TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1921 and subsequent years was \$5,000. See General Explanations—Establishments Covered—Size]

			· · · · · · · · · · · · · · · · · · ·			*1 /-		<u> </u>		1 1 1 1	
	Num-	Wage	HORSEPOW OF POV	VER (RATEI WER EQUIP				RIALS, CONTAINE DPURCHASED EL			
YEAR OR PERIOD	ber of estab- lish- ments	earners (average for the year) 1	Total	Prime movers	Electric motors driven by pur- chased energy	Wages	Total 2	Materials and containers	Fuel and pur- chased energy	Value of products ²	Value added by manufac- ture 3
1020 1027 1025 1023 1021	5, 198 4, 065 3, 606 3, 693 3, 566	134, 498 116, 763 106, 792 102, 358 88, 707	822, 860 635, 455 572, 798 548, 299 (5)	378, 927 384, 956 359, 343 336, 075 (5)	443, 933 300, 499 213, 455 212, 224	\$151, 827, 257 130, 408, 661 116, 363, 302 111, 461, 949 103, 945, 662	\$989, 939, 628 842, 927, 280 845, 143, 862 647, 451, 774 570, 042, 547	\$962, 750, 112 797, 137, 948 (4) (4) (4)	\$27, 189, 516 45, 789, 338 (4) (4) (4)	\$1, 450, 246, 431 1, 206, 579, 962 1, 237, 952, 469 979, 192, 057 842, 438, 135	\$460, 306, 803 363, 652, 676 392, 808, 607 331, 740, 283 272, 395, 588
1919	5, 724 5, 084 4, 588 3, 158 3, 107	107, 522 74, 853 70, 230 49, 066 38, 604	440, 894 335, 496 282, 035 164, 578 115, 885	320, 355 292, 553 267, 167 160, 164 113, 495	120, 539 42, 943 14, 868 4, 414 2, 390	116, 403, 800 44, 821, 377 37, 907, 272 24, 468, 942 16, 911, 681	701, 170, 808 253, 144, 261 178, 178, 515 91, 603, 630 54, 888, 303	678, 278, 642 242, 405, 876 170, 983, 408 87, 728, 393	22, 892, 256 10, 738, 385 7, 195, 109 3, 875, 237	900, 905, 796 361, 279, 303 272, 895, 635 150, 528, 389 92, 894, 433	298, 824, 898 108, 135, 042 94, 717, 120 58, 924, 759 38, 500, 130
				1 to 1 to 2 to 2 to 2 to 2 to 2 to 2 to		PER CENT OF IN	CREASE OR DECR	EASE (—)			
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921	27. 9 12. 7 -2. 4 3. 6 -37. 7	15. 2 9. 3 4. 3 15. 4 -17. 5	29. 5 10. 9 4. 5	13. 1 -6. 8 6. 9	47. 7 40. 8 0. 6	16. 4 12. 1 4. 4 7. 2 -10. 7	17. 4 -0. 3 30. 5 13. 6 -18. 7	20. 8	-40.6	20. 1 -2. 5 26. 4 16. 2 -15. 8	26. 6 -7. 4 18. 4 21. 8 -8. 8
1919-1929	-9. 2 24. 8 47. 7	25. 1 53. 1 81. 0	86. 6 56. 3 143. 4	18. 3 19. 9 135. 4	268. 3 710. 7 522. 1	30. 4 207. 1 124. 1	41. 2 293. 5 227. 6	41. 9 296. 7	18.8 218.2	45.0 266.4 193.8	54. 0 215. 5 146. 0

1 Not including salaried employees.
2 The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.
3 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.
4 Not reported separately.
5 Not called for on schedule.
6 No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

	Popula-	Num- ber of estab-	Wage earners (average	Horse-	Wages	COST OF MATERIAL COST O	TERIALS, CONT FUEL, AND NERGY	AINERS FOR PURCHASED	Value of	Value added by
COUNTY OR CITY	tion, 1930	lish- ments	for the year)1	power 2	11 2 3 5 5	Total	Materials and containers	Fuel and purchased energy	products	manufac- ture
The State	5, 824, 715	5, 198	134, 498	822, 860	\$151, 827, 257	\$089, 939, 628	\$062, 750, 112	\$27, 189, 516	\$1, 450, 246, 431	\$460, 306, 803
Counties 3 Anderson	34, 643 27, 803 15, 654 18, 860 23, 888	39 26 8 11 19	771 2,313 72 111 415	4, 123 7, 610 258 628 2, 383	905, 474 2, 118, 609 96, 844 133, 313 445, 488	1, 826, 365 3, 769, 146 105, 360 815, 151 869, 701	1, 730, 075 3, 717, 820 95, 684 790, 254 689, 734	96, 290 81, 326 9, 676 24, 897 179, 967	3, 372, 439 8, 505, 505 272, 897 1, 201, 741 1, 861, 792	1, 546, 074 4, 706, 359 167, 537 386, 590 992, 091
Baylor	7, 418 15, 721 50, 030 292, 533	5 8 41 412 11	27 56 565 9,395 74	475 421 3,855 40,090 817	25, 003 60, 332 701, 740 8, 946, 800 77, 903	217, 397 288, 866 2, 433, 762 35, 736, 220 408, 857	209, 086 274, 890 2, 315, 446 34, 415, 729 395, 750	8, 311 13, 976 118, 316 1, 320, 491 13, 107	339, 998 531, 701 4, 110, 620 60, 804, 038 609, 009	122, 601 242, 835 1, 676, 858 25, 067, 818 200, 152
Bowie Brazoria Brazos Brown Brown Brunot Brazos	23,054 21,835	47 12 10 28 3	1,583 156 85 334 11	7, 231 972 639 2, 067 208	1, 568, 560 157, 929 87, 230 388, 726 10, 800	6, 785, 049 617, 016 443, 563 1, 405, 227 11, 307	6, 529, 070 583, 681 419, 101 1, 320, 287 9, 140	255, 979 33, 335 24, 462 84, 940 2, 167	11, 919, 153 1, 018, 958 763, 192 2, 421, 780 41, 939	5, 134, 104 401, 942 319, 629 1, 016, 553 30, 632
Caldwell Callahan Cameron Camp Carson	31,397 12,785 77,540 10,063 7,745	18 5 56 7 11	111 61 476 197 146	1,340 180 5,012 797 1,156	113,722 91,330 478,185 143,199 217,027	1, 237, 788 158, 089 1, 267, 497 423, 520 838, 631	1, 211, 877 144, 452 1, 144, 603 414, 951 284, 452	25, 911 13, 637 122, 894 8, 569 554, 179	1,609,025 333,737 3,125,767 770,346 1,487,591	371, 237 175, 648 1, 858, 270 346, 826 648, 960
CassChambersCherokee	30, 030 5, 710 43, 180 16, 044	24 5 45 10 5	213 18 669 500 9	1,062 108 2,433 2,832 134	137, 990 12, 704 513, 245 671, 248 11, 538	176, 176 15, 550 542, 902 1, 280, 305 20, 241	168, 629 15, 550 524, 535 1, 219, 404 17, 718	7, 547 18, 367 60, 901 2, 523	486, 801 48, 000 1, 573, 598 2, 224, 907 50, 910	310, 625 32, 450 1, 030, 696 944, 602 30, 669
Colay Coleman Collin Collingsworth Colorado Comal	23, 669 46, 180 14, 461 19, 129 11, 984	10 21 6 17 20	89 506 21 147 595	809 3, 289 82 1, 084 5, 602	95, 596 417, 217 30, 034 139, 423 403, 302	574,936 3,036,395 51,872 1,126,745 3,203,523	535, 609 2, 932, 987 46, 766 1, 100, 774 3, 031, 647	39, 327 103, 408 5, 106 25, 971 171, 876	990, 432 4, 218, 809 144, 559 1, 446, 623 4, 721, 279	415, 496 1, 182, 414 92, 687 319, 878 1, 517, 756

See footnotes at end of table.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

	Popula-	Num- ber of	Wage earners	Horse-		COST OF MAT PRODUCTS, ELECTRIC E	FERIALS, CONT FUEL, AND NERGY	AINERS FOR PURCHASED	Value of	Value added b
COUNTY OR CITY	tion, 1930	estab- lish- ments	(average for the year) ¹	power 2	Wages	Total	Materials and containers	Fuel and purchased energy	products	maniila ture
Counties 3-Continued										
omanche	18, 430 24, 136	11 21	88 314	603 2, 161	\$66, 195 403, 833	\$525, 172 3, 825, 454	\$513, 262 3, 739, 842	\$11,910 85,612	\$790, 552 4, 742, 901	\$265, 917,
omaneneon ookeoryell ottleottle	19, 999 9, 395	5 4	50 12	324 66	39, 141 15, 545	3, 825, 454 239, 741 24, 181	221, 853 20, 089	17,888 4,092	356, 478 81, 916	116, 57,
osby	11, 023	7	14	248	11, 701	25, 870	23, 453	2,417	71, 548	45,
allamallas 4	7, 830 325, 691	5 572	149 13, 853	503 74, 210	236, 617 15, 516, 789	152, 332 102, 863, 069	129, 178 100, 471, 091	23, 154 2, 391, 978	517, 234 168, 211, 802	364 65, 348
awson	13, 573 13, 138	11 4	40 36	543 319	36, 143 18, 033	120, 414 277, 441	109, 959 268, 974	10, 455 8, 467	224, 248 354, 368	103 76
enton	32, 822 27, 441	22 26	125	2, 216	119, 831	695, 760 2, 529, 302	633, 973	61,787	1, 205, 934	510
e Witt	8,601	. 6	433 15	2, 533 182	310, 942 21, 389 18, 920	73,034	2, 457, 402 67, 831	71,900 5,203	3, 449, 307 135, 880	920 62 42
ickensonleystlandlis.	10, 202 34, 156	33	13 133	16 1,788	170, 038	18, 530 466, 591	13, 548 434, 082	4, 982 32, 509	61, 404 1, 445, 627	979
lis	53, 936	37 160	875 6, 224	5, 546 36, 217	830, 543 6, 548, 115	2, 862, 958 40, 171, 571	2, 598, 388 38, 738, 006	264, 570	4, 761, 652	1,898
Paso 4 ath alls and a system at the system a	20, 804	16	158	1, 570	174, 359	791, 293	712, 164	1, 433, 505 79, 129	54, 474, 189 1, 231, 616 2, 055, 928	14, 302 440
ills innin	38, 771 41, 163	18 21	119 310	885 2, 985	110, 484 232, 587	1, 595, 856 1, 136, 833	712, 164 1, 557, 150 1, 078, 944	79, 129 38, 706 57, 889	2, 055, 928 1, 671, 840 1, 308, 300	460 535
shersher_	30, 708 13, 563	29	121 177	1, 467 2, 801	107, 938 205, 412	891, 438 635, 271	869, 804 554, 145	21, 634 81, 126	1, 308, 309 1, 023, 088	416 387
poetone	.l 22,589	10	191	778	287, 137	569,840	547, 469	22, 371 437, 600	1, 075, 460	505 505
alvestonllespie	.1 11.020	97 10	2,196 49	18, 336 423	2, 695, 176 50, 971	15, 679, 929 119, 493	15, 242, 329 106, 597	12,896	22, 882, 304 243, 286	505 7, 202 123
oliadonzales	28 337	17	15 220	81 2, 100	11, 170 165, 667	104, 277 1, 167, 317	101, 678 1, 123, 070	2, 599 44, 247	152, 297 1, 755, 928	48
rayson 	28, 337 22, 090 05, 843	19	275 2,461	1, 794	421, 382	2,654,015	2, 251, 148	402, 867	4, 772, 751	588 2, 118 7, 545 1, 048
egg	15, 778	81 20 15	485	15, 483 1, 419	2,471,844 414,783	16, 010, 300 1, 195, 302	15, 682, 678 1, 164, 107	327, 622 31, 195	4, 772, 751 23, 555, 945 2, 243, 573	1,048
imes	22, 642	11	158 170	1, 170 1, 751	137, 538 177, 995	583, 717 1, 438, 330	569, 757 1, 373, 281	13, 960 65, 049	1, 000, 020 2, 015, 561	416 577
ale	_ 20, 189	19	125 51	1, 818 517	119, 068	1, 735, 601 386, 802	1, 688, 346 376, 940	47, 255	2, 316, 650	581
amiltonamiltonardeman	. 14, 532	9 8	221	3, 435	53, 178 231, 287	1, 812, 225	1, 707, 886	9, 862 104, 339	530, 192 2, 521, 902	143 709
ardinarrisarris_	250 328	15 475	1,350 22,131	2, 911 120, 055	1, 087, 046 28, 096, 678	1, 623, 972 191, 729, 349	1, 598, 756 187, 367, 151	25, 216 4 362 198	3, 467, 117 285, 227, 185	1, 843 93, 497
arrisonaysemphillenderson	48, 937 14, 915	39	2, 319 53	10, 473 494	2, 437, 104 61, 349	4, 333, 838 397, 717	4, 090, 879	4, 362, 198 242, 959 17, 620	9, 078, 542 610, 637	4, 744 212
emphill	4, 637 30, 583	5 12	19 120	105 1,028	29, 744 87, 445	27, 293 448, 010	380, 097 23, 323 403, 767	3,970	90, 227	62
idalgo	77, 004	52	277	3, 309	291, 908	572, 682	458, 505	44, 243 114, 177	737, 104	289 1, 255
idalgo iil ockley opkins ouston	43, 036 9, 298	17 3	474 10	3, 146 64	357, 280 7, 900	2, 664, 100 10, 791	2, 558, 038 10, 791	106, 062	1, 828, 530 3, 758, 230 36, 306	1, 255, 1, 094,
opkins	29, 410 30, 017	10 21	102 250	841 1, 369	119, 638 187, 860	1, 438, 052 493, 663	1, 397, 913 481, 580	40, 139 12, 083	1, 857, 251 1, 094, 175	25 419 600
omovd .	1 00 000	16	504	2, 020 5, 519	817, 235	7, 134, 602	7, 061, 200	73, 402	0.882.521	2. 747
owait uint uichinson cekson sper	49, 016 14, 848	41 21	449 528	5,071	509, 567 848, 824	3, 964, 888 9, 483, 751	3, 858, 347 9, 285, 359	106, 541 198, 392	5, 377, 090 12, 992, 585 00, 127	1, 412 3, 508 40
ckson	10, 980 17, 064	5 22	15 1,748	132 4, 055	21, 458 1, 515, 869	19, 908 2, 671, 778	16, 553 2, 659, 609	108, 392 3, 355 12, 169	60, 127 5, 567, 634	40 2,895
fferson 4	133, 391	141	14, 386	121, 301	19, 630, 752	235, 596, 516	231, 250, 410	4, 346, 106	297, 159, 552	61 500
hnson nes	33, 317 24, 233 23, 316	22 10	829 140	5, 742 1, 839	1, 239, 571 165, 714	1, 164, 683 1, 267, 378	1, 068, 952 1, 226, 775	95, 731 40, 603	2, 865, 682 1, 705, 278	1, 700 437
fferson 4 hnson nes arnes aufman	23, 316 40, 905	8 21	54 135	487 2, 200	41, 259 131, 166	354, 547 1, 634, 489	344, 867 1, 586, 801	9, 680 47, 688	547, 543 2, 141, 531	192 507
endall	4, 970	. 3	7	205	5, 718 24, 046	24, 264	21, 426	2, 838	45, 576	21
errleberg	12, 451	8	16 383	264 1, 549	24, 046 539, 499	104, 860 1, 443, 400	103, 656 1, 390, 368	1,204 53,032	181, 067 2, 429, 046	76 985
amar ampasas	48, 520 8, 677	38 7	842 24	4, 007 172	636, 465 27, 977	3, 401, 849 28, 702	1, 390, 368 3, 314, 840 22, 939	87, 009 5, 763	5, 643, 267 100, 040	2, 241 80
vaca	27, 550	23	494	2,003		1 946 759	1, 189, 066 175, 624	57, 692 22, 514	2, 163, 004	916
berty mestone	39, 497	12	398 216	1,070 1,360	548, 461 392, 374 178, 214 59, 241	198, 138 972, 375	175, 624 903, 385	22, 514 68, 990	1, 004, 896 1, 745, 872	806 773
ano ibbock	.1 5.538	8 40	53 489	355 3,151	59, 241 604, 471	49, 744 4, 263, 928	42, 422 4, 156, 547	68, 990 7, 322 107, 381	206, 844 5, 750, 288	157 1, 492
ynncCulloch		6	17	56	17, 383	20, 542 667, 747	17, 133 641, 760	3, 409	60, 113	89
cLennan	. 98. 682	10 124	66 3, 186	771 19, 718	70, 796 3, 323, 694	12, 060, 506	11, 563, 933 345, 220	25, 987 496, 573	922, 694 20, 501, 208	254 8, 440
arlonatagorda	37,070	10 12	207 115	725 631	139, 987 96, 260	350, 513 1, 299, 696	345, 220 1, 292, 315	5, 293 7, 381	637, 568 1, 793, 166	287 493
averick	6, 120	5	62	230	36, 515	40, 940	32, 625	8, 315	125, 448	84
averick edina enard idland	13, 989 4, 447 8, 005	8	81 15	584 114	60, 423 14, 787	68, 102 19, 139	30, 975 16, 452 528, 177	37, 127 2, 687	173, 529 76, 567	105 57
ilam.	8,005 37,915	8 16	43 149	266 895	66, 226 113, 621	536, 779 1, 457, 935	528, 177 1, 431, 971	8, 602 25, 984	627, 390 1, 913, 324	90 455
ontague	19, 159	23	282	1, 089	228, 621	774, 555	751, 063	23, 492	1, 443, 587 1, 874, 735	669
ontague ontgomery orris acogdoches	14, 588	11 4	764 46	2, 810 158	656, 441 27, 755 518, 596	749, 860 35, 894	706, 998 35, 099	42, 862 795	1, 874, 735 92, 047	1, 124 56
* V & L I O	.1 80, 507	25 43	636 738	2, 251 5, 532	518, 596 760, 063	853, 793 6, 273, 364	828, 715 6, 106, 595	25, 078 166, 769	92, 047 2, 438, 988 8, 635, 596	1, 585 2, 362
Bwton	12, 524	13	1,461	5, 339	1, 207, 127	1 440 183	1, 427, 216	12, 967	4, 781, 960	3, 341 2, 015
neces	19, 323 51, 779	18 47	351 442	5, 838 3, 095	533, 351 466, 556	2, 370, 841 2, 352, 491 3, 443, 357	2, 233, 103 2, 272, 974	137, 738 79, 517 244, 729	4, 385, 844 4, 079, 152 5, 837, 611	1, 726
ueces ange ilo Pinto	15, 149	25 13	938 197	10, 108 1, 477	1, 078, 453 220, 729	3, 443, 357 282, 768	3, 198, 628 146, 212	244, 729 136, 556	5, 837, 611 696, 123	2,394 413
rolarker	24, 063	13	127	726	107, 188	116,007	113, 803	2, 204	341, 456	225
arola rker	18, 759 7, 812	16	220 16	1, 727 106	180, 594 25, 381	671, 118 12, 891	609, 425 10, 204	61, 693 2, 687 12, 047	1, 372, 719 57, 208	701 44
tter	17, 555 46, 080	12 52	718 1, 225	2, 012 7, 980	576, 841 2, 057, 741	480, 373 9, 221, 847	468, 326 8, 546, 974	12,047 674,873	1, 550, 326 14, 074, 591	1,069 4,852

