrights.....	14	14		12		2					
27 Painters, glaziers, and varnishers (building).....	11	11		7		4					
28 Plumbers and gas and steam fitters.....	19	19		11		6					2
29 Tinsmiths and sheet-metal workers.....	10	10		9		1					
30 Other skilled trades.....	23	23		17		5		1			
31 Chauffeurs and truck and tractor drivers.....	53	53		42		8		3			
32 Firemen.....	43	43		15		21		7			
33 Guards, watchmen, and doorkeepers.....	60	60		31		28		1			
34 Laborers.....	961	863	98	424	46	326	26	65	25	48	1
35 Oilers of machinery.....	68	68		50		18					
36 Operatives.....	4, 503	2, 074	2, 429	1, 231	1, 475	596	893	61	52	180	0
37 All other occupations.....	60	53	7	27	4	22	2	4	1		
38 Knitting mills.....	174, 912	72, 845	102, 067	59, 952	91, 575	11, 968	9, 607	866	803	59	82
39 Owners, operators, and proprietors.....	1, 507	1, 470	37	854	30	616	7				
40 Managers and officials.....	2, 477	2, 321	156	1, 931	137	389	19				
41 Foremen and overseers.....	4, 557	2, 799	1, 758	2, 315	1, 573	480	179	3	3	1	3
42 Chemists.....	97	94	3	84	8	10					
43 Designers.....	108	71	37	41	29	30	8				
44 Draftsmen.....	15	14	1	13	1	1					
45 Electrical engineers.....	11	11		9		2					
46 Mechanical engineers.....	29	29		27		2					
47 Trained nurses.....	17		17		16		1				
48 Other professional pursuits.....	10	7	3	4	3	3					
49 Accountants and auditors.....	229	193	36	174	35	19	1				
50 Advertising agents.....	22	20	2	20	2						
51 Agents (not elsewhere classified).....	185	127	58	104	63	22	3	1	2		
52 Bookkeepers and cashiers.....	1, 800	532	1, 268	496	1, 130	36	137				
53 Canvassers.....	90	36	54	32	45	3	6	1	3		
54 Clerks.....	4, 472	1, 893	2, 579	1, 699	2, 432	184	140	9	5	1	2
55 Collectors.....	8	4	4	3	4	1					
56 Commercial travelers.....	812	762	50	668	48	88	1	4	1	2	
57 Credit men.....	78	75	3	68	3	7					
58 Messenger, errand, and office boys and girls.....	217	161	56	151	51	6	5	4			
59 Office appliance operators.....	106	6	100	6	98	2	2				
60 Purchasing agents.....	63	54	9	46	7	8					
61 Sales agents.....	24	16	8	13	8	3					
62 Salesmen and saleswomen.....	911	726	185	604	178	108	5	12	2	2	
63 Shipping clerks.....	1, 502	1, 386	116	1, 226	105	147	10	13	1		
64 Stenographers and typists.....	2, 087	50	2, 037	47	1, 920	3	116		1		
65 Weighers.....	27	22	5	21	5	1					
66 Carpenters.....	184	184		154		30					
67 Compositors, linotypers, and typesetters.....	27	21	6	21	6						
68 Electricians.....	168	167	1	148	1	19					
69 Engineers (stationary).....	293	293		229		58		4			2
70 Loom fixers.....	88	88		74		14					
71 Machinists.....	5, 573	3, 573		2, 999		500		11			3
72 Mechanics (not otherwise specified).....	1, 411	1, 411		1, 218		190		2			1
73 Millwrights.....	94	94		67		27					
74 Painters, glaziers, and varnishers (building).....	48	47	1	36	1	11					
75 Plumbers and gas and steam fitters.....	64	64		57		5		2			
76 Toolmakers and die setters and sinkers.....	23	23		18		5					
77 Other skilled trades.....	25	25		20		5					
78 Apprentices:											
79 Machinists' apprentices.....	60	60		54		6					
80 Other apprentices.....	796	732	64	703	61	28	3				1
81 Charwomen and cleaners.....	31	10	21	5	8	5	12		1		
82 Chauffeurs and truck and tractor drivers.....	329	329		292		16		21			
83 Dyers.....	1, 118	1, 102	16	820	16	225		56			1
84 Elevator tenders.....	80	80		60		27		2			
85 Firemen.....	450	450		306		84		60			

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

	INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
					Male	Female	Male	Female	Male	Female	Male	Female
	TEXTILE INDUSTRIES—Continued											
	Knitting mills—Continued.											
1	Guards, watchmen, and doorkeepers.....	737	733	4	556	2	161	2	15		1	
2	Janitors.....	272	247	25	120	15	70	5	57	5		
3	Laborers.....	9,412	5,884	3,528	4,835	3,210	734	175	312	130	3	4
4	Oilers of machinery.....	62	62		52		9		1			
5	Operatives.....	134,006	44,203	89,803	36,428	80,318	7,498	8,760	238	640	30	73
6	Porters.....	61	59	2	13	1	12		34	1		
7	All other occupations.....	39	25	14	21	11		2	4	1		
8	Lace and embroidery mills.....	16,336	7,798	8,538	3,318	6,112	4,450	2,283	25	111	5	32
9	Owners, operators, and proprietors.....	976	927	49	157	10	768	29			2	1
10	Managers and officials.....	300	262	38	127	23	135	15				
11	Foremen and overseers.....	422	211	211	91	150	120	60		1		
12	Designers.....	504	367	137	77	84	289	49		3	1	1
13	Draftsmen.....	72	69	3	19	3	50					
14	Other professional pursuits.....	10	7	3	2		5	3				
15	Accountants and auditors.....	14	10	4	7	4	3					
16	Bookkeepers and cashiers.....	240	63	177	42	145	21	32				
17	Clerks.....	558	253	305	202	254	50	47	1	4		
18	Commercial travelers.....	46	43	3	33	1	10	2				
19	Messenger, errand, and office boys and girls.....	85	73	12	62	9	10	1	1	2		
20	Office appliance operators.....	21	10	11	4	10	6	1				
21	Purchasing agents.....	10	6	4	4	3	2	1				
22	Salesmen and saleswomen.....	94	83	11	47	7	36	4				
23	Shipping clerks.....	150	137	22	102	20	34	2	1			
24	Stenographers and typists.....	197	5	192	5	175		17				
25	Other clerical pursuits.....	22	20	2	16	2	4					
26	Carpenters.....	11	11		9		2					
27	Electricians.....	14	14		12		2					
28	Engineers (stationary).....	32	32		18		14					
29	Loom fixers.....	24	24		16		8					
30	Machinists.....	164	164		74		90					
31	Mechanics (not otherwise specified).....	26	26		12		14					
32	Other skilled trades.....	21	21		17		4					
33	Apprentices.....	54	43	11	41	10	2	1				
34	Chauffeurs and truck and tractor drivers.....	30	39		30		0					
35	Dyers.....	70	68	2	41	1	25	1	2			
36	Firemen.....	33	33		19		14					
37	Guards, watchmen, and doorkeepers.....	79	79		37		41		1			
38	Laborers.....	569	444	125	316	113	125	12	3			
39	Operatives.....	11,417	4,217	7,196	1,661	5,060	2,548	2,005	10	101	2	30
40	All other occupations.....	53	33	20	18	19	9	1	6			
41	Rope and cordage factories.....	11,869	8,800	3,269	5,756	2,541	2,323	647	482	65	50	16
42	Owners, operators, and proprietors.....	114	112	2	92	2	20					
43	Managers and officials.....	299	293	6	253	6	40					
44	Foremen and overseers.....	527	475	52	367	49	105	3	3			
45	Chemists.....	12	12		10		2					
46	Draftsmen.....	13	13		13							
47	Mechanical engineers.....	13	13		13							
48	Other professional pursuits.....	16	8	8	7	5		3	1			
49	Accountants and auditors.....	45	42	3	40	3	2					
50	Agents (not elsewhere classified).....	23	21	2	20	2	1					
51	Bookkeepers and cashiers.....	156	75	81	71	78	4	3				
52	Clerks.....	449	278	171	247	162	30	8	1	1		
53	Commercial travelers.....	74	74		72		2					
54	Messenger, errand, and office boys and girls.....	17	15	2	12	2	2		1			
55	Purchasing agents.....	11	10	1	10	1						
56	Salesmen and saleswomen.....	91	91		86		5					
57	Shipping clerks.....	163	155	8	120	7	32	1	3			
58	Stenographers and typists.....	226	11	215	10	206	1	9				
59	Weighers.....	59	49	10	37	8	9	2	2		1	
60	Other clerical pursuits.....	19	19	9	10	9						
61	Blacksmiths.....	12	12		9		3					
62	Carpenters.....	47	47		30		17					
63	Electricians.....	25	25		23		2					
64	Engineers (stationary).....	61	61		53		8					
65	Loom fixers.....	11	11		6		5					
66	Machinists.....	433	433		316		104		13			
67	Mechanics (not otherwise specified).....	52	52		34		18					
68	Millwrights.....	26	26		22		4					
69	Painters, glaziers, and varnishers (building).....	19	19		11		7		1			
70	Plumbers and gas and steam fitters.....	18	18		14		4					
71	Other skilled trades.....	21	20	1	15	1	4		1			
72	Chauffeurs and truck and tractor drivers.....	88	88		71		10		7			
73	Firemen.....	67	67		43		24					
74	Guards, watchmen, and doorkeepers.....	95	95		68		26		1			
75	Janitors.....	30	26	4	12	2	7	2	6			
76	Laborers.....	2,921	2,632	289	1,635	186	828	83	231	18	38	2
77	Oilers of machinery.....	87	87		54		27		6			
78	Operatives.....	5,469	3,067	2,402	1,918	1,810	952	532	178	46	19	14
79	All other occupations.....	60	57	3	32	2	18	1	7			

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
2	7	2	1	9	27	19	1	31	6	171	2	239	1	40					1	
752	638	723	615	1,174	901	1,168	708	725	360	643	192	443	88	216	24	38		2	2	
8	13,729	8	13,774	12,631	24,161	11,089	19,995	5,803	10,420	2,405	4,995	1,154	2,037	300	574	51	59	23	59	
4,759	3	5,798	3	12,631	10	11,089	9	5,803	11	2,405	11	1,154	7	300	4	51	1	23	59	
3	1	3	1	10	4	9	1	11	7	11	3	7	3	4	2	1		1		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
500	1,070	378	1,089	810	2,049	1,047	2,138	1,941	1,194	1,482	657	755	249	270	69	33	7	2	8	
				8	2	162	10	377	17	206	13	87	4	25	3	2			9	
				10	2	68	18	84	8	57	8	30	2	5	7	1			10	
				8	33	35	72	63	53	58	32	38	8	7	1	1			11	
				3	5	17	28	80	49	127	27	87	17	35	8	15	3	2	12	
				2	3	11	2	11	2	22	1	16	12	2	2	2		1	13	
				1	1	1	3	1	3	1	1	4	4	4					14	
				1	2	2	2	2	4	1	2	1	1	1	1	1			15	
				13	75	20	42	42	10	6	5	6	1	2	2	1			16	
				80	98	56	79	34	35	15	15	9	2	6	1	1			17	
				2	1	10	1	10	9	1	1	11	2	11	2	6			18	
				1	1	1	1	1	1	1	1	1	1	1	1	1			19	
				2	2	2	2	2	2	2	2	2	2	2	2	2			20	
				2	2	2	2	2	2	2	2	2	2	2	2	2			21	
				13	4	25	4	19	3	12	2	8	1	1	1	1			22	
				40	6	21	3	10	3	6	1	8	1	2	2	2			23	
				2	2	6	46	46	6	6	6	2	6	1	1	1			24	
				3	1	6		5		3		2		1					25	
				1		1		3		3		1		2		1			26	
				5		5		5		5		1		1					27	
				7		7		7		7		11		11		9			28	
				9		9		9		9		5		5		4			29	
				2		2		2		2		17		17		6			30	
				2		2		2		2		3		3		3			31	
				2		2		2		2		8		8		1			32	
				7		7		7		7		4		4					33	
				12		12		12		12		3		3					34	
				15		15		15		15		7		7		1			35	
				1		1		1		1		11		11		3			36	
				1		1		1		1		7		7		1			37	
				5		5		5		5		13		13		17		2	37	
				6		6		6		6		8		8		48		1	38	
				7		7		7		7		54		54		25		3	38	
				8		8		8		8		8		8		1		7	39	
				3		3		3		3		1		1		0		1	40	
				308	340	492	418	1,162	777	1,910	763	1,838	572	1,459	275	997	94	387	21	44
				2		2		2		2		20		20		10		5		42
				4		4		4		4		1		1		22		1		43
				3		3		3		3		13		13		24		2		44
				6		6		6		6		1		1		1				45
				5		5		5		5		2		2		1				46
				6		6		6		6		2		2		1				47
				2		2		2		2		5		5		2		1		48
				3		3		3		3		6		6		4		3		49
				3		3		3		3		8		8		1		1		50
				19		19		19		19		10		10		3		1		51
				56		56		56		56		32		32		19		0		52
				4		4		4		4		13		13		10		4		53
				2		2		2		2		8		8		4		4		54
				1		1		1		1		1		1		1				55
				5		5		5		5		13		13		9		7		56
				1		1		1		1		14		14		14		6		57
				7		7		7		7		1		1		3		3		58
				2		2		2		2		8		8		1		1		59
				2		2		2		2		1		1		1		1		60
				1		1		1		1		3		3		4		4		61
				6		6		6		6		13		13		7		7		62
				2		2		2		2		5		5		1				63
				1		1		1		1		18		18		6		2		64
				1		1		1		1		3		3		3				65
				17		17		17		17		76		76		15		3		66
				8		8		8		8		12		12		4				67
				4		4		4		4		2		2		4		5		68
				2		2		2		2		5		5		3		3		69
				1		1		1		1		5		5		1		1		70
				1		1		1		1		5		5		1				71
				2		2		2		2		12		12		3				72
				5		5		5		5		18		18		10		2		73
				1		1		1		1		37		37		26		1		74
				1		1		1		1		5		5		7		7		75
				96		96		96		96		432		432		278		7		76
				1		1		1		1		14		14		8		4		77
				171		171		171		171		459		459		200		70		78
				11		11		11		11		12		12		7		8		79

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

	INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
					Male	Female	Male	Female	Male	Female	Male	Female
TEXTILE INDUSTRIES—Continued												
1	Sail, awning, and tent factories.....	8,311	5,015	2,300	4,071	2,089	1,113	275	113	10	18	13
2	Owners, operators, and proprietors.....	925	894	31	690	26	193	5	2			
3	Managers and officials.....	441	410	22	363	22	56					
4	Foremen and overseers.....	210	136	80	111	71	25	9				
5	Designers.....	10	9	1	5		4	1				
6	Other professional pursuits.....	4	4		3		1					
7	Accountants and auditors.....	20	16	4	14	4	2					
8	Agents (not elsewhere classified).....	14	14		13		1					
9	Bookkeepers and cashiers.....	232	49	173	43	160	6	13				
10	Canvassers.....	12	10	2	9		2					
11	Clerks.....	297	118	89	99	87	18	1	1			
12	Commercial travelers.....	127	127		119		8					
13	Salesmen and saleswomen.....	285	283	2	257		26					
14	Shipping clerks.....	71	70	1	58	1	10		2			
15	Stenographers and typists.....	213	4	209	4	202	7					
16	Other clerical pursuits.....	31	26	6	25	4	1	1				
17	Blacksmiths.....	28	28		17		11					
18	Carpenters.....	13	13		9		4					
19	Engineers (stationary).....	10	10		8		4					
20	Mechanists.....	49	40		38		11					
21	Mechanics (not otherwise specified).....	144	144		121		21					
22	Painters, glaziers, and varnishers (building).....	29	29		26		3					
23	Upholsterers.....	28	25	3	19	3	6					
24	Other skilled trades.....	29	29		24		5					
25	Apprentices.....	33	31	2	29	2	2					
26	Chauffeurs and truck and tractor drivers.....	98	98		74		10		14			
27	Laborers.....	721	661	60	541	54	77	3	34			
28	Operatives.....	4,275	2,569	1,706	1,914	1,447	596	236	48	15	9	1
29	All other occupations.....	50	53	3	31	2	12		10	1	8	13
30	Silk mills.....	171,140	87,001	83,239	61,400	71,780	25,824	11,133	619	300	29	11
31	Owners, operators, and proprietors.....	1,414	1,399	15	580	10	817	5			2	
32	Managers and officials.....	1,979	1,904	75	1,369	65	530	10	1		1	
33	Foremen and overseers.....	4,482	3,254	1,228	2,508	1,119	741	107	5	2		
34	Chemical engineers 1.....	14	14		13		1					
35	Chemists.....	200	187	13	150	9	30	4	1			
36	Civil engineers and surveyors.....	16	16		16							
37	Designers.....	201	219	72	113	63	105	8		1	1	
38	Draftsmen.....	53	52	1	39		13	1				
39	Electrical engineers.....	27	27		23		4					
40	Mechanical engineers 2.....	77	77		57		20					
41	Trained nurses.....	27		27		26		1				
42	Other professional pursuits.....	12	6	6	6	4		2				
43	Accountants and auditors.....	273	239	34	195	31	44	3				
44	Agents (not elsewhere classified).....	161	91	70	74	6	16	2		2	1	
45	Bookkeepers and cashiers.....	2,081	645	1,436	528	1,255	115	180		3	1	
46	Canvassers.....	18	9	9	8	6	1	3				
47	Clerks.....	5,010	2,863	2,178	2,421	2,030	429	147	8	1	4	2
48	Commercial travelers.....	271	259	12	197	12	60					
49	Credit men.....	65	62	3	57	3	5					
50	Messenger, errand, and office boys and girls.....	438	402	36	359	35	33		10			
51	Office-appliance operators.....	81	7	74	6	71	1	3				
52	Purchasing agents.....	103	90	13	72	12	18	1				
53	Salesmen and saleswomen.....	698	699	59	479	47	128	10	2		2	
54	Shipping clerks.....	1,338	1,226	112	1,020	101	183	11	23			
55	Stenographers and typists.....	1,824	73	1,751	68	1,651	5	100				
56	Welchers.....	147	85	62	69	59	10	3				
57	Other clerical pursuits.....	15	13	2	10	2	3					
58	Blacksmiths.....	40	40		31		9					
59	Brick and stone masons and tile layers.....	16	16		13		2		1			
60	Cabinetmakers.....	10	10		2		7					
61	Carpenters.....	433	433		338		94		1			
62	Compositors, linotypers, and typesetters.....	54	51	3	24	3	27					
63	Electricians.....	377	377		352		44		1			
64	Engineers (stationary).....	407	407		293		111		3			
65	Engravers.....	40	30	10	26		13		1			
66	Loom fixers.....	3,242	3,243	0	2,058	7	1,172	2			1	
67	Machinists.....	1,803	1,803		1,428		460		2		2	
68	Mechanics (not otherwise specified).....	1,554	1,554		1,441		112		3		2	
69	Millwrights.....	153	153		144		30		1			
70	Painters, glaziers, and varnishers (building).....	158	158		123		33		2			
71	Plumbers and gas and steam fitters.....	278	278		232		30					
72	Tinsmiths and sheet-metal workers.....	28	28		29		8					
73	Toolmakers and die setters and sinkers.....	18	18		12		6					
74	Other skilled trades.....	29	28	1	18	1	9		1			
75	Apprentices:											
76	Machinists' apprentices.....	65	65		59		6					
77	Other apprentices.....	229	174	55	160	61	14	4				
78	Charwomen and cleaners.....	20	6	14	2	8	3	5	1	1		
79	Chauffeurs and truck and tractor drivers.....	602	602		531		57		13		1	
80	Draymen and teamsters.....	40	40		29		10		1			

1 Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
TEXTILE INDUSTRIES—Continued											
Silk mills—Continued.											
1 Dyers.....	2,180	2,140	40	969	27	1,146	12	22	1	3	
2 Elevator tenders.....	100	98	2	59	1	88		1	1		
3 Firemen.....	611	611		353		235		23			
4 Guards, watchmen, and doorkeepers.....	1,010	1,008	2	657	1	338	1	13			
5 Janitors.....	305	286	19	152	13	79	3	55	3		
6 Laborers.....	11,078	8,920	2,158	6,438	1,902	2,100	187	320	65	2	4
7 Oilers of machinery.....	200	200		164		36					
8 Operatives.....	125,770	52,080	73,690	35,821	63,145	16,145	10,313	105	225	9	7
9 Porters.....	109	108	1	33		49		26			
10 All other occupations.....	36	20	16	18	12	2	3		1		
11 Textile dyeing, finishing, and printing mills.....	47,023	38,566	8,457	22,672	7,332	14,778	1,121	847	101	69	3
12 Owners, operators, and proprietors.....	315	304	11	160	9	134	2			4	
13 Managers and officials.....	676	653	23	494	21	159	2			1	
14 Foremen and overseers.....	1,908	1,787	121	1,245	106	530	15	5			
15 Chemical engineers ¹	13	13		11		2					
16 Chemists.....	396	302	4	313	4	79					
17 Designers.....	48	33	15	21	12	12	3				
18 Draftsmen.....	30	28	2	22	1	6	1				
19 Electrical engineers.....	20	20		18		2					
20 Mechanical engineers.....	51	51		44		7					
21 Trained nurses.....	10		10		8		2				
22 Other professional pursuits.....	9	9		8		1					
23 Accountants and auditors.....	92	75	17	66	17	9					
24 Agents (not elsewhere classified).....	50	47	3	37	3	10					
25 Bookkeepers and cashiers.....	690	204	486	167	438	36	46		2	1	
26 Canvassers.....	26	25	1	15	1	10					
27 Clerks.....	2,113	1,154	959	980	883	165	75	9	1		
28 Commercial travelers.....	35	35		29		6					
29 Messenger, errand, and office boys and girls.....	84	75	9	69	9	4		2			
30 Office appliance operators.....	22	4	18	3	17	1	1				
31 Purchasing agents.....	31	29	2	26	2	3					
32 Salesmen and saleswomen.....	132	112	20	83	19	29	1				
33 Shipping clerks.....	557	514	43	410	38	102	5	2			
34 Stenographers and typists.....	633	13	620	11	585	2	34		1		
35 Weighers.....	49	44	5	29	5	13		2			
36 Other clerical pursuits.....	9	8	1	5	1	3					
37 Blacksmiths.....	43	43		22		21					
38 Boilermakers.....	12	12		10		2					
39 Brick and stone masons and tile layers.....	39	39		25		14					
40 Carpenters.....	346	346		216		129		1			
41 Compositors, linotypers, and typesetters.....	57	54	3	39	3	15					
42 Coopers.....	15	15		10		4		1			
43 Electricians.....	223	223		191		32					
44 Engineers (stationary).....	355	355		241		110		4			
45 Engravers.....	225	204	21	135	17	69	4				
46 Loom fixers.....	15	15		5		10					
47 Machinists.....	798	798		514		276		8			
48 Mechanics (not otherwise specified).....	223	223		156		63		4			
49 Millwrights.....	154	154		104		50					
50 Painters, glaziers, and varnishers (building).....	127	125	2	80	2	44		1			
51 Plumbers and gas and steam fitters.....	273	273		197		75		1			
52 Tinsmiths and sheet-metal workers.....	42	42		29		13					
53 Toolmakers and die setters and sinkers.....	30	30		19		11					
54 Other skilled trades.....	11	11		6		5					
55 Apprentices.....	137	131	6	113	5	18	1				
56 Chauffeurs and truck and tractor drivers.....	595	595		467		112		14		2	
57 Draymen and teamsters.....	88	88		58		27		3			
58 Dyers.....	6,973	6,906	67	3,104	41	3,671	21	97	5	34	
59 Elevator tenders.....	73	72	1	30		33	1				
60 Firemen.....	470	470		200		236		33		1	
61 Guards, watchmen, and doorkeepers.....	351	350	1	172	1	176		2			
62 Janitors.....	79	78	1	27	1	37		14			
63 Laborers.....	7,571	7,257	314	3,884	205	2,874	37	480	12	19	
64 Oilers of machinery.....	42	42		28		14					
65 Operatives.....	19,613	13,947	5,666	8,492	4,716	5,295	867	153	80	7	3
66 Porters.....	20	20		5		4		11			
67 All other occupations.....	24	19	5	12	2	7	3				
68 Woolen and worsted mills.....	144,513	89,842	54,671	54,202	35,809	35,091	13,954	433	179	116	4,929
69 Owners, operators, and proprietors.....	788	746	12	553	8	192	4			1	
70 Managers and officials.....	1,895	1,870	25	1,433	23	437	2			1	
71 Foremen and overseers.....	4,641	4,388	253	2,771	207	1,611	44	5	2		
72 Chemists.....	85	80	5	67	4	13	1				
73 Designers.....	387	372	15	263	13	109	2				
74 Draftsmen.....	24	21	3	17	3	4					
75 Electrical engineers.....	21	21		15		6					
76 Mechanical engineers.....	46	46		30		10					
77 Trained nurses.....	25		25		21		4				
78 Other professional pursuits.....	14	14		10		4					