TEXAS TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

ACHINA OF OTHER	Popula-	Num- ber of	Wage earners	Horse-		COST OF MA PRODUCTS, ELECTRIC E		AINERS FOR PURCHASED	Value of	Value added by
COUNTY OR CITY	tion, 1930	estab- lish- ments	(average for the year) ¹	power 2	Wages	Total	Materials and containers	Fuel and purchased energy	products	manufac- ture
Counties ! Continued				:						
Presidio	10, 154	8	27	213	\$21, 937	\$109, 845	\$104, 045	\$5, 200	\$197, 717	\$87, 872
Randall	7, 071	3	12	77	12, 099	16, 912	14, 150	2, 762	57, 853	40, 941
Red River	30, 923	18	118	1, 406	80, 207	402, 189	385, 435	16, 754	656, 962	254, 773
Robertson	27, 240	9	115	1, 028	125, 099	841, 417	799, 733	41, 684	1, 144, 238	302, 821
Runnels	21, 821	15	09	1, 329	86, 256	894, 927	855, 842	39, 085	1, 253, 212	358, 285
Rusk San Augustine San Saba. Sourry. Shackelford.	32, 484	28	167	1, 654	129, 650	552, 202	545, 696	6, 506	860, 316	308, 114
	12, 471	9	316	1, 100	277, 086	462, 574	460, 309	2, 265	1, 064, 362	601, 788
	10, 273	3	6	58	10, 602	3, 959	1, 830	2, 129	38, 059	34, 100
	12, 188	7	30	393	26, 906	168, 183	159, 711	8, 472	258, 495	90, 312
	6, 695	6	10	203	18, 127	30, 856	24, 983	5, 873	94, 205	63, 349
Shelby	28, 627	22	707	2, 900	600, 296	407, 691	403, 846	3,845	2, 048, 458	1, 640, 767
Smith	53, 123	46	769	4, 132	774, 742	2, 397, 555	2, 266, 570	130,985	4, 200, 111	1, 811, 556
Starr	11, 409	4	30	160	14, 932	22, 175	7, 011	15,164	56, 987	34, 812
Stophons	16, 560	18	190	1, 423	270, 916	1, 120, 283	977, 063	143,220	2, 135, 619	1, 015, 336
Tarrant	197, 553	246	8,600	59, 327	10, 607, 560	98, 155, 407	96, 077, 438	2,077,969	131, 336, 433	33, 181, 026
Taylor	36, 033 77, 777 13, 637	47 8 42 93 8	495 120 382 958 844	3, 414 422 2, 034 6, 010 2, 649	501, 541 77, 068 501, 122 1, 176, 687 702, 977	3, 353, 266 91, 014 1, 657, 792 3, 486, 093 417, 841	3, 270, 779 85, 721 1, 575, 910 3, 325, 755 394, 381	82, 487 5, 298 81, 882 160, 338 23, 460	5, 083, 458 238, 061 3, 187, 689 7, 499, 510 1, 851, 450	1, 730, 192 147, 047 1, 529, 897 4, 013, 417 1, 433, 609
Tyler	20,038	10	697	2, 319	546, 546	399, 207	381, 301	17, 096	1, 643, 853	1, 244, 556
Upshur		21	182	947	131, 012	216, 482	206, 827	9, 655	489, 461	272, 979
Uvside		7	24	258	24, 011	71, 620	62, 270	9, 350	180, 520	108, 900
Val Verde		14	97	403	116, 670	683, 610	666, 457	17, 153	1, 101, 626	418, 010
Victoria		14	127	838	146, 539	594, 436	571, 382	23, 054	1, 142, 831	548, 395
Walker Waller Ward Washington Webb	10, 014 4, 509 25, 394 42, 128	11 3 8 23 36	396 12 70 300 394	2, 350 17 125 1, 742 1, 944	317, 557 8, 820 95, 701 251, 067 301, 381	391,091 6,489 4,047,422 1,396,088 1,499,952	372, 510 6, 354 4, 028, 067 1, 337, 037 1, 396, 148	18, 581 135 18, 455 59, 051 103, 804	1, 065, 135 29, 250 5, 134, 380 2, 032, 740 2, 630, 985	674, 044 22, 761 1, 086, 958 636, 052 1, 131, 033
Wharton. Wheeler. Wichita. Wilburger. Williamson.	15, 555 74, 416 24, 579 44, 146	16 9 101 13 29	111 78 1,816 171 347	1, 186 753 13, 128 4, 420 2, 332	96, 961 104, 288 2, 576, 924 227, 205 297, 374	1, 068, 500 934, 777 21, 808, 250 2, 319, 504 1, 829, 435	1, 043, 407 922, 000 21, 195, 261 2, 256, 874 1, 746, 558	25, 102 12, 777 612, 089 62, 690 82, 877	1, 514, 585 1, 436, 785 30, 360, 164 3, 148, 270 2, 688, 751	446, 076 502, 008 8, 551, 914 828, 715 859, 316
Wilson. Wise Wood Young. All other counties \$	17, 606	7	204	1, 026	166, 661	299, 285	187, 274	112, 011	724, 051	424, 766
	19, 178	5	49	854	42, 743	100, 036	71, 117	28, 919	240, 070	140, 034
	24, 183	24	253	2, 024	164, 172	514, 970	500, 600	14, 370	1, 022, 198	507, 228
	20, 128	16	68	1, 050	93, 065	1, 512, 509	1, 496, 783	15, 786	1, 927, 073	414, 504
	649, 853	251	4, 522	30, 706	5, 083, 686	38, 180, 883	37, 320, 150	860, 733	50, 349, 888	12, 160, 005
Cities having 10,000 inhabitants or more Abilene	23, 175	42	459	3, 277	475, 705	3, 301, 903	3, 233, 316	08, 587	4, 959, 762	1, 657, 859
	43, 132	46	595	2, 842	1, 166, 442	2, 460, 098	2, 314, 240	145, 849	5, 442, 650	2, 982, 552
	53, 120	88	856	5, 624	1, 074, 899	3, 286, 565	3, 163, 102	123, 463	7, 066, 287	3, 779, 722
	57, 732	84	1,779	9, 077	2, 225, 110	5, 950, 951	5, 674, 933	276, 018	12, 330, 201	6, 379, 250
	22, 021	20	178	1, 977	181, 586	637, 405	587, 822	40, 583	1, 205, 562	658, 157
Corpus Christi	27, 741	36	334	1, 807	370, 498	1, 503, 252	1, 502, 205	61, 047	2, 866, 963	1, 303, 711
	15, 202	27	537	4, 133	555, 632	2, 819, 159	2, 716, 885	102, 274	4, 904, 388	2, 085, 229
	260, 475	535	12, 048	49, 271	18, 630, 181	83, 044, 347	82, 400, 585	1, 243, 762	142, 512, 320	58, 867, 978
	13, 850	22	576	4, 037	551, 277	2, 491, 075	2, 427, 309	63, 766	3, 793, 019	1, 301, 944
	102, 421	147	5, 160	15, 051	5, 453, 576	13, 838, 074	13, 306, 370	531, 704	24, 605, 307	10, 767, 233
Fort Worth Greenville Harlingen Houston 7 Marshall	163, 447	228	6, 461	46, 281	8, 273, 505	85, 920, 261	84, 695, 219	1, 225, 042	113, 614, 152	27, 693, 891
	12, 407	28	245	2, 818	222, 842	2, 607, 565	2, 547, 189	60, 376	3, 469, 062	861, 497
	12, 124	10	128	2, 159	171, 217	343, 961	298, 880	45, 081	1, 123, 557	779, 596
	292, 352	429	16, 264	64, 011	20, 301, 484	79, 771, 174	77, 482, 970	2, 288, 204	145, 049, 659	65, 278, 485
	16, 203	23	1, 707	7, 120	1, 914, 723	3, 798, 159	3, 642, 687	155, 472	7, 164, 561	3, 366, 402
Palestine Port Arthur San Antonio 7 San Benito Sherman	11, 445	22	539	3, 081	733, 460	1, 571, 598	1, 502, 661	68, 937	2, 848, 862	1, 277, 264
	50, 902	29	290	2, 141	421, 961	1, 247, 299	1, 141, 514	105, 785	2, 558, 490	1, 311, 191
	231, 542	390	8, 692	25, 415	8, 271, 292	30, 569, 749	29, 811, 798	757, 951	53, 372, 775	22, 803, 026
	10, 753	11	122	630	81, 662	192, 505	173, 651	18, 854	488, 096	295, 591
	15, 713	43	721	7, 056	839, 185	9, 507, 307	9, 339, 794	167, 513	12, 965, 794	3, 458, 487
Temple Texarkana, Texas and Arkansas, total	15, 345 27, 366	32 52	487 1, 043	7, 056 3, 095 5, 180	045, 599 1, 066, 344	2, 178, 028 3, 005, 730	2, 076, 656 3, 760, 829	101, 372 204, 907	12, 965, 794 3, 696, 076 6, 904, 786	3, 458, 487 1, 518, 048 2, 939, 050
Texarkana, Texas and Arkansas, total	16, 602	36	844	3, 442	887, 289	2, 392, 541	2, 232, 379	160, 162	4, 667, 681	2, 275, 140
	10, 764	16	199	1, 738	179, 055	1, 573, 195	1, 528, 450	44, 745	2, 237, 105	663, 910
Tyler	17, 118	28	611	3, 351	670, 175	2, 184, 301	2, 106, 120	78, 181	3, 751, 375	1, 567, 074
	52, 848	105	1,808	6, 850	1, 879, 839	7, 781, 071	7, 561, 919	219, 152	13, 602, 285	5, 821, 214
	43, 690	73	1,438	9, 164	2, 008, 244	11, 655, 998	11, 255, 414	400, 584	18, 068, 459	6, 412, 461

¹ Not including salaried employees.

2 Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

3 Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Octain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. In the cases of Clay, Kondall, and San Saba Counties, in each of which fewer than 10 wage earners were employed, statistics are here presented in order that comparison may be made with the corresponding figures for 1927 (published in mimeographed form).

4 For statistics by industries for this county, see Table 13.

5 Aransas, Archer, Armstrong, Bailey, Bandera, Brewster, Briscoe, Brooks, Burleson, Calheun, Cochran, Coke, Crane, Crockett, Culberson, Deaf Smith, Dimmit, Ector, Edwards, Floyd, Foard, Fort Bend, Franklin, Frio, Garza, Hall, Hansford, Haskell, Hood, Hudspeth, Jack, Jeff Davis, Jim Hogg, Jim Wells, Kont, Kimble, Kinney, Knox, Lamb, La Salle, Lee, Leon, Live Oak, Madison, Martin, Mason, Mills, Mitchell, Modley, Ochiltree, Parmer, Rains, Reagan, Real, Reeves, Refugle, Rockwall, Sabine, San Jacinto, San Patricio, Sherman, Somervell, Stonewall, Suton, Swisher, Terrell, Terry, Throckmorton, Upton, Van Zandt, Willacy, and Zavala Counties.

6 Not including Brownwood, Galveston, Parna, Big Spring, Clebrune, Paris, Lubbook, Sweetwater, San Angelo, Del Rio, and Laredo, each of which reported more than 10,000 inhabitants at the cases of Brownwood, Galveston, Paris, San Angelo, and Laredo the figures are withheld because their publication would make it possible to subtracting them from the figures for the counties within which the cities are located) approximations of the data

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

OFNIGHT YEAR	Ā	LL CLASSES	.]		TORS AN		PRINCIPAL SALARIED OFFI- CERS OF CORPORATIONS				LARIED C		WAC (AVERAGE	E EARNE	
CENSUS YEAR	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 ¹	159, 210 130, 911 91, 114 84, 575	138, 735 118, 621 85, 700 79, 696	20, 475 12, 290 5, 414 4, 879	3, 067 5, 393 4, 787 4, 496	2, 944 5, 194 4, 638 4, 373	123 199 149 123	² 2, 683 1, 705 1, 124 940	2 2, 563 1, 664 1, 109 929	2 120 41 15 11	2 18, 962 16, 291 10, 350 8, 909	² 15, 477 13, 539 9, 406 8, 269	² 3, 485 2, 752 944 640	134, 498 107, 522 74, 853 70, 230		3 16, 747 9, 298 4, 306 4, 105

¹ No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929,
² Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 265; male, 260; female, 5. Other salaried officers and employees—total, 2,884; male, 2,105; female, 708. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See General Explanations—Persons Engaged.
³ Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See General Explanations—Persons Engaged.
¹ Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average		1 2 7 1 2 2 1	NUMBER	EMPLOYED	ON 15TH	DAY OF MO	ONTH OR N	EAREST RI	EPRESENTA	TIVE DAY			Per cent
CENSUS YEAR	number employed during year	1	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
1929 ¹ 1919 ¹ 1914 ¹ 1909 ¹	134, 498 107, 522 74, 853 70, 230	128,082 104,867 76,998 68,563	130, 497 103, 446 75, 559 60, 485	130, 887 102, 837 74, 217 68, 082	132, 200 101, 390 73, 261 67, 772	131, 616 104, 578 72, 219 66, 079	131, 923 104, 024 73, 078 68, 037	133, 399 107, 288 75, 779 69, 153	137, 830 110, 155 76, 587 69, 192	141, 520 111, 299 76, 983 73, 196	141, 459 112, 746 75, 588 75, 291	138, 822 113, 218 73, 654 75, 648	135, 736 114, 416 74, 318 75, 258	90. 5 88. 6 93. 8 87 4

1 The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

Table 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establish- ments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establish- ments	Wage earners (average for the year)
All classes Not reported. Under 40. 40. Over 40 but under 44. 44 and over but under 45.	5, 198 824 76 62 15 486	134, 498 2, 624 553 2, 678 144 7, 367	45 and over but under 48	90 1, 040 348 576 395 1, 286	5, 482 32, 849 13, 119 9, 629 33, 841 26, 212

Table 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

CLASS		ER OF E			ARNERS (A	LVERAGE AR)	CLASS		ER OF E		WAGE EARNERS (AVERAGE FOR THE YEAR)			
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909	
All establishments	5, 108	5, 724	4, 588	134, 498	107, 522	70, 230	51 to 100	241 170	161 130	117 108	16, 955 26, 170	11, 605 20, 532	8, 589 16, 809	
No wage earners	95 2, 675 1, 365 576	747 3, 070 1, 104 444	479 2, 440 1, 089 319	8, 101 14, 847 18, 145	7, 075 12, 049 14, 326	5, 852 11, 999 9, 779	251 to 500 501 to 1,000 1,001 to 2,500	51 14 7 4	42 17 9	25	17, 294 9, 062 10, 272 13, 652	14, 960 11, 735	8, 190 4, 890	