¹ Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
TEXTILE INDUSTRIES—Continued											
Woolen and worsted mills—Continued.											
1 Accountants and auditors.....	269	247	22	213	22	34					
2 Agents (not elsewhere classified).....	182	180	2	129	2	51					
3 Bookkeepers and cashiers.....	1,483	675	908	469	821	106	87				
4 Clerks.....	3,285	2,055	1,230	1,057	1,105	395	124	3	1		
5 Commercial travelers.....	356	351	5	301	4	50	1				
6 Credit men.....	63	60	3	48	3	12					
7 Messenger, errand, and office boys and girls.....	166	148	18	131	18	13		4			
8 Office appliance operators.....	22	2	20	2	17		3				
9 Purchasing agents.....	108	104	4	88	4	16					
10 Sales agents.....	23	23		17		6					
11 Salesmen and saleswomen.....	568	537	31	423	28	112	3				2
12 Shipping clerks.....	1,294	1,262	32	941	26	315	6	6			
13 Stenographers and typists.....	1,179	49	1,130	41	1,050	7	80				1
14 Weighers.....	102	178	14	132	13	45	1				
15 Other clerical pursuits.....	9	9		8		1					
16 Blacksmiths.....	55	55		19		36					
17 Brick and stone masons and tile layers.....	24	24		7		17					
18 Cabinetmakers.....	10	10		4		6					
19 Carpenters.....	509	509		259		250					
20 Electricians.....	270	270		215		55					
21 Engineers (stationary).....	564	564		363		197		3			1
22 Loom fixers.....	2,078	2,078		1,146		930		2			
23 Machinists.....	1,697	1,697		1,031		657		0			
24 Mechanics (not otherwise specified).....	534	534		373		154		2			
25 Millwrights.....	349	349		225		122		2			
26 Painters, glaziers, and varnishers (building).....	156	156		105		51					
27 Plumbers and gas and steam fitters.....	166	166		110		55		1			
28 Tinsmiths and sheet metal workers.....	38	38		18		20					
29 Toolmakers and die setters and sinkers.....	15	15		10		5					
30 Other skilled trades.....	37	34	3	18	3	14		2			
31 Apprentices.....	102	99	3	91	3	7		1			
32 Charwomen and cleaners.....	29	7	22	4	4	1	14	2	4		
33 Chauffeurs and truck and tractor drivers.....	528	528		404		111		12			1
34 Daymen and teamsters.....	146	146		100		45		1			
35 Dyers.....	1,954	1,945	9	1,012	5	926	4	7			
36 Elevator tenders.....	230	229	1	91	1	137		1			
37 Firemen.....	977	977		515		451		11			
38 Guards, watchmen, and doorkeepers.....	897	896	1	493	1	424		9			
39 Janitors.....	140	128	12	52	7	62	5	13			1
40 Laborers.....	13,753	11,955	1,798	6,138	1,104	5,562	639	210	40	45	0
41 Oilers of machinery.....	285	285	1	196	1	88		1			
42 Operatives.....	101,821	52,761	49,060	31,442	31,080	21,145	12,928	111	123	63	4,923
43 Porters.....	38	38		11		11		14			
44 All other occupations.....	15	11	4	8	2	3	2				
45 Other and not specified textile mills.....	194,607	80,838	53,769	54,128	41,880	24,091	9,924	2,462	1,666	150	269
46 Owners, operators, and proprietors.....	2,877	2,749	128	1,519	103	1,228	25	2			
47 Managers and officials.....	3,498	3,307	191	2,657	166	650	25				
48 Foremen and overseers.....	4,736	3,788	948	2,726	793	1,035	152	26	2	1	1
49 Chemical engineers ¹	20	20		18		2					
50 Chemists.....	423	412	11	333	10	78	1	1			
51 Civil engineers and surveyors.....	22	22		20		2					
52 Designers.....	1,677	771	906	445	706	325	194		5	1	1
53 Draftsmen.....	151	147	4	121	4	26					
54 Electrical engineers.....	31	31		29		2					
55 Mechanical engineers ²	190	190		154		36					
56 Trained nurses.....	32	1	31	1	24		7				
57 Other professional pursuits.....	16	9	7	8	7	1					
58 Accountants and auditors.....	532	481	51	409	50	72	1				
59 Advertising agents.....	39	31	8	31	8						
60 Agents (not elsewhere classified).....	291	264	27	215	26	47	1	2			
61 Bookkeepers and cashiers.....	2,338	735	1,605	664	1,350	118	253		2	1	
62 Canvassers.....	30	22	8	18	6	4	2				
63 Clerks.....	5,796	3,205	2,593	2,738	2,357	443	223	20	10	2	3
64 Collectors.....	9	9		7		2					
65 Commercial travelers.....	665	633	12	597	9	85	3	1			
66 Credit men.....	107	100	7	86	6	14	1				
67 Messenger, errand, and office boys and girls.....	351	308	43	266	38	27	1	15	4		
68 Office appliance operators.....	71	11	60	8	52	3	8				
69 Purchasing agents.....	239	206	33	171	28	35	5				
70 Sales agents.....	36	36		17		4					
71 Salesmen and saleswomen.....	939	889	50	745	41	142	0	1			1
72 Shipping clerks.....	1,939	1,861	78	1,469	66	348	11	43	1		1
73 Stenographers and typists.....	2,686	107	2,579	99	2,404	8	172	1	1		2
74 Weighers.....	43	43		32		8		2			
75 Blacksmiths.....	69	69		34		35					
76 Brick and stone masons and tile layers.....	20	20		11		9					
77 Cabinetmakers.....	22	22		11		11					
78 Carpenters.....	460	460		302		152		6			
79 Compositors, linotypers, and typesetters.....	133	115	18	101	17	10	1	3			1
80 Cranemen, derrickmen, hoistmen, etc.....	20	20		22		6		1			
81 Electricians.....	361	361		298		62		1			
82 Engineers (stationary).....	648	648		471		171		0			

¹ Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

	INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
					Male	Female	Male	Female	Male	Female	Male	Female
TEXTILE INDUSTRIES—Continued												
Other and not specified textile mills—Contd.												
1	Engravers.....	201	187	14	124	11	63	3				
2	Loom fixers.....	1,334	1,332	2	815	3	517					
3	Machinists.....	3,002	3,002		2,138		837		19		8	
4	Mechanics (not otherwise specified).....	695	695		410		172		11		2	
5	Millwrights.....	240	240		169		71					
6	Painters, glaziers, and varnishers (building).....	314	308	6	221	4	85				2	2
7	Plumbers and gas and steam fitters.....	247	247		109		45		3			
8	Tinsmiths and sheet-metal workers.....	48	48		32		10					
9	Toolmakers and die setters and sinkers.....	66	66		45		21					
10	Upholsterers.....	121	110	11	74	8	33	3				
11	Other skilled trades.....	27	27		19		8		3			
Apprentices:												
12	Designers' and draftsmen's apprentices.....	30	14	16	13	13	1	3				
13	Machinists' apprentices.....	33	33		30		2				1	
14	Other apprentices.....	150	135	15	127	10	8	2				
15	Charwomen and cleaners.....	44	9	35	4	19	4	11		5		3
16	Chauffeurs and truck and tractor drivers.....	692	691	1	549	1	82		60			
17	Draymen and teamsters.....	97	97		62		23		12			
18	Dyers.....	1,187	1,169	18	710	11	444	7	12		3	
19	Elevator tenders.....	169	167	2	99	2	67		1			
20	Fireman.....	569	569		265		266		38			
21	Guards, watchmen, and doorkeepers.....	696	696		432		249		15			
22	Janitors.....	191	176	15	78	5	54	2	43	8	1	
23	Laborers.....	13,199	11,484	1,715	6,800	1,084	3,366	192	1,267	427	51	12
24	Operators of machinery.....	226	224	2	169	2	51		4			
25	Operatives.....	79,387	36,898	42,489	23,659	32,415	12,380	8,601	770	1,228	80	245
26	Porters.....	113	112	1	21		25		64	1	2	
27	All other occupations.....	26	9	17	9	12		4	1			
MISCELLANEOUS MANUFACTURING INDUSTRIES												
28	Broom and brush factories.....	18,873	15,718	3,155	12,088	2,716	2,801	335	666	100	193	4
29	Owners, operators, and proprietors.....	1,014	906	18	753	13	224	5	14		5	
30	Managers and officials.....	739	723	16	642	15	80	1			1	
31	Foremen and overseers.....	405	408	57	336	52	71	5			1	
32	Draftsmen.....	12	12		11		1					
33	Mechanical engineers.....	11	11		8		3					
34	Other professional pursuits.....	17	11	6	8	5	3	1				
35	Accountants and auditors.....	54	46	8	40	8	6					
36	Agents (not elsewhere classified).....	70	69	1	66	1	3					
37	Bookkeepers and cashiers.....	303	101	202	89	101	10	10		1	2	
38	Canvassers.....	265	255	10	228	10	26					
39	Clerks.....	549	298	256	288	239	81	17	1		3	
40	Commercial travelers.....	622	618	4	567	3	48	1	3			
41	Messenger, errand, and office boys and girls.....	35	33	2	31	2	1		1			
42	Office appliance operators.....	21	18	3	18	2	1					
43	Purchasing agents.....	18	18		18							
44	Salesmen and saleswomen.....	1,006	987	19	892	16	83	3	6		6	
45	Shipping clerks.....	241	232	9	202	9	29		1			
46	Stenographers and typists.....	377	8	369	8	349	3	19				1
47	Weighers.....	13	11	2	2	9	1			1		
48	Other clerical pursuits.....	20	23	3	21	3	2					
49	Carpenters.....	22	22		15		7					
50	Compositors, linotypers, and typesetters.....	13	12	1	10		1					
51	Electricians.....	16	16		15		1					
52	Engineers (stationary).....	42	42		38		4					
53	Machinists.....	285	285		214		71					
54	Mechanics (not otherwise specified).....	74	74		57		14					
55	Millwrights.....	14	14		12		2		3			
56	Sawyers.....	15	15		12		2					
57	Toolmakers and die setters and sinkers.....	27	27		13		12		1			
58	Other skilled trades.....	18	18		12		6		2			
59	Apprentices.....	35	34	1	33		1					
60	Chauffeurs and truck and tractor drivers.....	91	91		74		4		11		1	
61	Firemen.....	36	36		22		12		2		2	
62	Guards, watchmen, and doorkeepers.....	51	51		37		14					
63	Janitors.....	33	31	2	16	1	5	1	10			
64	Laborers.....	2,587	2,370	217	1,096	167	359	27	251	23	64	
65	Operatives.....	9,521	7,622	1,899	5,534	1,584	1,638	239	341	73	109	3
66	Painters, glaziers, and varnishers (factory).....	92	73	19	56	16	13	3	4			
67	All other occupations.....	43	39	4	17	1	8	2	14	1		
68	Button factories.....	11,840	7,538	3,802	6,402	3,135	2,008	554	64	104	4	9
69	Owners, operators, and proprietors.....	241	239	2	112	2	127					
70	Managers and officials.....	210	207	3	151	3	56					
71	Foremen and overseers.....	337	261	76	199	60	62	13		3		
72	Chemists.....	13	13		8		5					
73	Other professional pursuits.....	13	13	1	13			1				

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
MISCELLANEOUS MANUFACTURING INDUSTRIES—Continued											
Button factories—Continued.											
1 Accountants and auditors.....	22	17	5	13	5	4					
2 Bookkeepers and cashiers.....	141	37	104	32	92	5	12				
3 Clerks.....	292	133	159	111	130	22	10				
4 Commercial travelers.....	51	51		43	7						
5 Messenger, errand, and office boys and girls.....	65	59	6	51	5	5			1		
6 Purchasing agents.....	14	14		12	2						
7 Salesmen and saleswomen.....	68	66	2	46	2	21					
8 Shipping clerks.....	110	91	19	72	16	17		2	2	1	
9 Stenographers and typists.....	184	8	131	3	123						
10 Weighers.....	17	8	9	3	9						
11 Other clerical pursuits.....	19	18	1	15	1	3					
12 Blacksmiths.....	12	12		7		5					
13 Carpenters.....	11	11		8		3					
14 Electricians.....	11	11		9		2					
15 Engineers (stationary).....	38	38		22		16					
16 Machinists.....	343	343		225		117			1		
17 Mechanics (not otherwise specified).....	40	40		28		12					
18 Millwrights.....	17	17		15		2					
19 Sawyers.....	60	57	3	38	3	19					
20 Toolmakers and die setters and sinkers.....	101	101		74		27					
21 Other skilled trades.....	32	31	1	24	1	7					
22 Chauffeurs and truck and tractor drivers.....	28	28		26		1			1		
23 Dyers.....	42	39	3	24	1	13		2			
24 Firemen.....	31	31		17		14					
25 Guards, watchmen, and doorkeepers.....	38	38		21		17					
26 Laborers.....	1,129	940	189	695	149	225	32	18	5	2	3
27 Operatives.....	7,565	4,406	3,059	3,231	2,509	1,233	463	30	91	2	0
28 Painters, glaziers, and varnishers (factory).....	43	30	13	22	11	8			1		
29 All other occupations.....	51	45	6	20	4	10	1	6	1		
30 Electric light and power plants.....	289,255	280,345	23,910	219,944	27,686	31,708	1,150	7,598	57	1,095	17
31 Owners, operators, and proprietors.....	120	125	4	109	4	14		1		1	
32 Managers and officials.....	10,079	10,610	169	9,916	162	591	7	1		2	
33 Foremen and overseers.....	8,951	8,885	66	7,790	50	1,051	7	33		11	
34 Chemical engineers ¹	52	52		48		3					1
35 Chemists.....	276	272	4	250	4	19		3			
36 Civil engineers and surveyors.....	1,991	1,991		1,808		179		3			1
37 Designers.....	32	32		24		8					
38 Draftsmen.....	2,254	2,217	37	1,917	33	205	4				5
39 Electrical engineers.....	9,002	8,999	3	8,149	3	825		17			8
40 Lawyers.....	147	145	2	139	2	6					
41 Mechanical engineers ²	1,312	1,312		1,149		161		1			1
42 Photographers.....	29	29		24		5					
43 Social and welfare workers.....	17	11	6	10	6	1					
44 Trained nurses.....	32	2	30	2	26		4				
45 Accountants and auditors.....	4,362	3,990	362	3,734	351	253	11				3
46 Advertising agents.....	151	135	16	130	15	5					
47 Agents (not elsewhere classified).....	1,579	1,534	45	1,440	43	91		2			1
48 Bookkeepers and cashiers.....	12,622	5,685	6,937	5,408	6,732	268	195	3			6
49 Canvasers.....	6,572	6,237	335	5,814	323	414	12	5			4
50 Clerks.....	31,384	21,728	9,656	20,251	9,226	1,411	426	41	3	25	1
51 Collectors.....	1,643	1,586	57	1,466	57	118		1			1
52 Commercial travelers.....	394	392	2	381	2	10					1
53 Credit men.....	316	301	15	285	15	16					
54 Messenger, errand, and office boys and girls.....	790	735	55	671	52	40	3	23			1
55 Office appliance operators.....	620	96	524	90	488	6	34				1
56 Purchasing agents.....	485	473	12	444	12	29					
57 Sales agents.....	15	15		14		1					
58 Salesmen and saleswomen.....	1,092	1,003	89	959	85	41	1	2			1
59 Shipping clerks.....	207	259	8	226	6	27		2			
60 Stenographers and typists.....	10,610	497	10,143	444	9,774	20	361	6	2	3	1
61 Other clerical pursuits.....	38	33	5	27	5	3		3			
62 Blacksmiths.....	412	412		241		159		6			6
63 Boilermakers.....	514	514		358		119		10			2
64 Brick and stone masons and tile layers.....	241	241		142		98		4			2
65 Cabinetmakers.....	41	41		24		17					
66 Carpenters.....	1,332	1,332		1,060		309		11			2
67 Cement finishers.....	55	55		33		21		1			
68 Compositors, linotypers, and typesetters.....	51	45	8	38	7	5					
69 Cranemen, derrickmen, hoistmen, etc.....	524	524		441		72		10			1
70 Electricians.....	52,095	51,996	9	46,774	8	4,856	1	263			113
71 Engineers (stationary).....	11,414	11,413	1	9,532	1	1,483		74			24
72 Forgemongers and hammermen.....	12	12		9		3					
73 Machinists.....	4,392	4,392		3,274		1,080		33			6
74 Mechanics (not otherwise specified).....	5,186	5,186		4,342		741		74			29
75 Millwrights.....	150	150		116		34					
76 Painters, glaziers, and varnishers (building).....	178	175	3	135		39		3			1
77 Pattern and model makers.....	31	31		20		11					
78 Plumbers and gas and steam fitters.....	2,100	2,100		1,742		314		35			9
79 Sawyers.....	10	10		10							
80 Structural iron workers (building).....	49	49		41		7					1
81 Tinsmiths and sheet-metal workers.....	123	123		77		46					
82 Toolmakers and die setters and sinkers.....	280	280		191		89					
83 Other skilled trades.....	25	24	1	21		2		1			

¹ Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
MISCELLANEOUS MANUFACTURING INDUSTRIES—Continued											
Electric light and power plants—Continued.											
Apprentices:											
1 Electricians' apprentices.....	485	485		460		19		2		4	
2 Machinists' apprentices.....	53	53		49		3				1	
3 Other apprentices.....	217	210	1	205	1	8		2		1	
4 Charwomen and cleaners.....	99	21	73	3	32	9	26		20		
5 Chauffeurs and truck and tractor drivers.....	5,170	5,173	3	4,536	1	380	2	184		23	
6 Draymen and teamsters.....	263	263		222		25		15		1	
7 Elevator tenders.....	174	137	37	63	20	40	5	12	12	1	2
8 Enamellers, lacquerers, and japanners.....	1	1		1							
9 Firemen.....	5,096	5,096		3,431		1,159		431		28	5
10 Guards, watchmen, and doorkeepers.....	1,741	1,733	3	1,224	1	405	1	44	1	5	
11 Housekeepers and stewards ¹	1,44	10	34	7	24	2	8	4	2		
12 Janitors.....	1,640	1,454	86	622	41	432	34	388	11	12	
13 Laborers.....	35,065	35,050	15	22,062	12	8,115	1	4,850	2	623	13
14 Oilers of machinery.....	1,425	1,425		1,064		309		40		1	
15 Operatives.....	49,269	49,218	51	43,278	50	5,134	1	606		110	1
16 Painters, glaziers, and varnishers (factory).....	459	458	1	345	1	107		5		1	
17 Policemen.....	140	140		118		22					
18 Porters.....	399	399		64		71		263		1	
19 Electrical machinery and supply factories.....	388,570	298,393	85,187	233,900	75,192	60,865	9,769	2,919	176	609	50
20 Owners, operators, and proprietors.....	2,902	2,872	30	2,328	27	535	3	5		4	
21 Managers and officials.....	10,430	10,212	268	9,212	249	909	19			3	
22 Foremen and overseers.....	12,855	11,048	1,207	9,006	1,059	1,931	135	18	3		
23 Chemical engineers ²	177	177		162		15					
24 Chemists.....	785	760	25	664	22	94	3	1		1	
25 Civil engineers and surveyors.....	441	441		375		65				1	
26 Designers.....	519	498	21	308	19	102	2				
27 Draftsmen.....	5,731	5,626	105	4,610	61	1,012	13	2	1	2	
28 Electrical engineers.....	9,521	9,500	12	8,379	12	1,104	1	8		18	
29 Lawyers.....	1,155	153	2	146	2	7					
30 Mechanical engineers ³	2,387	2,386	1	1,068	1	412		1		5	
31 Photographers.....	90	86	4	75	4	10		1			
32 Social and welfare workers.....	25	14	11	13	9	1	2				
33 Trained nurses.....	106	13	93	10	83	3	10				
34 Accountants and auditors.....	3,584	3,318	266	3,042	256	276	10				
35 Advertising agents.....	394	362	32	341	31	21	1				
36 Agents (not elsewhere classified).....	1,257	1,213	44	1,105	42	101	2	3		4	
37 Bookkeepers and cashiers.....	7,613	2,957	4,056	2,704	4,327	251	324	1	3	1	2
38 Canvassers.....	350	324	26	284	25	40	1				
39 Clerks.....	37,319	23,552	13,767	21,172	12,813	2,324	641	50	10	6	3
40 Collectors.....	234	278	6	200	6	16		2			
41 Commercial travelers.....	4,580	4,550	30	4,264	27	283	3	1		2	
42 Credit men.....	4,394	4,370	24	347	23	23	1				
43 Messenger, errand, and office boys and girls.....	1,389	1,264	125	1,189	121	60	3	15	1		
44 Office appliance operators.....	1,100	130	970	130	909	9	61				
45 Purchasing agents.....	918	882	36	835	35	47	1				
46 Sales agents.....	103	99	4	92	4	7					
47 Salesmen and saleswomen.....	7,570	7,340	230	6,770	212	555	18	12		3	
48 Shipping clerks.....	4,251	4,174	107	3,430	97	676	10	65		3	
49 Stenographers and typists.....	13,905	434	13,471	408	12,779	28	687	3			2
50 Weighers.....	85	66	19	47	18	15	1	4			
51 Blacksmiths.....	377	377		156		217		2		2	
52 Boiler-makers.....	154	154		89		65					
53 Brick and stone masons and tile layers.....	120	129		56		69		3		1	
54 Cabinetmakers.....	1,565	1,565		741		814		2		8	
55 Carpenters.....	1,476	1,475	1	882	1	585		5		3	
56 Cement finishers.....	10	10		3		7					
57 Compositors, linotypers, and typesetters.....	263	237	26	200	26	36		1			
58 Coppersmiths.....	30	30		14		15		1			
59 Cranemen, derrickmen, hoistmen, etc.....	854	853	1	498	1	334		21			
60 Electricians.....	28,412	28,401	11	24,266	10	3,897	1	169		69	
61 Engineers (stationary).....	4,718	4,715	3	3,961	3	727		18		9	
62 Engravers.....	97	82	15	63	13	19	2				
63 Forgemen and hammermen.....	104	104		65		39					
64 Glass blowers.....	259	244	15	183	14	60	1	1			
65 Jewelers and lapidaries (factory).....	19	13	6	9	6	4	1				
66 Machinists.....	21,699	21,699		14,929		6,704		47		25	
67 Mechanics (not otherwise specified).....	9,460	9,452	8	7,433	6	1,919	2	81		19	
68 Millwrights.....	1,012	1,012		735		277					
69 Molders, founders, and casters (metal):											
Brass molders, founders, and casters.....	23	23		12		11					
Iron molders, founders, and casters.....	92	92		46		44		1		1	
Other molders, founders, and casters.....	1,721	1,718	3	858	1	783	2	44		3	
70 Painters, glaziers, and varnishers (building).....	54	54		43		9				2	
71 Pattern and model makers.....	855	855		613		242					
72 Plumbers and gas and steam fitters.....	1,108	1,108		891		209		6		2	
73 Rollers and roll hands.....	30	30		20		10					
74 Sawyers.....	129	129		97		32					
75 Skilled occupations (not elsewhere classified) ⁴	147	147		105		42					
76 Structural iron workers (building).....	31	31		24		6				1	
77 Tinsmiths and sheet-metal workers.....	879	879		601		276				2	
78 Toolmakers and die setters and sinkers.....	6,479	6,477	2	4,314	2	2,158		1		4	
79 Other skilled trades.....	26	25	1	13	1	12					

¹ Includes hostesses and matrons.

² Included, in other occupation tables, in the group "Mining engineers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits)

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
																				1
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																				81

* Includes, also, all technical engineers not elsewhere classified.