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS		ER OF E		WAGE EARNERS (AVERAGE FOR THE YEAR)			YA.	LUE OF PRODU	CTS	VALUE ADDED BY MANUFACTURE 1			
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909	
All establishments	5, 198	5, 724	4, 588	134, 498	107, 522	70, 230	\$1,450,246,431	\$999, 995, 796	\$272, 895, 635	\$460, 306, 803	\$298, 824, 898	\$94, 717, 120	
Less than \$5,000	(²) 1, 940	1,440 1,936	1,746 1,512	(²) 5, 549	1, 091 5, 415	2, 646 7, 780	(²) 22, 115, 309	3, 904, 156 20, 895, 448	4, 297, 098 15, 442, 319	(2) 14, 018, 351	2, 478, 215 11, 902, 039	2, 943, 755 9, 636, 311	
\$20,000 to \$99,999 \$20,000 to \$49,999 \$50,000 to \$99,999	1, 915 1, 212 703	1, 391 (3) (3)	868 (3) (3)	16, 989 7, 989 9, 000	13, 511 (3) (3)	15, 724 (3) (3)	88, 534, 307 39, 278, 854 49, 255, 453	61, 576, 483 (3) (3)	39, 117, 172 (3) (3)	52, 778, 033 24, 011, 286 28, 766, 747	32, 490, 914 (³) (³)	19, 593, 400 (³) (³)	
\$100,000 to \$499,999 \$100,000 to \$240,999 \$250,000 to \$499,999	901 576 325	628 (3) (3)	426	32, 338 16, 011 16, 327	25, 201 (3) (3)	34, 894	205, 871, 840 91, 310, 709 114, 561, 131	143, 676, 554 (³) (³)	111, 984, 740	93, 511, 602 46, 948, 911 46, 562, 691	60, 593, 041 (3) (3)	43, 521, 809	
\$500,000 to \$999,999	231	166) [21,676	16, 026	J	160, 781, 010	112, 761, 377	J	61, 296, 443	39, 736, 851	J	
\$1,000,000 and over \$1,000,000 to \$2,499,999 \$2,500,000 to \$4,999,999 \$5,000,000 and over	211 148 37 26	163 (3) (8) (3)	36 (3) (3) (3)	57, 946 23, 154 6, 946 27, 846	46, 278 (3) (3) (3)	9, 186 (3) (3) (3) (3)	972, 943, 965 219, 633, 181 125, 016, 714 628, 294, 070	657, 181, 778 (3) (3) (3) (3)	102, 054, 306 (3) (3) (3)	238, 702, 374 77, 615, 320 34, 947, 562 126, 139, 492	151, 623, 838 (3) (3) (3) (3)	19, 021, 845 (3) (3) (3) (3)	

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

2 No data.

3 Not tabulated separately.

Table 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER (WAGE EARN AGE FOR T		VALUE OF	PRODUCTS	VALUE ADDED TUI	
	1929	1919	1929	1919	1929	1919	1929	1919
Total Type of ownership or control	5, 198	5, 724	134, 498	107, 522	\$1, 450, 246, 431	\$999, 995, 796	\$460, 306, 803	\$298, 824, 89
Corporate ownership or control Other forms of ownership or control (individual, partnership, etc.)	2, 474 2, 724	1, 653 4, 071	116, 076 18, 422	86, 638 20, 884	1, 341, 760, 257 108, 486, 174	882, 136, 923 117, 858, 873	409, 760, 768 50, 546, 035	249, 797, 94 49, 026, 95
TYPE OF OPERATION Central-administrative-office (plural-unit) Independent (single-unit)	1, 006 4, 192	(2)	67, 262 67, 236	(1)	921, 380, 839 528, 865, 592	(1) (1)	246, 921, 112 213, 385, 691	(i) (l)

¹ Not tabulated.

Table 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

		P	RIME MO	VERS AND	ELECTR	IC MOTORS	BORIVEN	BY PUR	CHASED	ENERGY			TALE	CTRIC
					Pri	me movers	3		:		Electri	e motors	MOTORS BY E	DRIVEN NERGY
	Aggregate horse- power	Total horse- power	Steam	engines	Steam	turbines		al-com- i engines	and	wheels water bines		by pur- energy	ESTABL	ISHMENTS ORTING
		of prime movers	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Nu b	Horse- power
The State: 1929 1927 1925 1919 1 1914 1	822, 860 635, 455 572, 798 440, 894 335, 496	378, 927 334, 956 359, 343 320, 355 292, 553	1, 821 1, 617 1, 723 2, 298 2 2, 541	191, 134 190, 448 207, 795 248, 653 2 262, 200	192 153 147 99 (8)	127, 113 96, 446 101, 425 32, 718 (8)	539 510 552 1,063 1,101	59, 990 46, 351 47, 517 36, 579 28, 300	8 12 17 34 30	690 1,711 2,606 2,405 2,053	41, 499 30, 438 20, 283 11, 483 5, 275	443, 933 300, 499 213, 455 120, 539 42, 943	6, 221 6, 177 6, 403 3, 078 2, 038	164, 782 152, 054 126, 211 56, 014 33, 190
Counties in which aggregate horsepower exceeded 25,000: 1929 Baxar Dallas El Paso.	40, 090 74, 210 36, 217	12, 762 28, 643 20, 082	36 81 39	4 5, 407 11, 705 5, 603	1 11 24	(4) 9,866 14,096	31 32 6	7, 355 7, 072 383	1	(1)	3, 189 5, 507 1, 620	27, 328 45, 567 16, 135	160 1,017 437	7, 331 13, 553 11, 333
Harris	120, 055 121, 301 59, 327	30, 224 89, 733 15, 564	104 118 46	13, 307 4 10, 488 10, 154	51 23 7	9, 352 74, 517 363	47 33 44	7, 565 4, 728 5, 047	1	(8)	7, 303 1, 857 3, 346	89, 831 31, 568 43, 763	249 2,650 142	7, 481 95, 482 2, 625

¹ Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

2 Reported as "Steam engines and turbines."

3 Not reported separately. See footnote 2.

4 Items for steam turbines and water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

4 Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

COUNTY		VERS AND DRIVEN BY F		Electric motors—	COUNTY	PRIME MO MOTORS I ENERGY	VERS AND DRIVEN BY F	ELECTRIC PURCHASED	Electric motors
	Aggregate	Prime movers	Electric motors	plant energy 1		Aggregate	Prime movers	Electric motors	plant energy 1
The StateAndersonAngelina	822, 860 4, 123 7, 610	378, 927 1, 272 6, 142	443, 933 2, 851 1, 468	164, 732	Jefferson Johnson Jones Karnes	5, 742 1, 839 487	89, 733 750 401 343	31,568 4,992 1,438 144	95, 482 50
Atascosa Austin Bastrop Baylor Bee	258 628 2, 383	145 600 275	258 483 1, 783		Kendall Kerr Kleberg	205 264 1 549	945 162 75 981	1, 255 43 189 568	680
Bell. Bexar Bosque	3, 855 40, 090 817	682 12,762 590	3, 173 27, 328 227	105 7,331	Lamar Lampasas Lavaca Liberty	2 002	1, 624 147 749 777	2, 383 25 1, 254 293	149
Bowio. Brazoria Brazos Brazos Brown Burnet	972 639	5,114 263 448 865 50	2, 117 709 191 1, 202 158	(2)	Liberty Limestone Llano Lubboek Lynn McCulloch	•	1, 085 50 1, 591	275 305 1,560	375
Caldwell Callahan Cameron Camp	5, 012 797	901 55 1,195 594	439 125 3,817 203	233	McLennan Marion Matagorda	19, 718 725 631	295 8, 995 678 424	10, 723 47 207	5, 242
Carson	1,156 1,062 108 2,433	975 108 2,050 940	1, 156 87 383 1, 892	(²) 329	Maverick Medina Monard Midland Milland	895	150 500 225	84 114 266 670	90
Childress	2, 832 134 809 3, 289 82	530 1,704 50	69 279 1,585 32	108	Montague, Montgomery, Morris Nacogdoches, Navarro.	2 810	330 2, 757 105 1, 934 2, 122	759 53 53 317 3,410	47
Comanda Comanda	1, 084 5, 602	940 546 287 1, 209	144 5,050 316 952	12 219	Newton Nolan Nueces Orange	5, 339 5, 838 3, 095	5, 339 1, 905 1, 375 5, 370	3, 933 1, 720 4, 738 1, 257	1, 155 3, 438
Cooka Coryell Cottle Crosby	503	278 120 75	46 60 128 428		Panola	726 1,727 106	611 565	115 1,162 106	(2)
Dallas Dawson Delta Denton	74, 210 543 319 2, 216	28, 643 165 215 1, 800	45, 567 378 104 416	13, 553	Polk. Potter. Presidio. Randall.	2, 012 7, 980 213	1, 920 2, 487	5, 493 211 77	35 447
De Witt	2, 533 182 16 1, 768 5, 546	980 110 652 1,750	1,553 72 16 1,116 3,796	94	Red River Robertson Runnels Rusk	1, 406 1, 028 1, 329 1, 654 1, 100	045 955 107 1,378 1,083	761 73 1, 222 276	
El Paso Erath Falls Fannin Fayette	36, 217 1, 570 885 2, 985	20, 082 750 620 825 1, 113	16, 135 820 265 2, 160 354	11, 333 401 158	RuskSan AugustineSan SabaSabaScurrySbackelfordSbelby	1, 100 58 393 203 2, 900	250 25 25 2,742	17 58 143 178 158	145
FisherFreestone		325 408 9,783	2, 476 370 8, 553 387	668 4, 7 79	Smith Starr Stephens Tarrant	4, 132 160 1, 423 59, 327	1, 017 1, 197 15, 564	3, 115 160 226 43, 763	69
Goliad	2, 100 1, 794	906 505 5, 585	1, 194 1, 289 9, 898	727	Taylor. Titus Tom Green Travis. Trinity	3, 414 422 2, 034 6, 010 2, 649	1, 143 290 415 2, 863 2, 590	2, 271 132 1, 619 3, 147 59	107
Gregg	15,483 1,419 1,170 1,751 1,818 517	1,077 919 1,325 692 435	342 251 426 1, 126 82	450 450	Tyler Upshur Uvalde Val Verde	2, 319 947 258 403	2, 313 812	6 135 258 403	43
Hardeman Hardin Harrison	3, 435 2, 911 120, 055 10, 473	1, 358 2, 700 30, 224 5, 206 150	2, 077 211 89, 831 5, 267	190 155 7, 481 1, 314	Victoria Walker Waller Ward	2, 350 17 125	220 2, 231 15 100	618 119 2 25	
HaysHemphillHondersonHidalgoHidalgo	494 105 1,028 3,309 3,146	150 75 525 422 465	344 30 503 2,887 2,681		Washington Webb Wharton Wheeler	1,742 1,944 1,186 753	15 1, 249 819 675	1, 727 695 367 78	40
Hockley Hopkins Houston Howard	64 841 1,369 2,020	30 470 1,054 240	3, 34 371 315 1, 780 1, 999	19 185 62	Wichita Wilbarger Williamson Wilson	13, 128 4, 420 2, 332 1, 026	4,984 1,681 1,651 705	8, 144 2, 739 681 321	360 475 66
Hunt Hutchinson Jackson Jasper	5, 519 5, 071 132 4, 055	3, 520 1, 720 75 3, 936	1,999 3,351 57 119	(²) 15	Wise	2,024 1,056 30,706	355 1, 646 750 15, 019	499 378 306 15, 687	20 1,465

Horsepower of electric motors driven by energy generated in establishments reporting.
 Included in total for State but not shown separately to avoid disclosing data for a single establishment.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	19:	29	1927 1	1923 1	1919 1	1914 1	1909 :
TIND	Quantity	Coșt .	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel:						·	
Coal, total 2 (tons, 2,000 pounds)	425, 831	\$1, 417, 458	411, 444	638, 340	897, 463	1, 296, 136	909, 965
Anthracite (tons, 2,240 pounds) Bituminous (tons, 2,000 pounds)	57, 449 361, 488	259, 487 1, 157, 971	(b) (b)	29, 274 605, 553	38, 600 854, 231	8, 890 1, 286, 179	21, 164 886, 261
Coke (tons, 2,000 pounds)	สาก รอง	531, 046 10, 856, 755 01, 542		0	158, 963 434, 675, 682 1, 273, 566	83, 632 235, 196, 010	86, 862 147, 033, 516
(łas, natural (M cubic feet) Gas, manufactured (M cubic feet) Other fuels.	08, 446, 988 28, 325, 404	11, 630, 692 5, 414, 280 1, 755, 561	(4)	: EE	4, 883, 550	6, 040, 046 (*)	714, 292 (4)
Electric energy purchased (kilowatt-hours)	728, 000, 318	9, 793, 126	(6)	(4)	(4)	(4)	(1)
Total cost of fuel and purchased energy		⁷ 41, 489, 860	Cost \$45, 780, 338	Cost (8)	Cost \$22, 892, 256	Cost \$10, 738, 385	Cost \$7, 195, 109

1 No data on cost of fuel, by kinds, were collected for years prior to 1929.
2 Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.

5 Not tabulated separately.
4 No data.
5 For years prior to 1920, reported in barrels; converted on basis of 42 gallons per barrel.
6 Data incomplete.
7 The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
5 Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