* Most of these were returned as metal "annealers," "hardeners," "testers," or "treaters."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
MISCELLANEOUS MANUFACTURING INDUSTRIES—Continued											
Electrical machinery and supply factories—Continued.											
Apprentices:											
1 Designers' and draftsmen's apprentices.....	188	186	2	170	2	10					
2 Electricians' apprentices.....	751	749	2	708	2	36		4		1	
3 Machinists' apprentices.....	492	490	2	456	2	33		1			
4 Other apprentices.....	1,778	1,751	27	1,626	24	107	3	10		8	
5 Buffers and polishers (metal).....	1,243	1,170	73	749	58	419	13	2	2		
6 Charwomen and cleaners.....	96	33	63	16	16	37		1	10		
7 Chauffeurs and truck and tractor drivers.....	2,052	2,048	4	2,181	3	359	1	105		3	
8 Draymen and teamsters.....	125	125		97		24		4			
9 Elevator tenders.....	335	317	18	173	15	132	1	12	1		1
10 Enamellers, lacquerers, and japanners.....	273	242	31	192	23	50	8				
11 Fillers (metal).....	172	160	13	106	13	52		1			
12 Firemen.....	818	818		477		302		89			
13 Furnace men, smelter men, and pourers.....	117	117		63		51		3			
14 Grinders (metal).....	971	935	36	689	25	243	10	3	1		
15 Guards, watchmen, and doorkeepers.....	1,553	1,547	6	1,022	5	508	1	17			
16 Heaters (metal).....	35	35		25		9		1			
17 Housekeepers and stewards ¹	136	10	126	7	76	2	48		2		
18 Janitors.....	1,085	997	88	407	37	419	45	171			
19 Laborers.....	36,885	33,345	3,540	20,003	2,957	11,808	548	1,275	27	100	8
20 Oilers of machinery.....	285	284	1	180	1	91		12		1	
21 Operatives.....	117,327	72,012	45,315	50,003	38,403	14,753	6,774	473	104	183	34
22 Painters, glaziers, and varnishers (factory).....	2,048	1,893	155	1,333	134	538	19	16	2	0	
23 Policemen.....	247	247		190		57					
24 Porters.....	419	419		103		140		175		1	
25 All other occupations.....	18	17	1	13		4	1				
26 Independent hand trades.....	860,329	159,293	201,036	85,072	140,147	65,027	31,620	6,565	20,965	2,029	2,304
27 Blacksmiths.....	41,456	41,448	8	31,000	6	7,152	2	2,052		284	
28 Cabinetmakers.....	115	115		93		27		4		1	
29 Carpenters.....	286	286		226		55		5			
30 Coppersmiths.....	23	23		8		12		1			
31 Engravers.....	10	10		1		1				1	
32 Goldsmiths and silversmiths.....	143	143		33		9		2		90	
33 Jewelers and watchmakers (not in factory).....	27,125	26,573	552	17,875	421	8,210	123	216	5	272	3
34 Machinists.....	23	23		20		3					
35 Mechanics (not otherwise specified).....	226	226		176		40		9		1	
36 Piano and organ tuners.....	6,102	6,083	19	4,073	19	1,013		78		10	
37 Shoemakers and cobblers (not in factory).....	76,383	76,127	256	25,834	170	44,849	67	4,129	21	1,315	3
38 Skilled occupations (not elsewhere classified) ²	32	31	1	18	1	13		40		8	
39 Tinsmiths and sheet-metal workers.....	2,536	2,536		1,029		550		3	2		
40 Upholsterers.....	69	65	4	50	2	12		3			
41 Other skilled trades.....	51	51		34		15		1		1	
Apprentices:											
42 Blacksmiths' apprentices.....	175	175		158		8		9			
43 Dressmakers' and milliners' apprentices.....	2,181	20	2,161	16	1,778	4	260		63		60
44 Jewelers', watchmakers', goldsmiths', and silversmiths' apprentices.....	31	31		27		3				1	
45 Other apprentices.....	8	8		8							
46 Dressmakers and seamstresses (not in factory).....	158,380	462	157,928	123	112,839	312	22,571	6	20,433	11	2,085
47 Grinders (metal).....	21	21		12		9					
48 Milliners and millinery dealers.....	44,948	4,846	40,102	2,099	30,911	2,721	8,597	10	441	10	153
49 Rubber factories.....	108,391	180,784	35,607	96,014	29,949	30,402	5,525	3,403	89	305	44
50 Owners, operators, and proprietors.....	1,001	985	16	806	16	176		3			
51 Managers and officials.....	4,080	3,993	87	3,672	81	321	6				
52 Foremen and overseers.....	5,582	5,074	508	4,202	439	765	68	6	1	1	
53 Chemical engineers ³	165	164	1	147	1	17					
54 Chemists.....	1,018	1,007	11	912	10	95	1				
55 Civil engineers and surveyors.....	67	67		62		5					
56 Designers.....	100	92	8	80	8	12					
57 Draftsmen.....	354	353	1	280	1	73					
58 Electrical engineers.....	96	96		80		16					
59 Lawyers.....	38	35	3	35	3						
60 Mechanical engineers ⁴	619	619		546		73					
61 Photographers.....	10	10		9		1					
62 Social and welfare workers.....	4	2	2	2	2						
63 Trained nurses.....	62	2	60	2	52		8				
64 Accountants and auditors.....	1,506	1,399	107	1,303	103	96	4				
65 Advertising agents.....	149	137	12	131	11	6	1				
66 Agents (not elsewhere classified).....	466	449	17	400	17	40					
67 Bookkeepers and cashiers.....	2,582	1,054	1,528	974	1,446	78	81	1		1	1
68 Canvassers.....	25	15	10	14	10	1					
69 Clerks.....	10,106	6,538	3,568	5,909	3,381	605	186	18		6	1
70 Collectors.....	23	20	3	18	3	2					
71 Commercial travelers.....	1,658	1,647	11	1,595	11	77		4		1	
72 Credit men.....	311	299	12	274	12	25					
73 Messenger, errand, and office boys and girls.....	307	282	25	250	23	29	2	2		1	
74 Office appliance operators.....	598	44	459	39	438	5	21				
75 Purchasing agents.....	260	252	8	235	8	17					
76 Sales agents.....	22	21	1	17	1	3					

¹ Includes hostesses and matrons.² Most of those were returned as "wood carvers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
MISCELLANEOUS MANUFACTURING INDUSTRIES—Continued											
Rubber factories—Continued.											
1 Salesmen and saleswomen.....	2,174	2,138	36	1,995	34	140	1	2	1	1	
2 Shipping clerks.....	2,271	2,204	67	1,832	62	345	5	25		2	
3 Stenographers and typists.....	4,448	175	4,273	169	4,055	6	213		3		2
4 Weighers.....	192	185	7	139	6	40	1	6			
5 Blacksmiths.....	161	161		75		83		3			
6 Boilermakers.....	23	23		16		7					
7 Brick and stone masons and tile layers.....	43	43		26		16		1			
8 Cabinetmakers.....	19	19		12		7					
9 Carpenters.....	559	559		367		191		1			
10 Compositors, linotypers, and typesetters.....	395	275	120	242	112	33	8				
11 Cranemen, derrickmen, hoistmen, etc.....	68	68		59		8		1			
12 Electricians.....	915	915		792		120		3			
13 Engineers (stationary).....	1,148	1,148		955		188		4			1
14 Engravers.....	110	109	1	88	1	21					
15 Machinists.....	4,665	4,665		3,232		1,404		24		5	
16 Mechanics (not otherwise specified).....	1,206	1,205	1	968	1	201		20		7	
17 Millwrights.....	482	482		350		132					
18 Pattern and model makers.....	144	141	3	109	3	32					
19 Plumbers and gas and steam fitters.....	805	805		653		148		4			
20 Sawyers.....	20	20		18		2					
21 Tinsmiths and sheet-metal workers.....	144	144		106		38					
22 Toolmakers and die setters and sinkers.....	300	300		229		71					
23 Other skilled trades.....	27	26	1	17	1	9					
24 Apprentices:											
25 Machinists' apprentices.....	47	47		41		5		1			
26 Other apprentices.....	91	84	7	75	7	8				1	
27 Charwomen and cleaners.....	28	4	24	2	6	2	17		1		
28 Chauffeurs and truck and tractor drivers.....	1,267	1,267		1,007		160		97		3	
29 Draymen and teamsters.....	72	72		58		11		3			
30 Elevator tenders.....	365	360	5	178	3	135	1	47	1		
31 Firemen.....	683	683		418		225		40			
32 Guards, watchmen, and doorkeepers.....	697	696	1	445	1	237		13		1	
33 Janitors.....	753	712	41	100	11	192	27	360	3		
34 Laborers.....	29,123	25,980	3,143	15,569	2,533	8,709	574	1,520	30	182	0
35 Operatives.....	234	234		153		80				1	
36 Painters, glaziers, and varnishers (factory).....	80,835	59,546	21,289	43,597	16,917	14,732	4,289	1,060	49	151	34
37 Policemen.....	456	346	110	244	104	92	0	10			
38 Porters.....	150	150		141		9					
39 All other occupations.....	118	118		23		17		78			
	39	19	20	11	15	8	5				
40 Straw factories.....	2,280	968	1,327	750	1,094	191	223	20	10	2	
41 Owners, operators, and proprietors.....	20	20		15		5					
42 Managers and officials.....	25	25		24		1					
43 Foremen and overseers.....	69	42	27	34	23	7	4	1			
44 Professional pursuits.....	6	5	1	4	1	1					
45 Bookkeepers and cashiers.....	16	5	11	5	9		2				
46 Clerks.....	41	17	24	16	22	1	2				
47 Shipping clerks.....	15	14	1	12		2	1				
48 Stenographers and typists.....	14		14		14						
49 Other clerical pursuits.....	17	16	1	14	1	1				1	
50 Engineers (stationary).....	11	11		9		2					
51 Machinists.....	21	21		20				1			
52 Other skilled trades.....	15	15		15							
53 Laborers.....	148	136	12	101	10	28	1	7	1		
54 Operatives.....	1,818	584	1,234	445	1,014	133	212	5	8	1	
55 All other occupations.....	54	52	2	36		10	1	6	1		
56 Turpentine farms and distilleries.....	43,467	43,045	422	10,588	141	46		32,402	281	9	
57 Owners, operators, and proprietors.....	874	870	4	858	4	3		9			
58 Managers and officials.....	312	305	4	300	4	5		3			
59 Foremen and overseers.....	991	990	1	800	1			190			
60 Chemical engineers I.....	13	13		12		1					
61 Chemists.....	32	31	1	30	1	1					
62 Other professional pursuits.....	11			11							
63 Accountants and auditors.....	23	23		23							
64 Agents (not elsewhere classified).....	11	11		11							
65 Bookkeepers and cashiers.....	181	161	20	158	20	3					
66 Clerks.....	98	83	15	77	14	3			1		
67 Shipping clerks.....	17	17		14				2			
68 Stenographers and typists.....	62	4	58	4	58					1	
69 Other clerical pursuits.....	36	30		28		1		7			
70 Blacksmiths.....	20	20		13				7			
71 Carpenters.....	20	20		16				4			
72 Coopers.....	204	204		40		1		162		1	
73 Electricians.....	10	10		10							
74 Engineers (stationary).....	21	21		19		2					
75 Machinists.....	33	33		30		3					

1 Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
MISCELLANEOUS MANUFACTURING INDUSTRIES—Continued											
Turpentine farms and distilleries—Contd.											
1 Mechanics (not otherwise specified).....	25	25		15				10			
2 Millwrights.....	10	10		0				1			
3 Plumbers and gas and steam fitters.....	32	32		31		1					
4 Other skilled trades.....	28	27	1	17	1			10			
5 Chauffeurs and truck and tractor drivers.....	501	501		353		1		236		1	
6 Draymen and teamsters.....	507	507		98				400			
7 Firemen.....	32	32		0				26			
8 Guards, watchmen, and doorkeepers.....	59	58	1	41		2		15	1		
9 Laborers.....	37,620	37,313	307	6,721	35	10		30,577	272	5	
10 Operatives.....	1,368	1,360	8	620	3	9		721	5	1	
11 All other occupations.....	20	24	2	14				10	2		
12 Other miscellaneous manufacturing industries.	360,023	280,469	79,554	181,144	64,534	65,273	11,570	31,255	3,139	2,798	311
13 Owners, operators, and proprietors.....	13,540	13,151	395	8,561	314	4,409	76	45	4	30	1
14 Managers and officials.....	17,657	17,120	537	15,340	492	1,746	42	15	3	13	
15 Foremen and overseers.....	10,727	9,157	1,570	7,195	1,310	1,828	238	111	22	23	
16 Chemical engineers ¹	121	121		110		11					
17 Chemists.....	1,036	997	39	849	36	143	3	4		1	
18 Civil engineers and surveyors.....	231	231		201		29					
19 Designers.....	919	527	392	293	290	231	76	1	24	2	2
20 Draftsmen.....	1,082	1,058	24	894	18	102	6			2	
21 Electrical engineers.....	477	477		415		59		3			
22 Lawyers.....	33	33		28		5					
23 Mechanical engineers ²	1,617	1,017		1,401		213		2		1	
24 Photographers.....	184	149	35	115	27	32	8	2			
25 Social and welfare workers.....	4	2	2	1	1	1	1				
26 Trained nurses.....	42	6	36	5	29	1	6		1		
27 Accountants and auditors.....	1,711	1,566	145	1,425	138	136	7			5	
28 Advertising agents.....	347	309	38	283	36	25	2	1			
29 Agents (not elsewhere classified).....	978	930	48	824	44	96	1	7	3	3	
30 Bookkeepers and cashiers.....	10,026	4,426	5,600	4,115	5,076	295	508	4	9	12	7
31 Canvassers.....	245	183	62	167	44	13	10	3	8		
32 Clerks.....	18,392	9,066	8,426	8,783	7,756	1,070	650	97	15	16	5
33 Collectors.....	201	187	14	161	13	24		1	1	1	
34 Commercial travelers.....	3,874	3,825	49	3,440	47	375	2	7		3	
35 Credit men.....	312	287	25	262		25					
36 Messenger, errand, and office boys and girls.....	1,580	1,452	128	1,283	120	114	5	51	3	4	
37 Office appliance operators.....	373	57	316	52	293	4	23	1			
38 Purchasing agents.....	341	599	42	521	38	78	4				
39 Sales agents.....	67	62	5	54	4	8			1		
40 Salesmen and saleswomen.....	5,248	5,069	179	4,458	161	504	15	85	3	22	
41 Shipping clerks.....	4,577	4,340	238	3,543	204	671	17	131	6	4	1
42 Stenographers and typists.....	10,088	343	9,745	321	9,152	18	580	1	0	3	7
43 Weighers.....	533	509	24	428	22	41	1	37	1	3	
44 Blacksmiths.....	353	353		195		134		23		1	
45 Boilermakers.....	68	68		45		19		2		2	
46 Brick and stone masons and tile layers.....	92	92		44		44		3		1	
47 Cabinetmakers.....	584	582	2	280	2	289		3		1	
48 Carpenters.....	1,346	1,346		948		302		31	5	6	
49 Compositors, linotypers, and typesetters.....	1,044	925	119	778	107	141	10	5	2	1	
50 Coopers.....	43	43		22		11		10			
51 Coppersmiths.....	25	25		13		12					
52 Cranemen, derrickmen, hoistmen, etc.....	150	150		109		29		12		4	
53 Electricians.....	1,157	1,157		991		153		9		4	
54 Engineers (stationary).....	7,984	7,983	1	6,588	1	1,110		240		27	
55 Engravers.....	439	364	75	277	68	80	7			1	
56 Forgemasters and hammermen.....	30	30		17		13					
57 Goldsmiths and silversmiths.....	64	63	1	45	1	18					
58 Jewelers and lapidaries (factory).....	38	34	4	20	3	14	1				
59 Loom fixers.....	20	20		17		3					
60 Machinists.....	8,718	8,718		6,263		2,254		189		22	
61 Mechanics (not otherwise specified).....	4,872	4,866	6	3,480	6	1,224		133		20	
62 Millwrights.....	865	865		657		163		45			
63 Molders, founders, and casters (metal):											
64 Brass molders, founders, and casters.....	12	12		10		2					
65 Iron molders, founders, and casters.....	73	73		56		15		1		1	
66 Other molders, founders, and casters.....	46	46		37		8		1			
67 Painters, glaziers, and varnishers (building).....	125	125		95		21		6		3	
68 Pattern and model makers.....	1,954	1,945	9	1,471	8	472		1	1	1	
69 Plumbers and gas and steam fitters.....	2,098	2,098		1,778		307		13		1	
70 Sawyers.....	307	295	12	255	12	37		3			
71 Skilled occupations (not elsewhere classified) ³	153	152	1	99	1	47		3		3	
72 Tinsmiths and sheet-metal workers.....	1,084	1,084		830		246		7		1	
73 Toolmakers and die setters and sinkers.....	2,085	2,085		1,476		608		1		1	
74 Upholsters.....	293	256	37	181	32	55	4	20	1		
75 Other skilled trades.....	7	7		5		2					
76 Apprentices:											
77 Designers' and draftsmen's apprentices.....	46	32	14	30	13	2	1				
78 Electricians' apprentices.....	22	22		21		1					
79 Machinists' apprentices.....	100	100		145		14		1			
80 Tinsmiths' and coppersmiths' apprentices.....	20	20		18		2					
81 Other apprentices.....	699	655	44	595	42	63	2	5		2	

¹ Included, in other occupation tables, in the group "Mining engineers."² Includes, also, all technical engineers not elsewhere classified.³ Most of these were returned as metal "temperers," "testers," or "treaters," and "wood carvers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY
MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
MISCELLANEOUS MANUFACTURING INDUSTRIES—Continued											
Other miscellaneous manufacturing industries—Continued.											
1 Buffers and polishers (metal).....	781	736	45	542	42	103	3	1			
2 Charwomen and cleaners.....	69	20	48	10	20	5	13	5	12		
3 Chauffeurs and truck and tractor drivers.....	8,031	8,023	3	5,731	1	591	1	1,614	1	62	
4 Draymen and teamsters.....	1,089	1,089		607		90		387		5	
5 Dyers.....	608	582	26	160	10	392	8	20	8	1	
6 Elevator tenders.....	226	217	9	138	3	73	3	5	3	1	
7 Enamellers, lacquerers, and japanners.....	183	121	62	91	51	30	11				
8 Filers (metal).....	222	216	6	165	6	30		22			
9 Firemen.....	2,704	2,704		1,421		480		784		19	
10 Furnace men, smelter men, and pourers (metal).....	40	40		29		8		3			
11 Grinders (metal).....	312	287	25	198	23	84	2	5			
12 Guards, watchmen, and doorkeepers.....	2,388	2,381	7	1,703	4	449		200	3	23	
13 Housekeepers and stewards ¹	38	4	24	4	20		3	1			
14 Janitors.....	732	677	55	272	18	249	14	151	21	5	2
15 Laborers.....	65,871	61,267	4,604	27,048	3,285	10,050	474	21,034	804	1,985	41
16 Oilers of machinery.....	403	403		242		73		82		6	
17 Operatives.....	129,400	83,949	45,511	47,391	34,466	31,552	8,041	4,673	2,162	433	242
18 Painters, glaziers, and varnishers (factory).....	2,405	1,705	700	1,190	599	472	88	29	10	14	3
19 Policemen.....	34	34		22		11		1			
20 Porters.....	478	478		49		81		340		2	
21 All other occupations.....	16	16		8		0		1			
22 Other not specified manufacturing industries.....	466,569	369,393	106,166	237,071	84,756	95,008	14,034	24,887	6,713	2,427	603
23 Owners, operators, and proprietors.....	5,470	5,330	134	3,959	107	1,325	25	35	2	17	
24 Managers and officials.....	10,521	10,087	434	8,762	385	1,300	46	10	2	0	1
25 Foremen and overseers.....	12,527	10,760	1,777	8,462	1,508	2,182	237	91	27	15	5
26 Chemical engineers ²	119	119		98		20					
27 Chemists.....	1,159	1,119	40	916	37	184	3	15		4	
28 Civil engineers and surveyors.....	309	309		294		43		2			
29 Designers.....	585	378	207	213	153	162	48	2	0		
30 Draftsman.....	2,073	2,043	30	1,079	26	356	4	3		5	
31 Electrical engineers.....	561	551		477		71		2		1	
32 Lawyers.....	120	116	4	112		4					
33 Mechanical engineers ²	1,297	1,297		1,055		239		3			
34 Photographers.....	57	53	4	34		18		1			
35 Social and welfare workers.....	28	8	20	5	18	2		1			
36 Trained nurses.....	434	23	411	17	343	0	06		2		
37 Accountants and auditors.....	2,434	2,233	201	2,017	193	214	8	2			
38 Advertising agents.....	232	200	32	191	20	9		3			
39 Agents (not elsewhere classified).....	1,685	1,631	54	1,449	43	177	5	3	0	2	
40 Bookkeepers and cashiers.....	8,339	3,442	4,897	3,083	4,507	349	373	4	13	0	4
41 Canvassers.....	110	72	38	62	28	8	2	2	8		
42 Clerks.....	21,636	15,104	9,532	13,280	8,700	1,042	722	152	44	21	0
43 Collectors.....	80	72	8	61	8	9		2			
44 Commercial travelers.....	1,479	1,448	31	1,330	26	116	2	1	3	1	
45 Credit men.....	247	226	21	210	19	16	2				
46 Messenger, errand, and office boys and girls.....	1,543	1,393	150	1,190	130	95	14	105	6	3	
47 Office-appliance operators.....	474	93	381	79	360	14	21				
48 Purchasing agents.....	584	544	40	488	35	55	5	1			
49 Sales agents.....	52	47	5	44	5	3					
50 Salesmen and saleswomen.....	3,805	3,622	183	3,172	151	431	22	14	0	5	1
51 Shipping clerks.....	6,356	6,173	183	4,772	152	1,101	26	283	5	17	
52 Stenographers and typists.....	10,722	401	10,321	365	0,788	26	515	5	15	5	3
53 Weighers.....	147	120	27	91	24	24	3	5			
54 Blacksmiths.....	1,387	1,387		769		574		41		3	
55 Boiler makers.....	805	895		635		235		17		8	
56 Brick and stone masons and tile layers.....	235	235		129		102		3		1	
57 Cabinetmakers.....	1,561	1,561		661		885		11		4	
58 Carpenters.....	5,503	5,503		3,065		2,326		91		21	
59 Cement finishers.....	17	17		6		9		2			
60 Compositors, linotypers, and typesetters.....	1,967	1,836	131	1,450	123	358	8	25		8	
61 Coopers.....	284	284		134		112		34		4	
62 Coppersmiths.....	103	103		76		84		2		1	
63 Crane men, derrick men, hoist men, etc.....	707	707		481		202		21		3	
64 Electricians.....	3,942	3,938	4	3,145	1	756	3	30		2	
65 Engineers (stationary).....	5,104	5,104		3,640		1,864		101		9	
66 Engravers.....	370	347	23	239	20	106	3	1		1	
67 Forgemen and hammermen.....	180	180		115		59		6		1	
68 Goldsmiths and silversmiths.....	103	102	1	67		35	1				
69 Jewelers and lapidaries (factory).....	137	127	10	68	6	57	4	2			
70 Loom fixers.....	102	102		55		47					
71 Machinists.....	20,863	20,862	1	20,266	1	9,236		303		47	
72 Mechanics (not otherwise specified).....	13,709	13,704	5	10,153	5	2,976		488		88	
73 Millwrights.....	2,700	2,698	2	2,025	2	650		20		3	
74 Molders, founders, and casters (metal):											
Brass molders, founders, and casters.....	25	25		14		11					
Iron molders, founders, and casters.....	109	109		57		32		20			
Other molders, founders, and casters.....	136	136		95		31		5		4	
75 Painters, glaziers, and varnishers (building).....	111	111		70		38		3			
76 Pattern and model makers.....	3,556	3,552	4	2,683	2	861	2	7		1	
77 Plumbers and gas and steam fitters.....	2,120	2,120		1,036		441		41		2	
78 Sawyers.....	760	759	1	597	1	124		34		4	
79 Skilled occupations (not elsewhere classified) ⁴	275	275		143		120		2		1	
80 Stone cutters.....	70	70		30		33		1			
81 Tinsmiths and sheet-metal workers.....	2,462	2,461	1	1,664	1	774		16		7	
82 Toolmakers and die setters and sinkers.....	4,799	4,799		3,013		1,771		10		5	
83 Upholsterers.....	817	769	48	490	36	265	11	14	1		

¹ Includes hostesses and matrons.

² Included, in other occupation tables, in the group "Mining engineers."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY MANUFACTURING AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				MISCELLANEOUS MANUFACTURING INDUSTRIES—Continued							
Other not specified manufacturing industries—Continued.											
Apprentices:											
1 Designers' and draftsmen's apprentices.....	53	40	7	44	7	2					
2 Electricians' apprentices.....	60	59	1	52	7						
3 Machinists' apprentices.....	360	359	1	323	1	32		4			
4 Tinsmiths' and coppersmiths' apprentices.....	32	32		27		6					
5 Other apprentices.....	1,554	1,510	44	1,391	38	95	4	18	1	6	1
6 Charwomen and cleaners.....	230	60	164	25	64	33	58	8	41		
7 Chauffeurs and truck and tractor drivers.....	4,933	4,928	5	3,798	5	564		537		31	1
8 Draymen and teamsters.....	671	670	1	450	1	122		96		2	
9 Dyers.....	252	237	15	104	8	121	4	12	3		
10 Elevator tenders.....	1,091	1,056	35	537	12	369	7	150	16		
11 Enamellers, lacquerers, and japanners.....	166	149	17	97	15	47	1	4	1	1	
12 Filers (metal).....	541	538	3	393	2	141				4	1
13 Firemen.....	4,314	4,314		2,021		1,640		644		9	
14 Furnace men, smelter men, and pourers (metal).....	84	84	2	39	2	23		21		1	
15 Grinders (metal).....	406	404	2	273	2	120		11			
16 Guards, watchmen, and doorkeepers.....	6,989	6,916	23	4,077	13	2,555	9	274	1	10	
17 Housekeepers and stewards ¹	115	19	96	13	49	4	39	2	8	7	
18 Janitors.....	2,611	2,495	116	883	48	994	34	611	84	1,503	115
19 Laborers.....	113,068	101,608	12,000	54,317	8,382	30,371	1,434	16,367	2,120	1,503	115
20 Oilers of machinery.....	404	401	3	261	2	120		15	1	5	
21 Operatives.....	138,945	74,057	63,988	49,830	48,917	21,882	10,227	3,320	4,319	425	525
22 Painters, glaziers, and varnishers (factory).....	3,197	3,012	185	2,005	147	896	29	95	8	17	1
23 Policemen.....	154	152	2	122	1	30		1			
24 Porters.....	2,394	2,392	2	329		459		1,000	2	4	
25 All other occupations.....	61	61		38		9		4			

TRANSPORTATION AND

26 Air transportation ²	18,189	17,161	1,028	15,095	977	1,498	45	430	6	138	
27 Owners, operators, and proprietors.....	74	74		70		4					
28 Managers and officials.....	1,010	1,011	5	951	5	60					
29 Foremen and overseers.....	181	181		153		24		1		3	
30 Civil engineers and surveyors.....	84	84		75		9					
31 Draftsmen.....	52	52		44		8					
32 Electrical engineers.....	54	54		49		5					
33 Mechanical engineers.....	329	329		290		39					
34 Photographers.....	32	30	2	28	1	2	1				
35 Other professional pursuits.....	10	8	2	7	2	1					
36 Accountants and auditors.....	180	169	11	155	9	14	2				
37 Advertising agents.....	25	23	2	23	2						
38 Agents (not elsewhere classified).....	195	190	5	184	6	6					
39 Bookkeepers and cashiers.....	181	112	69	104	60	7	3			1	
40 Canvassers.....	39	39		37		2					
41 Clerks.....	1,048	740	290	693	286	52	13	1		3	
42 Commercial travelers.....	12	12		11		1					
43 Messenger, errand, and office boys and girls.....	35	35		32				3			
44 Office appliance operators.....	19	8	11	7	11	1					
45 Purchasing agents.....	27	25	2	24	2	1					
46 Salesmen and saleswomen.....	183	182	1	171	1	11					
47 Stenographers and typists.....	546	40	506	36	484	4	22				
48 Other clerical pursuits.....	14	13	1	13	1						
49 Aviators.....	6,097	6,081	66	5,644	65	360	1	9		18	
50 Blacksmiths.....	12	12		8		4					
51 Cabinetmakers.....	11	11		9		2					
52 Carpenters.....	158	158		130		20		2			
53 Electricians.....	146	146		136		9				1	
54 Engineers (stationary).....	135	135		111		23				1	
55 Machinists.....	617	617		506		107				4	
56 Mechanics (not otherwise specified).....	3,406	3,405	1	3,016	1	350		11		19	
57 Painters, glaziers, and varnishers (building).....	27	27		26		1					
58 Plumbers and gas and steam fitters.....	33	33		29		4					
59 Tinsmiths and sheet-metal workers.....	46	46		37		9					
60 Toolmakers and die setters and sinkers.....	20	20		13		7					
61 Other skilled trades.....	33	33		27		4		2			
62 Apprentices.....	225	225		206		14		2		3	
63 Chauffeurs and truck and tractor drivers.....	140	140		125		6		7		2	
64 Firemen.....	41	41		37		2		2			
65 Guards, watchmen, and doorkeepers.....	240	240		196		33		9		2	
66 Housekeepers and stewards ¹	23	18	5	16	5	1		1			
67 Janitors.....	87	87		27		9		49		2	
68 Laborers.....	1,609	1,602	7	1,045		200	1	285	6	72	
69 Operatives.....	641	611	30	529	29	69	1	17		6	
70 Painters, glaziers, and varnishers (factory).....	35	34	1	31		3	1				
71 Porters.....	35	35		4		1		29		1	
72 All other occupations.....	36	34	2	30	2	4					

¹ Includes hostesses and matrons.