		Sala-	Wago	(RATEI	POWER CAPAC- POWER						
Industry	Num- ber of estab- lish- ments	ried officers and em- ployees	earners (aver- age for the	Prime	Electric motors driven	Salaries	Wages	Cost of ma- terials and containers for prod- ucts ¹	Cost of fuel and pur- chased electric energy	Value of products 1	Value added by manufac- ture 2.
The second secon		proyees	year)	movers	by pur- chased energy						
All industries, total	5, 198	3 21,645	134, 498	378, 927	443, 933	3\$49, 904, 900	\$151, 827, 257	\$962, 750, 112	\$27, 189, 516	\$1, 450, 246, 431	\$460, 300, 803
Awnings, tents, sails, and canvas covers————Bags, other than paper, not made in textile	22	87	365		238	183, 409	312, 688	1, 378, 262	14,001	2, 328, 683	936, 420
Baskets and rattan and willow ware, not in-	13	114	872		047	244, 811	546, 152	0, 870, 447	20, 316	11, 343, 203	1, 452, 530
Awnings, tents, sails, and canvas covers	14 5 325 33	40 11 336 93	878 16 1,470 842	1, 609 1, 342 1, 715	305 33 3, 103 2, 967	101, 106 14, 055 711, 945 213, 388	576, 985 20, 969 1, 766, 561 1, 285, 911	641, 167 104, 606 4, 573, 258 2, 910, 221	4,836 514 190,104 1,154,993	2, 067, 072 168, 644 12, 116, 643	1,421,069 63,524 7,353,281
Bookbinding and blank-book making Boots and shoes, other than rubber Boyss paper not alsowhere classified	9 9	18 17 43	49 151 326	110 110 111111111111111111111111111111	2, 307 68 122 284	46, 292 47, 472 92, 424	55, 920 137, 076 242, 505	54, 496 256, 393 981, 025	2, 606 5, 852 14, 602	9, 804, 128 278, 794 676, 650 1, 651, 047	5, 738, 914 221, 692 414, 405 655, 420
Boxes, wooden, except cigar boxes Bread and other bakery products Brooms	23 587 33	535 32	1, 149 5, 137 252	2, 447 1, 303 6	1, 771 7, 905 172	225, 582 1, 168, 233 58, 888	944, 147 5, 862, 247 226, 854	2, 802, 387 16, 272, 113 489, 494	35, 278 625, 165 8, 104	5, 351, 687 35, 881, 047 1, 000, 010	2, 514, 022 18, 983, 769 502, 412
Canning and preserving: Fish, crabs, shrimps,	61	164 17	376 315	133	4, 060	342, 038	403, 301	8, 489, 444	149, 480	11, 043, 201	2, 404, 277
oysters, and clams Canning and preserving: Fruits and voge- tables; pickles, jellies, preserves, and sauces. Car and general construction and repairs, elec-	46	101	597	209 331	499	24, 125 186, 383	82, 639 309, 929	255, 120 1, 962, 013	3, 463 32, 413	443, 424 3, 292, 225	184,832 1,297,799
	14	55	742		1, 195	126, 847	911, 076	651, 565	6,050	1, 738, 297	1,080,670
Car and general construction and repairs, steam-railroad repair shops	103	1,064	14, 633	11, 751	32, 280	2, 630, 383	21, 603, 981	17, 209, 976	1, 391, 607	43, 008, 426	24, 406, 848
Car and general construction and repairs, steam-railroad repair shops. Caskets, coffins, burial cases, and other morticians' goods. Cament	14 9 7	53 233 9	308 1,484 25	27, 813	517 21, 489 105	171, 615 717, 285 15, 684	347, 114 1, 869, 175	1, 016, 137 1, 119, 737	16, 517 3, 037, 156	1, 934, 176 11, 762, 429 590, 617	901, 522 7, 605, 536
Cheese	. 6	- 59	414	1,000	2, 754	142, 499	25, 842 601, 720	491, 859 2, 486, 558	6, 998 199, 916	4, 191, 015	91, 760 1, 504, 541
clay refractories Cleaning and polishing preparations Clothing (eyeant work elething) men's	50 6	229 11	2, 244 17	4, 300	6, 666 27	430, 833 24, 019	1, 800, 980 14, 254	381, 780 67, 961	1, 266, 810 535	5, 816, 387 191, 360	4, 167, 797 122, 864
Clay products (other than pottery) and non- clay refractories. Cleaning and pollshing proparations. Clothing (except work clothing), men's, youths', and boys', not elsewhere classified. Clothing, work (including skeep-lined and blanket-lined work costs but not including shirts) men's	18 38	31 143	277 1, 054	4	74 248	77, 849 328, 311	199, 070 1, 021, 752	303, 987 2, 596, 278	6, 080 28, 647	750, 151 5, 310, 971	440, 075 2, 686, 051
Ooffee and spice, reasting and grinding Compressed and liquefied gases Concrete products Confect products	63 21 52 72	192 184 178 100 183	3, 390 370 141 522 1, 184	110 10 877 24 420	840 1, 665 4, 853 1, 493 1, 061	402, 021 503, 921 282, 142 230, 419 400, 759	1, 776, 111 364, 621 184, 238 641, 469 780, 093	5, 298, 006 12, 413, 465 456, 901 624, 254 3, 175, 908	46, 251 61, 805 195, 052 18, 879 65, 439	9, 159, 841 16, 807, 165 2, 183, 154 2, 189, 351 6, 526, 351	8, 815, 084 4, 331, 895 1, 531, 201 1, 546, 218 3, 285, 004
Cooperage. Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified. Cotton goods. Druggists' preparations.	12 79	16 99	145 544	40 20	456 666	44, 114 218, 247	128, 513 774, 655	575, 591 2, 005, 151	6, 583 20, 676	941, 067 4, 001, 036	358, 943 1, 975, 269 7, 385, 393
Cotton goods. Druggists' preparations. Electrical machinery, apparatus, and supplies. Electroplating. Engraving, steel and copperplate, and plate	27 6 17 5	222 39 33 1	4, 649 61 150 27	4, 268 120	15, 506 114 441 77	531, 149 97, 859 72, 610	8, 289, 506 64, 462 152, 515 31, 599	10, 853, 544 238, 918 451, 429 11, 536	623, 280 9, 934 26, 557 2, 627	18, 862, 217 779, 571 917, 469 74, 038	7, 385, 393 530, 719 439, 483 59, 875
Engraving, steel and copperplate, and plate printing. Feeds, prepared, for animals and fowlsFlavoring extracts and flavoring sirups	9 43 13 15	51 167 24 71	170 373 177 82	1, 291	86 7, 020 1, 360 205	133, 052 380, 091 43, 573 199, 236	218, 186 397, 533 152, 077 164, 865	249, 272 10, 870, 150 1, 928, 035 1, 740, 953	7, 206 92, 644 19, 483 20, 153	926, 082 13, 905, 079 2, 920, 748 5, 064, 120	669, 604 2, 942, 285 973, 230 3, 303, 014
See footnotes at end of table.		19	1.1		ranger Caranger	性 法国外政务	tier bestehtigt				

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

			[S	ee note a	t head of	f this table]					
Industry	Num- ber of estab-	Sala- ried officers and	Wage earners (aver- age for	(RATED ITY) OF EQUIF	Electric	Salaries	Wages	Cost of materials and containers for prod-	Cost of fuel and pur- chased electric	Value of products 1	Value added by manufac-
	lish- ments	em- ployees	age for the year)	Prime movers	motors driven by pur- chased energy			uets 1	energy	en ten o	ture ²
Flour and other grain-mill products	107	617 69	1, 326 406	12, 102 220	15, 723 564	\$1, 524, 227 172, 065	\$1,631,279 283,432	\$41, 107, 356 2, 372, 268	\$402, 684 40, 838	\$51, 378, 284 4, 084, 783	\$9, 868, 244 1, 671, 677
Food preparations, not elsewhere classified Foundry and machine-shop products, not elsewhere classified	199	1, 285	8, 422	1, 488	29, 297	4, 460, 465	11, 226, 370	15, 745, 213	972, 795	49, 180, 837	32, 462, 829
where classified. Furnishing goods, men's, not elsewhere classified.	3 44	6 177	60 1, 512	670	16 4, 127	12, 945 488, 722	22, 212 1, 813, 963	99, 193 2, 893, 739	1, 243 80, 923	207, 704 6, 739, 923	107, 268 8, 765, 261
Furniture, including store and office fixtures. Glass products (except mirrors) made from purchased glass.		14	51		48 12	34, 756 38, 090	76, 783 44, 083	190, 203 49, 899	1, 468 1, 269	371, 939 210, 321	180, 268 159, 153
Hand stamps and stencils and brands Hats and caps, except felt and straw, men's House furnishing gods, not elsewhere classi-	7 4	12 16	38 50	 	16	47, 295	20, 802	105, 797	1, 448	296, 298	189, 053
Glass products (except mirrors) made from purchased glass. Hand stamps and stencils and brands. Hats and caps, except felt and straw, men's House-furnishing goods, not elsewhere classified. Ice cream. Ice, manufactured. Ink, printing. Jewelry. Lime Lithographing. Lumber and timber products, not elsewhere classified.	126 439 3 9	5 192 591 14 7	32 681 2, 946 10 43	412 44, 308	5, 742 53, 706 153 22	9, 680 421, 578 1, 268, 459 22, 392 10, 211	18, 980 875, 091 3, 368, 148 10, 674 55, 739	190, 199 3, 795, 132 704, 279 58, 858 66, 315	236, 482 2, 550, 452 3, 355 1, 333	255, 016 7, 990, 224 19, 192, 105 130, 245 203, 413	63, 958 3, 958, 610 15, 937, 374 68, 032 135, 765 703, 423
JeweiryLimeLithographing	6	34 62	413 111	342	1, 842 170	94, 934 177, 862	347, 828 167, 699	396, 444 296, 883	175, 098 6, 819	203, 413 1, 274, 965 835, 636	703, 423 531, 934
Lumber and timber products, not elsewhere classified Macaroni, spaghetti, vermicelli, and noodles	325 10	819 28	16, 387 97	57, 462	725 310	1, 862, 422 50, 613	13, 915, 100 56, 497	15, 559, 567 270, 389	198, 594 14, 236	44, 506, 136 521, 186	28, 747, 975 236, 561
Marble, granite, slate, and other stone prod- ucts	61	72	467	245	9, 400	172, 537	692, 861	840, 078	65, 983	2, 490, 769	1, 584, 708
Mattresses and bed springs, not elsewhere classified Meat packing, wholesale.	72 41	62 805	443 3, 650	37 8, 249	1, 479 14, 959	132, 504 1, 851, 717	422, 001 4, 131, 724	1, 375, 459 75, 556, 456	29, 975 685, 744	2, 586, 592 88, 273, 991 1, 890, 170 59, 942	1, 181, 158 12, 031, 791
Mattresses and sed springs, not eisewhere classified Meat packing, wholesale Millinery Mirror and picture frames Mirrors, framed and unframed Models and patterns, not including paper pat-	17 3 6	84 1 4	397 9 20	5	37 8 46	209, 501 (⁴) 5, 034	338, 263 7, 912 27, 025	843, 125 38, 544 39, 681	10, 378 452 1, 095	1, 899, 170 59, 942 108, 753	1, 045, 667 20, 946 67, 977
Models and patterns, not including paper pat- terns		1	16		73	(4)	21, 569	9, 269	1, 114	71, 400	61, 017 675, 772
terns. Motor-vehicle bodies and motor-vehicle parts. Nonferrous-metal alloys and products, not in-	16 12	43 38	218 150		1, 243 717	119, 127 106, 235	274, 247 219, 010	382, 453 1, 288, 083	17, 783 33, 876	1, 076, 008 1, 987, 770	665, 811
cluding aluminum products Oil, cake, and meal, cottonseed Paints and varnishes Patent or proprietary medicines and com-	176 18	961 99	4, 480 173	40, 709	33, 759 790	106, 235 2, 100, 237 257, 412	219, 010 3, 474, 890 174, 374	1, 288, 083 77, 680, 210 1, 845, 839	1, 574, 497 24, 455	95, 351, 198 3, 118, 219	16, 096, 491 1, 247, 925
Patent or proprietary medicines and com- pounds. Peanuts walnuts and other nuts, processed or	23	51	77		39	169, 552	66, 995	500, 297	3, 249	1, 485, 427	981, 881
pounds. Peanuts, walnuts, and other nuts, processed or shelled. Perfumes, cosmetics, and other toilet preparations.	23 12	78 31	1, 835 86	761	878 23	145, 813 49, 376	555, 594 56, 997	4, 336, 860 232, 120	30, 904 1, 581	6, 417, 560 686, 826	2, 049, 796 453, 125
Petroleum refining	83	2, 811	19, 434	107, 631	75, 009	5, 782, 967	27, 286, 414	420, 755, 654	6, 649, 803	519, 005, 136	91, 599, 679
lishments	16	71	127		147	200, 483	316, 298	78, 142	11, 273	943, 826	854, 411
with sawmills Pottery, including porcelain ware	122 9	385 9	2, 144 70	4,874 194	8, 515 199	1, 052, 841 23, 340	2, 496, 339 71, 124	5, 783, 830 17, 001	132, 828 17, 395	11, 372, 167 201, 398	5, 455, 509 167, 002
Poultry killing, dressing, and packing, whole- sale	44 321	103 737	653 2,375	569 2	810 3,246	214,918 1,699,564	497, 299 3, 469, 087	9, 875, 045 3, 523, 512	43, 218 135, 655	11, 687, 343 13, 214, 351	1, 769, 080 9, 555, 184
Printing and publishing, newspaper and periodical	492 12	3, 863 107	3, 731 353	451 3,524	9,026 1,566	7, 513, 595 288, 302	6, 749, 424 331, 178	8, 887, 591 8, 284, 960	382, 472 66, 157	38, 423, 907 10, 302, 976	29, 153, 844 1, 951, 859
Rice cleaning and polishing Rubber goods other than tires, inner tubes, and boots and shoes	6	27	98	0, 024	357	42, 406	70, 417	139, 495	6, 555	405, 004	258, 954
Saddlery and harness	20	78	326		331	153,736	350, 871	1, 489, 572	10, 300	2, 383, 887	884, 015
establishments	7	17	77	200	293	34, 411	78, 490	1, 037, 527	9, 989	1, 371, 826	324, 310 1, 697, 268
cluding repair work	9 7	49 10	579 214	160 50	3, 133 25	145, 268 15, 900	886, 213 147, 827	568, 132 327, 588	42, 635 3, 999	2, 308, 035 623, 176	291, 589
table cooking oils. Signs and advertising novelties. Steel barrels, kegs, and drums. Stereotyping and electrotyping, not done in printing establishments. Stoves and ranges (other than electric) and	8 30	108 68	308 269	2,850	1, 149 149	238, 542 193, 168	359, 757 346, 339	14, 836, 608 321, 562	145, 393 9, 176 9, 998	17, 709, 031 1, 409, 572 2, 733, 805	2, 727, 030 1, 078, 834 901, 367
Steel barrels, kegs, and drums Stereotyping and electrotyping, not done in printing establishments	4	87 2	254 23	325	516 106	127, 452	342, 105 37, 025	1, 822, 440	4, 221	102, 254	79,930
Stoves and ranges (other than electric) and warm-air furnaces. Structural and ornamental iron and steel work,	3		7		8		6, 200	16, 000		29, 065	13, 065
not made in plants operated in connection with rolling mills	32	411	1, 460	851	5, 575	885, 484	1,969,016	6, 034, 231	101, 562	11, 309, 178	5, 173, 385
Surgical and orthopedic appliances, includ- ing artificial limbs	4 7	4 27	16 111		18 171	8, 580 65, 728	18, 285 93, 581	13, 774 196, 145	635 3, 501	81, 400 456, 535	66, 991 256, 889 277, 520
Vinegar and older Wall plaster, wall board, insulating board, and	4	17	26		75	42, 730	26, 465	235, 979	3, 935	517, 434	
floor composition	7 10 11	54 39 24	460 100 74	1, 230	6, 539 357 29	119, 295 63, 025 48, 921	655, 413 115, 496 73, 291	1, 542, 562 231, 794 801, 275	253, 398 9, 018 2, 124	3, 841, 367 496, 218 1, 114, 122	2, 045, 407 255, 406 310, 723
Wirework, not elsewhere classified	4 9	8 190	35 1,733	4, 244	57 2, 520	19, 266 326, 855	48, 616 1, 879, 482	93, 965 15, 967, 060	2, 219 299, 184	176, 429 21, 622, 654	80, 245 5, 356, 410
Wood turned and shaped and other wooden goods, not elsewhere classified	6 146	8 957	86 7,871	500 22, 820	3 24, 262	18, 695 2, 698, 098	61, 055 8, 750, 708	135, 584 82, 585, 372	1, 950 2, 221, 364	260, 279 125, 154, 250	122, 745 40, 347, 514
	1	""	',".	1 , , , ,					11 - 1 - 1 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>

¹ The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General Explanations—Duplication in Cost of Materials and Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

3 Not including data for 3,149 employees of central administrative offices, with salaries aggregating \$8,382,230. See General Explanations—Persons Engaged.

4 Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TEXAS

Table 13.—GENERAL STATISTICS FOR IMPORTANT COUNTIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