² Sometimes it was impossible, from the enumerators' returns, to distinguish between workers at airports and workers in airplane factories.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

MECHANICAL INDUSTRIES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits)

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
36	7	0		4																1
48	1	6		4																2
304		37	1	16																3
27		5																		4
050	19	425	14	365	8	60	1	7	1	2	1			1						5
	7	4	0	4	12	20	22	19	63	10	32	4	19	5						6
64		240		1,114	2	1,953	3	970		415		130		29		3		1		7
4		23		102	2	167		141		120		82		26		4		1		8
0	1	13	3	32	1	66	2	50	4	38		22	3	8		2				9
17		40	3	102	14	150	14	157	7	188	6	197	1	170		29				10
2	1	7	3	23	4	39	3	40	4	22	2	9		6		1				11
2		5	1	48		100		127		113	1	82		53	1	3				12
2		48		195		764		1,275		1,141		636		233		19		2		13
		1		8		25		30		13		5		2						14
3		12	1	50	1	141	2	100	3	54	4	31	5	6		1				15
6		8		65	2	337	2	704	3	1,552	4	2,359	9	1,046	3	230		9		16
			1	2	2	8	6	3	21	2	20	4	33	7						17
9		18	3	87		260	22	360	27	607	33	655	19	445	7	53		1		18
4,366	1,708	7,175	1,091	17,747	3,140	23,998	2,458	21,432	1,588	16,440	778	8,149	280	2,890	82	305	12	106	14	19
8		13		64	1	88		92	1	83		40		12		1				20
3,783	8,040	5,327	9,231	12,900	15,755	18,893	14,153	16,805	9,175	10,537	4,914	5,377	2,049	1,062	535	245	61	68	66	21
61	32	128	34	458	51	805	30	696	14	482	8	283	6	99	1	6		3		22
				2	2	29		29		49		32		9		1				23
54		94	1	306		651	1	532		375		246		120		11		3		24
				6		19		11		10		3		2						25

COMMUNICATION

260	25	846	108	4,031	375	7,074	371	3,840	105	1,037	34	423	7	121		12		18	3	26	
						34		25		0		1		3						27	
						458	3	327	2	88		34		7		1				28	
		5		18		62		66		29		11		5						29	
						33		27		8		3								30	
		5				25		7		2		1		1						31	
						28		16		2		2								32	
						28		16		2		2								33	
						66		83		26		4						1		34	
						150		9		1										35	
						15		1		1										36	
						5		1		1										37	
		2		21	2	82	7	46		13	2	4		1						38	
				5	1	10	1	4		4										39	
				28	2	106	2	36		14		1		1						40	
		4	1	34	10	44	28	12	7	7	4	4	1	1				1		41	
3	2	6	8	10		18		5		4		2		7						42	
19	4	50	32	214	94	269	121	117	36	50	9	22	2	7				1	1	43	
						9		3													44
19				4		17	8	3		1											45
				3	2	3	2	3		2											46
				43		68		47	1	13		6		3				1			47
2	14	8	50	4	226	8	160	4	38	7		1	1	1					1	48	
1				4		2		3	1	1		1		1							49
		262	4	1,804	23	2,897	32	902	5	78	2	13		8		1		6		50	
						3		3		4		3									51
						33		40		4		1		1							52
1		4				43		43		15		8		8							53
		2				46		46		15		7		7				1			54
		1				18		15		15		7		7							55
		20		128		239		162		57		18		2							56
		183		330	1	1,514		678		157		31		7		1		4			57
						11		6		3		1		1							58
						5		11		13		2		1							59
						20		10		8		3		1							60
						5		8		3		1		1							61
						11		0		3		7		7							62
						15		3		6		1									63
						42		33		4		1									64
						13		13		10		3									65
						32		50		57		61		19		5					66
						5	3	3		1	1	1	1	1							67
						16		22		17		19		5							68
						437		288	2	210		102		28		3					69
57	2	145	1	332	2	197	1	98	12	47	7	17	2	4				1	1	70	
43	3	71	2	133		13		4		7		1		1						71	
1				6		14		8		5		2		2							72
1		2		1		8		8		4		9		1							73

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

TRANSPORTATION AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
1 Construction and maintenance of roads, streets, sewers, and bridges.	464,823	461,856	2,968	310,796	2,523	67,621	90	63,895	348	9,543	7
2 Contractors, builders, and proprietors.....	14,065	14,053	12	11,970	11	1,930	1	130		23	
3 Managers and officials.....	5,787	5,784	3	5,436	3	342		2		4	
4 Foremen and overseers.....	23,250	23,249	1	20,687	1	2,352		230		80	
5 Chemists.....	70	69	1	65	1	4					
6 Civil engineers and surveyors.....	14,691	14,689	2	14,042	2	610		20		17	
7 Designers.....	25	25		23							
8 Draftsmen.....	1,240	1,210	30	1,135	30	71		2		2	
9 Electrical engineers.....	68	68		63		5					
10 Lawyers.....	15	15		15							
11 Mechanical engineers ¹	318	318		295		22				1	
12 Mining engineers ¹	27	27		20		1					
13 Other professional pursuits.....	4	4		2		2					
14 Accountants and auditors.....	348	325	23	307	23	18					
15 Agents (not elsewhere classified).....	134	134		122		11		1			
16 Bookkeepers and cashiers.....	1,420	985	441	932	423	49	18	1		3	
17 Canvassers.....	36	36		31		5					
18 Clerks.....	3,373	2,846	527	2,677	512	146	13	13	1	10	1
19 Collectors.....	25	25		20		5					
20 Commercial travelers.....	21	21		18		2		1			
21 Messenger, errand, and office boys and girls.....	52	51	1	43	1	6		2			
22 Office appliance operators.....	34	18	16	14	10	3		1			
23 Purchasing agents.....	61	59	2	55	1	4		1			
24 Salesmen and saleswomen.....	36	36		33		3					
25 Shipping clerks.....	17	17		14		3					
26 Stenographers and typists.....	1,159	96	1,063	88	1,034	5	28	3	1		
27 Weighers.....	42	42		36		4		2			
28 Other clerical pursuits.....	8	8		7		1					
29 Blacksmiths.....	1,009	1,009		771		186		44		8	
30 Boiler makers.....	25	25		19		6					
31 Brick and stone masons and tile layers.....	857	857		421		320		100		7	
32 Carpenters.....	6,994	6,994		5,958		929		97		10	
33 Cement finishers.....	1,712	1,712		764		428		447		73	
34 Cranemen, derrickmen, hoistmen, etc.....	2,682	2,682		2,420		219		40		3	
35 Electricians.....	240	240		218		15		5		2	
36 Engineers (stationary).....	3,624	3,624		3,260		269		87		8	
37 Forgemen and hammermen.....	13	13		12		6					
38 Machinists.....	1,639	1,639		1,466		145		22		6	
39 Mechanics (not otherwise specified).....	3,342	3,342		3,103		181		49		9	
40 Millwrights.....	20	20		18		2					
41 Painters, glaziers, and varnishers (building).....	751	751		645		95		9		2	
42 Plumbers and gas and steam fitters.....	356	356		223		87		40		6	
43 Structural iron workers.....	2,782	2,782		2,304		464		18		0	
44 Tinsmiths and sheet-metal workers.....	42	42		36		6					
45 Toolmakers and die setters and sinkers.....	12	12		10		2					
46 Other skilled trades.....	29	29		24		4				1	
47 Apprentices: Architects', designers', and draftsmen's ap- prentices.....	22	21	1	21	1						
48 Other apprentices.....	56	56		53		1		2			
49 Chauffeurs and truck and tractor drivers.....	32,997	32,988	9	30,128	7	1,136		1,451	2	273	
50 Cooks.....	1,638	802	731	479	396	65	23	236	308	22	4
51 Draymen and teamsters.....	6,822	6,822		5,009		472		1,200		141	
52 Firemen.....	635	635		409		40		60		6	
53 Guards and watchmen.....	1,511	1,511		1,180		253		69		2	
54 Inspectors.....	2,975	2,975		2,727		232		13		2	
55 Janitors.....	51	49	2	18	2	13		16		2	
56 Laborers, road, street, etc., building and repairing.....	290,354	290,308	46	177,374	10	48,146	3	56,254	32	8,534	1
57 Laborers, street cleaning.....	16,673	16,672	1	6,624		6,985		2,825	1	235	
58 Others of machinery.....	167	167		148		12		7			
59 Porters.....	27	27		6		3		15		0	
60 Waiters.....	53	44	9	32	6	1		11	2		1
61 All other occupations.....	8,681	8,634	47	6,860	43	1,251	3	384	1	39	
62 Express companies.....	62,239	58,542	3,697	49,031	3,488	6,432	175	2,872	92	207	2
63 Owners, operators, and proprietors.....	323	323		220		88		13		2	
64 Managers and officials.....	1,155	1,155		1,040		108		4		3	
65 Foremen and overseers.....	1,634	1,633	1	1,410	1	213		8		2	
66 Professional pursuits.....	24	21	3	19	3	2					
67 Accountants and auditors.....	601	556	46	514	45	40		1			
68 Agents, express companies.....	4,176	4,102	74	3,887	71	206		5	1	4	
69 Agents (not elsewhere classified).....	462	458	4	427	3	30		1		1	
70 Bookkeepers and cashiers.....	1,961	1,467	494	1,375	461	89	28	1	5	2	
71 Canvassers.....	36	36		33		3					
72 Clerks.....	12,456	10,725	1,731	9,689	1,654	904	68	50	8	22	1
73 Collectors.....	189	182	7	16	7	15					
74 Commercial travelers.....	17	17		16		1					
75 Express messengers.....	8,211	8,207	4	7,706	3	452		1		11	
76 Messenger, errand, and office boys and girls.....	145	144	1	131		4		9	1		
77 Office appliance operators.....	144	4	140		135		5				
78 Salesmen and saleswomen.....	29	28	1	20		2					
79 Shipping clerks.....	513	504	9	408	8	85		7		1	
80 Stenographers and typists.....	1,233	99	1,134	95	1,064	3	65	1	4		1
81 Weighers.....	43	41	2	29	2	11		1			
82 Other clerical pursuits.....	18	17	1	17		1					

¹ Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

TRANSPORTATION AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Express companies—Continued.											
1 Blacksmiths.....	66	66		26		38		1		1	
2 Carpenters.....	90	90		62		25		3			
3 Electricians.....	40	40		34		6					
4 Engineers (stationary).....	22	22		17		5					
5 Machinists.....	49	49		42		7					
6 Mechanics (not otherwise specified).....	339	339		275		51		13			
7 Painters, glaziers, and varnishers (building).....	19	19		11		8					
8 Tinsmiths and sheet metal workers.....	13	13		13							
9 Other skilled trades.....	21	21		14		7					
10 Chauffeurs and truck and tractor drivers.....	13,845	13,843	2	11,720	2	1,296		751		70	
11 Draymen and teamsters.....	4,895	4,895		3,703		703		470		10	
12 Elevator tenders.....	34	33	1	24		8		1		1	
13 Guards, watchmen, and doorkeepers.....	374	373	1	280	1	85		8			
14 Inspectors.....	229	229		215		13		1			
15 Janitors.....	105	94	11	34	2	13	1	47	8		
16 Laborers.....	7,086	7,085	1	4,410		1,522		1,096	1	67	
17 Operatives (not otherwise specified).....	1,661	1,035	20	757	24	225		50	2	3	
18 Painters, glaziers, and varnishers (factory).....	24	24		19		5					
19 Policemen.....	141	141		113		28					
20 Porters.....	393	393		36		63		292		2	
21 All other occupations.....	23	20	3	13	1	5	1	1	1	1	
22 Garages, greasing stations, and automobile laundries.	423,843	409,781	14,082	326,512	13,385	36,629	467	44,274	192	3,466	28
23 Owners, operators, and proprietors.....	50,718	50,383	335	43,530	296	6,178	34	420	4	205	1
24 Managers and officials.....	19,247	19,160	87	16,974	84	1,914	2	221	1	51	
25 Foremen and overseers.....	6,652	6,650	2	5,719	1	674		244	1	13	
26 Electrical engineers.....	27	27		22		5					
27 Mechanical engineers.....	78	78		67		10		1			
28 Other professional pursuits.....	19	19		15		2				1	
29 Accountants and auditors.....	486	431	55	390	55	39		1		1	
30 Advertising agents.....	14	10	4	7	4	1		1		1	
31 Agents (not elsewhere classified).....	45	46		42		4					
32 Bookkeepers and cashiers.....	15,448	6,156	9,292	5,892	8,981	240	277	10	22	14	12
33 Canvassers.....	19	17	2	15	2	2					
34 Clerks.....	5,449	4,473	976	4,104	900	233	57	63	8	13	2
35 Collectors.....	155	135	20	124	19	9		1		1	1
36 Credit men.....	31	30	1	28	1	2					
37 Messenger, errand, and office boys and girls.....	176	143	33	130	29	6	2	6	1	1	1
38 Purchasing agents.....	39	38	1	37		1	1				
39 Salesmen and saleswomen.....	7,998	7,915	83	7,448	77	327	3	102	2	38	1
40 Shipping clerks.....	34	33	1	28	1	4		1			
41 Stenographers and typists.....	2,947	102	2,845	99	2,776	3	59		4		6
42 Other clerical pursuits.....	19	10	9	10	9						
43 Blacksmiths.....	521	521		363		139		11		8	
44 Carpenters.....	233	233		173		60		5		1	
45 Electricians.....	1,541	1,541		1,410		108		7		16	
46 Engineers (stationary).....	101	101		78		19		4			
47 Forgers and hammermen (includes some welders).....	84	84		71		12				1	
48 Machinists.....	22,971	22,971		19,892		1,775		1,145		159	
49 Mechanics (not otherwise specified).....	196,339	196,327	12	166,618	6	15,358	2	12,698	2	1,753	2
50 Millwrights.....	13	13		11		1		1			
51 Painters, glaziers, and varnishers (building).....	111	111		79		18		12		2	
52 Plumbers and gas and steam fitters.....	38	38		33		4		1			
53 Tinsmiths and sheet metal workers.....	148	148		112		35		1			
54 Toolmakers and die setters and sinkers.....	32	32		23		9					
55 Upholsterers.....	289	287	2	243	2	36		3		5	
56 Other skilled trades.....	33	31	2	23	2	6		2			
57 Apprentices.....	4,342	4,339	3	3,887		168		186	2	98	1
58 Charwomen and cleaners.....	41	19	22	8	5	6	3	5	14		
59 Chauffeurs and truck and tractor drivers.....	5,405	5,450	15	3,637	12	520		1,214	3	29	
60 Draymen and teamsters.....	47	47		38		6		4			
61 Elevator tenders.....	105	101	4	63		23	1	15	3		
62 Filers (metal).....	31	31		27		4					
63 Firemen.....	109	109		64		22		23			
64 Guards, watchmen, and doorkeepers.....	3,488	3,483		2,329		721		423		15	
65 Janitors.....	1,349	1,332	17	495	7	211	1	595	9	31	
66 Laborers.....	66,693	66,536	157	36,204	45	5,742	8	23,750	104	840	
67 Oilers of machinery.....	148	148		106		12		30			
68 Operatives.....	5,800	5,736	64	4,372	51	544	3	746	9	74	1
69 Painters, glaziers, and varnishers (factory).....	1,636	1,632	4	1,189	4	233		129		81	
70 Porters.....	2,466	2,465	1	87		75		2,289	1	14	
71 All other occupations.....	62	49	13	37	7	9	4	3	2		
72 Livery stables.....	9,642	9,688	54	5,413	48	2,302	2	1,832	4	41	
73 Owners, operators, and proprietors.....	1,088	1,073	15	792	14	288	1	13			
74 Managers and officials.....	448	446	2	334	2	102		10			
75 Foremen and overseers.....	457	457		302		102		62		1	
76 Bookkeepers and cashiers.....	68	50	18	47	17	2	1			1	
77 Clerks.....	39	30	9	30	8				1		
78 Salesmen and saleswomen.....	57	57		54		2		1			
79 Stenographers and typists.....	12	3	9	2	7			1	2		
80 Other clerical pursuits.....	6	6		6							

1 Most of these were returned simply as "painters" for express companies.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY
TRANSPORTATION AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Livery stables—Continued.											
1 Blacksmiths.....	132	132		58		59		14		1	
2 Carpenters.....	2	2		2							
3 Chauffeurs and truck and tractor drivers.....	26	26		17		1		7		1	
4 Draymen, teamsters, and carriage drivers.....	348	348		225		33		89		1	
5 Guards and watchmen.....	187	187		97		64		25		1	
6 Hostlers and stable hands.....	0, 654	0, 654		3, 391		1, 639		1, 590		34	
7 Janitors.....	34	34		17		6		10		1	
8 Porters.....	21	21		11		11		10			
9 All other occupations.....	63	62	1	39		13		10	1		
10 Pipe lines.....	25, 001	24, 918	183	22, 262	179	901	1	1, 121	1	534	2
11 Builders and building contractors.....	158	158		145		12		1			
12 Owners, operators, and proprietors.....	13	13		12		1					
13 Managers and officials.....	621	620	1	602	1	17				1	
14 Foremen and overseers.....	1, 301	1, 300	1	1, 237	1	48		3		12	
15 Civil engineers and surveyors.....	159	159		155		4					
16 Draftsmen.....	27	27		26		1					
17 Electrical engineers.....	24	24		24							
18 Mechanical engineers.....	34	34		32		2					
19 Other professional pursuits.....	8	8		7		1					
20 Accountants and auditors.....	118	117	1	114	1	3					
21 Agents (not elsewhere classified).....	59	58	1	57	1	1					
22 Bookkeepers and cashiers.....	171	148	23	146	22	2					1
23 Clerks.....	071	029	42	614	41	12	1	2		1	
24 Messenger, errand, and office boys and girls.....	10	10		10							
25 Office appliance operators.....	12	3	9	3	9						
26 Purchasing agents.....	19	19		17		1				1	
27 Salesmen and saleswomen.....	17	17		14		3					
28 Stenographers and typists.....	113	22	91	20	91	1		1			
29 Other clerical pursuits.....	7	7		7							
30 Blacksmiths.....	38	38		31		6		1			
31 Boiler makers.....	34	34		29		4				1	
32 Carpenters.....	69	69		67		2					
33 Cranemen, derrickmen, hoistmen, etc.....	17	17		14		3					
34 Electricians.....	79	79		70		3					
35 Engineers (stationary).....	1, 818	1, 818		1, 759		53				6	
36 Machinists.....	279	279		261		16				2	
37 Mechanics (not otherwise specified).....	275	275		259		13		2		1	
38 Painters, glaziers, and varnishers (building).....	25	25		22		2		1			
39 Plumbers and gas and steam fitters.....	504	504		454		22		20		8	
40 Other skilled trades.....	24	24		24							
41 Chauffeurs and truck and tractor drivers.....	488	488		472		8		6		2	
42 Draymen and teamsters.....	70	70		60				10			
43 Firemen.....	267	267		251		15		1			
44 Guards and watchmen.....	76	76		70		6					
45 Inspectors.....	083	083		659		24					
46 Laborers.....	13, 704	13, 700	4	11, 668	2	529		1, 029	1	474	1
47 Oilers of machinery.....	315	315		304		9		2			
48 Operatives.....	2, 636	2, 027	0	2, 496	9	70		39		22	
49 Painters, glaziers, and varnishers (except building).....	31	31		26		2		1		2	
50 All other occupations.....	27	20	1	18	1	5		2		1	
51 Postal service.....	293, 936	254, 439	29, 497	223, 222	28, 107	13, 460	735	17, 084	535	673	70
52 Managers and officials.....	2, 847	2, 830	17	2, 641	16	183	1	6			
53 Foremen and overseers.....	1, 664	1, 658	6	1, 515	6	123		19		1	
54 Postmasters.....	34, 421	20, 818	13, 603	10, 807	13, 174	809	350	36	42	46	37
55 Draftsmen.....	12	11	1	10	1	1					
56 Other professional pursuits.....	34	27	7	25	7	1		1			
57 Accountants and auditors.....	127	116	11	108	11	7		1			
58 Agents (not elsewhere classified).....	51	45	6	42	6	2		1			
59 Bookkeepers and cashiers.....	765	592	173	555	168	32	5	4		1	
60 Clerks.....	92, 585	79, 251	13, 334	67, 489	12, 709	4, 844	270	6, 612	240	306	25
61 Mail carriers.....	121, 333	120, 204	1, 129	108, 098	1, 073	5, 629	30	6, 203	19	214	7
62 Messenger, errand, and office boys and girls.....	860	850	16	701	12	33	2	112	2	4	
63 Office appliance operators.....	25	7	18	7	15						
64 Railway mail clerks.....	17, 397	17, 393	4	16, 134	3	565	1	687		7	
65 Shipping clerks.....	20	19	1	14	1	3		2			
66 Stenographers and typists.....	641	105	536	102	519	2	12		5	1	
67 Weighers.....	14	14		11		2		1			
68 Other clerical pursuits.....	23	20	3	13	3	3		4			
69 Carpenters.....	32	32		18		12		2			
70 Compositors, linotypers, and typesetters.....	30	29	1	23	1	3		3			
71 Electricians.....	36	36		30		5		1			
72 Engineers (stationary).....	122	122		99		20		3			
73 Machinists.....	109	109		90		14		5			
74 Mechanics (not otherwise specified).....	529	529		434		55		39		1	
75 Other skilled trades.....	34	34		20		9		5			
76 Charwomen and cleaners.....	347	31	316	12	138	7	31	11	146	1	1
77 Chauffeurs and truck and tractor drivers.....	1, 183	1, 180	3	875	3	64		236		5	
78 Draymen, teamsters, and carriage drivers.....	75	75		64		1		10			
79 Elevator tenders.....	142	134	8	62	5	14		58	3		
80 Firemen.....	265	265		179		35		49		2	
81 Guards, watchmen, and doorkeepers.....	351	351		280		74		46		1	

OCCUPATIONS—GENERAL REPORT

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INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Postal service—Continued.											
1 Inspectors.....	655	653	2	625	2	27		1			
2 Janitors.....	2,767	2,557	210	1,263	80	312	30	1,031	100	11	
3 Laborers.....	3,528	3,511	17	1,590	9	423	1	1,445	7	53	
4 Operatives.....	404	433	61	287	45	40	2	90	14	10	
5 Porters.....	380	380		64		44		269		3	
6 All other occupations.....	32	18	14	15	10	2		1	4	3	
7 Radio broadcasting and transmitting	8,984	8,094	870	7,281	828	732	41	60		21	1
8 Announcers, directors, managers, and officials.....	1,819	1,639	180	1,534	177	90	3	4		2	
9 Foremen and overseers.....	18	18		14		4					
10 Electrical engineers.....	543	543		512		31					
11 Other professional pursuits.....	19	18	1	18	1						
12 Accountants and auditors.....	21	18	3	15	3	3					
13 Advertising agents.....	91	79	12	77	12	2					
14 Agents (not elsewhere classified).....	102	93	9	88	7	5	2				
15 Bookkeepers and cashiers.....	60	13	47	12	41	1	6				
16 Clerks.....	333	112	221	103	214	8	7	1			
17 Collectors.....	23	23		23							
18 Messenger, errand, and office boys and girls.....	50	48	2	43	2	3		2			
19 Stenographers and typists.....	308	7	301	3	284	2	16	1		1	1
20 Other clerical pursuits.....	23	18	5	18	5						
21 Electricians.....	120	120		115		4		1			
22 Engineers (stationary).....	41	41		38		3					
23 Machinists.....	30	30		21		9					
24 Mechanics (not otherwise specified).....	101	101		89		10		2			
25 Other skilled trades.....	12	12		9		3					
26 Housekeepers and stewards ¹	28	2	26	2	24		2				
27 Janitors.....	28	27	1	13	1	5		9			
28 Laborers.....	72	72		39		14		19			
29 Operatives.....	92	70	13	70	11	4	2	4			
30 Radio operators.....	4,955	4,909	46	4,375	43	510	3	8		16	
31 All other occupations.....	75	72	3	50	3	12		9		1	
32 Steam railroads²	1,583,067	1,528,073	54,994	1,118,283	49,867	193,179	3,079	160,796	1,834	55,815	224
33 Builders and building contractors.....	678	678		556		117		4		1	
34 Conductors.....	73,332	73,332		63,419		4,839		35		39	
35 Officials and superintendents.....	34,380	34,359	21	32,156	19	2,173	2	15		15	
36 Foremen and overseers.....	73,910	73,860	50	58,957	32	13,006	10	823	8	1,074	
37 Chemical engineers ³	30	30		27		3					
38 Chemists.....	275	272	3	249	3	20		3			
39 Civil engineers and surveyors.....	8,156	8,153	3	7,645	3	407		4		7	
40 Designers.....	34	33	1	29		3	1			1	
41 Draftsmen.....	2,526	2,498	28	2,227	26	264	2			7	
42 Electrical engineers.....	1,378	1,378		1,254		121		3			
43 Lawyers.....	1,107	1,098	9	1,067	9	28		1		2	
44 Mechanical engineers ⁴	867	866	1	759	1	102		1		4	
45 Photographers.....	55	55		46		8				1	
46 Social and welfare workers.....	21	14	7	11	6			2	1	1	
47 Trained nurses.....	70	2	68	2	66		3				
48 Accountants and auditors.....	13,484	12,635	849	11,817	822	803		27	4	11	
49 Advertising agents.....	133	127	6	122	5	5		1			
50 Agents (not elsewhere classified).....	18,912	18,616	306	17,420	370	1,037	25	32	1	27	
51 Baggage men.....	9,097	9,097		7,579		1,053		427		38	
52 Bookkeepers and cashiers.....	11,809	9,170	2,099	8,636	2,563	501	141	8	3	25	
53 Clerks.....	160,270	148,296	20,974	137,554	20,230	9,553	708	937	24	252	2
54 Collectors.....	680	649	31	601	22	47		1			
55 Credit men.....	15	13	2	10	2	3				3	
56 Freight agents.....	0,901	0,887	14	0,511	14	367		6			
57 Messenger, errand, and office boys and girls.....	4,988	4,914	74	4,446	69	136	3	305	2	27	
58 Office appliance operators.....	2,798	101	2,037	144	2,553	10	80	7	1	3	
59 Sales agents.....	16	15	1	13	1	1					
60 Salesmen and saleswomen.....	520	500	20	445	24	49	1	7	1	5	
61 Shipping clerks.....	1,981	1,950	31	1,568	26	310	3	65	2	7	
62 Stenographers and typists.....	24,341	4,796	19,545	4,597	18,847	178	681	10	3	11	14
63 Ticket and station agents.....	25,374	24,148	1,226	22,933	1,180	1,183	96	13		19	
64 Weighers.....	573	570	3	512	3	45		13			
65 Other clerical pursuits.....	213	210	3	203	3	7					
66 Blacksmiths.....	5,563	5,563		3,655		1,071		180		57	
67 Boilermakers.....	9,000	9,000		6,964		1,755		231		120	
68 Brick and stone masons and tile layers.....	677	677		441		211		3		4	
69 Cabinetmakers.....	434	434		222		208		3		1	
70 Carpenters.....	29,642	29,642		22,133		0,955		397		157	
71 Cement finishers.....	20	20		10		5		4		1	
72 Compositors, linotypers, and typesetters.....	175	163	12	137	12	26					
73 Coopers.....	279	279		137		114		31		1	
74 Coppersmiths.....	434	434		398		32		3		1	
75 Cranemen, derrickmen, hoistmen, etc.....	2,635	2,635		2,177		384		57		17	
76 Electricians.....	11,142	11,142		9,967		1,107		63		15	
77 Engineers (stationary) ⁵	5,319	5,319		4,443		646		193		37	

¹ Includes hostesses and matrons.² Sometimes it was impossible, from the enumerators' returns, to distinguish between workers in car and railroad shops and workers on steam and street railroads.³ Included, in other occupation tables, in the group "Mining engineers."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

COMMUNICATION—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits)

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 24 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
17		1	1	5		46	2	262		200		105		30		2		2		1
10		17	1	66	10	345	24	625	53	744	77	534	35	170	8	36	2	3		2
9	1	56	5	341	4	1,040	4	1,014	4	600	3	300	1	66		11		4		3
1		12	5	43	4	122	13	108	18	85	6	43	5	14	9	1				4
1		5		34	1	86	3	107	2	82	5	41	2	22		2				5
				4		4		4	3	4		3								6
117	22	416	98	2,592	329	3,379	267	1,135	112	320	30	94	9	25	2	6	1	10		7
		36		368	36	672	72	301	55	120	13	32	4	8		1		2		8
		1		2		7		6		1				1						9
				150		303		72		15		2						1		10
				6		4		6		2										11
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10,418	728	32,722	2,788	152,021	11,645	380,731	21,418	420,017	11,433	314,109	4,901	164,381	1,677	48,787	312	3,616	41	1,371	63	32
		1		14		70		172		216		130		60		9		46		33
		38		630		7,837		23,646		24,642		13,183		3,192		110		26		34
		444		4,382		5		11,000		10,361		6,355		1,625		106		51		35
		83		1,852		12,274		22,029		20,675		13,248		3,521		127				36
				1		10		4		12		3								37
				33		103		69		50										38
				1,033		2,020		2,211		1,542		635		141		17		4		39
				3		9		10		7		3		1						40
				72		448		987		285		78		30		4		2		41
						303		438		388		126		25						42
						283		320		207		136		57		10		2		43
						34		212		234		93		21		1				44
						16		17		11		2		1		1				45
						4		1		5		2		1		1		1		46
						5		24		22		11		5		1				47
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⁴ Includes, also, all technical engineers not elsewhere classified.
⁵ Sometimes it was impossible, from the enumerators' returns, to distinguish between locomotive engineers and stationary engineers, and between locomotive firemen and firemen of stationary boilers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY
TRANSPORTATION AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Steam railroads—Continued.											
1 Forgemen and hammermen.....	225	225		170		39		6			1
2 Locomotive engineers ¹	101,201	101,201		92,732		8,314		114			41
3 Locomotive firemen ¹	67,096	67,096		58,196		4,157		4,642			101
4 Machinists.....	39,260	39,249	1	32,608	1	5,769		600			275
5 Mechanics (not otherwise specified).....	12,482	12,482		10,214		1,708		375			135
6 Millwrights.....	165	165		118		46		1			
7 Molders, founders, and casters (metal):											
8 Brass molders, founders, and casters.....	22	22		15		6					1
9 Iron molders, founders, and casters.....	221	221		162		52		5			2
10 Other molders, founders, and casters.....	13	13		8		3		2			
11 Painters, glaziers, and varnishers (building).....	486	486		381		80		17			8
12 Pattern and model makers.....	167	167		136		31					
13 Plumbers and gas and steam fitters.....	6,701	6,701		5,674		921		78			28
14 Sawyers.....	29	29		25		3		1			
15 Structural iron workers (building).....	511	511		376		97		34			4
16 Tinsmiths and sheet metal workers.....	2,127	2,127		1,732		372		13			10
17 Toolmakers and die setters and sinkers.....	150	150		105		42		8			
18 Upholsterers.....	398	389	7	269	3	108	2	13	2		1
19 Other skilled trades.....	20	20		21		7		1			
Apprentices:											
20 Designers' and draftsmen's apprentices.....	29	29		29							
21 Blacksmiths' apprentices.....	26	26		23		3					
22 Boiler makers' apprentices.....	134	134		118		10					6
23 Carpenters' apprentices.....	86	86		77		4		1			4
24 Electricians' apprentices.....	114	114		100		4		1			
25 Machinists' apprentices.....	786	786		749		30		4			3
26 Plumbers' apprentices.....	53	53		51		2					
27 Tinsmiths' and coppermiths' apprentices.....	26	26		25		1					
28 Other apprentices.....	1,358	1,358		1,284		43		15			16
29 Boiler washers and engine hostlers.....	18,300	18,300		10,900		2,880		3,813			647
30 Brakemen.....	88,197	88,197		80,187		4,571		3,347			92
31 Buffers and polishers (metal).....	21	20	1	12		8	1				
32 Charwomen and cleaners.....	567	166	391	40	151	48	161	63	75	6	4
33 Chauffeurs and truck and tractor drivers.....	3,470	3,470		2,708		332		395			65
34 Cooks.....	9,014	8,287	727	2,289	425	612	33	5,151	246	235	23
35 Draymen and teamsters.....	729	729		518		75		125			11
36 Elevator tenders.....	363	356	37	169	19	104	4	82	14		1
37 Filers (metal).....	34	34		29		5					
38 Firemen (except locomotive) ¹	1,734	1,734		1,158		283		265			28
39 Grinders (metal).....	20	20		16		4					
40 Guards, watchmen, and doorkeepers.....	2,366	2,366		1,753		495		128			20
41 Heaters.....	36	36		26		5		5			8
42 Housekeepers and stewards ²	1,995	1,610	385	1,139	247	285	62	178	74		8
43 Inspectors.....	39,079	39,079	13	32,217	8	6,546	5	172			133
44 Janitors.....	4,173	3,742	431	1,207	218	887	112	1,519	99		129
45 Laborers.....	435,058	431,947	3,111	203,196	1,076	81,350	746	96,865	1,127	50,536	102
46 Motormen.....	2,754	2,754		1,711		1,022		21			
47 Painters, glaziers, and varnishers (factory).....	6,984	6,984	15	5,460	12	1,258	1	180	2		72
48 Policemen.....	3,360	3,360		2,986		367		4			3
49 Porters.....	27,048	27,047	1	1,246		607		25,684	1		210
50 Switchmen and flagmen.....	92,217	91,928	289	78,453	230	10,750	40	2,554	17		171
51 Waiters.....	7,075	6,837	238	323	163	71	13	6,404	62		39
52 Yardmen.....	7,948	7,948		5,654		1,310		823			161
53 All other occupations.....	42,652	42,025	627	30,220	448	7,910	106	3,313	69		573
54 Street railroads ³	195,408	188,973	6,435	131,740	5,789	49,199	517	8,546	122	1,488	7
55 Builders and building contractors.....	10	19		12		6		1			
56 Officials and superintendents.....	3,609	3,604	5	3,195	4	409	1				
57 Foremen and overseers.....	5,827	5,822	5	4,316	4	1,442		44	1		20
58 Chemists.....	14	14		13		1					
59 Civil engineers and surveyors.....	706	706		623		79		4			
60 Draftsmen.....	297	290	7	247	6	42	1				1
61 Electrical engineers.....	684	684		605		77		1			1
62 Lawyers.....	121	121		115		6					
63 Mechanical engineers.....	145	145		125		20					
64 Photographers.....	14	14		12		2					
65 Other professional pursuits.....	17	10	7	9	5	1	2				
66 Accountants and auditors.....	968	856	112	780	107	75	5				1
67 Advertising agents.....	61	58	3	56	3	2					
68 Agents (not elsewhere classified).....	1,801	1,624	177	1,330	141	288	36	6			
69 Baggage men.....	117	117		104		10		3			
70 Bookkeepers and cashiers.....	2,268	1,172	1,096	1,047	1,007	122	89	1			2
71 Clerks.....	8,382	6,437	1,945	5,764	1,861	639	82	30	2		4
72 Collectors.....	258	171	87	139	76	32	11				
73 Commercial travelers.....	14	14		14							
74 Freight agents.....	262	260	2	246	2	14					
75 Messenger, errand, and office boys and girls.....	190	179	11	152	10	8		19	1		
76 Office appliance operators.....	172	18	154	16	145	2	8				1
77 Purchasing agents.....	90	88	2	83	2	5					
78 Salesmen and saleswomen.....	136	118	18	111	17	7	1				
79 Shipping clerks.....	54	51	3	46	2	4		1	1		
80 Stenographers and typists.....	1,880	186	1,694	176	1,640	8	52	2	2		
81 Ticket and station agents.....	1,786	1,222	564	860	444	362	120				
82 Weighers.....	13	12	1	9	1	3					
83 Other clerical pursuits.....	56	56		46		8		1			1

¹ Sometimes it was impossible, from the enumerators' returns, to distinguish between locomotive engineers and stationary engineers, and between locomotive firemen and firemen of stationary boilers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY
TRANSPORTATION AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Telegraph and telephone—Continued.											
1 Apprentices:											
2 Architects, designers, and draftsmen's apprentices.....	61	57	4	55	4	2					
3 Electricians' apprentices.....	54	54		53		1					
4 Other apprentices.....	514	462	52	447	49	13	3	1		1	
5 Charwomen and cleaners.....	818	46	272	18	110	24	131	4	31		
6 Chauffeurs and truck and tractor drivers.....	2,159	2,158	1	1,089	1	138		26		5	
7 Draymen, teamsters, and carriage drivers.....	110	110		99		6		5			
8 Elevator tenders.....	320	170	150	79	105	67	32	22	12	2	1
9 Firemen.....	187	187		118		65		4			
10 Guards, watchmen, and doorkeepers.....	543	539	4	339	3	193	1	6		1	
11 Housekeepers and stewards.....	768	9	759	6	550	2	199	1	10		
12 Inspectors.....	4,173	3,040	1,133	2,743	1,073	294	59	1		2	
13 Janitors.....	2,913	2,514	399	1,104	200	653	102	738	97	19	
14 Laborers.....	12,674	12,647	27	8,541	21	2,443		1,351	6	312	
15 Operatives.....	4,604	3,859	745	3,342	650	400	82	49	9	8	4
16 Painters, glaziers, and varnishers (factory).....	145	145		107		38					
17 Policemen.....	54	54		48		6					
18 Porters.....	793	793		114		306		373			
19 All other occupations.....	9	9		5		3		1			
19 Truck, transfer, and cab companies.....	483,148	474,860	8,288	376,545	7,565	63,579	459	40,904	248	3,832	16
20 Owners and proprietors.....	30,752	30,326	426	23,853	352	4,567	52	1,704	22	202	
21 Managers and officials.....	10,332	10,182	150	9,151	133	866	14	149	3	16	
22 Foremen and overseers.....	2,350	2,348	2	2,036	2	271		38		3	
23 Electrical engineers.....	14	14		13		1					
24 Lawyers.....	32	30	2	28	2	2					
25 Mechanical engineers.....	26	26		21		5					
26 Other professional pursuits.....	30	29	1	22	1	7					
27 Accountants and auditors.....	641	596	45	544	43	40	2	1		2	
28 Advertising agents.....	39	37	2	32	2	4		1			
29 Agents (not elsewhere classified).....	1,854	1,691	163	1,583	100	95	3	5		8	
30 Bookkeepers and cashiers.....	5,052	2,349	2,703	2,138	2,527	190	139	11	34	10	3
31 Canvassers.....	388	382	6	364	4	18	1				
32 Clerks.....	6,411	4,700	1,621	4,319	1,491	393	88	61	39	17	3
33 Collectors.....	266	205	61	195	59	8		1	1	1	1
34 Credit men.....	32	31	1	29	1	2					
35 Messenger, errand, and office boys and girls.....	319	271	48	246	39	8		13	9	4	
36 Office appliance operators.....	63	3	60	3	55	5					
37 Purchasing agents.....	65	63	2	58	2	5					
38 Salesmen and saleswomen.....	261	246	15	224	15	19		3			
39 Shipping clerks.....	352	346	6	284	4	52	1	8	1	2	
40 Stenographers and typists.....	1,877	1,088	789	98	1,682	7	77	3	10		
41 Weighers.....	26	25	1	20	1	1		4			
42 Other clerical pursuits.....	4	4		4							
43 Blacksmiths.....	161	161		81		67		10		3	
44 Cabinetmakers.....	17	17		10		7					
45 Carpenters.....	221	221		131		88		2			
46 Cranemen, derrickmen, hoistmen, etc.....	30	30		24		5		1			
47 Electricians.....	172	172		137		31		4			
48 Engineers (stationary).....	119	119		88		28		3			
49 Machinists.....	564	564		403		79		19		3	
50 Mechanics (not otherwise specified).....	3,599	3,599		2,990		460		126		14	
51 Painters, glaziers, and varnishers (building).....	27	27		19		6		2			
52 Plumbers and gas and steam fitters.....	18	18		14		4		2			
53 Tinsmiths and sheet-metal workers.....	28	28		21		7					
54 Upholsterers.....	66	66	1	51	1	12		1		1	
55 Other skilled trades.....	45	45		32		11		2			
56 Apprentices.....	22	22		21						1	
57 Bus conductors.....	1,002	1,002		455		544		2		1	
58 Charwomen and cleaners.....	43	9	34	4	7	3	2	2	24		1
59 Chauffeurs and truck and tractor drivers.....	324,159	323,216	943	261,281	839	36,359	55	22,942	44	2,634	5
60 Draymen, teamsters, and carriage drivers.....	45,818	45,795	23	32,943	14	4,471	2	8,034	0	347	1
61 Elevator tenders.....	33	32	1	24	1	3		5			
62 Firemen.....	46	46		21		16		9			
63 Guards, watchmen, and doorkeepers.....	443	442	1	333	1	87		17		5	
64 Housekeepers and stewards.....	46	24	22	19	17	2	2	3	3		
65 Inspectors.....	312	311	1	262	1	47		2			
66 Janitors.....	181	174	7	98	3	24	2	80	2	2	
67 Laborers.....	40,970	40,920	50	29,227	11	4,130	2	7,019	36	538	1
68 Officers of machinery.....	35	35		28		5		2			
69 Operatives.....	3,046	2,926	120	2,302	95	423	12	189	12	12	1
70 Painters, glaziers, and varnishers (factory).....	143	143		101		33		9			
71 Policemen.....	25	25		22		3					
72 Porters.....	491	490	1	36		31		417	1	6	
73 All other occupations.....	80	80		72		8					
74 Water transportation.....	299,804	294,423	5,381	155,781	4,384	88,434	661	44,959	328	5,249	8
75 Builders and building contractors.....	359	358	1	319	1	38		1			
76 Captains, masters, mates, and pilots.....	24,455	24,482	3	10,225	3	8,011		203		42	
77 Owners, operators, and proprietors.....	518	518	5	404	5	107				2	
78 Managers and officials.....	3,109	3,086	13	2,523	11	552		2		19	
79 Foremen and overseers.....	3,160	3,160		2,348		704		104		10	

1 Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

TRANSPORTATION AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				Water transportation—Continued.							
1 Civil engineers and surveyors.....	683	683		553		128		1		1	
2 Draftsmen.....	92	90	2	71	2	19					
3 Electrical engineers.....	98	98		80		17		1			
4 Lawyers.....	27	27		22		5					
5 Mechanical engineers ¹	534	534		411		123					
6 Mining engineers ²	10	10		7		3					
7 Trained nurses.....	14	2	12	1	12					1	
8 Other professional pursuits.....	18	16	2	12	1	4	1				
9 Accountants and auditors.....	880	850	30	698	28	148	2	1			3
10 Advertising agents.....	19	18	1	16	1	2					
11 Agents (not elsewhere classified).....	3,225	3,153	72	2,369	56	754	15	7	1		23
12 Bookkeepers and cashiers.....	2,588	2,147	441	1,772	400	358	41	9			8
13 Canvassers.....	193	192	1	169		21	1				2
14 Clerks.....	12,851	11,632	1,219	9,611	1,086	1,851	129	118	2		52
15 Collectors.....	34	33	1	29	1	4					
16 Commercial travelers.....	47	46	1	39	1	7					
17 Credit men.....	16	15	1	13	1	2					
18 Messenger, errand, and office boys and girls.....	375	372	3	292	3	37		41			2
19 Office-appliance operators.....	87	14	73	13	08	1	4		1		
20 Purchasing agents.....	171	166	5	132	4	32	1				2
21 Sales agents.....	5	4	1	4	1						
22 Salesmen and saleswomen.....	180	180	20	134	18	25	2				
23 Shipping clerks.....	583	579	4	452	4	113		10			4
24 Stenographers and typists.....	2,528	359	2,169	324	1,978	29	187	3	1	3	3
25 Weighers.....	291	289	2	205	2	69		15			
26 Blacksmiths.....	248	248		125		108		15			
27 Boilermakers.....	162	162		111		37		4			
28 Brick and stone masons and tile layers.....	15	15		6		5		3			1
29 Cabinetmakers.....	17	17		9		8					
30 Carpenters.....	3,541	3,541		1,432		2,012		75			22
31 Compositors, linotypers, and typesetters.....	95	94	1	33	1	32		19			10
32 Coopers.....	269	269		160		98		19			2
33 Coppersmiths.....	23	23		18		5					
34 Cranemen, derrickmen, hoistmen, etc.....	1,825	1,825		1,311		449		34			1
35 Electricians.....	989	989		765		217		6			1
36 Engineers (stationary).....	23,305	23,304	1	17,049	1	5,407		182			66
37 Machinists.....	1,756	1,756		1,183		531		23			19
38 Mechanics (not otherwise specified).....	938	938		707		191		24			16
39 Millwrights.....	21	21		14		6		1			
40 Painters, glaziers, and varnishers (building).....	145	145		89		45		8			3
41 Plumbers and gas and steam fitters.....	391	391		302		80		9			
42 Tinsmiths and sheet-metal workers.....	43	43		33		10					
43 Other skilled trades.....	35	35		17		14		4			
44 Apprentices.....	80	80		73		7					
45 Boatmen, canal men, and lock keepers.....	5,643	5,603	40	4,650	35	644	5	282			27
46 Charwomen and cleaners.....	42	21	21	6	9	9	5	6	7		
47 Chauffeurs and truck and tractor drivers.....	657	657		460		63		130			4
48 Cooks.....	7,700	7,398	452	2,331	234	2,146	27	2,315	101		516
49 Draymen and teamsters.....	170	170		85		9		74			2
50 Elevator tenders.....	41	40	1	26		11	1	3			
51 Firemen.....	13,621	13,621		7,150		4,644		1,500			327
52 Guards, watchmen, and doorkeepers.....	3,953	3,950	3	2,493		1,295		143			1
53 Housekeepers and stewards.....	6,030	6,026	610	2,018	304	2,057	218	811	87		240
54 Inspectors.....	454	453	1	379		72		2			
55 Janitors.....	293	293		194		99		2			
56 Laborers.....	11,320	11,327	2	6,714	1	1,458		52	3		7
57 Longshoremen and stevedores.....	73,054	73,044	10	20,756		27,265		2,920	1		220
58 Oilers of machinery.....	7,695	7,695		5,146		2,233		25,434	10		466
59 Operatives.....	2,288	2,240	48	1,446	34	666	8	102			181
60 Painters, glaziers, and varnishers (factory) ²	143	143		85		66		4			20
61 Policemen.....	242	242		183		52		6			1
62 Porters.....	736	736		59		99		436			6
63 Sailors and deck hands.....	64,700	64,692	8	35,621	5	20,422		6,650	3		1,993
64 Waiters.....	8,492	8,401	91	2,612	64	1,840	11	3,034	16		906
65 All other occupations.....	1	1									
66 Other and not specified transportation and communication.....	11,747	9,927	1,820	7,831	1,640	1,651	199	388	10		57
67 Owners, operators, and proprietors.....	342	325	17	274	14	50	3	1			
68 Managers and officials.....	1,647	1,595	52	1,374	40	205	3	1			15
69 Foremen and overseers.....	290	280	1	235	1	50		3			1
70 Civil engineers and surveyors.....	72	72		55		16					1
71 Draftsmen.....	30	37	2	30	2	6					
72 Electrical engineers.....	24	24		20		4		1			
73 Lawyers.....	13	12	1	11	1	1					
74 Mechanical engineers.....	20	20		20		9					
75 Other professional pursuits.....	12	8	4	3	4	6					
76 Accountants and auditors.....	204	276	18	237	15	39	3				
77 Advertising agents.....	27	23	4	20	4	3					
78 Agents (not elsewhere classified).....	1,053	890	163	723	149	162	14				5
79 Bookkeepers and cashiers.....	520	291	229	246	214	43	15				2
80 Canvassers.....	133	125	8	112	8	13					
81 Clerks.....	2,598	2,002	566	1,684	520	291	45	22	1		5
82 Collectors.....	27	25	2	24	2						
83 Commercial travelers.....	22	22		18		4					1
84 Messenger, errand, and office boys and girls.....	212	210	2	184	2	15		6			5

¹ Includes, also, all technical engineers not elsewhere classified.² Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

TRANSPORTATION AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				Other and not specified transportation and communication—Continued.							
1 Office appliance operators.....	10	2	14	1	14	1					
2 Purchasing agents.....	27	26	1	23	1	3					
3 Salesmen and saleswomen.....	114	106	8	95	8	10				1	
4 Shipping clerks.....	122	117	5	90	4	24		2		1	
5 Stenographers and typists.....	760	82	678	75	598	6	78		1	1	1
6 Weighers.....	10	10		9		1					
7 Other clerical pursuits.....	7	6	1	4	1	2					
8 Blacksmiths.....	12	12		7		5					
9 Carpenters.....	44	44		21		22		1			
10 Cranemen, derrickmen, hoistmen, etc.....	12	12		11		1					
11 Electricians.....	49	49		39		10					
12 Engineers (stationary).....	180	180		186		42		2			
13 Machinists.....	86	86		62		22		1		1	
14 Mechanics (not otherwise specified).....	151	151		119		32					
15 Painters, glaziers, and varnishers (building).....	12	12		8		3		1			
16 Plumbers and gas and steam fitters.....	11	11		10		1					
17 Other skilled trades.....	31	31		19		12					
18 Chauffeurs and truck and tractor drivers.....	722	722		634		60		21		7	
19 Draymen, teamsters, and carriage drivers.....	109	109		70		20		9		4	
20 Firemen.....	27	27		17		8		1		1	
21 Guards, watchmen, and doorkeepers.....	84	84		58		25		1			
22 Inspectors.....	222	222		198		23		1			
23 Laborers.....	1,061	1,054	7	501	1	274		273	6	6	
24 Operatives.....	443	419	24	293	21	108	3	18			
25 Porters.....	23	23		7		4		15			
26 All other occupations.....	85	72	13	48	7	17	4	7	2		