	ī			li					ĺ		
INDUSTRY	Num- ber of estab-	Sal- aried officers	(uver-	(RATED ITY) OF	POWER CAPAC- POWER PMENT	Salaries	Wages	Cost of materials and con-	Cost of fuel and purchased	Value of	Value added l manu
	lish- ments	em- ploy- ees	age for the year)	Prime movers	motors driven by pur- chased energy	1		tainers for products *	electric energy		facture
	!	·	BE	XAR CO	UNTY	I					
	412	1, 775	9, 395	12, 762	27, 328	\$3, 876, 899	\$8, 946, 800	\$34, 415, 720	\$1, 320, 401	\$60, 804, 038	\$25, 007,
veragesead and other bakery products	9 69 9	34 86 50	144 565 521	1,010 209	221 712 51	93, 742 188, 206 95, 414	186, 005 633, 833 330, 158	298, 762 1, 720, 864 560, 536	17, 654 73, 235 6, 480	914, 679 3, 703, 521 1, 446, 036	508, 1,903, 870,
othing, work (including sheep-lined and blanket- ined work coats but not including shirts), men's ffee and spice, roasting and grinding	7 8 4	22	312 40		76 178	48, 090 128, 922	159, 075 43, 342	455, 574 1, 564, 641	4, 956 8, 819	830, 298 2, 125, 678	369, 552, 160,
mpressed and liquefied gases norote products prestionery	11 11	43 12 25 36	16 141 247	70 14	370 199 208	26, 976 57, 316 105, 015	21, 312 185, 250 144, 760	3, 678 127, 584 630, 853	18, 136 3, 700 10, 120	182, 476 500, 060 1, 184, 596	100 308 543
All industries, total verages ead and other bakery products othing, women's, not elsewhere classified othing, work (including sheep-lined and blanket- ined work coats but not including shirts), men's ifiee and spice, roasting and grinding mpressed and liquefied gases mercete products mercete products meterical machinery, apparatus, and supplies eds, prepared, for animals and fowls od preparations, not elsewhere classified undry and machine-shop products, not elsewhere lassified	3 6 12	5 7 20	48 23 201	75	67 406 305	10, 940 12, 925 59, 500	30, 633 24, 642 115, 580	93, 855 377, 570 780, 775	5, 500 8, 600 22, 116	181, 287 539, 771 1, 464, 835	153, 661,
rnitura inaluding store and office firtures		135 7 6	596 45 29		$\substack{1,463\\112\\281}$	349, 817 9, 276 10, 625	811, 907 55, 615 41, 851	777, 039 50, 916 202, 802	36, 223 1, 725 10, 523	2, 202, 455 176, 413 458, 408	1, 479 123 245
, manufactured arble, granite, slate, and other stone products attresses and bed springs, not elsewhere classified	16 7 6	28 9 13	143 45 45	1,625 50	$3,913 \\ 147 \\ 122$	68, 078 22, 219 20, 440	154, 064 51, 114 39, 125	28, 144 54, 043 122, 930 4, 660, 836	187, 530 4, 523 1, 000	1, 024, 960 235, 249 223, 520	809 176 98 880
eat packing, wholesale 1, cake, and meal, cottonseed anuts, walnuts, and other nuts, processed or shelled.	9 4 10	74 24 23 5	272 114 1, 189	430 960 6	712 871 47	148, 303 53, 555 37, 991 8, 793	283, 117 93, 327 233, 530	716, 958	50, 457 48, 403 3, 401	5, 592, 070 3, 236, 526 1, 593, 716	880 240 873 07
rfumes, cosmetics, and other tollet preparationstroleum refining	3 5	30 30	31 142	350	570	63, 990	19, 610 190, 070	70,015 4,985,835	26, 561	5, 472, 211	459
ot made in planing mills connected with sawmills nting and publishing, book and job nting and publishing, newspaper and periodical sage, meat puddings, headebees, etc., and sausage	11 32 16	50 62 432	407 295 321	296	1, 142 356 863	142, 320 125, 843 706, 568	480, 805 349, 559 624, 307	693, 671 424, 793 1, 096, 898	15, 093 14, 052 25, 101	1, 598, 522 1, 483, 156 3, 532, 554	880 1,043 2,410
cream. , manufactured. , manufactured. , manufactured. , manufactured. , raphe, granite, slate, and other stone products attresses and hed springs, not elsewhere classified. , cake, and meal, cottonseed. , cake, and meal, cottonseed. anuts, walnuts, and other nuts, processed or shelled. frumes, cosmetics, and other tollet preparations troleum refining. aning-mill products (including general millwork), not made in planing mills connected with sawmills. inting and publishing, newspaper and periodical usage, meat puddings, headoheese, etc., and sausage rasings, not made in meat-packing establishments ins and advertising novolties. uctural and ornamental iron and steel work, not made in plants operated in connection with rolling mills. her industries.	3 4	10	33 40		158 23	10, 191 20, 200	23, 724 41, 444	325, 869 32, 121	4, 839 1, 307	445, 946 120, 248	115 02
nillsher industries	105	87 432	368 3, 022	7, 667	850 12, 807	217, 012 1, 034, 632	403, 061 3, 175, 980	1, 102, 497 9, 508, 323	20, 125 688, 206	2,417,024 17,083,950	1, 204 7, 487
	,		DAL	LAS CO	UNTY	jira,	i lear	1.1			4, 4
All industries, total	572	3, 142	13, 853	28, 643	45, 567	\$7, 998, 600	\$15, 516, 789		\$2,391,978		
All industries, total verages okbinding and blank-book making xes, wooden, except cigar boxes sad and other bakery products, soms nning and preserving Fruits and vegetables; sickles, jellies, preserves, and sauces r and general construction and repairs, steam-rail- cond repairs shops	9 4 3 43 4	28 17 10 144 7	116 32 75 1, 056	200 700	284 50 90 1, 207	72, 613 44, 902 26, 850 294, 559 15, 215	185, 126 34, 264 55, 332 1, 032, 419 67, 321	480, 290 45, 860 146, 302 3, 279, 803 159, 289	14, 886 1, 850 3, 092 90, 089 1, 922	1, 301, 311 213, 515 270, 795 8, 080, 607 280, 958	806 105 130 4,709 128
nning and preserving: Fruits and vegetables; ickles, jellies, preserves, and sauces	6	23	49		72	51, 315	37, 362	518, 400	4, 663	874, 030	350
and general construction and repairs, steam-ran- oad repair shops. thing (except work clothing), men's, youths', and oys', not elsewhere classified.	4	14 7	171 125	30 4	1, 312 31	36, 171 19, 510	265, 491 87, 383	237, 336	23, 414 3, 242	502, 412 256, 076	301 185
oys', not elsewhere classified	13	55	801 389		107	154, 102	423, 533	67, 188 1, 363, 386	14, 465	2, 409, 300	1,031
	6 7 17 7	16 25 52 13	67 442 78	315	140 276 339 619	36, 340 75, 376 96, 159 28, 458	240, 780 68, 703 303, 580 117, 501	577, 623 1, 406, 169 1, 213, 094 92, 479	6, 371 8, 609 21, 079 2, 628	997, 381 1, 950, 807 2, 449, 184 317, 127	413 586 1, 215 222
nee and spice, roasting and grinding infectionery nerete products pper, tin, and sheet-iron work, including galvanized- on work, not elsewhere classified graving, steel and copperplate, and plate printing voring extracts and flavoring sirups ur and other grain-mill products of proparations, not elsewhere classified undry and machineshop products, not elsewhere	13 3 5 5	8 13 25 49 16	88 41 29 182 52	10 1,500 5	214 18 88 800 109	17, 935 32, 860 76, 554 129, 341 31, 171	136, 493 55, 760 32, 087 240, 392 45, 130	288, 758 28, 805 1, 409, 527 4, 951, 055 475, 531	1, 840 2, 954 4, 252 35, 877 4, 518	619, 157 187, 613 4, 103, 907 6, 058, 735 722, 681	328 155 2, 690 1, 071 242
nidry and machine-shop products, not elsewhere lassified raiding store and office fixtures.	30 17	202 76	1, 095 488	400	3, 223 1, 471	695, 495 214, 306	1, 570, 761 559, 000	3, 515, 830 1, 072, 239 499, 507	83, 217 24, 668	9, 583, 528 2, 265, 960	
eream, manufactured, velry uttresses and bed springs, not elsewhere classified	10 25 4 7	25 34 3 3	100 172 15 31	6, 730	730 3,523 9 129	75, 342 139, 932 3, 582 9, 380	136, 250 215, 551 27, 103 34, 965	490, 507 62, 001 47, 587 93, 743	30, 470 220, 622 687 2, 792	1, 076, 736 1, 456, 974 103, 326 162, 591	5, 934 1, 169 546 1, 174 55 60
nierrous-metal alloys and products, not including luminum products. cake, and meal, cottonsced	3 6 11	3 54 41	108	1,860	43 1,385 334	11, 678 159, 756 142, 231	20, 910 295, 427 102, 358	42, 787 11, 679, 569 1, 241, 990	1, 703 132, 711 16, 684	97, 724 12, 933, 979 2, 007, 684	53 1, 121 749
tent or proprietary medicines and compoundsfumes, cosmetics, and other toilet preparationsoto-engraving, not done in printing establishments	9 3 3	22 7 15	38 21 31		15 12 29	83, 678 10, 028 62, 207	39, 175 10, 915 89, 290	303, 380 62, 472 22, 955	1,720 712 3,943	897, 262 211, 854 247, 522	592 148 220

See General Explanations—Duplication in Cost of Materials and Value of Products.

b Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

TABLE 13.—GENERAL STATISTICS FOR IMPORTANT COUNTIES, BY INDUSTRIES: 1929—Continued
[See note at head of this table]

HORSEFOWER											
	Num-	Sal- aried	Wage	(RATED	CAPAC- POWER			Cost of	Cost of fuel and		Value added by
INDUSTRY	ber of estab- lish- ments	officers and em- ploy- ees	(a ver- age for the year)	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	and con- tainers for products a	purchased electric energy	Value of products a	manu- facture
		DA	LLAS	COUNT	Y-Con	inued					
Planing-mill products (including general millwork), not made in planing mills connected with sawmills. Printing and publishing, book and job. Printing and publishing, newspaper and periodical. Signs and advertising nevelties. Structural and ornamental iron and steel work, not made in plants operated in connection with rolling	11 72 30 12	55 199 751 25	212 524 487 122	645	544 922 1,870 84	\$175, 522 476, 488 1, 515, 935 112, 672	\$275, 211 899, 142 903, 086 149, 430	\$684, 934 925, 954 2, 894, 166 144, 535	\$10, 636 35, 953 50, 900 3, 573	\$1,307,143 3,508,993 7,699,453 570,718	\$611, 573 2, 547, 086 4, 754, 387 422, 610
made in plants operated in connection with rolling mills	6 150	111 994	343 5, 935	86 15, 740	1, 277 24, 189	233, 948 2, 636, 899	497, 432 6, 261, 226	1, 430, 202 59, 005, 685	16, 756 1, 507, 490	2, 602, 261 89, 854, 480	1, 155, 303 29, 341, 305
			EL P	ASO C	OUNTY			•			
All industries, total	160	826	6, 224	20, 082	16, 135	\$1, 934, 670	\$6, 548, 115	\$38, 738, 066	\$1, 433, 505	\$54, 474, 189	\$14, 302, 618
Beverages Bread and other bakery products Canning and preserving: Fruits and vegetables; pick-	7 23	12 24	45 259	2	76 268	17, 906 48, 765	42, 517 297, 755	114, 792 718, 609	3, 704 38, 603	271, 868 1, 520, 756	153, 372 772, 544
les, jellies, preserves, and sauces	د	1	9	11	5	(1)	3, 360	30, 820	124	50, 271	19, 327
car and general construction and repairs, steam-rail- road repair shops. Coffee and spice, roasting and grinding. Compressed and liquefied gases. Copper, tin, and sheet-iron work, including galvanized- iron work, not elsewhere classified. Flour and other grain-mill products.	5 5 4 3	99 7 8 2	1,730 20 9 13	1, 053 	1,468 60 150 33	251, 282 17, 590 15, 936 (¹)	2, 588, 898 16, 213 14, 885 10, 095	1, 669, 799 268, 935 40, 800 10, 379	112, 287 2, 939 13, 772 334	4, 622, 266 383, 037 151, 713 40, 945	2, 840, 180 111, 163 97, 141 30, 232
Copper, iin, and sheet-fron work, including galvanized- fron work, not elsewhere classified. Flour and other grain-mill products. Ice cream. Ice, manufactured. Oil, cake, and meal, cottonseed. Printing and publishing, book and job. Printing and publishing, newspaper and periodical. Other industries.	۱ ٪	11 22 2 15 28 46 197 352	33 47 27 90 128 80 223 3, 511	1, 110	107 545 272 1, 633 2, 228 98 436 8, 756	29, 279 55, 444 (1) 44, 701 43, 725 99, 422 381, 784 928, 836	43, 604 42, 551 34, 288 91, 146 70, 128 96, 510 377, 845 2, 818, 822	219, 102 889, 259 144, 206 32, 300 1, 298, 039 81, 439 251, 615 32, 972, 963	1,792 12,534 8,133 80,465 41,029 5,014 21,756 1,091,019	359, 537 1, 058, 840 297, 269 599, 045 1, 801, 969 403, 838 1, 573, 224 41, 380, 611	138, 643 157, 047 144, 930 486, 271 467, 901 317, 385 1, 299, 853 7, 266, 629

See General Explanations—Duplication in Cost of Materials and Value of Products.
 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

HARRIS COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Petroleum refining"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	475	4, 082	22, 131	30, 224	89, 831	\$9, 812, 004	\$28, 096, 678	\$187, 367, 151	\$4, 362, 198	\$285, 227, 185	\$93, 497, 836
			JEFF)	erson	COUNT	r y				·	
All industries, total	141	2, 037	14, 386	89, 733	31, 508	\$4, 735, 209	\$19, 630, 752	\$231, 250, 410	\$4, 346, 106	\$297, 159, 552	\$61, 563, 036
Beverages Bread and other bakery products. Coffee and spice, roasting and grinding. Foundry and machine-shop products, not elsewhere	8 23 5	15 21 20	42 171 14		75 403 71	28, 215 35, 534 35, 425	54, 491 233, 312 17, 400	148, 617 637, 067 355, 946	3, 822 27, 795 5, 942	379, 609 1, 308, 348 480, 855	227, 170 643, 486 118, 967
classified. Loc cream	11 5 10 8 3	60 5 42 41	509 33 120 736 17	550 530 2, 890	2, 073 137 1, 915 75 23	224, 501 20, 240 95, 862 107, 245	16,794	857, 973 189, 280 11, 803 1, 032, 093 50, 862	88, 219 7, 253 90, 508 2, 089 734 3, 897, 782	2, 929, 925 367, 358 581, 454 2, 627, 273 96, 708 270, 756, 281	1, 983, 733 170, 825 479, 143 1, 593, 091 45, 112 49, 190, 373
Petroleum refning. Planing-mill products (including general millwork), not made in planing mills connected with sawmills. Printing and publishing, book and job	3 10 3 47	1, 360 21 18 27 407	10, 798 66 55 86 1, 739	82, 008 750 3, 005	18, 114 317 69 830 7, 466	3, 076, 908 113, 728 45, 138 85, 542 866, 871	98, 247 82, 733 82, 460 2, 402, 861	217, 668, 126 194, 182 66, 225 2, 105, 911 7, 932, 325	6, 755 3, 871 42, 607 168, 729	506, 577 317, 095 2, 622, 792 14, 185, 277	305, 640 246, 990 474, 274 6, 084, 223

TARRANT COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Ment packing, wholesale"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

						1				1	
All industries, total	246	1, 914	8,600	15, 564	43, 763	\$4, 596, 309	\$10, 607, 560	\$96, 077, 438	\$2, 077, 969	\$131, 336, 433	\$33, 181, 026
				1		<u> </u>					

¹ Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY	Number of establishments	Sala- ried officers and em- ploy- ees	age for the year)	(RATED ITY) OF EQUID	POWER CAPAC- POWER MENT Electric motors driven by pur- chased energy	Salaries	Wagos	Cost of materials and con- tainers for products a	Cost of fuel and purchased electric energy	Value of products •	Value added by manufac- ture b
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DALLAS

[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	535	2, 828	12, 048	17, 510	81, 761	\$7, 192, 920	\$13, 630, 181	\$82, 400, 585	\$1, 243, 762	\$142, 512, 320	\$58, 867, 973
				EL PAS	0						
All industries, total	147	714	5, 160	4, 382	10, 669	\$1, 585, 427	\$5, 453, 576	\$13, 306, 370	\$531, 704	\$24, 605, 307	\$10, 767, 233
Beverages. Bread and other bakery products Car and general construction and repairs, steam-railroad	7 23	12 24	45 259	2	76 268	17, 900 48, 765	42, 517 297, 755	114, 792 718, 609	3, 704 38, 603	271, 878 1, 529, 756	153, 382 772, 544
repair snops. Coffee and spice, reasting and grinding. Compressed and liquefied gases. Concrete products. Copper, tin, and sheet-iron work, including galvanized.	5 4 3	99 7 8 2	1, 730 20 9 13	1, 053 12	1, 468 60 150 33	251, 282 17, 590 15, 936 (1)	2, 588, 898 16, 213 14, 885 10, 095	1, 669, 799 268, 935 40, 800 10, 379	112, 287 2, 939 13, 772 334	4, 622, 266 383, 037 151, 718 40, 945	2, 840, 180 111, 163 97, 141 30, 232
Iron work, not elsewhere classified Flour and other grain-mill products? Lee cream Lee, manufactured Printing and publishing, book and Job Printing and publishing, newspaper and periodical? Other industries 3	4 5 4 13 11 59	11 22 2 15 46 197 269	33 47 27 90 80 223 2, 584	1, 110	107 545 272 1, 633 98 436 5, 523	20, 270 55, 444 (1) 44, 701 99, 422 381, 784 623, 318	43, 604, 42, 551 34, 288 91, 146 96, 510 377, 845 1, 797, 269	219, 102 889, 250 144, 206 32, 309 81, 439 251, 615 8, 865, 126	1, 792 12, 534 8, 133 80, 465 5, 014 21, 756 230, 371	359, 537 1, 058, 840 297, 269 599, 045 403, 838 1, 573, 224 18, 818, 950	138, 643 157, 047 144, 930 486, 271 317, 385 1, 299, 863 4, 218, 462

See General Explanations—Duplication in Cost of Materials and Value of Products.
 Value of products less cost of materials, containers for products, fiel, and purchased electric energy. This item does not represent manufacturers' profits. See General, Explanations—Profits and Production Costs.

Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

The items for each of the 2 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.

See footnote 2.