TRADE

27 Advertising agencies.....	64,488	48,980	15,508	44,819	14,446	4,285	1,080	310	21	57	11
28 Owners, operators, and proprietors.....	3,685	3,491	194	3,138	178	351	10			2	
29 Managers and officials.....	6,854	6,280	574	5,807	546	471	28	2			
30 Foremen and overseers.....	320	290	30	262	25	27	5	1			
31 Civil engineers and surveyors.....	14	14		13		1					
32 Designers.....	112	88	24	71	23	17	1				
33 Draftsmen.....	31	26	5	22	4	4	1				
34 Mechanical engineers.....	17	17		17							
35 Photographers.....	126	123	3	110	3	13					
36 Other professional pursuits.....	81	78	3	68	3	10					
37 Accountants and auditors.....	757	645	112	574	108	71	4				
38 Advertising agents.....	25,400	23,152	2,257	21,244	2,146	1,846	107	36	3	20	1
39 Agents (not elsewhere classified).....	237	214	23	203	21	9	2	1		1	
40 Bookkeepers and cashiers.....	1,635	432	1,203	387	1,105	45	98				
41 Canvassers.....	195	156	39	144	36	10	2				1
42 Clerks.....	7,277	2,942	4,335	2,682	4,022	251	303	8	7	1	3
43 Collectors.....	82	60	22	51	21	9					
44 Commercial travelers.....	1,128	1,088	40	1,010	30	77	1			1	
45 Credit men.....	36	33	3	29	3	4					
46 Messenger, errand, and office boys and girls.....	384	356	28	333	27	17	1	6			
47 Office appliance operators.....	310	81	229	76	220	217	5	12			
48 Purchasing agents.....	71	62	9	59	9	3					
49 Shipping clerks.....	148	141	7	117	7	18					
50 Stenographers and typists.....	6,074	170	5,904	155	5,481	14	411	6			6
51 Other clerical pursuits.....	3	3		2		1		6			
52 Carpenters.....	173	173		136		33		4			
53 Compositors, linotypers, and typesetters.....	1,199	1,168	31	951	29	210	2	3		4	
54 Electricians.....	124	124		111		13					
55 Engineers (stationary).....	21	21		16		5					
56 Engravers.....	160	159	1	134	1	25					
57 Machinists.....	29	29		22		7					
58 Mechanics (not otherwise specified).....	261	261		216		41		5			
59 Painters, glaziers, and varnishers (building).....	351	351		291		58		1		1	
60 Tinsmiths and sheet-metal workers.....	21	21		17		4					
61 Toolmakers and die setters and sinkers.....	13	13		6		7					
62 Other skilled trades.....	18	16	2	11	2	5					
63 Chauffeurs and truck and tractor drivers.....	256	256		218		25		13			
64 Draymen and teamsters.....	26	26	1	22	1	5		1			
65 Guards, watchmen, and doorkeepers.....	36	36		26		7		2			
66 Inspectors.....	30	25	5	22	5	3				1	
67 Janitors.....	35	31	4	19	2	7	1	4		1	
68 Laborers.....	794	780	5	637	3	82	2	65	1	5	
69 Painters, glaziers, and varnishers (factory).....	23	22	1	19	1	3					
70 Porters.....	44	44		12		7		25			
71 All other occupations.....	5,885	5,471	414	4,800	378	464	32	134	4	13	
72 Banking and brokerage.....	624,783	459,054	165,729	409,130	156,129	40,206	8,627	8,534	749	1,184	224
73 Bankers and bank officials.....	93,350	87,429	5,927	81,963	5,709	5,250	202	68	12	148	7
74 Commercial brokers and commission men.....	23,638	23,352	286	20,031	247	3,140	19	21		100	
75 Loan brokers and pawnbrokers.....	13,562	12,930	632	11,545	590	1,321	41	36		28	1
76 Stock brokers.....	70,950	69,157	1,793	68,350	1,670	5,645	107	90		66	2
77 Brokers not specified and promoters.....	19,098	18,444	554	17,363	504	1,958	48	34		89	1
78 Foremen and overseers.....	245	189	56	160	51	34	5	3		2	

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

COMMUNICATION—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

Table with columns for age groups (10 to 17 years old to 75 years and over) and sex (Male, Female). It contains numerical data for various categories across these dimensions.

TRADE

Large table with columns for age groups (999 to 27) and sex (Male, Female). It contains numerical data for various categories across these dimensions.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

TRADE—

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Banking and brokerage—Continued.											
1 Civil engineers and surveyors.....	136	136		120		16					
2 Draftsmen.....	85	84	1	67	1	17					
3 Electrical engineers.....	49	40		45		4					2
4 Lawyers.....	1,707	1,059	48	1,572	47	85	1				
5 Mechanical engineers ¹	74	74		66		8					
6 Mining engineers ²	11	11		11							
7 Photographers.....	12	9	3	8	3	1					
8 Social and welfare workers.....	6	2	4	2	3		1				
9 Trained nurses.....	43	4	39	3	30	1	9				
10 Other professional pursuits.....	28	20	2	25	2	1					
11 Accountants and auditors.....	14,447	13,338	1,109	11,826	1,055	1,478	52	13		21	2
12 Advertising agents.....	383	335	48	317	46	18					
13 Agents (not elsewhere classified).....	4,270	4,026	244	3,680	229	287	14	40	1	10	
14 Bookkeepers and cashiers.....	71,937	35,753	36,184	33,444	34,429	2,163	1,000	38	51	108	44
15 Canvassers.....	634	571	63	509	63	60					
16 Clerks.....	103,821	130,386	57,435	125,559	54,613	10,134	2,792	401	78	292	52
17 Collectors.....	2,598	2,492	101	2,300	97	143	2	0	2	35	
18 Commercial travelers.....	614	607	7	571	7	34					
19 Credit men.....	1,762	1,608	84	1,581	79	86				1	
20 Messenger, errand, and office boys and girls.....	10,702	16,485	277	14,199	260	1,243	10	1,016	7	22	1
21 Office appliance operators.....	1,603	311	1,382	288	1,306	21	76	3		1	1
22 Purchasing agents.....	324	292	32	267	27	23	6	2			
23 Salesmen and saleswomen.....	1,072	1,923	49	1,048	43	204	6			0	
24 Shipping clerks.....	240	228	12	190	12	25		13			
25 Stenographers and typists.....	57,909	1,632	56,287	1,574	53,497	81	2,637	0	61	21	92
26 Weighers.....	81	80	1	71	1	8		1			
27 Other clerical pursuits.....	24	24		21		3					
28 Cabinetmakers.....	13	13		6		7					
29 Carpenters.....	196	196		125		67		4			
30 Compositors, linotypers, and typesetters.....	233	213	20	179	17	31	3	2		1	
31 Electricians.....	303	303		239		59		5			
32 Engineers (stationary).....	707	707		512		185		10			
33 Engravers.....	12	12		10		1				1	
34 Machinists.....	55	55		40		15		7			
35 Mechanics (not otherwise specified).....	303	303		236		60		2			
36 Painters, glaziers, and varnishers (building).....	62	62		38		22					
37 Plumbers and gas and steam fitters.....	24	24		16		8					
38 Other skilled trades.....	21	21		18		2		1			
39 Charwomen and cleaners.....	964	91	873	41	282	37	408	12	118	1	5
40 Chauffeurs and truck and tractor drivers.....	1,134	1,133	1	897	1	106		111		10	
41 Draymen, teamsters, and carriage drivers.....	80	80		61		12		6		1	
42 Elevator tenders.....	1,013	1,364	540	821	385	280	17	255	143	8	4
43 Firemen.....	233	233		122		69		45			
44 Guards, watchmen, and doorkeepers ³	6,724	6,661	63	4,583	54	1,873	8	105	1	10	
45 Housekeepers and stewards ⁴	169	19	150	8	98	8	35	3	17		
46 Janitors.....	10,675	9,449	1,226	3,625	902	2,222	372	3,524	242	78	10
47 Laborers.....	1,612	1,591	21	962	14	311	18	294	5	24	
48 Operatives (not otherwise specified).....	842	682	160	549	135	98		32	5	3	2
49 Policemen.....	1,766	1,762	4	1,221	3	498	1	32		1	
50 Porters.....	3,313	3,313	2	434	1	670	1	2,194		13	
51 All other occupations.....	23	23		17		6					
52 Grain elevators.....	31,124	29,045	2,079	24,474	1,936	3,579	122	800	9	92	12
53 Owners, operators, and proprietors.....	1,704	1,702	2	1,569	2	133					
54 Managers and officials.....	7,801	7,732	19	7,134	10	645				3	
55 Foremen and overseers.....	800	791	9	665	8	121		14		1	1
56 Chemists.....	15	14	1	13	1	1					
57 Civil engineers and surveyors.....	12	12		10		2					
58 Draftsmen.....	24	24		22		2					
59 Electrical engineers.....	20	20		19		1					
60 Lawyers.....	13	13		12		1					
61 Mechanical engineers.....	14	14		11		3					
62 Other professional pursuits.....	2	1	1	1		1					
63 Accountants and auditors.....	159	153	6	140	5	13	1				
64 Agents (not elsewhere classified).....	323	320	3	268	3	51				1	
65 Bookkeepers and cashiers.....	1,721	893	823	853	807	44	16			1	
66 Canvassers.....	28	27	1	25	1	2					
67 Clerks.....	818	683	130	637	124	4	4	6	1	1	1
68 Collectors.....	13	11	2	10	2	1					
69 Commercial travelers.....	45	45		42		3					
70 Messenger, errand, and office boys and girls.....	40	33	7	32	6	1		1			
71 Office appliance operators.....	22	22		21	1	1					
72 Purchasing agents.....	2,203	2,193	5	1,885	3	312	2			1	
73 Salesmen and saleswomen.....	207	205	2	194	2	10				1	
74 Shipping clerks.....	50	50		39		7		4			
75 Stenographers and typists.....	579	29	550	29	523	22					
76 Weighers.....	448	447	1	357	1	87		3			
77 Other clerical pursuits.....	7	6	1	5	1	1					
78 Blacksmiths.....	17	17		8		9					
79 Carpenters.....	142	142		103		39					
80 Coopers.....	23	23		14		9					
81 Cranemen, derrickmen, hoistmen, etc.....	36	36		27		9		3			
82 Electricians.....	100	100		85		15					
83 Engineers (stationary).....	273	273		218		53		2			
84 Machinists.....	226	226		174		48		3		1	
85 Mechanics (not otherwise specified).....	214	214		190		22		2			
86 Millwrights.....	206	206		143		57		1			
87 Other skilled trades.....	33	33		20		11		2			

¹ Includes, also, all technical engineers not elsewhere classified.² Includes, also, chemical and metallurgical engineers.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

563

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
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* May include some vault custodians.

* Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

TRADE—

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Grain elevators—Continued.											
1 Chauffeurs and truck and tractor drivers.....	774	774		693		33		40		6	
2 Draymen and teamsters.....	85	85		53		15		17			
3 Firemen.....	103	103		61		30		6			
4 Guards, watchmen, and doorkeepers.....	222	222		134		81		7			
5 Inspectors.....	555	550	8	495	5	54	3	1			
6 Janitors.....	24	23	1	13	1	6		4			
7 Laborers.....	9,212	9,141	71	7,019	54	1,857	15	692		73	2
8 Oilers of machinery.....	122			63		58		1			
9 All other occupations.....	1,686	1,272	414	993	341	184	57	93	8	2	8
10 Insurance.....	507,299	338,508	168,791	292,431	157,210	33,241	8,756	7,211	2,728	925	97
11 Managers and officials.....	29,308	27,550	1,752	24,433	1,662	2,613	77	499	12	11	1
12 Chemists.....	50	42	8	37	7	5	1				
13 Civil engineers and surveyors.....	1,141	1,141		1,048		93					
14 Designers.....	4	1	3		2	1					
15 Draftsmen.....	187	123	44	107	43	16	1				
16 Electrical engineers.....	71	71		62		9					
17 Lawyers.....	1,724	1,694	30	1,613	28	79	1	2	1		
18 Mechanical engineers ¹	594	594		519		75					
19 Mining engineers ²	15	15		13		2					
20 Photographers.....	67	47	20	42	20	5					
21 Social and welfare workers.....	15	3	15	1	13	1		1			
22 Trained nurses.....	421	6	415	5	345		52		18		
23 Accountants and auditors.....	6,968	5,950	1,018	5,296	973	616	40	30	4	2	1
Agents:											
24 Advertising agents.....	130	113	17	109	16	4	1				
25 Insurance agents.....	256,927	243,974	12,953	208,592	11,037	29,634	704	5,200	1,080	548	16
26 Purchasing agents.....	176	164	12	148	12	14		2			
27 Agents (not elsewhere classified) ³	2,054	1,976	78	1,813	69	154		2		3	
28 Bookkeepers and cashiers.....	26,565	7,931	18,634	7,276	17,390	500	984	61	253	4	7
29 Canvassers.....	30	32	4	27	4	4		1			
30 Clerks.....	90,428	34,442	55,986	31,770	52,273	2,384	3,100	259	534	29	13
31 Collectors.....	5,385	5,133	252	3,087	112	877	8	548	131	21	1
32 Commercial travelers.....	200	193	7	174	7	10		2			
33 Credit men.....	154	127	7	118	7	9					
34 Messenger, errand, and office boys and girls.....	1,793	1,593	200	1,369	183	76	7	118	0		1
35 Office appliance operators.....	1,698	202	1,496	183	1,380	15	80	4	4		2
36 Shipping clerks.....	118	110	8	89	8	14		7			
37 Stenographers and typists.....	76,451	1,249	75,202	1,186	71,164	40	3,349	16	636	1	53
38 Other clerical pursuits.....	10	5	5	5							
39 Carpenters.....	79	79		43		35		1			
40 Compositors, linotypers, and typesetters.....	662	626	36	546	34	70		2	4		
41 Electricians.....	179	179		151		28					
42 Engineers (stationary).....	351	351		311		38		2			
43 Machinists.....	21	21		11		9		1			
44 Mechanics (not otherwise specified).....	372	372		302		68		2			
45 Painters, glaziers, and varnishers (building).....	32	32		23		9					
46 Plumbers and gas and steam fitters.....	17	17		12		5					
47 Other skilled trades.....	28	28		22		6					
48 Charwomen and cleaners.....	212	28	184	9	47	15	127	3	10	1	
49 Chauffeurs and truck and tractor drivers.....	129	127	2	102	2	10		12		3	
50 Elevator tenders.....	209	185	24	98	15	99	3	21	6		
51 Firemen.....	99	99		71		23		5			
52 Guards, watchmen, and doorkeepers.....	599	592	7	383	2	114	4	1		1	
53 Housekeepers and stewards ⁴	195	4	91	1	60	2	28	4	3		
54 Janitors.....	621	518	103	187	47	135	40	160	15		1
55 Laborers.....	215	212	3	123	1	55		34	1		1
56 Operatives (not otherwise classified).....	480	270	204	223	101	43	11	10	2		
57 Policemen.....	52	52		42		10					
58 Porters.....	382	382		95		134		153			
59 All other occupations.....	22	21	1	14	1	7					
60 Real estate.....	288,192	223,273	64,919	175,371	57,190	43,159	6,612	4,266	645	477	172
61 Managers and officials.....	5,693	5,124	479	4,450	449	643	29	20	1	5	
62 Civil engineers and surveyors.....	464	464		423		40		1			
63 Draftsmen.....	80	77	3	67	3	10					
64 Electrical engineers.....	13	13		13							
65 Lawyers.....	581	571	10	514	10	51		6			
66 Mechanical engineers.....	48	48		42		5		1			
67 Other professional pursuits.....	13	11	2	7	2	3				1	
68 Accountants and auditors.....	1,581	1,405	176	1,198	165	203	10	3		1	1
Agents:											
69 Advertising agents.....	109	87	22	81	21	6	1				
70 Purchasing agents.....	23	22	1	20	1	2					
71 Real estate agents.....	234,427	203,119	31,308	158,337	25,048	40,826	4,784	3,557	472	399	104
72 Agents (not elsewhere classified).....	922	906	16	816	11	87	4	2	1	1	
73 Bookkeepers and cashiers.....	8,424	2,291	6,133	2,044	5,615	220	426	19	82	8	10
74 Canvassers.....	106	32	74	30	87	2		7			
75 Clerks.....	12,929	5,166	7,754	4,609	7,223	450	432	96	87	11	12
76 Collectors.....	1,352	1,236	116	983	99	170		70	7	13	1
77 Commercial travelers.....	68	56	2	49	2	7					
78 Credit men.....	36	34	2	30	2	4					

¹ Includes, also, all technical engineers not elsewhere classified.² Includes, also, chemical and metallurgical engineers.³ Includes 3 males and 1 female returned as "sales agents."

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

TRADE—

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Real estate—Continued.											
1 Messenger, errand, and office boys and girls.....	410	343	76	283	64	24	4	30	6	6	2
2 Office appliance operators.....	84	4	30	4	27	5	2	1	1	1	1
3 Stenographers and typists.....	19,012	444	18,568	399	17,404	30	864	9	261	6	30
4 Other clerical pursuits.....	4	3	1	3	1						
5 Compositors, linotypers, and typesetters.....	10	9	1	6	1	2		1			
6 Engineers (stationary).....	183	183		112	5	60		11			
7 Machinists.....	13	13		11		1		1			
8 Mechanics (not otherwise specified).....	219	219		159		43		17			
9 Other skilled trades.....	23	23		22						1	
10 Charwomen and cleaners.....	40	0	31	4	4	2	17	3	10		
11 Chauffeurs and truck and tractor drivers.....	373	370	3	273	3	32		56		9	
12 Draymen and teamsters.....	37	37		28		5		4			
13 Elevator tenders.....	78	72	6	40	3	23		9	3		
14 Firemen.....	39	39		23		12		4			
15 Guards, watchmen, and doorkeepers.....	160	160		89		44		24		3	
16 Housekeepers and stewards ¹	48	4	44	4	39		3		1		1
17 Janitors.....	525	405	60	157	26	109	20	186	13	13	1
18 Porters.....	192	191	1	19		37		189	1		1
19 All other occupations.....	23	23		16		6		1			
20 Stockyards ²	17,763	17,220	543	10,987	602	3,480	33	2,280	8	493	
21 Managers and officials.....	421	420	1	390	1	30					
22 Foremen and overseers.....	623	623		491		116		15		1	
23 Civil engineers and surveyors.....	13	13		12		1					
24 Other professional pursuits.....	17	17		14		3					
25 Accountants and auditors.....	92	91	1	79	1	12					
26 Agents (not elsewhere classified).....	73	73		67		5		1			
27 Bookkeepers and cashiers.....	455	365	90	350	83	15	7				
28 Canvassers.....	25	25		23		2					
29 Clerks.....	1,084	961	123	860	120	90	3	8		3	
30 Commercial travelers.....	40	40		37		3					
31 Messenger, errand, and office boys and girls.....	76	76		70		3		3			
32 Office appliance operators.....	30	4	26	4	23		3				
33 Purchasing agents.....	591	529	2	492	1	36	1	1			
34 Salesmen and saleswomen.....	2,358	2,350	8	2,219	8	120		7		4	
35 Shipping clerks.....	88	86	2	62	1	14	1	10			
36 Stenographers and typists.....	291	27	264	26	265	1	9				
37 Weighers.....	397	389	8	356	3	29	3	4	2		
38 Other clerical pursuits.....	16	16		14		2					
39 Blacksmiths.....	27	27		22		5					
40 Carpenters.....	246	240		129		115		1		1	
41 Electricians.....	55	55		49		5		1			
42 Engineers (stationary).....	55	55		43		11		1			
43 Machinists.....	68	68		26		33		7		2	
44 Mechanics (not otherwise specified).....	42	42		20		13		9			
45 Millwrights.....	35	35		7		26		1		1	
46 Painters, glaziers, and varnishers (building).....	15	15		6		7		2			
47 Plumbers and gas and steam fitters.....	84	84		51		23		10			
48 Tinsmiths and sheet metal workers.....	19	19		10		9					
49 Other skilled trades.....	12	12		7		2		3			
50 Chauffeurs and truck and tractor drivers.....	310	310		245		37		27		1	
51 Draymen and teamsters.....	109	109		73		32		4			
52 Elevator tenders.....	43	43		9		22		12			
53 Firemen.....	55	55		17		19		18		1	
54 Guards, watchmen, and doorkeepers.....	252	251	1	153	1	88		9		1	
55 Inspectors.....	299	298		9		20		11		1	
56 Janitors.....	97	91	6	16		39	3	36	3		
57 Laborers.....	8,735	8,733	2	3,941	2	2,340		1,982		470	
58 Policemen.....	43	43		23		10		1			
59 Porters.....	23	23		1		22		1			
60 All other occupations.....	500	501	8	287	3	132	3	74	2	8	
61 Warehouses and cold storage plants.....	59,394	58,462	5,932	37,982	5,145	8,843	527	6,182	194	455	66
62 Owners, operators, and proprietors.....	1,456	1,434	22	1,260	21	163	1	10		1	
63 Managers and officials.....	5,933	5,893	40	5,415	36	469	4	8		1	
64 Foremen and overseers.....	3,292	3,259	33	2,727	30	481	3	41		10	
65 Chemical engineers ³	10	10		9		1					
66 Chemists.....	16	16		12		4					
67 Civil engineers and surveyors.....	39	39		34		4				1	
68 Draftsmen.....	24	24		22		2					
69 Electrical engineers.....	57	57		48		8		1			
70 Mechanical engineers ⁴	307	307		257		50					
71 Other professional pursuits.....	8	6	2	6	1		1				
72 Accountants and auditors.....	332	308	24	235	22	22	2			1	
73 Agents (not elsewhere classified).....	184	181	3	166	3	14		1			
74 Bookkeepers and cashiers.....	2,334	1,370	964	1,281	907	86	56	1		2	1
75 Canvassers.....	167	167		153		14					
76 Collectors.....	6,570	5,557	1,013	4,649	926	751	72	124	12	33	3
77 Commercial travelers.....	32	28	4	26	3	2	1				
78 Credit men.....	58	58		50		8					
79 All other occupations.....	16	16		16							

¹ Includes hostesses and matrons.² Sometimes it was impossible, from the enumerators' returns, to distinguish between workers in stockyards and workers in slaughter and packing houses.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN		
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
197	14	77	20	37	17	7	13	7	8	0	2	4	1	4	1	4			1	
26	894	72	2,970	156	6,998	120	5,229	37	1,700	18	540	11	122	3	13	1			12	
				1	1	3		2		2		1		0		1			5	
				5		37		49		56		26		2		0			6	
		2		16		48		5		5		2		5		1			7	
						8		6		4		3		1		1			8	
1		1		1	1	3	3	10		12		4	4		1	1			10	
5		23		75		140	2	70	1	31		12	4	4			1		11	
1		1		3		7		5		7		10	3	3					12	
2		4	1	9		21	3	6		14	2	9	6	6		1			13	
				5		4		12		9		4	5	5					14	
		1		0		8		16		36		52	35	6		0			15	
		1		1	1	6	6	14	1	1	12	7	1	3	3	0	1		16	
3		3		24	3	74	12	121	19	108	12	83	11	30	3	13			17	
4		5		2		51		39		40	1	21	10	10		1			18	
2						8		1		5		4				1			19	
307	24	542	57	1,895	162	4,008	181	4,523	80	3,322	23	1,857	7	872	3	80		14	20	
		2		0		55		135	1	116		66		37		2		1	21	
		1		32		126		168		148		102		44		2			22	
				1		2		3		5		2							23	
				2		5		5		4		1							24	
		1		4		25	1	29		15		14		3					25	
1		1		4		9		24		22		5		7					26	
1	1	10	7	66	20	122	34	96	22	38	6	21	8	8		3			27	
				1		7		9		4		3		1					28	
34	10	73	15	205	35	280	40	179	15	93	7	66	7	3	1	3		1	29	
		1		2		8		13		11		5		27		3			30	
53		13		5				1		2		2							31	
2			1	9			14	2		2									32	
		3		32		119	1	143		117	1	78		29		8			33	
8		12		109		531	3	731	2	511		320	2	113		10		5	34	
2		2	1	15		20		20		10		11		1					35	
	12	1	31	12	02	7	84	6	34	1	7		4						36	
2	1	16	2	50	2	113	2	79	1	69		36		19		6			37	
		1				4		6		4		1							38	
		1				5		4		10		7							39	
		1		12		35		51		79		49		16		2		1	40	
		1		16		13		12		10		3		1					41	
		1		2		9		10		16		14		2		1			42	
		1		6		17		18		16		7		3					43	
		1		2		13		13		9		3		1		1			44	
		1		1		4		12		11		6							45	
				3		5		3		3		2		2					46	
				16		17		25		12		10		1					47	
		3		2		3		5		4		8		2					48	
		1		2		3		1		3		2							49	
		1				5		4		10		7							50	
6		21		14		94		70		32		19		4					51	
1		2		4		21		24		33		12		2					52	
		1		4		0		14		11		4							53	
		2		6		14		16		14		7		2					54	
		2		9	1	8		42		63		74		46		10			54	
		2		9		33	1	75		82		71		20		5		1	55	
		4		2		11		15	3	22		23	1	12		1			56	
181		336		1,119		2,138		2,326		1,024	1	748		231		25		5	57	
				2		5		9		10		10		7					58	
		1		5		3		4		3		2		5					59	
		27		54	2	115	1	126	5	89		48		27					60	
704	426	1,729	713	6,784	1,572	13,986	1,517	12,643	961	9,596	473	5,632	202	1,974	55	266	5	58	8	61
		1		19		168		300	4	383	8	321	5	129	5	19		4		62
		13		273	1	1,434	10	1,791	10	1,324	10	798	4	226	4	29		5	1	63
		16	1	200	3	884	12	927	10	740	4	386	2	97	1	8		1		64
						4		2		2		2								65
						3		4		1		1								66
						9		13		9		5								67
		3		11		7		7		7										68
				5		11		19		13		6		1		2				69
		15		84		96		73		30		30		9						70
				2	1	1		1		3	1									71
																				72
				115	8	95		7		37	5	22	1	7		1				73
				54		70		2		25	1	15		7		1				74
13	13	48	67	240	271	462	342	292	182	178	71	100	16	32	1	3			2	75
		1		18		46		52		28		18		3		1				76
132	54	348	146	1,126	309	1,693	301	1,072	137	659	44	383	20	122	1	16		1	6	77
		3		6		21		12		6		7		4						78
				2		6		6		2		2		1						79

* Included, in other occupation tables, in the group "Mining engineers."
 † Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

TRADE—

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Warehouses and cold storage plants—Contd.											
1 Messenger, errand, and office boys and girls.....	102	91	11	82	11	2		7			
2 Office appliance operators.....	90	10	80	8	78	2	2				
3 Purchasing agents.....	89	89		80		9					
4 Salesmen and saleswomen.....	382	376	6	337	6	31		6		2	
5 Shipping clerks.....	1,800	1,870	20	1,443	20	357		62		8	
6 Stenographers and typists.....	1,438	88	1,350	83	1,284	4	60	1	4		2
7 Weighers.....	272	268	4	240	2	12	1	16	1		
8 Other clerical pursuits.....	10	9	1	9	1						
9 Blacksmiths.....	29	29		19		9		1			
10 Cabinetmakers.....	54	54		21		32		1			
11 Carpenters.....	229	229		158		62		8		1	
12 Coopers.....	63	63		26		23		14			
13 Cranemen, derrickmen, hoistmen, etc.....	30	30		19		9		2			
14 Electricians.....	204	204		172		30		1		1	
15 Engineers (stationary).....	1,187	1,187		935		242		10			
16 Machinists.....	233	233		162		68		2		1	
17 Mechanics (not otherwise specified).....	370	370		304		59		4		3	
18 Millwrights.....	16	16		11		3		2			
19 Painters, glaziers, and varnishers (building).....	26	26		19		4		2		1	
20 Plumbers and gas and steam fitters.....	114	114		88		25		1			
21 Tinsmiths and sheet metal workers.....	15	15		12		2		1			
22 Other skilled trades.....	41	39	2	30	2	9					
23 Chauffeurs and truck and tractor drivers.....	3,488	3,488		2,485		276		704		23	
24 Draymen and teamsters.....	443	443		290		54		98		1	
25 Elevator tenders.....	237	230	7	120	4	77	1	32	2	1	
26 Firemen.....	265	265		144		98		23			
27 Guards, watchmen, and doorkeepers.....	1,724	1,716	8	1,140	4	454	2	100	2	22	
28 Inspectors.....	506	419	87	263	77	57	7	98	3	1	
29 Janitors.....	391	376	15	144	7	115	4	111	4	6	
30 Laborers.....	18,699	18,205	494	10,130	380	3,730	50	4,033	48	312	10
31 Oilers of machinery.....	52	52		37		15					
32 Painters, glaziers, and varnishers (factory).....	34	34		21		10		2		1	
33 Porters.....	554	553	1	76		159		316	1	2	
34 All other occupations.....	5,282	3,541	1,741	2,458	1,320	725	260	338	117	20	44
WHOLESALE AND RETAIL TRADE											
35 Automobile agencies, stores, and filling stations.....	498,360	466,393	32,967	420,048	31,209	31,808	1,674	11,990	121	1,549	53
36 Retail dealers, automobiles and accessories.....	61,507	60,991	516	54,829	466	5,979	46	108	3	75	1
37 Retail dealers, gasoline and oil filling stations.....	89,190	87,095	2,095	78,921	1,869	7,539	192	334	25	301	9
38 Electrical engineers.....	16	16		14		2					
39 Lawyers.....	17	15	2	14	2					1	
40 Mechanical engineers.....	38	38		34		4					
41 Other professional pursuits.....	28	28		24		4					
42 Accountants and auditors.....	2,913	2,678	235	2,475	226	199	9	1		3	
43 Advertising agents.....	147	139	8	132	7	6	1	1			
44 Agents (not elsewhere classified).....	1,123	1,117	6	1,064	6	49		3		1	
45 Bookkeepers and cashiers.....	18,503	7,546	10,957	7,222	10,502	307	431	2	12	15	12
46 Canvassers.....	61	57	4	51	4	5		1			
47 Clerks.....	16,178	11,822	4,356	10,974	4,131	755	217	58	7	35	1
48 Collectors.....	820	787	33	749	32	30	1	1		7	
49 Credit men.....	852	815	37	782	34	33	3				
50 Messenger, errand, and office boys and girls.....	253	231	22	209	20	5	1	16	1	1	
51 Office appliance operators.....	197	9	188	8	180	1	7			1	
52 Purchasing agents.....	274	268	6	241	6	27					
53 Sales agents.....	149	148	1	140	1	7					
54 Salesmen and saleswomen.....	240,678	237,787	2,891	221,927	2,652	13,480	184	1,087	38	603	17
55 Shipping clerks.....	708	696	12	641	12	41		12		2	
56 Stenographers and typists.....	11,669	358	11,311	347	10,841	9	454		4	2	12
57 Other clerical pursuits.....	27	26	1	25	1	1					
58 Blacksmiths.....	15	15		9		6					
59 Carpenters.....	144	144		113		29		1		1	
60 Electricians.....	498	438	60	406	28	28		2		2	
61 Engineers (stationary).....	315	315		283		29		1		2	
62 Machinists.....	1,125	1,125		969		115		34		7	
63 Mechanics (not otherwise specified).....	9,806	9,806		8,442		798		517		49	
64 Painters, glaziers, and varnishers (building).....	111	111		87		22		1		1	
65 Plumbers and gas and steam fitters.....	115	115		90		23		2			
66 Tinsmiths and sheet-metal workers.....	14	14		12		2					
67 Upholsterers.....	22	22		17		5					
68 Other skilled trades.....	34	33	1	24	1	8				1	
69 Apprentices.....	33	33		28		2		2		1	
70 Charwomen and cleaners.....	31	14	17	3	8	3	5	8	4		
71 Chauffeurs and truck and tractor drivers.....	6,031	6,012	19	5,179	18	332	1	476		25	
72 Draymen and teamsters.....	65	65		54		3		7		1	
73 Elevator tenders.....	52	51	1	33	1	9		8		1	
74 Firemen.....	48	48		39		7		2			
75 Guards, watchmen, and doorkeepers.....	867	865	2	639	2	166		54		6	
76 Inspectors.....	140	135	5	125	5	8		2			
77 Janitors.....	751	739	12	315	6	107	2	301	4	16	
78 Laborers.....	30,151	30,000	61	20,263	37	1,440	6	8,113	18	284	
79 Oilers of machinery.....	41	41		28		3		10			
80 Painters, glaziers, and varnishers (factory).....	2,450	2,299	151	1,918	132	152	14	215	5	14	
81 Other occupations.....	190	190		154		25		9		2	
82	13	6	7	5	7	1					

many of these are proprietors of automobile agencies.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

ELSEWHERE CLASSIFIED)—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

Table with columns for age groups (10 TO 17 YEARS OLD, 18 AND 19 YEARS OLD, etc.) and sex (Male, Female). Rows represent various occupational categories. Data points are numerical counts for each intersection of age and sex.

SERVICE

Table with 18 columns representing different service categories and rows representing occupational groups. Data points are numerical counts for each category.

* Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

PROFESSIONAL

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Professional service (except recreation and amusement)—Continued.											
<i>Professional pursuits—Continued</i>											
1 Lawyers.....	130,059	136,198	2,861	125,042	2,565	0,833	272	1,152	23	171	1
2 Librarians.....	29,613	2,557	27,056	2,197	25,082	318	1,179	30	180	12	15
3 Mechanical engineers ¹	13,855	13,845	10	11,432	7	2,374	1	23		16	
4 Mining engineers ²	3,670	3,668	2	3,102	2	552				14	
5 Osteopaths.....	0,117	4,554	1,563	4,238	1,458	300	100	14	5	2	
6 Photographers.....	33,840	26,053	7,787	19,535	0,917	5,092	759	425	78	398	33
7 Physicians and surgeons.....	153,903	146,978	6,825	125,953	5,722	10,859	993	3,713	92	463	18
8 Social and welfare workers.....	29,424	6,173	23,251	5,105	20,271	844	2,162	188	701	36	57
9 Teachers (athletics, dancing, etc.).....	18,599	12,288	6,311	10,310	5,798	1,740	442	188	56	44	16
10 Teachers (school).....	1,044,016	100,049	853,967	169,405	775,801	11,326	30,921	8,707	45,672	551	1,573
11 Trained nurses.....	287,951	5,152	282,799	3,950	241,215	1,020	35,083	142	5,445	28	450
12 Veterinary surgeons.....	11,803	11,852	11	10,677	7	1,029	3	133	1	13	
13 Other professional occupations.....	47,942	30,141	17,801	25,972	16,076	3,631	1,479	152	184	386	62
<i>Semiprofessional pursuits</i>											
14 Abstracters, notaries, and justices of peace.....	11,756	9,848	1,908	9,149	1,825	621	56	34	23	44	4
15 Architects, designers, and draftsmen's apprentices.....	958	988	20	880	18	55	2	1		2	
16 Apprentices to other professional persons.....	3,935	3,861	74	3,635	68	184	5	15	1	27	
17 Chiropractors.....	11,916	9,203	2,713	7,833	2,416	1,196	254	142	42	32	
18 Healers (not elsewhere classified).....	17,640	7,866	9,774	4,696	7,333	2,103	2,037	618	383	459	21
19 Keepers of charitable and penal institutions.....	16,020	9,498	5,522	8,170	4,545	1,180	899	96	106	22	4
20 Officials of lodges, societies, etc.....	14,515	11,513	3,002	9,460	2,675	1,606	159	287	104	70	2
21 Religious workers.....	31,290	11,339	19,951	8,514	14,425	2,268	4,532	434	702	123	232
22 Technicians and laboratory assistants.....	15,988	8,288	7,700	6,474	7,069	1,609	583	151	45	54	3
23 Other semiprofessional occupations.....	1,831	1,357	474	1,012	398	313	59	28	15	4	2
<i>Attendants and helpers</i>											
24 Dentists' assistants and attendants.....	13,715	770	12,945	644	11,070	78	707	37	233	11	35
25 Librarians' assistants and attendants.....	1,865	502	1,363	418	1,291	65	68	12	3	7	1
26 Laborers.....	25,393	23,762	1,621	14,485	1,080	4,873	284	3,006	241	498	16
27 Physicians' and surgeons' attendants.....	14,042	690	13,353	478	11,483	92	813	108	933	13	124
28 Porters.....	7,766	7,760	16	2,564	10	2,150	4	2,928	2	108	
29 Other attendants and helpers.....	48,250	27,347	20,912	22,463	10,027	3,835	3,364	880	507	169	54
<i>Other occupations</i>											
30 Accountants and auditors.....	14,846	13,716	1,130	11,629	1,046	2,049	79	20	5	9	
31 Advertising agents.....	234	175	59	159	56	11	3	4		1	
32 Agents (not elsewhere classified).....	1,781	1,511	270	1,323	233	176	31	6	5	4	1
33 Bookkeepers and cashiers.....	20,816	3,511	17,305	3,028	15,852	403	1,186	62	242	13	25
34 Canvassers.....	3,039	2,537	502	2,265	454	260	43	3	4	9	1
35 Clerks.....	89,148	22,337	66,811	10,305	62,106	2,503	3,805	401	795	128	105
36 Collectors.....	911	736	175	540	155	188	17	7	3	1	
37 Commercial travelers.....	305	285	20	261	19	21	1	1		2	
38 Credit men.....	162	116	46	107	41	9	4		1		
39 Messenger, errand, and office boys and girls.....	3,598	2,832	766	2,498	692	168	20	184	38	12	7
40 Office appliance operators.....	516	184	332	165	318	13	14	6			
41 Purchasing agents.....	570	407	163	368	140	37	22	2			
42 Sales agents.....	14	7	7	6	7	1					
43 Shipping clerks.....	245	236	9	179	8	38		19	1		
44 Stenographers and typists.....	98,087	2,002	91,085	1,820	85,764	109	4,236	53	018	20	177
45 Weighers.....	34	30	4	26	4	4					
46 Blacksmiths.....	225	225		155		56		10		4	
47 Cabinetmakers.....	174	174		102		69		3			
48 Compositors, linotypers, and typesetters.....	473	411	62	350	54	47	8	10		4	
49 Cranemen, derrickmen, hoistmen, etc.....	16	16		13		3					
50 Engineers (stationary).....	11,330	11,327	3	8,411	2	2,606	1	169		51	
51 Machinists.....	865	865		623		235		6		1	
52 Mechanics (not otherwise specified).....	1,962	1,962		1,532		359		56		15	
53 Millwrights.....	22	22		16		6					
54 Pattern and model makers.....	34	34		23		11					
55 Toolmakers and die setters and sinkers.....	25	25		14		10		1			
56 Upholsters.....	60	55	5	38	4	16		1	1		
57 Other skilled trades.....	26	26		19		6		1			
58 Charwomen and cleaners.....	6,168	1,445	4,723	767	2,494	522	1,599	142	607	14	23
59 Chauffeurs and truck and tractor drivers.....	5,869	5,848	21	4,621	15	600	2	581	4	46	
60 Cooks.....	22,029	0,802	15,227	3,190	9,160	1,638	3,090	1,712	2,853	262	124
61 Draymen, teamsters, and carriage drivers.....	820	819	1	640	1	130		43		6	
62 Elevator tenders.....	2,042	1,603	439	939	263	381	37	230	138	53	1
63 Firemen.....	8,251	8,251		5,323		2,187		707		29	
64 Guards, watchmen, and doorkeepers.....	6,172	5,750	422	4,156	322	1,368	84	201	15	25	1
65 Housekeepers and stewards.....	14,877	1,947	13,230	1,021	9,777	243	2,885	64	452	19	116
66 Janitors and sextons.....	100,855	91,100	9,755	57,008	6,095	19,957	1,977	13,345	1,615	730	68
67 Machinists' apprentices.....	37	37		31		6					
68 Others of machinery.....	70	70		46		18		6			
69 Policemen.....	377	372	5	294	5	62		7		9	
70 Waiters.....	14,050	3,884	10,166	2,051	7,374	739	1,918	376	839	218	35
71 All other occupations.....	27	27		25		2		1		1	

¹ Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

SERVICE—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

Table with 20 columns for age groups (10 to 17 years old to 75 years and over) and 2 columns for sex (Male, Female). Rows represent various occupations, with data values for each age and sex category.

* Includes, also, chemical and metallurgical engineers.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

PROFESSIONAL

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
1 Recreation and amusement.....	443,205	312,803	130,403	227,300	114,314	51,323	9,779	29,476	5,634	4,698	676
2 Billiard room, dance hall, skating rink, etc., keepers.....	29,129	28,819	310	19,851	209	6,347	55	1,914	21	707	25
3 Directors, managers, and officials, motion picture production.....	1,923	1,888	35	1,654	34	320	1	5	0	0	0
4 Keepers of pleasure resorts, race tracks, etc.....	10,718	9,741	977	8,096	835	1,500	127	99	10	46	5
5 Theatrical owners, managers, and officials.....	19,723	18,691	1,032	15,056	933	2,800	85	155	11	80	3
6 Actors.....	37,093	18,703	19,290	13,741	15,773	3,253	2,002	1,327	1,290	382	216
7 Chemical engineers ¹	9	9	0	8	1	1	0	0	0	0	0
8 Chemists.....	76	75	1	57	1	17	0	0	0	1	0
9 Civil engineers and surveyors.....	81	81	0	67	0	14	0	0	0	0	0
10 Designers.....	80	40	40	31	33	8	7	0	0	1	0
11 Draftsmen.....	104	101	3	72	1	28	2	0	0	1	0
12 Electrical engineers.....	580	580	0	512	0	65	0	1	0	2	0
13 Lawyers.....	36	36	0	32	0	4	0	0	0	0	0
14 Mechanical engineers ²	211	211	0	174	0	37	0	0	0	0	0
15 Musicians and teachers of music.....	165,128	85,517	79,611	57,418	71,611	18,983	4,942	7,747	2,836	1,369	222
16 Photographers.....	2,049	1,777	272	1,462	242	283	24	11	3	21	3
17 Showmen.....	37,303	35,808	1,495	29,685	1,224	4,209	128	1,405	99	509	44
18 Social and welfare workers.....	15	5	10	4	8	2	2	1	0	0	0
19 Trained nurses.....	16	1	15	13	1	1	0	1	0	0	0
20 Accountants and auditors.....	1,093	992	101	852	91	136	10	0	0	4	0
21 Advertising agents.....	908	873	35	793	34	74	1	4	0	2	0
22 Agents (not elsewhere classified).....	1,251	1,131	120	982	112	137	6	10	1	2	1
23 Bookkeepers and cashiers.....	12,363	2,489	9,874	2,163	9,020	265	523	34	285	27	46
24 Canvassers.....	154	133	21	118	19	15	2	0	0	0	0
25 Clerks.....	11,779	8,045	3,734	6,889	3,360	843	293	178	61	135	20
26 Collectors.....	34	29	5	27	5	2	0	0	0	0	0
27 Commercial travelers.....	299	291	8	255	8	34	0	2	0	0	0
28 Credit men.....	18	18	0	18	0	0	0	0	0	0	0
29 Messenger, errand, and office boys and girls.....	454	425	29	364	26	23	3	34	0	4	0
30 Office appliance operators.....	126	26	100	23	04	2	6	1	0	0	0
31 Purchasing agents.....	147	140	7	121	6	19	1	0	0	0	0
32 Sales agents.....	1	1	0	1	0	0	0	0	0	0	0
33 Salesmen and saleswomen.....	1,063	1,568	95	1,339	86	189	4	16	1	24	4
34 Shipping clerks.....	327	321	6	283	6	27	0	11	0	0	0
35 Stenographers and typists.....	3,521	120	3,392	116	3,139	11	237	1	12	1	4
36 Blacksmiths.....	187	187	0	138	0	38	0	10	0	1	0
37 Cabinetmakers.....	52	52	0	22	0	30	0	0	0	0	0
38 Compositors, linotypers, and typesetters.....	119	87	32	73	25	12	7	1	0	1	0
39 Electricians.....	4,278	4,278	0	3,824	0	412	0	32	0	10	0
40 Engineers (stationary).....	1,027	1,026	1	748	1	254	0	23	0	1	0
41 Machinists.....	557	557	0	391	0	100	0	5	0	1	0
42 Mechanics (not otherwise specified).....	1,896	1,596	300	1,312	0	253	0	25	0	6	0
43 Millwrights.....	11	11	0	7	0	4	0	0	0	0	0
44 Pattern and model makers.....	16	16	0	10	0	6	0	0	0	0	0
45 Toolmakers and die setters and sinkers.....	60	60	0	37	0	21	0	2	0	0	0
46 Upholsterers.....	20	18	2	13	2	5	0	0	0	0	0
47 Other skilled trades.....	18	18	0	14	0	4	0	0	0	0	0
48 Apprentices:											
49 Electricians' apprentices.....	24	24	0	21	0	3	0	0	0	0	0
50 Other apprentices.....	10	10	0	8	0	2	0	0	0	0	0
51 Attendants, pool rooms, bowling alleys, golf clubs, etc.....	16,168	16,047	121	10,526	34	1,029	6	4,049	71	443	10
52 Charwomen and cleaners.....	1,147	139	1,008	59	489	24	338	50	180	6	1
53 Chauffeurs and truck and tractor drivers.....	1,226	1,226	0	1,049	0	112	0	57	0	8	0
54 Cooks.....	596	383	213	204	120	84	31	83	60	12	2
55 Draymen, teamsters, and carriage drivers.....	284	284	0	230	0	30	0	22	0	3	0
56 Elevator tenders.....	153	112	41	63	15	21	4	25	22	2	0
57 Firemen.....	378	378	0	227	0	108	0	43	0	1	0
58 Guards, watchmen, and doorkeepers.....	1,742	1,732	10	1,197	7	402	2	115	1	18	0
59 Helpers, motion picture production.....	2,213	1,234	979	1,007	882	208	80	12	2	7	6
60 Housekeepers and stewards ³	1,190	315	875	171	645	104	146	39	76	1	8
61 Janitors.....	7,408	6,676	732	3,125	407	1,247	175	2,134	147	170	3
62 Laborers, recreation and amusement.....	20,893	29,458	435	20,066	280	4,559	59	4,349	93	484	3
63 Policemen.....	416	412	4	333	3	72	1	6	0	1	0
64 Porters.....	5,132	5,130	2	556	0	334	0	4,179	2	61	0
65 Stage hands and circus helpers.....	4,274	4,099	175	3,576	135	408	22	90	14	25	4
66 Theater ushers.....	12,461	9,308	3,153	8,335	2,840	666	165	285	124	22	24
67 Waiters.....	423	276	152	90	123	67	19	113	10	6	4
68 Other attendants and helpers, recreation and amusement.....	2,111	1,543	568	1,286	428	222	76	31	60	4	4
69 Other recreational occupations.....	8,608	7,410	1,232	5,824	955	774	177	740	132	78	18

¹ Included, in other occupation tables, in the group "Mining engineers."² Includes, also, all technical engineers not elsewhere classified.

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

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OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

SERVICE—Continued

and supervisory pursuits, professional pursuits, clerical and kindred pursuits, skilled trades, and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
14,682	3,657	10,569	8,561	48,721	25,933	83,007	36,403	68,642	27,913	45,303	16,714	24,723	8,092	0,420	2,576	1,348	363	407	201	1		
		200		1,498	21	6,653	78	0,151	104	6,482	71	3,473	27	1,188	6	143	2	25	1	2		
		15		139	2	597	11	713	14	331	6	77	1	13		3		1	1	3		
		1		425	37	1,680	119	2,060	265	2,571	288	1,637	175	040	79	96	11	13	3	4		
		381		2,003	111	4,812	292	5,361	324	3,793	199	1,735	76	485	22	48	5	23	3	5		
		210	1,005	502	2,405	2,086	6,132	5,750	5,786	4,810	2,403	2,952	1,037	1,232	395	412	80	40	14	61	33	
				2		5		1		1				1							6	
				15		25		19		13				2							7	
				10		31		30		8				1							8	
				5		16		14		3				1							9	
				3		48		25		8				1							10	
				8		315		121		40				12							11	
				1		10		6		13				2							12	
				20		91		58		26				2							13	
				26		91		58		26				2							14	
				20		91		58		26				2							15	
				21		81		429		40				5							16	
				20		81		429		40				5							17	
				750		1,993		12,493		523		7,972		1,091		310		2	48	2	51	3
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*Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