FORT WORTH

[Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely "Meat packing, wholesale"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage cerners employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total	228	1, 751	6, 461	14, 793	31, 488	\$4, 192, 519	\$8, 273, 505	\$84, 695, 219	\$1, 225, 042	\$113, 614, 152	\$27, 693, 891
			. 1	HOUST	ON						
All industries, total	429	3, 101	16, 264	12, 856	51, 155	\$8, 215, 658	\$20, 301, 484	\$77, 482, 970	\$2, 288, 204	\$145, 049, 659	\$65, 278, 485
Bags, other than paper, not made in textile mills	8 7 10 6	55 20 82 5 23 50 32 8	419 113 836 26 389 135 159 30	325	663 165 930 21 56 534 249 54	123, 324 58, 833 195, 537 7, 715 54, 770 105, 317 89, 472 16, 710	306, 907 125, 809 1, 075, 849 25, 987 179, 116 121, 877 178, 733 23, 996	5, 229, 102 324, 540 2, 958, 146 48, 175 434, 791 6, 808, 004 122, 712 76, 518	10, 868 5, 050 81, 639 569 4, 584 20, 102 3, 328 1, 924	6, 074, 198 840, 080 6, 939, 220 119, 433 1, 014, 705 9, 282, 747 516, 230 162, 879	834, 228 510, 490 3, 899, 435 70, 689 575, 330 2, 394, 641 380, 195 84, 437
iron work, not eisewhere classified. Electrical machinery, apparatus, and supplies Foundry and machine-shop products, not eisewhere classified. Furniture, including store and office fixtures	41 7 7	585 47 34 47 17 23	35 '4, 242 522 121 216 72 134	120 70 3, 700	97 15, 900 1, 233 773 5. 355 378 466	26, 067 2, 231, 683 149, 671 91, 000 114, 555 49, 121 46, 644	46, 318 5, 621, 597 745, 040 140, 037 307, 641 117, 486 122, 726	108, 122 5, 772, 025 788, 974 752, 466 25, 796 115, 686 373, 029	2, 425 483, 520 23, 942 33, 435 251, 617 8, 839 11, 104	213, 364 22, 216, 119 2, 183, 637 1, 469, 235 1, 507, 790 378, 479 830, 130	102, 817 15, 960, 574 1, 370, 721 683, 334 1, 230, 377 253, 954 445, 997
reaning-mill products (including general, milwork), not made in planting mills connected with sawmills Poultry killing, dressing, and packing, wholesale Printing and publishing, book and job Printing and publishing, newspaper and periodical Rice cleaning and polishing. Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills Other industries 5.	18 3 50 11 4 4	79 5 165 712 44 66 949	316 18 417 387 128 307 7, 103	465 1,600 6,573	452 1, 166 637 1, 088 19, 914	189, 651 9, 470 397, 011 1, 433, 615 122, 932 139, 166 2, 411, 229	411, 320 15, 346 628, 072 891, 414 122, 123 416, 281 8, 513, 428	995, 022 232, 800 685, 027 1, 456, 238 3, 772, 393 1, 323, 909 44, 125, 701	12, 754 769 18, 880 34, 312 14, 764 14, 574 1, 244, 954	1, 852, 679 349, 052 2, 522, 070 6, 650, 886 4, 634, 779 2, 304, 564 71, 545, 676	844, 903 115, 483 1, 818, 163 5, 160, 336 847, 622 966, 081 26, 175, 021

^{&#}x27;The items for each of the 3 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question. Amounts equivalent to the sums of the figures for these establishments have been subtracted from the "Other industries" items, and therefore the totals for the city are not affected by these counterbalancing adjustments.

See footnote 4.

Table 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

INDUSTRY	Num- ber of estab- lish- ments	Sala- ried officers and em- ploy- ees Wage (aver- age for the year)		Salaries	Wages	Cost of materials and con- tainers for products o	Cost of fuel and purchased electric energy	Value of products a	Value added by manufac- ture ^b
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SAN ANTONIO

[The totals for all industries do not include data for a few establishments located outside the city (see footnote 6), and therefore are slightly smaller than the sums of the items for the individual industries]

390	1, 643	8, 692	6, 608	18, 807	\$3, 546, 733	\$8, 271, 292	\$29, 811, 798	\$757, 951	\$53, 372, 775	\$22, 803, 026
9 69 9	34 86 50	144 565 521	1, 010 209	221 712 51	93, 742 188, 206 95, 414	186, 005 633, 833 330, 158	298, 762 1, 726, 864 560, 536	17, 654 73, 235 6, 480	914, 679 3, 703, 521 1, 446, 036	598, 263 1, 903, 422 879, 020
11 11	22 43 12 25 36 5 7 20	312 40 16 141 247 48 23 201	70 14 75	76 178 370 199 208 67 406 305	48, 090 128, 922 26, 976 57, 316 105, 015 10, 940 12, 925 59, 500	150, 075 43, 342 21, 312 185, 250 144, 760 30, 633 24, 642 115, 580	455, 574 1, 564, 641 3, 678 127, 584 630, 853 93, 855 377, 570 780, 775	4, 956 8, 819 18, 136 3, 700 10, 129 5, 560 8, 690 22, 116	830, 298 2, 125, 678 182, 476 500, 060 1, 184, 596 181, 287 530, 771 1, 464, 835	369, 768 552, 218 160, 662 368, 776 543, 614 81, 872 153, 511 661, 944
6 16 7 6 9 4 10 3	28 9 13 74 24 23	596 45 29 143 45 45 272 114 1, 189	1, 625 50 430 960 6	1, 463 112 281 3, 913 147 122 712 871 47 8	349, 817 9, 276 10, 625 68, 078 22, 219 20, 440 148, 303 53, 555 37, 991 8, 793	811, 907 55, 615 41, 851 154, 064 51, 114 39, 125 283, 117 93, 327 233, 530 19, 610	777, 039 50, 916 202, 802 28, 144 54, 043 122, 930 4, 660, 836 2, 941, 347 716, 958 70, 015	36, 223 1, 725 10, 523 187, 530 4, 523 1, 909 50, 457 48, 403 3, 401	2, 292, 455 176, 413 458, 408 1, 024, 960 236, 249 223, 526 5, 592, 070 3, 236, 526 1, 593, 716 137, 867	1, 479, 103 123, 772 245, 083 809, 286 176, 683 98, 687 880, 777 246, 776 873, 357 07, 414
11 32 16	50 62 432 8 10	407 295 321 33 40	296	1, 142 356 863 158 23 6 113	142, 320 125, 843 706, 568 10, 191 20, 200 1, 003, 088	480, 805 349, 559 624, 307 23, 724 41, 444 3, 138, 414	693, 671 424, 703 1, 096, 898 325, 869 32, 121 11, 052, 466	15, 093 14, 652 25, 101 4, 839 1, 307 180, 790	1, 508, 522 1, 483, 156 3, 532, 554 445, 946 126, 248 18, 304, 194	889, 758 1, 043, 711 2, 410, 555 115, 238 92, 820 7, 070, 938
	9 69 9 7 8 4 4 111 111 12 6 6 12 6 6 16 6 7 9 4 4 6 10 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 3 3 16 6 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 34 69 86 9 50 7 22 8 43 4 12 11 26 11 36 8 7 12 20 8 12 135 7 12 20 8 16 6 16 28 16 28 17 4 18 24 19 24 10 23 10 23 11 50 10 23 10 23 11 50 10 23 10 24 11 50 10 23 11 50 10 23 10 24 11 50 10 24 10	9 34 144 69 86 565 9 50 521 - 7 22 312 - 8 43 40 - 11 25 141 - 11 36 247 - 3 5 48 - 6 7 23 - 12 20 201 - 12 135 506 - 7 23 - 12 20 201 - 16 28 143 - 7 9 45 - 6 7 29 - 16 28 143 - 7 9 45 - 10 23 1,180 - 11 50 407 - 272 - 4 24 114 - 10 23 1,180 - 11 50 407 - 272 - 3 5 506 - 12 135 506 - 13 45 - 16 28 143 - 17 9 45 - 18 272 - 19 141 - 10 23 1,180 - 11 50 407 - 272 - 11 50 407 - 272 - 3 5 31 - 3 5 31 - 4 5 6 13 45 - 9 74 272 - 10 23 1,180 - 11 50 407 - 272 - 3 5 31 - 3 5 31 - 4 5 32 - 6 7 29 - 6 7 29 - 7 9 45 - 9 74 - 9 7	9 34 144 1,010 09 86 565 9 50 521 - 7 22 312 - 8 43 40 - 4 12 16 70 11 36 247 - 11 36 247 - 12 20 201 - 5 7 45 - 6 6 6 20 - 16 28 143 7,625 - 6 6 6 6 20 - 16 28 143 7,625 - 7 9 45 - 6 13 45 - 9 74 272 430 - 10 23 1,180 6 - 3 2 62 205 - 16 432 321 - 11 50 407 296 - 3 8 33 - 4 8 33 - 4 8 33 - 4 8 33 - 4 8 33 - 4 8 33 - 4 8 33 - 4 8 33 - 4 8 33	9 34 144 1,010 221 - 69 86 565 209 712 - 7 22 312 76 - 8 43 40 178 - 11 25 141 12 - 6 7 23 75 406 - 12 135 596 1,463 - 16 28 143 1,625 3,913 - 7 9 45 60 29 - 16 28 143 1,625 3,913 - 7 9 45 60 3,189 6 871 - 6 13 45 10 23 1,189 6 47 - 11 50 407 296 1,142 - 32 62 205 1 356 - 11 50 407 296 1,142 - 32 62 205 1 368 - 11 50 407 296 1,142 - 32 62 205 1 368 - 3 8 33 356 - 6 3 3 8 33 356 - 6 3 3 8 33 356 - 6 3 3 8 33 568 - 6 3 8 33 568 - 7 4 56 368 - 7 9 45 50 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 50 40 122 - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 34 144 1,010 221 93,742 69 86 565 209 712 188,206 9 50 521	9 34 144 1,010 221 93,742 186,005 -69 86 565 209 712 188,206 633,833 9 50 521 51 95,414 330,158 -7 22 312 76 48,000 159,075 -8 43 40 178 128,922 43,342 -11 25 141 199 57,316 185,250 -11 36 247 14 208 105,015 144,700 -3 5 5 48 67 10,940 30,633 -6 7 23 75 406 12,925 24,642 -12 20 201 305 59,500 115,580 -12 135 596 1,44,700 305 59,500 115,580 -12 136 28 143 1,625 3,913 68,078 154,064 -7 9 74 272 430 712 12 20,440 39,125 -10 23 1,189 6 47 37,991 233,530 -10 23 1,189 6 47 37,991 233,535 -10 23 1,189 6 47 37,991 233,535 -11 50 407 296 1,142 142,320 480,805 -12 32 62 205 366 125,843 349,559 -13 43 33	9 34 144 1,010 221 93,742 186,005 298,762 9 50 521 51 95,414 330,158 500,536 77 22 312 76 48,000 150,075 445,574 4 12 16 70 370 26,076 21,312 1,504,641 11 25 141 11 36 247 14 208 106,015 144,700 630,853 3 5 48 67 10,940 30,633 93,853 37,757 12 20 201 305 50,600 115,580 780,775 12 20 201 305 50,600 115,580 780,775 12 20 201 305 50,600 115,580 780,775 16 28 143 1,625 3,013 68,078 154,064 28,144 7 7 9 45 50 127,25 24,642 31,25 20,26 20 12 20 12 20 20 12 20 20 12 20 20 20 20 20 20 20 20 20 20 20 20 20	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	9 34 144 1,010 221 98,742 188,005 298,702 17,654 914,679 188,666 83,833 1,720,864 73,235 3,703,521 9 50 521

[•] See General Explanations—Duplication in Cost of Materials and Value of Products.
• Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

⁶ The figures for each of the 6 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1921 and subsequent years was \$5,000. See General Explanations—Establishments Covered—Size]

							· · · · · · · · · · · · · · · · · · ·				
	Num-	Wage		OWER (RA OF POWE				HALS, CONTAINED AND PURCHASI			
YEAR OR PERIOD	ber of estab- lish- ments	earners (average for the year) 1	Total	Prime movers	Electric motors driven by pur- chased energy	Wages	Total ²	Materials and containers	Fuel and purchased energy	Value of products ¹	Value added by manu- facture ?
1929. 1927. 1925. 1923. 1921.	651 556 517 585 645	15, 601 13, 585 15, 077 14, 945 13, 310	123, 737 112, 233 124, 735 \$ 78, 733 (7)	55, 311 50, 316 67, 022 (⁶)	68, 426 61, 917 57, 713 (8) (7)	\$19, 608, 684 16, 688, 574 18, 109, 536 18, 344, 336 18, 392, 185	\$157, 902, 021 120, 567, 348 127, 543, 009 114, 182, 714 74, 872, 522	\$150, 715, 551 113, 587, 697 (4) (4) (4)	\$7, 186, 470 6, 979, 651 (4) (4) (4)	\$214, 628, 855 163, 118, 376 177, 224, 538 161, 606, 595 111, 065, 200	\$56, 726, 834 42, 551, 028 49, 681, 439 47, 423, 881 36, 182, 678
1919 1914 1909 1909 1904 1899	1, 160 1, 109 749 606 575	18, 868 13, 894 11, 785 8, 052 5, 413	92, 797 59, 536 42, 899 19, 397 12, 659	51, 522 37, 984 32, 307 16, 456 11, 071	41, 275 21, 552 10, 592 2, 941 1, 588	21, 454, 097 10, 852, 332 8, 399, 034 5, 157, 400 2, 762, 522	110, 154, 340 62, 233, 180 41, 205, 661 24, 939, 827 11, 440, 250	103, 106, 390 57, 488, 374 37, 385, 702 22, 808, 925	7, 047, 950 4, 744, 800 3, 870, 869 2, 130, 902	156, 933, 071 87, 112, 360 61, 989, 277 38, 920, 464 17, 981, 648	46, 778, 722 24, 879, 180 20, 723, 616 13, 986, 637 6, 541, 398
er en						PER CENT OF	INCREASE OR D	ecrease (—)	3		
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921	17. 1 7. 5 -11. 6 -9. 3 -44. 4	14, 8 -9, 9 0, 9 12, 3 -29, 5	10. 3 -10. 0 58. 4	0.9 -24.9	10. 5 7. 3	18.0 -8.3 -0.8 -0.3 -14.3	31. 0 -5. 5 11. 7 52. 5 -32. 0	32. 7		31. 0 -8. 0 9. 7 45. 5 -20. 2	33, 3 14, 4 4, 8 31, 1 22, 7
1919-1929 1909-1919 1899-1909	-43. 9 54. 9 30. 3	-17.3 60.1 117.7	33, 3 116, 3 238, 9	7. 4 59. 5 191. 8	65, 8 289, 7 567, 0	-8.2 155.4 204.1	43.3 166.9 260.7	46. 2 175. 8	2.0 81.7	36. 8 153. 2 244. 7	21, 3 125, 7 216, 8

¹ Not including salarled employees.
2 The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.
5 Value of products less cost of materials, containers for products, fuel, and purchased electric energy.
6 General Explanations—Profits and Production Costs.
4 Not reported separately.
5 Not tabulated separately.
7 Not called for on schedule.
8 No comparable data.

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Popula-	Num- ber of estab-	Wage earners (aver-	Horse-	Wages	COST OF MAT PRODUCTS, ELECTRIC	PERIALS, CONT. FUEL, AND ENERGY	AINERS FOR PURCHASED	Value of	Value added by
COUNTY OR OTT	tion, 1930	lish- ments	age for the year) 1	power 2	Wagos	Total	Materials and con- tainers	Fuel and purchased energy	products	manufac- ture
The State	507, 847	651	15, 601	123, 737	\$19, 698, 684	\$157, 902, 021	\$150, 715, 551	\$7, 186, 470	\$214, 628, 855	\$56, 726, 834
Counties 3										
Beaver. Box Elder Cache. Carbon Davis.	5, 136 17, 810 27, 424 17, 798 14, 021	6 20 37 13 14	75 323 634 35 474	215 5, 010 4, 837 214 3, 834	137, 472 326, 595 711, 946 49, 925 501, 988	342, 542 1, 737, 560 5, 378, 924 221, 478 4, 542, 774	325, 761 1, 623, 681 5, 254, 727 161, 611 4, 449, 139	16, 781 113, 879 124, 197 59, 867 93, 635	529, 608 2, 853, 384 8, 066, 760 382, 529 6, 400, 170	187, 066 1, 115, 824 2, 687, 836 161, 051 1, 857, 306
Duchesne	8, 263 8, 605 9, 945 2, 536 194, 102	5 7 10 5 290	13 36 79 153 8, 135	220 384 211 3, 930 59, 517	12, 299 46, 717 140, 647 196, 621 10, 599, 132	360, 867 112, 433 362, 292 482, 030 98, 603, 464	358, 042 105, 550 344, 153 305, 854 96, 351, 999	2, 825 6, 883 18, 139 176, 176 2, 251, 465	403, 043 247, 617 545, 321 1, 182, 579 130, 661, 203	42, 176 135, 184 183, 029 700, 549 32, 057, 739
Sanpete- Sevier. Summit Uintah	16, 022 11, 199 9, 527 9, 035	13 13 8 7	139 52 66 16	1, 319 540 79 119	132, 991 73, 347 63, 601 20, 461	821, 393 336, 784 202, 486 158, 687	788, 871 821, 794 199, 079 154, 068	32, 522 14, 990 3, 407 4, 619	1, 472, 385 526, 442 356, 001 206, 376	650, 992- 189, 658 153, 515 47, 689
Utah Wasatch Weber All other counties 5	49, 021 5, 636 52, 172 49, 595	74 0 96 27	1, 460 94 2, 972 845	15, 495 603 15, 300 11, 901	1, 684, 695 134, 292 3, 457, 489 1, 408, 466	8, 742, 273 231, 564 17, 363, 482 17, 900, 988	5, 696, 998 222, 743 16, 938, 492 17, 112, 989	3, 045, 275 8, 821 424, 990 787, 909	15, 242, 705 480, 020 25, 691, 120 19, 431, 502	6, 500, 522 198, 456 8, 327, 638 1, 530, 514
Cities having 10,000 inhabitants or more										
Ogden Provo	40, 272 14, 766 140, 267	. 84 27 261	2,342 514 5,655	10, 965 2, 524 19, 627	2, 892, 006 607, 997 7, 311, 140	12, 367, 637 1, 203, 440 21, 735, 767	12, 047, 800 1, 149, 663 20, 987, 482	319, 828 53, 777 748, 285	19, 011, 445 2, 362, 025 42, 197, 235	6, 643, 808 1, 158, 585 20, 461, 408

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	Α	LL CLASSE	8		TORS AND) FIRM	PRINCIPAL SALARIED OFFICERS OF CORPORA-			OTHER SALARIED OFFICERS			WAGE EARNERS (AVERAGE FOR THE YEAR)		
CENEVS IEAN	Total	Male	Female	Total	Male	Fe- male	Total	Male	Fe- male	Total	Male	Fe- male	Total	Male	Fe- male
1029 1 1919 1, 4 1014 4 1909	18, 833 23, 107 17, 126 14, 133	15, 746 19, 881 15, 143 12, 680	3, 087 3, 226 1, 983 1, 453	323 1,089 900 688	308 1,030 968 673	15 59 31 15	² 335 266 192 135	2 319 259 184 182	² 16 7 8 3	2 2, 574 2, 884 2, 041 1, 525	² 2, 053 2, 295 1, 832 1, 313	² 521 589 209 212	15, 601 18, 868 13, 894 11, 785	3 13, 066 16, 297 12, 159 10, 562	3 2, 585 2, 571 1, 735 1, 223

1 No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
2 Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 78; male, 72; female, 1. Other salaried officers and employees—total, 200; male, 148; female, 61. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
3 Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See GENERAL EXPLANATIONS—Persons Engaged.
4 Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with

the census of manufactures.