DOMESTIC AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
1 Hotels, restaurants, boarding houses, etc.....	1,367,381	693,220	664,161	326,010	454,261	212,367	96,391	122,273	105,893	32,570	7,026
2 Boarding and lodging house keepers.....	144,371	17,093	127,278	10,597	88,262	5,009	25,086	997	12,112	490	1,818
3 Hotel keepers and managers.....	56,848	39,538	17,310	28,793	14,729	9,200	2,089	741	323	804	169
4 Housekeepers and stewards.....	30,626	8,498	22,128	4,817	16,884	2,969	4,054	606	1,032	106	158
5 Restaurant, café, and lunch room keepers.....	165,466	126,398	40,068	70,912	29,347	46,868	4,873	5,365	6,178	3,753	610
6 Chemists.....	21	17	4	6	3	10	1	1			
7 Civil engineers and surveyors.....	39	39		33	5	5					
8 Draftsmen.....	21	17	4	16	3	1	1				
9 Electrical engineers.....	129	129		105	17	17		7			
10 Mechanical engineers.....	112	112		88	23	23		1			
11 Photographers.....	11	9	2	5	1	3	1			1	
12 Trained nurses.....	73	4	69	2	56	2	11	1	2		
13 Other professional pursuits.....	6	5	1	3	1	2	1	1			
14 Accountants and auditors.....	2,805	2,262	553	1,875	510	368	42	0	1	3	
15 Advertising agents.....	69	65	14	49	12	5	1	1			
16 Agents (not elsewhere classified).....	169	136	23	104	20	30	1	2	2		
17 Bookkeepers and cashiers.....	24,527	6,074	18,453	4,330	16,204	1,446	1,976	70	189	219	84
18 Canvassers.....	48	41	7	32	7	7		2			
19 Clerks.....	46,143	35,011	11,132	28,708	9,582	5,486	1,296	526	219	201	85
20 Collectors.....	81	25	6	6	8	6					
21 Credit men.....	61	62	0	48	8	3		1			
22 Messenger, errand, and office boys and girls.....	619	573	46	367	33	51	2	111	11	14	
23 Office appliance operators.....	95	17	78	12	75	4	2	1	1		
24 Purchasing agents.....	449	374	75	271	73	93	2	2		8	
25 Salesmen and saleswomen.....	4,609	2,864	1,745	2,191	1,407	562	171	85	68	26	9
26 Shipping clerks.....	105	94	11	56	10	22		17	1		
27 Stenographers and typists.....	3,109	143	2,966	113	2,750	17	193	10	20	3	3
28 Weighers.....	20	19	1	13	1	3		2			
29 Other clerical pursuits.....	25	22	3	10	2	3					1
30 Blacksmiths.....	17	17		9		6		2			
31 Boiler makers.....	10	10		7		2		1			
32 Cabinetmakers.....	95	95		42		53					
33 Carpenters.....	803	802	1	461		326		10		5	1
34 Electricians.....	1,022	1,022		779		223		15		5	
35 Engineers (stationary).....	4,603	4,603		3,243		1,193		149		18	
36 Goldsmiths and silversmiths.....	12	12		3		9					
37 Mechanists.....	214	214		138		66		10		1	
38 Mechanics (not otherwise specified).....	676	675		444		187		32		12	
39 Painters, glaziers, and varnishers (building).....	569	559		317		220		18		5	
40 Plumbers and gas and steam fitters.....	370	370		261		97		9		3	
41 Tinsmiths and sheet metal workers.....	21	21		12		9					
42 Upholsters.....	268	262	6	134	5	115	1	2		1	
43 Other skilled trades.....	27	27		14		10		3			
44 Charwomen and cleaners.....	2,262	715	1,537	212	414	315	741	139	378	40	4
45 Chauffeurs and truck and tractor drivers.....	1,827	1,822	5	1,246	4	221	1	335		20	
46 Draymen, teamsters, and carriage drivers.....	150	149	1	113	1	22		14			
47 Elevator tenders.....	7,267	5,513	1,754	2,742	620	1,059	68	1,492	1,039	220	27
48 Firemen.....	2,507	2,507		1,117		740		636		14	
49 Guards, watchmen, and doorkeepers.....	1,846	1,831	15	1,146	6	543	8	128	1	14	
50 Janitors.....	12,300	11,368	932	4,835	470	2,803	290	3,225	149	505	14
51 Laborers.....	18,336	16,253	2,083	8,174	1,389	3,946	274	3,214	377	919	43
52 Launderers and laundresses.....	3,508	584	2,924	317	1,488	135	465	100	884	32	87
53 Others of machinery.....	90	90		52		32		6			
54 Policemen.....	148	148		113		34		1			
55 Porters.....	33,151	33,143	8	5,212		4,879		22,185	7	867	1
56 Servants.....											
57 Cooks.....	243,670	149,418	94,252	56,867	50,893	52,817	13,329	30,139	28,044	9,595	1,080
58 Other servants.....	193,655	84,531	109,124	33,156	49,590	20,554	18,307	23,573	30,642	7,248	1,585
59 Waiters.....	347,433	137,840	209,593	51,226	169,296	51,028	23,004	28,269	15,312	7,817	1,891
60 All other occupations.....	8	8		7		1					
60 Domestic and personal service (not elsewhere classified).....	3,087,568	754,448	2,283,120	368,743	931,947	184,176	843,735	192,421	981,563	19,108	25,875
61 Electrical engineers.....	41	41		32		7		2			
62 Mechanical engineers.....	27	27		15		12					
63 Other professional pursuits.....	22	15	7	11	2	2		2	3		
64 Accountants and auditors.....	137	118	19	96	16	22	2		1		
65 Agents (not elsewhere classified).....	3,219	3,054	165	1,866	141	1,151	21	81	3	6	
66 Bookkeepers and cashiers.....	1,286	307	979	242	845	52	93	7	39	6	2
67 Canvassers.....	31	26	5	22	3	4		2			
68 Clerks.....	3,009	993	2,016	744	1,733	168	241	68	36	13	6
69 Collectors.....	24	20	4	19	3	3					
70 Messenger, errand, and office boys and girls.....	240	205	35	112	22	12	3	75	9	6	1
71 Purchasing agents.....	15	7	8	5	4	2		1			
72 Stenographers and typists.....	586	24	562	22	504	2	42	1	14		2
73 Other clerical pursuits.....	14	9	5	4		1					
74 Blacksmiths.....	38	38		21		13		4			
75 Carpenters.....	242	242		136		98		1		1	
76 Electricians.....	403	403		328		62		12			
77 Engineers (stationary).....	5,368	5,368		3,893		1,076		201		8	
78 Mechanists.....	119	110		67		48		3		1	
79 Mechanics (not otherwise specified).....	676	676		443		179		50		4	
80 Painters, glaziers, and varnishers (building).....	64	64		38		25		6			
81 Plumbers and gas and steam fitters.....	81	81		56		20		5			
82 Other skilled trades.....	45	41	4	24	3	7	1	10			

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

DOMESTIC AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				Domestic and personal service (not elsewhere classified)—Continued.							
1 Barbers, hairdressers, and manicurists.....	374,290	261,096	113,194	165,870	88,103	70,784	11,795	21,447	12,816	3,295	480
2 Bootblacks.....	18,784	18,747	87	3,237	13	5,752	6	9,481	18	277	1
3 Cemetery keepers.....	9,762	9,705	57	7,667	45	1,639	6	346	6	53	1
4 Charwomen and cleaners.....	40,837	15,065	25,772	5,282	8,613	6,071	9,054	3,324	7,048	388	167
5 Chauffeurs and truck and tractor drivers.....	94,270	94,005	265	45,098	152	15,203	23	32,316	86	818	4
6 Draymen, teamsters, and carriage drivers.....	507	507	0	306	0	140	0	59	0	2	0
7 Elevator tenders.....	30,458	25,899	4,559	11,771	2,860	7,010	414	6,892	1,270	226	15
8 Firemen.....	5,250	5,250	0	1,717	0	2,018	0	1,506	0	9	0
9 Guards, watchmen, and doorkeepers.....	4,172	4,140	32	2,478	18	1,358	8	282	0	22	2
10 Housekeepers and stewards.....	195,808	1,808	194,000	994	142,166	486	34,209	269	15,839	59	1,786
11 Hunters, trappers, and guides.....	6,219	6,132	87	4,965	78	348	8	235	0	594	1
12 Janitors and sextons.....	106,191	87,521	17,670	32,316	7,475	26,295	7,538	27,553	2,549	1,357	108
13 Laborers.....	63,351	51,084	2,267	20,090	1,083	11,204	244	18,436	907	1,354	33
14 Launderers and laundresses.....	357,525	3,981	353,544	1,480	64,322	333	14,335	1,855	208,214	283	6,073
15 Midwives.....	3,566	3,566	0	511	0	1,153	0	1,787	0	115	0
16 Nurses (not trained).....	163,443	13,867	149,576	8,981	103,398	2,523	21,808	2,207	14,058	150	312
17 Policemen.....	135	135	0	91	0	41	0	3	0	0	0
18 Porters.....	24,461	24,456	5	2,402	0	3,756	0	18,170	5	128	0
19 Servants:											
20 Cooks.....	273,594	10,282	257,312	3,292	29,054	2,150	28,416	7,145	108,656	3,695	1,180
21 Other servants.....	1,240,086	85,346	1,154,740	23,381	477,130	17,514	206,986	38,396	455,690	6,055	14,928
22 Waiters.....	12,131	1,255	10,876	370	2,663	199	6,839	577	1,322	109	52
23 All other occupations.....	18,041	16,289	1,752	8,990	983	5,793	483	1,314	273	102	13
24 Laundries.....	310,379	134,738	175,641	84,261	105,095	24,530	18,645	12,768	47,842	13,179	4,069
25 Owners and proprietors ¹	15,440	14,474	966	5,815	595	4,537	276	184	63	3,938	31
26 Managers and officials.....	9,105	8,008	1,097	6,338	897	1,281	153	55	33	334	14
27 Foremen and overseers.....	6,337	3,583	2,754	2,908	2,316	563	350	86	70	20	0
28 Chemists.....	33	32	1	25	1	7	0	0	0	0	0
29 Civil engineers and surveyors.....	13	13	0	11	0	2	0	0	0	0	0
30 Draftsmen.....	15	14	1	14	1	0	0	0	0	0	0
31 Electrical engineers.....	24	24	0	18	0	6	0	0	0	0	0
32 Mechanical engineers.....	65	65	0	57	0	6	0	2	0	0	0
33 Trained nurses.....	16	16	0	14	0	2	0	0	0	0	0
34 Other professional pursuits.....	8	6	2	6	2	0	0	0	0	0	0
35 Accountants and auditors.....	295	229	36	199	36	30	0	0	0	0	0
36 Advertising agents.....	35	27	8	26	8	1	0	0	0	0	0
37 Agents (not elsewhere classified).....	802	171	181	149	122	19	9	2	0	1	0
38 Bookkeepers and cashiers.....	5,929	893	5,036	761	4,672	99	335	3	10	30	10
39 Canvassers.....	8,942	8,644	298	7,522	256	1,076	35	26	4	20	3
40 Clerks.....	6,949	1,775	5,174	1,421	4,664	245	362	45	124	04	24
41 Collectors.....	211	194	17	149	16	44	1	1	0	0	0
42 Commercial travelers.....	94	92	2	80	2	12	0	0	0	0	0
43 Credit men.....	17	13	4	12	4	1	0	0	0	0	0
44 Messenger, errand, and office boys and girls.....	298	196	102	139	90	24	6	31	0	2	0
45 Office appliance operators.....	59	5	54	4	50	4	0	0	0	1	0
46 Purchasing agents.....	17	12	5	10	4	2	1	0	0	0	0
47 Sales agents.....	6	6	0	6	0	0	0	0	0	0	0
48 Shipping clerks.....	313	241	72	188	59	89	12	10	1	4	0
49 Stenographers and typists.....	2,036	39	1,997	36	1,878	3	111	0	6	0	2
50 Weighers.....	137	102	35	73	26	20	4	8	4	1	1
51 Boiler makers.....	10	10	0	8	0	2	0	0	0	0	0
52 Carpenters.....	94	94	0	64	24	24	5	0	0	1	0
53 Electricians.....	110	110	0	84	23	3	0	0	0	0	0
54 Engineers (stationary).....	2,844	2,844	0	2,060	636	142	0	0	0	0	0
55 Machinists.....	879	879	0	606	206	52	0	0	0	15	0
56 Mechanics (not otherwise specified).....	750	750	0	582	116	47	0	0	0	5	0
57 Millwrights.....	49	49	0	41	6	2	0	0	0	0	0
58 Painters, glaziers, and varnishers (building).....	18	18	0	16	2	0	0	0	0	0	0
59 Plumbers and gas and steam fitters.....	52	52	0	45	6	0	0	0	0	1	0
60 Tinsmiths and sheet-metal workers.....	17	17	0	12	5	0	0	2	0	0	0
61 Other skilled trades.....	43	42	1	28	3	13	1	0	0	1	0
62 Charwomen and cleaners.....	44	7	37	5	13	6	0	2	18	0	0
63 Chauffeurs and truck and tractor drivers ²	10,517	10,511	6	9,136	5	1,012	0	320	1	43	0
64 Deliverymen ³	20,573	20,558	15	16,104	12	3,823	2	503	1	128	0
65 Draymen, teamsters, and carriage drivers.....	145	145	0	115	0	21	0	9	0	0	0
66 Elevator tenders.....	81	86	5	48	3	11	0	26	2	1	0
67 Firemen.....	1,632	1,632	0	910	293	236	1	471	0	8	0
68 Guards, watchmen, and doorkeepers.....	847	845	2	481	0	236	1	117	0	11	1
69 Housekeepers and stewards ⁴	25	4	21	4	14	5	0	2	0	0	0
70 Janitors.....	495	461	34	182	11	96	10	173	12	10	1
71 Laborers.....	10,293	11,001	8,292	5,849	4,908	1,659	649	2,785	2,503	708	232
72 Oilers of machinery.....	23	23	0	18	0	5	0	0	0	0	0
73 Operatives (not otherwise specified) ⁵	194,501	45,087	149,414	21,821	84,410	8,200	16,310	7,160	44,963	7,816	3,731
74 Policemen.....	17	17	0	15	0	2	0	0	0	0	0
75 Porters.....	593	593	0	44	0	27	0	489	0	3	0
76 All other occupations.....	81	25	56	16	5	4	0	4	1	1	0
77 Cleaning, dyeing, and pressing shops.....	109,245	78,618	30,627	48,124	23,576	16,376	3,490	13,340	3,290	778	271
78 Owners and proprietors.....	16,275	15,207	1,068	8,898	778	4,691	211	1,398	60	220	13
79 Managers and officials.....	5,841	4,615	1,226	3,588	1,118	740	94	201	0	26	5
80 Foremen and overseers.....	819	470	349	337	281	119	58	12	8	2	2

¹ Some owners of hand laundries probably are included with laundry operatives.² Some deliverymen probably were returned and classified as chauffeurs.³ Includes hostesses and matrons.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY DOMESTIC AND

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
				Cleaning, dyeing, and pressing shops—Con.							
1 Chemists.....	92	86	6	56	6	23		6		1	
2 Mechanical engineers.....	13	13		12	1	1					
3 Other professional pursuits.....	12	10	2	6	2	3		1			
4 Accountants and auditors.....	89	76	13	67	12	9	1				
5 Advertising agents.....	33	25	8	22	3	3					
6 Agents (not elsewhere classified).....	110	86	24	68	22	17	2	1			
7 Bookkeepers and cashiers.....	3,532	417	3,115	368	2,002	47	183		29	2	1
8 Canvassers.....	2,773	2,451	322	2,105	286	324	34	15	1	7	1
9 Clerks.....	5,207	1,020	4,178	885	3,831	117	206	23	37	4	14
10 Collectors.....	156	120	36	113	34	6	1	1			1
11 Commercial travelers.....	87	86	1	75	4	11					
12 Credit men.....	13	13		13							
13 Messenger, errand, and office boys and girls.....	203	183	110	144	103	9	4	30	3		
14 Salesmen and saleswomen.....	783	618	170	534	151	81	17		2	3	
15 Shipping clerks.....	250	139	111	112	60	19	8	8	7		
16 Stenographers and typists.....	904	14	890	12	881		6	2	2		1
17 Other clerical pursuits.....	19	13	6	11	6	1	56	1			
18 Carpenters.....	11	11		8		5					
19 Electricians.....	27	27		22		4		1			
20 Engineers (stationary).....	303	303		221							
21 Machinists.....	99	99		66		71		9		2	
22 Mechanics (not otherwise specified).....	166	166		120		27		6			
23 Plumbers and gas and steam fitters.....	15	15		10		30		10			
24 Other skilled trades.....	20	20		14		2		3			
25 Charwomen and cleaners.....	32	25	7	12	2	6	1		4		
26 Chauffeurs and truck and tractor drivers.....	4,936	4,933	3	4,407	1	355		7	2	11	
27 Draymen, teamsters, and carriage drivers.....	121	121		101		19					
28 Firemen.....	185	185		88		36		60		1	
29 Guards, watchmen, and doorkeepers.....	334	333	1	184		118		31			
30 Janitors.....	102	89	13	24	8	19		43	1	2	3
31 Laborers.....	4,549	3,910	639	2,169	434	465	48	1,241	147	35	10
32 Operatives (not otherwise specified).....	60,634	42,313	18,321	23,220	12,657	8,071	2,471	9,661	2,970	461	223
33 Porters.....	333	333		17		20		296			
34 All other occupations.....	17	14	3	11	2	2	1	1			

NOT SPECIFIED

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE Male	NATIVE WHITE Female	FOREIGN-BORN WHITE Male	FOREIGN-BORN WHITE Female	NEGRO Male	NEGRO Female	OTHER RACES Male	OTHER RACES Female
35 Not specified industries and services.....	1,937,689	1,101,680	236,009	762,989	203,701	156,910	21,377	148,987	9,915	32,834	1,016
36 Builders and building contractors.....	641	641		544		82		12		3	
37 Owners, operators, and proprietors.....	1,074	972	102	739	80	226	18	4	3	3	1
38 Managers and officials.....	8,213	7,461	762	6,475	653	903	106	63	2	10	1
39 Foremen and overseers.....	3,933	3,570	363	2,907	304	592	58	52	1	19	
40 Chemists, assayers, and metallurgists.....	521	504	17	421	13	76	4	3		4	
41 Civil engineers and surveyors.....	2,083	2,083		1,901		171		3		8	
42 Designers.....	446	253	193	146	156	106	35		1	1	1
43 Draftsmen.....	2,809	2,792	77	2,288	67	495	10	3		6	
44 Electrical engineers.....	1,293	1,292	1	1,169	1	117		4		2	
45 Lawyers, judges, and justices.....	450	487	13	404	10	33	3				
46 Mechanical engineers ¹	1,829	1,826	3	1,501	3	316		5		4	
47 Mining engineers ¹	218	218		194		23				1	
48 Photographers.....	36	31	5	27	5	4					
49 Social and welfare workers.....	61	13	48	10	40	3	5		3		
50 Trained nurses.....	81	6	75	4	67	2	6		2		
51 Accountants and auditors.....	16,310	15,103	1,207	13,089	1,125	1,904	81	11		9	1
52 Advertising agents.....	388	327	61	294	53	82	8	1			
53 Agents (not elsewhere classified).....	3,491	3,159	332	2,754	284	368	32	27	15	10	1
54 Bookkeepers and cashiers.....	40,992	16,277	31,715	13,340	27,916	1,813	3,659	51	113	73	27
55 Canvassers.....	728	519	209	439	187	69	13	7	9	4	
56 Clerks.....	117,723	55,910	61,813	49,375	56,392	5,863	5,017	485	341	192	63
57 Collectors.....	3,105	2,803	302	2,460	290	312	8	16	3	15	1
58 Commercial travelers.....	1,835	1,296	539	1,198	35	82	3	9	1	7	
59 Credit men.....	608	463	145	425	43	38	2				
60 Messenger, errand, and office boys and girls.....	5,253	4,904	349	4,254	282	334	30	290	29	26	8
61 Office appliance operators.....	6,646	805	5,841	712	5,488	80	342	10	6	3	5
62 Purchasing agents.....	1,102	931	121	898	102	78	19	4		1	
63 Sales agents.....	25	24	2	23	2	1					
64 Salesmen and saleswomen.....	418	824	94	763	89	58	3	1	2	2	
65 Shipping clerks.....	4,367	4,209	158	3,289	130	772	21	139	5	9	2
66 Stenographers and typists.....	90,830	3,517	87,283	3,240	80,771	253	5,866	31	540	23	106
67 Weighers.....	257	244	13	213	12	26	1	3		2	
68 Blacksmiths.....	2,831	2,831		2,075		388		296		72	
69 Boiler makers.....	348	348		259		82		4		3	
70 Brick and stone masons and tile layers.....	130	130		79		39		10		2	
71 Cabinetmakers.....	147	147		84		60		1		2	
72 Carpenters.....	467	467		340		100		17		10	
73 Cement finishers.....	64	64		28		16		19		1	
74 Compositors, linotypers, and typesetters.....	217	187	30	169	28	17	2	1			
75 Coopers.....	65	65		38		14		13			
76 Coppersmiths.....	60	60		33		26				1	
77 Cranemen, derrickmen, hoistmen, etc.....	5,946	5,945	1	5,044	1	773		113		15	
78 Electricians.....	3,617	3,617		3,225		360		31		11	

¹ Includes, also, all technical engineers not elsewhere classified.

OCCUPATIONS—GENERAL REPORT

TABLE 2.—PERSONS 10 YEARS OLD AND OVER IN EACH INDUSTRY OR SERVICE GROUP, BY

NOT SPECIFIED INDUSTRIES

[In this table, the occupations of each industry are presented in most cases in five groups: Proprietary, official,

INDUSTRY AND OCCUPATION	Total	Male	Female	NATIVE WHITE		FOREIGN-BORN WHITE		NEGRO		OTHER RACES	
				Male	Female	Male	Female	Male	Female	Male	Female
Not specified industries and services—Con.											
1 Engineers (stationary).....	22,421	22,419	2	17,523	2	4,463		379		54	
2 Engravers.....	193	190	3	154	2	36	1				
3 Forgemen and hammermen.....	42	42		31		10		1			
4 Goldsmiths and silversmiths.....	35	35		18		11		4		2	
5 Machinists.....	6,631	6,631		4,786		1,776		50		19	
6 Mechanics (not otherwise specified).....	7,326	7,325	1	5,833	1	1,106		321		65	
7 Millwrights.....	453	453		357		94		2			
8 Molders, founders, and casters (metal):											
Iron molders, founders, and casters.....	36	36		22		13		1			
All other molders, founders, and casters.....	15	15		11		3		1			
9 Painters, glaziers, and varnishers (building).....	1,880	1,889		1,391		434		58		6	
10 Pattern and model makers.....	257	256	1	192	1	62		1		1	
11 Plumbers and gas and steam fitters.....	630	630		524		92		9		5	
12 Sawyers.....	80	80		68		6		7			
13 Skilled occupations (not elsewhere classified) 1.....	83	86	2	59	1	26	1	1			
14 Stonecutters.....	219	219		127		85		7			
15 Structural iron workers (building).....	43	43		38		5					
16 Tinsmiths and sheet metal workers.....	261	261		193		58		6		4	
17 Toolmakers and die setters and sinkers.....	269	269		187		80		1		1	
18 Upholsterers.....	132	125	7	90	5	27	2	8			
19 Other skilled trades.....	11	11		8		3					
20 Apprentices:											
Designers' and draftsmen's apprentices.....	49	47	2	40	2	1					
Electricians' apprentices.....	43	47	1	44	1			1		1	
Machinists' apprentices.....	66	66		62		4					
Other apprentices.....	75	72	3	65	2	5		1		1	1
21 Buffers and polishers (metal).....	110	110		78		30		1			
22 Charwomen and cleaners.....	1,080	897	689	177	291	91	278	114	118	15	2
23 Chauffeurs and truck and tractor drivers.....	68,428	68,365	63	54,748	43	7,073	7	5,904	13	680	
24 Cooks.....	395	239	166	93	43	80	16	61	97	5	1
25 Draymen and teamsters.....	9,673	9,665	8	7,121	2	924		1,515	6	105	
26 Dyers.....	35	34	1	21	1	10		2		1	
27 Elevator tenders.....	6,577	5,153	1,424	2,895	941	1,272	92	937	389	49	2
28 Filers (metal).....	96	96		76		18		2			
29 Firemen.....	9,860	9,860		6,207		2,335		1,269		49	
30 General and not specified laborers.....	695,865	684,457	11,408	439,454	5,502	92,341	782	123,898	4,620	28,764	504
31 Grinders (metal).....	44	44		33		9		1		1	
32 Guards, watchmen, and doorkeepers.....	6,991	6,951	40	4,239	24	2,337	13	338	2	37	1
33 Housekeepers and stewards.....	218	71	147	42	95	23	39	3	12	3	1
34 Janitors.....	3,768	3,146	622	1,273	294	775	233	1,028	94	70	1
35 Oilers of machinery.....	510	516		396		100		14		6	
36 Operatives (not otherwise specified).....	153,152	123,252	29,900	86,881	21,010	23,581	4,528	10,375	3,472	2,415	281
37 Painters, glaziers, and varnishers (factory).....	109	105	4	70	4	26		2		1	
38 Policemen.....	208	201	7	159	5	40	2	2			
39 Porters.....	1,222	1,222		197		213		797		15	
40 Waiters.....	410	168	242	74	191	44	30	46	10	4	5
41 All other occupations.....	38	36	2	30		6	2				

1 Most of these were returned as "wood carvers" or as metal "hardeners," "inspectors," and "refiners."

GAINFUL WORKERS BY INDUSTRY AND OCCUPATION

OCCUPATION, SEX, COLOR, NATIVITY, AND AGE, FOR THE UNITED STATES: 1930—Continued

AND SERVICES—Continued

and supervisory pursuits; professional pursuits; clerical and kindred pursuits; skilled trades; and other pursuits]

10 TO 17 YEARS OLD		18 AND 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 34 YEARS OLD		35 TO 44 YEARS OLD		45 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 TO 74 YEARS OLD		75 YEARS AND OVER		AGE UNKNOWN	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
44		106		1,108		4,331	2	5,750		5,548		3,815		1,496		177		44	
		9		28		48	2	43		29		17	1	12		2		1	
		2		9		15		11		3		2							
				2		3		12		7		9		2					
		134		702		1,756		1,800		1,252		665		282		35		5	
		240		1,098		2,370		1,761		1,036		542		217		48		13	
		2		22		60		100		128		92		38		9		2	
				2		7		10		7		7		3					
				1		2		2		0		1							
11		42		191		440		466		386		234		88		17		5	
		4		24		60		64		53		30	1	19		2			
		12		69		195		186		104		49		14		1			
		2		6		20		13		20		15		4		1			
		5		10	1	18		18	1	13		14		5		3			
		3		14		31		43		55		61		18		4			
		3		7		7		18		5		6		1					
		3		34		59		55		52		37		18		3			
		7		22		81		84		47		21		5		2			
3		4	1	17	1	34	1	17	1	22	1	14		14	2				
				1		4		4				1		1					
44	2	1		2															
37	1	4		6															
45		11		8		2													
39	1	9	2	16		6		1		35		18		2					
		2		13		20		20		49		20		116		30			
4	5	7	5	54	20	120	112	128	221	172		20		11		3	7	1	1
1,132	2	3,045	10	16,597	12	27,046	15	12,941	15	4,891	6	1,402	2	282		37	1	92	2
		5	7	15	17	58	42	70	30	50	20	25	15	9	7	3	1	4	2
177		269		809	1	1,579	1	1,855	1	2,167	1	1,741	3	919	1	130		20	
		1		3		10		9		9		1		1					
138	67	380	197	911	451	1,091	434	896	178	687	71	602	25	372	5	74		2	1
		1		2		9		20		20		22		16		5			
48		149		738		2,227		2,641		2,207		1,314		418		41		17	
24,478	736	39,139	731	95,806	1,466	133,297	2,165	124,792	2,400	119,461	2,046	80,707	1,180	47,400	632	8,917	118	1,461	25
				4		12		5		9		6		5					
10		21		116	1	421	9	786	0	1,487	11	2,327	5	1,562	8	207		14	
				1	10	10	17	24	36	14	33	16	38	4	9	2	1		
33	3	32	5	151	27	462	96	689	183	704	162	607	105	374	38	86	3	8	
6		24		123		150		107		62		33		10		1			
6,648	2,991	10,658	3,683	22,888	6,222	25,144	6,115	20,077	4,525	16,027	3,300	11,767	1,813	6,240	708	1,505	184	2,289	358
				10	1	44		18	1	17	1	10		2		1			
				6	1	48	2	44	3	48	1	42		9		4			
13		33		160		304		293		220		122		63		10			
2	13	3	38	27	55	53	86	45	32	19	10	17	6	1	1			1	2
8	1	2	1	4		3		9		8		2		3		1		1	