TABLE 4.-WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average number			NUMBER	employe	D ON 15TH	DAY OF MO	NTH OR N	EAREST RE	PRESENTAT	IVE DAY			Percent mini-
CENSUS YEAR	employed during year	1	February	March	April	Мау	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mum is of maxi- mum
1929 ¹	15, 601 18, 868 13, 894 11, 785	12, 809 18, 819 13, 035 11, 412	12, 671 17, 028 12, 382 10, 449	13, 210 16, 280 12, 578 10, 594	13, 563 16, 196 13, 101 10, 830	13, 890 16, 286 13, 386 10, 749	14, 805 17, 400 14, 262 11, 868	17, 768 19, 152 15, 401 12, 436	18, 280 19, 600 14, 993 12, 234	19, 706 20, 412 15, 794 13, 277	19, 341 22, 592 15, 525 13, 070	16, 486 21, 740 13, 334 12, 445	14, 683 20, 911 12, 937 12, 053	64. 3 71. 7 78. 4 78. 7

¹ The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

¹ Not including salaried employees.

² Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

³ Statistics are presented for each county in which 10 wage carners or more were employed and for which its possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group "All other counties". Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.

⁴ Because of the amount of manufacturing industry in Salt Lake County and in Salt Lake City, it had been planned to publish statistics by industries for both the county and the eity. It is found, however, that no figures can be given for the most important industries without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage carners employed in all industries. Under these conditions the publication of statistics for which is exparate figures could be given, either for the county or for the city, would be misleading, and therefore no such statistics are included in this report. The leading industry in Salt Lake County was "Smelting and refining, copper"; the most important industries in Sait Lake City were "Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage carners, and "Petroleum refining," as measured by value of products.

⁵ Emery, Garfield, Grand, Iron, Piute, Rich, San Juan, Tooele, and Washington Counties. (See footnote 3.) No manufacturing was reported from Daggett, Kane, and Wayne Counties.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of estab- lish- ments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of estab- lish- ments	Wage earners (average for the year)
All classes	051 36	80		26 255 26	854 6, 754 547 901
Under 40	13 3 6 98	15 177 14 1,605	Over 54 but under 60	61 73	3, 282 1, 372

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1900 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

CLASS		ER OF I			ARNERS (A		CLASS		ER OF I		WAGE EA	RNERS (A	
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	651	1, 160	749	15, 601	18, 868	11, 785	51 to 100 101 to 250	41 27	36 28	13 15	2, 828 3, 893	2, 670 4, 172	885 2,314 656
No waga earners	32 338 134 71	196 654 166 68	74 443 139 58	902 1, 472 2, 345	1, 324 1, 803 2, 201	1,007 1,471 1,940	251 to 500	4 4	5 6 1	2 4 1	1, 453 2, 708	1, 468 3, 992 1, 238	2, 408 1, 104

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1910 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS		ER OF E			EARNERS OR THE		YA	LUE OF PRODUC	тв	VALUE ADI	VALUE ADDED BY MANUFACTURE I			
VARIOR OF TAXON COLL	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909		
All establishments	651	1, 160	749	15, 601	18, 868	11, 785	\$214, 628, 855	\$156, 933, 071	. \$61, 989, 277	\$58, 726, 834	\$46, 778, 722	\$20, 723, 616		
Less than \$5,000. \$5,000 to \$19,999. \$20,000 to \$69,999. \$20,000 to \$49,999. \$50,000 to \$99,999.	239 224	367 365 263 (3)	282 220 176 (3) (3)	(2) 500 1, 759 849 910	231 872 2, 410 (3)	399 870 2, 244 (3) (3)	(2) 2, 720, 606 10, 607, 713 4, 724, 298 5, 883, 415	905, 130 3, 891, 712 11, 893, 055 (3) (8)	704, 998 2, 270, 058 7, 710, 935 (3) (8)	(2) 1, 525, 780 5, 338, 997 2, 554, 076 2, 784, 921	005, 847 2, 104, 886 5, 395, 369 (3)	479, 371 1, 219, 958 3, 251, 752 (a)		
\$100,000 to \$499,909 \$100,000 to \$249,999 \$250,000 to \$499,999	132 90 42	117 (3) (8)	64	4, 852 2, 358 2, 494	4, 751 (3) (3)	5, 081	28, 659, 649 14, 096, 330 14, 563, 319	24, 787, 801 (3) (3)	18, 197, 110	12, 904, 900 0, 027, 181 6, 877, 719	10, 768, 136 (3) (3)	8, 197, 586		
\$500,000 to \$999,999	30	20]	2, 340	1, 827	J	21, 205, 272	13, 979, 920		9, 439, 833	5, 401, 822	1		
\$1,000,000 and over \$1,000,000 to \$2,499,999 \$2,500,000 to \$4,999,999 \$5,000,000 and over	26 14 7 5	28 (3) (3) (3)	7 (3) (3) (3)	6, 150 2, 510 965 2, 675	8, 777 (3) (2) (8)	3, 191 (3) (3) (3) (3)	151, 435, 525 20, 232, 063 22, 664, 328 108, 539, 134	101, 475, 453 (3) (3) (8)	33, 100, 176 (3) (3) (3) (8)	27, 517, 324 8, 588, 152 5, 807, 220 13, 121, 952	22, 412, 662 (2) (3) (3)	7, 574, 949 (3) (3) (3)		

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See Gental Explanations—Profits and Production Costs.

3 No data.

4 No tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBE			NERS (AV- THE YEAR)	VALUE OF	PRODUCTS	VALUE ADDED BY MANU- FACTURE		
TIPE OF OWNERABLE ON CONTROL, AND OF CLEMATION	1929	1919	1929	1919	1929	1919	1929	1919	
Total	651	1, 160	15, 601	18, 868	\$214, 628, 855	\$156, 933, 071	\$50, 720, 834	\$46, 778, 722	
TYPE OF OWNERSHIP OR CONTROL Corporate ownership or control	379 272	453 707	14, 433 1, 168	17, 096 1, 772	204, 828, 480 9, 800, 375	146, 593, 052 10, 340, 019	62, 899, 732 3, 827, 102	42, 021, 437 4, 757, 285	
TYPE OF OPERATION Central-administrative-office (plural-unit) Independent (single-unit)	145 506	(1)	9, 089 6, 512	(1)	163, 282, 485 51, 346, 370	(1) (1)	34, 097, 940 22, 628, 894	(3)	

¹ Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR SALT LAKE COUNTY, 1929

	•		PRIM	E MOVE	RS AND E	LECTRIC	MOTORS	DRIVE	N BY PU	RCHASI	ED ENER	GY		ELECTRIC MOTORS		
$\frac{1}{N} \frac{1}{N} = \frac{1}{N} \frac{1}{N} \frac{1}{N}$	to see safe 1	Prime movers Electric mot driven by pr								a motore	DRIV ENI	fors En by Ergy Ated in				
		Aggregate horse- power	Total horse- power	Steam	engines	Steam	turbines	comb	ernal- oustion gines	and	r wheels water bines	driven		ESTA MEN	BLISH- TS RE- TING	
			of prime movers	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power		Horse- power	Num- ber	Horse- power	Num+ ber	Horse- power	
The State: 1929. 1927. 1925. 1919 1 1914 1 Salt Lake County 4.		123, 737 112, 233 124, 735 92, 797 59, 536 59, 517	55, 311 50, 316 67, 022 51, 522 37, 984 26, 410	205 169 243 344 2 366	34, 409 28, 608 39, 154 37, 556 2 34, 020 15, 622	31 12 11 24 (³)	17, 730 18, 396 25, 558 9, 440 (³)	31 12 20 50 50	718 343 433 968 470	36 49 40 69 98	2, 454 2, 969 1, 877 3, 558 3, 494 882	6, 700 5, 324 5, 498 3, 738 1, 821 3, 637	68, 426 61, 917 57, 713 41, 275 21, 552 33, 107	847 852 778	22, 781 18, 710 16, 281 17, 446 12, 466	

Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

1 Reported as "Steam engines and turbines."

Not reported separately. See footnote 2.

1 This is the only county in Utah in which the aggregate horsepower exceeded 25,000.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

				1 1 1 1				27.00	198792
COUNTY		DRIVEN	ELECTRIC BY PUR-	Electric motors—	COUNTY	PRIME MOY MOTORS CHASED 1	DRIVEN		Electric
	Aggregate	Prime movers	Electric motors	plant energy i	reading the first terminal and the	Aggregate	Prime movers	Electric motors	plant energy 1
The State Beaver Box Elder Cache Carbon Davis	215 5,010 4,837 214 3,834	55, 311 12 2, 636 3, 607 52 1, 785	203 2,374 1,230 162 2,049	22, 781 1, 902 20	Morgan	3, 930 59, 517 1, 319 549 79 119	50 26, 410 841 290 40 50	3, 880 33, 107 478 259 39 69	12, 792 735
Duchesne. Juab Millard	220 384 211	80 290 112	140 94 99	98	Utah	15, 495 603 15, 300 11, 901	11, 018 61 3, 173 4, 804	4, 477 542 12, 127 7, 097	2, 849 964 3, 423

¹ Horsepower of electric motors driven by energy generated in establishments reporting.

Table 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1928, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

KIND	199	39	1927 1	1923 1	1919 1	1914 1	1909 1
EINU - CONTRACTOR CONT	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel: Coal, total ² (tons, 2,000 lbs.)	1, 013, 737	\$3, 031, 901	946, 274	980, 800	1, 032, 190	1, 152, 520	899, 318
Anthracite (tons, 2,240 lbs.) Bituminous (tons, 2,000 lbs.)	8, 453 1, 004, 270	29, 673 3, 002, 228	(3) (3)	1, 350 979, 288	1, 224 1, 030, 819	1, 585 1, 150, 745	492 898, 767
Coke (tons, 2,000 lbs.) Fuel oils, including crude oils and gas oils (gallons). Gasoline and kerosene (gallons). Gas, natural (M cu. ft.).	303, 089 21, 865, 142 29, 901 51, 876	2, 527, 457 517, 394 6, 017 14, 798	()	(4) (4) (5) (6) (6) (7)	169, 969 10, 832, 556 64, 974	204, 867 16, 436, 994	167, 097 282, 282
Gas, manufactured (M cu. ft.) Other fuels	2, 362, 483	176, 467 54, 137	(3)	(4)	} 24,675 (4)	20, 376	9, 543
Electric energy purchased (kilowatt-hours)	102, 696, 546	1, 327, 538	(6)	(9)	(4)		(4)
Total cost of fuel and purchased energy	61-1 	⁷ 7, 655, 709	Cost \$6, 979, 651	Cost (8)	Cost \$7, 047, 950	Cost \$4, 744, 806	Cost \$3, 879, 869

godina Cost

¹ No data on cost of fuel, by kinds, were collected for years prior to 1929.
2 Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
3 Not tabulated separately.
4 No data.
5 For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
6 Data incomplete.
7 The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
8 Not reported separately.

UTAH

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

	Num- ber of	Sala- ried officers	Wage earners	(RATED	POWER CAPAC- POWER MENT			Cost of ma-	Cost of fuel		Value
INDUSTRY	estab- lish- ments	and em-	(a ver- age for the year)	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	terials and containers for products ¹	and pur- chased elec- tric energy	Value of products 1	added by manufac- ture?
All industries, total	651	3 2,909	15, 601	55, 311	68, 426	\$ \$6,407, 917	\$19, 698, 684	\$150, 715, 551	\$7, 186, 470	\$214, 628, 855	\$56, 726, 834
Awnings, tents, sails, and canvas covers	12	5 19 2 46	15 66 10	202	11 231 24	7, 480 43, 587	16, 442 96, 137 13, 893	78, 472 204, 387 16, 073	491 17, 739 550	129, 224 549, 756 53, 843	50, 261 327, 630 37, 220
Bread and other bakery products. Butter	50 27	46 71	665 195	6 421	857 1, 169	130, 497 135, 209	696, 091 250, 773	2, 393, 282 4, 557, 137	114, 863 58, 798	5, 013, 072 5, 567, 581	2, 504, 927 951, 646
nickles, jellies, preserves, and sauces	. 38	132	1,850	560	3, 688	261, 686	1, 152, 761	5, 194, 922	127, 881	9, 160, 379	3, 837, 576
Car and general construction and repairs, steam- railroad repair shops.	11 15	160 6	1,980 30	1,090 56	6, 413 114	396, 144 6, 115	3, 390, 451 35, 281	2, 227, 180 432, 664	194, 180 8, 235	6, 207, 955 530, 837	3, 786, 595 89, 938
Clay products (other than pottery) and nonclay refractories. Clothing, work (including sheep-lined and blanket-	. 0	47	371	355	2, 149	99, 403	347, 686	130, 217	147, 963	1, 210, 646	932, 466
lined work coats but not including shirts), men's Coffee and spice, roasting and grinding	4 5	22 14 29 1	292 11 29 10	720 79	63 69 461 12	53, 275 23, 682 59, 751	188, 256 13, 103 42, 310 11, 718	509, 866 263, 329 103, 034 23, 307	4, 668 2, 560 32, 322 1, 369	903, 796 343, 749 353, 497 60, 386	389, 262 77, 860 218, 141 35, 710
Concrete products. Condensed and evaporated milk Confectionery Convert in and cheet iven week including col	17	21 91	188 629	44 237	389 829	(1) 45, 423 291, 967	183, 059 564, 130	23, 307 2, 719, 007 1, 405, 337	33, 556 47, 598	60, 386 3, 690, 448 3, 190, 682	937, 885 1, 737, 747
Confectionery Copper, tin, and sheet-iron work, including gal- yanized-iron work, not elsewhere classified Flour and other grain-mill products Food preparations, not olsewhere classified Foundry and machine-shop products, not elsewhere classified	11 55 5	24 135 1	83 431 17	1,097 2	546 5, 315 7	45, 977 213, 606 (4)	118, 105 563, 528 20, 310	358, 912 8, 127, 111 46, 543	6, 124 131, 901 3, 242	691, 320 9, 901, 834 86, 311	326, 284 1, 642, 822 36, 526
classified Lee cream Lee, manufactured Jewelry. Knit goods	17 18 10 3	73 33 17 3	389 125 111 15	10 1, 295	1, 550 756 2, 245 8	165, 302 49, 153 39, 471 3, 300	538, 018 144, 747 170, 950 20, 525	960, 762 673, 916 16, 402 18, 436	78, 804 35, 306 75, 534 398	2, 204, 239 1, 334, 864 596, 408 62, 680	1, 254, 673 625, 642 504, 472 43, 846
Knit goodsLimeLumber and timber products, not elsewhere classi-	10	74 11	400 81	230	341 268	120, 781 10, 420	300, 697 82, 588	604, 965 30, 721	16, 224 22, 697	1, 185, 880 215, 343	564, 691 161, 925
fied. Marble, granite, slate, and other stone products. Mattresses and bed springs, not elsewhere classified. Ment packing, wholesale. Millinery. Photo-engraving, not done in printing establishments Planing-mill products (including general millwork),	8 6 8 9	3 6 12 77 18 2	69 25 69 272 102 20	260 27 90 775	280 194 2, 014 29 17	7, 751 10, 200 28, 541 173, 661 29, 678 (4)	63, 185 34, 519 65, 084 389, 081 71, 353 40, 246	12, 415 49, 566 161, 990 7, 475, 005 136, 604 33, 720	4, 435 5, 094 50, 526 1, 660 2, 072	130, 105 138, 576 304, 494 8, 935, 640 346, 220 134, 496	117, 690 84, 575 137, 410 1, 404, 109 207, 950 98, 704
not made in planing mills connected with sawmills. Printing and publishing, book and job Printing and publishing, nowspaper and periodical. Saddlery and harness	50 50 50 50	25 146 517 3 271	175 315 520 25 1,468	116 	1, 585 413 760 11 15, 576	62, 779 271, 400 927, 941 4, 260 645, 255	280, 360 438, 725 755, 637 39, 136 2, 439, 840	413, 097 436, 266 960, 377 42, 426 31, 369, 360	18, 340 26, 184 49, 164 1, 725 1, 595, 815	951, 973 1, 713, 044 4, 256, 394 99, 349 38, 820, 392	520, 536 1, 250, 594 3, 246, 853 55, 198 5, 855, 217
Structural and ornamental from and steel work, not made in plants operated in connection with rolling	1 7	25 120	97 691	12, 167	510 1,804	97, 921 235, 197	141, 383 920, 383	250,759 5,360,047	13, 684 249, 688	630, 874 9, 114, 204	366, 431 3, 504, 469
Sugar, beet Wall plaster, wall board, insulating board, and floor composition Other industries	3 108	636	47 3, 704	495 28, 680	94 17,615	25, 922 1, 667, 182	65, 067 4, 993, 126	32, 659 72, 885, 278	11, 116 3, 987, 958	189, 573 95, 528, 791	145, 798 18, 655, 555

¹ The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General explanations—Duplication in Cost of Materials and Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General explanations—Profits and Production Costs.

3 Not including data for 232 employees of central administrative offices, with salaries aggregating \$708,416. See General Explanations—Persons Engaged.

4 Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

VERMONT

TABLE 1 .- SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919; but no automobile repair shops were reported in Vermont for 1914, the only other year for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1921 and subsequent years was \$5,000. See General Explanations—Establishments Covered—Size]

Section to the section of the sectio	Num-	Wage	HORSEPOV	VER (RATE OWER EQU			COST OF MATERIAL PRODUCTS, ELECTRIC EN	FUEL, AND	AINERS FOR PURCHASED		
YEAR OR PERIOD	ber of estab- lish- ments	earners (average for the year) 1	Total	Prime movers	Electric motors driven by pur- chased energy	Wages	Total ²	Materials and con- tainers	Fuel and purchased energy	Value of products 2	Value added by manufac- ture *
1020 1027 1025 1023 1021	927 880 951 1, 021 1, 101	27, 421 26, 241 27, 563 30, 783 25, 767	163, 940 172, 762 178, 806 177, 212	80, 508 94, 174 109, 038 113, 697 (6)	83, 432 78, 588 69, 773 63, 515 (5)	\$33, 809, 987 32, 305, 433 32, 326, 006 34, 695, 484 28, 088, 025	\$06, 262, 873 69, 957, 432 74, 387, 398 80, 775, 801 63, 683, 543	\$62, 871, 755 60, 491, 640 (4) (4) (4)	\$3, 391, 118 3, 465, 792 (4) (4) (4)	\$143, 522, 547 134, 029, 978 138, 269, 861 149, 951, 623 113, 904, 333	\$77, 250, 674 64, 072, 546 63, 882, 463 69, 175, 822 50, 215, 790
1919 1914 1909 1909 1899	1,790 1,772 1,958 1,699 1,938	33, 401 32, 704 33, 788 33, 106 28, 179	184, 327 171, 738 158, 806 139, 295 124, 440	123, 237 144, 261 145, 889 134, 745 122, 996	61, 090 27, 477 12, 117 4, 550 1, 444	34, 083, 935 18, 617, 075 17, 271, 702 15, 221, 059 11, 426, 548	95, 172, 581 42, 705, 720 34, 822, 728 32, 420, 852 26, 384, 812	91, 624, 436 40, 886, 894 38, 354, 541 31, 224, 807	3, 548, 145 1, 818, 826 1, 468, 187 1, 205, 045 (6)	168, 108, 072 76, 990, 074 68, 300, 824 63, 083, 611 51, 515, 228	72, 935, 491 34, 285, 254 33, 487, 090 30, 653, 759 25, 130, 416
					1	PER CENT OF IN	CREASE OR DEC	rease ()			
1027-1020 1925-1927 1923-1925 1921-1923 1919-1921	5.3 -7.5 -6.9 -7.3 -38.5	4. 5 -4. 8 -10. 5 19. 5 -28. 1	-5.1 -3.4 0.9	-14.5 -13.6 -4.1	6, 2 12, 6 9, 9	4.7 -0.1 -6.8 23.6 -17.7	-5.3 -6.0 -7.9 20.8 -33.1	-5.4	-2, 2	7. 1 -3. 1 -7. 8 31. 6 -32. 2	20. 6 0. 3 -7. 7 37. 8 -31. 2
1919-1929	-48. 2 -8. 6 1. 0	18.1 0.9 19.9	11.1 16.1 27.6	-34.7 -15.5 18.6	36. 6 372. 9 794. 5	-0.8 97.3 51.2	-30. 4 173. 3 32. 0	-31.4 174.7	-4.4 141.7	-14, 6 146, 1 32, 8	5, 9 117, 8 23, 3

1 Not including salaried employees.
1 The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.
4 Not reported separately.
5 Not called for on schedule.
5 No comparable data.

Table 2 —STIMMARY FOR COUNTIES AND CITIES: 1929

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

·	Popula-	Num- ber of	Waga earners	Horse-			ERIALS, CONTA FUEL, AND I NERGY		Value of	Value added
COUNTY OR CITY	tion, 1930	estab- lish- ments	(average for the year) ¹	power \$	Wages	Total	Materials and con- tainers	Fuel and purchased energy	products	by manu- facture
The State	350, 611	927	27,421	103, 940	\$33, 809, 987	\$66, 262, 873	\$62, 871, 755	\$3,391,118	\$143, 522, 547	\$77, 259, 674
Counties 3 Addison Bennington Caledonia Ohittenden Franklin Lamoille Orange Orleans Rutland Washington	10, 947 16, 694 23, 036 48, 453	34 47 81 87 52 35 40 58 123	538 3, 107 1, 721 3, 465 1, 369 460 397 1, 147 4, 504 3, 326	3, 818 8, 801 11, 338 16, 434 14, 458 3, 384 3, 083 6, 329 20, 318 24, 535	501, 731 3, 194, 032 2, 216, 660 3, 652, 356 1, 500, 448 407, 294 374, 080 1, 135, 216 5, 609, 858 5, 420, 000	1, 607, 452 6, 027, 679 4, 189, 622 10, 720, 738 12, 459, 580 935, 080 1, 030, 308 2, 200, 763 5, 105, 800 6, 247, 348	1, 550, 230 5, 810, 887 3, 965, 644 10, 275, 872 12, 210, 279 910, 047 987, 103 2, 112, 915 4, 637, 036 5, 688, 251	51, 218 216, 792 224, 578 444, 864 249, 801 25, 033 43, 115 87, 848 468, 824 559, 097	2, 791, 565 13, 247, 541 10, 129, 060 10, 814, 848 17, 077, 562 1, 963, 818 2, 070, 381 16, 011, 525 17, 454, 614	1, 184, 113 7, 219, 802 5, 939, 438 9, 094, 112 4, 617, 982 1, 028, 738 1, 040, 031 2, 499, 618 10, 905, 665 11, 207, 266
Washington Windham Windsor All other counties (Essex and Grand Isle) Cities having 10,000 inhabitants or more Barre Burlington Rutland	37, 418 11, 011	75 86 19 97 50 41	2, 110 4, 027 590 1, 827 1, 898 1, 501	13, 962 19, 616 9, 364 14, 555 8, 102 4, 822	2, 305, 299 6, 822, 920 710, 187 3, 449, 650 1, 892, 359 1, 994, 608	5, 415, 269 7, 581, 632 2, 741, 544 3, 033, 193 6, 189, 004 2, 466, 629	5, 074, 754 7, 128, 015 2, 515, 223 2, 678, 577 5, 935, 208 2, 260, 286	340, 515 453, 617 226, 321 354, 616 253, 796 206, 343	17, 454, 614 10, 347, 436 23, 629, 350 4, 284, 508 10, 423, 266 12, 077, 671 6, 550, 057	11, 207, 266 4, 032, 167 16, 047, 718 1, 542, 964 7, 390, 073 5, 888, 667 4, 083, 428

[!] Not including salaried employees.

! Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

! Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties"). Essex County, however, reported a larger number of wage earners and a larger value of products than some of the counties shown separately.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR		LL CLASSES	i	PROPRIETORS AND FILM MEMBERS			PRINCIPAL SALARIED OFFICERS OF COR- PORATIONS			CERS A	SALARIED ND EMPLO			RNERS (AV	
er estre perdikte settere. Gradisation bee leer i	Tótal	Male	Female	Total	Male	Fe- male	Total	Male	Fe- male	Total	Male	Fe- male	Total	Male	Female
1929 ¹	31, 189 38, 845 37, 217 38, 580	26, 371 32, 918 32, 591 33, 305	4, 818 5, 927 4, 626 5, 275	649 1,804 1,787 2,113	631 1,730 1,743 2,053	18 74 44 60	² 496 574 333 302	2 462 547 326 293	2 34 27 7 9	² 2, 623 2, 976 2, 393 2, 377	2 1, 851 2, 028 1, 798 1, 869	² 772 948 595 508	27, 421 33, 491 32, 704 33, 788	8 23, 427 28, 618 28, 724 29, 090	3 3, 994 4, 878 3, 980 4, 698

TABLE 4.-WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average	1 1 1	*****	NUMBER	EMPLOYED	ON 15TH	DAY OF M	ONTH OR N	EAREST R	EPRESENTA	TIVE DAY			Per cent
CENSUS YEAR	number em- ployed during year	January	February	March	A pril	May	June	July	August	Septem- ber	October	Novem-	Decem- ber	mini- mum is of maxi- mum
1929 1919 ¹ 1914 ¹ 1909	27, 421 83, 491 32, 704 33, 788	27, 337 31, 239 33, 288 33, 013	28, 001 51, 135 33, 273 33, 710	27, 937 31, 419 34, 155 34, 257	27, 533 31, 757 34, 194 34, 288	27, 656 32, 638 34, 125 34, 317	27, 886 33, 184 33, 254 34, 134	27, 131 33, 385 31, 792 32, 875	27, 279 34, 272 51, 213 33, 359	27, 716 34, 649 32, 208 34, 098	27, 502 35, 621 31, 615 34, 392	26, 962 36, 003 31, 571 34, 677	26, 115 36, 590 31, 760 32, 342	93. 3 85. 1 91. 3 93. 3

Data for the "Automobile repairing" industry are included in the statistics for 1919; but no automobile repair shops were reported in Vermont for 1914, the only other year for which this industry was canvassed in connection with the census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of estab- lish- ments		PREVAILING HOURS OF LABOR PER WEEK	Number of estab- lish- ments	Wage earners (average for the year)
All classes	927	27, 421	45 and over but under 48	34 92	1, 407
Not reported Under 40.	. 12	535 32	Over 48 but under 54 54 Over 54 but under 80	156 230	4, 572 10, 044 3, 714
40	72 4 91	1, 082 309 1, 847	Over 54 but under 60.	51 59	3, 217 662
THE MILE OF THE HILLON TO	1 3,1	1, 647			

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

All establishments 927 1,790 1,958 27,421 33,401 33,788 51 to 100 51 65 57 3,818 4, No wage earners 11 186 131 180 130 7 9 16 2,610 3, 15 57 1 100 1 1	CLASS	12 m. 12 m. 14 m.		BER OF ISHMEN			EARNERS OR THE Y		CLASS		ER OF I			OR THE Y	
No wage earners. 11 186 181 201 100 1 200 2 246 50 50 7 9 16 2,610 3,	er virtual de la compania de la comp La compania de la co		1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
No wage earners	A STATE OF THE STA		927			27, 421	33, 491	33, 788	101 to 250			39	6,786	4, 560 8, 498	3, 955 5, 955
6 to 20. 206 363 414 3, 157 4, 997 4, 677 1,001 to 2,500 1 2 to 50. 363 414 3, 156 198 4, 316 4,848 6,388 2,501 and over	to 5			945 363	1,100 414	3, 157		2, 346 4, 677	501 to 1,000 1,001 to 2,500	7 6 1	9	l i	2, 610 }1 5, 426	$\left\{ egin{array}{c} 3,253 \ 6,246 \ \end{array} ight.$	5, 897 794 } 3, 776

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¹ No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
² Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 40; male, 38; female, 2. Other salaried officers and employees—total, 20; male, 14; female 71. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See GENERAL EXPLANATIONS—Persons Engaged.
³ Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See GENERAL EXPLANATIONS—Persons Engaged.
¹ Data for the "Automobile repairing" industry are included in the statistics for 1919; but no automobile repair shops were reported in Vermont for 1914, the only other year for which this industry was canvassed in connection with the census of manufactures.

¹ Combined to avoid disclosing number of wage earners reported by individual establishments.

 ${f ver}$

TABLE 7. ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS		MBER BLISHN			EARNERS FOR THE		VAI	LUE OF PRODU	CTS	VALUE AD	DED BY MANI	JFACTURE J
er in de la companya	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	927	1, 790	1, 958	27, 421	33, 491	33, 788	\$143, 522, 547	\$168, 108, 072	\$68, 309, 824	\$77, 259, 674	\$72, 935, 491	\$33, 48 7, 096
Less than \$5,000 \$5,000 to \$19,999 \$20,000 to \$99,999 \$20,000 to \$49,999 \$50,000 to \$99,999	(2) 311 361 226 135	410 558 541 (3) (3)	690 644 493 (3) (3)	(2) 1, 137 4, 197 1, 808 2, 389	313 1, 926 6, 271 (3)	1, 100 3, 844 9, 491 (³)	(2) 3, 524, 522 17, 044, 116 7, 543, 078 9, 500, 438	993, 625 6, 132, 192 24, 818, 115 (3) (8)	1, 693, 585 6, 976, 450 20, 340, 258 (3) (3)	(2) 2, 241, 289 10, 266, 294 4, 307, 541 5, 958, 753	031, 734 3, 480, 519 11, 609, 388 (3) (3)	1, 080, 581 3, 729, 572 9, 653, 436 (3) (2)
\$100,000 to \$499,999. \$100,000 to \$249,099. \$250,000 to \$499,999.	197 138 59	207 (3) (3)	127	9, 066 4, 759 4, 307	8, 929 (³) (³)	14, 466	41, 985, 817 21, 421, 941 20, 563, 876	43, 889, 269 (³) (³)	32, 104, 250	23, 871, 704 12, 503, 099 11, 368, 605	18, 250, 989 (³) (³)	14, 813, 124
\$500,000 to \$999,999	35	47)	4, 164	5, 740	J	23, 116, 332	30, 860, 467	J	12, 322, 110	14, 092, 077	J
\$1,000,000 and over \$1,000,000 to \$2,499,999 \$2,500,000 to \$4,999,999 \$5,000,000 and over	23 14 8 1	27 (3) (8) (3)	(3) (3) (3)	8, 857 3, 455 {+ 5, 402	10, 312 (5) } (3) (3)	4, 887 (3) (8) (8)	57, 851, 760 22, 220, 828 } 35, 621, 932	61, 414, 404 (3) (8) (3)	7, 195, 281 (3) (3) (3)	28, 558, 277 9, 685, 427 18, 872, 850	24, 870, 784 (3) (3) (3) (3)	4, 201, 383 (3) (3) (3)

¹ Value of products less cost of materials, containors for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

1 No data. No corresponding figures were tabulated for 1925 and 1919.

3 Not tabulated separately.

4 Combined to avoid disclosing data for individual establishments.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION		BER OF SHMENTS	WAGE E (AVERAGI YE	FORTHE	VALUE OF	PRODUCTS	VALUE ADDI UFACI	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	927	1,790	27, 421	33, 491	\$143, 522, 547	\$168, 108, 072	\$77, 259, 674	\$72, 935, 491
TYPE OF OWNERSHIP OR CONTROL								
Corporate ownership or control. Other forms of ownership or control (individual, partnership, etc.).	425 502	469 1, 321	22, 428 4, 993	26, 243 7, 248	121, 598, 012 21, 924, 535	130, 015, 057 38, 093, 015	65, 037, 117 12, 222, 557	56, 883, 625 16, 051, 866
TYPE OF OPERATION				*				
Central-administrative-office (plural-unit)	158 769	(1) (1)	10,879 16,542	(1) (1)	57, 828, 678 85, 693, 869	(1)	29, 682, 112 47, 577, 562	(i) (i)

¹ Not tabulated.

Table 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR RUTLAND COUNTY, 1929

		P	RIME MO	VERS AND I	ELECTRIC	MOTORS	DRIVEN	BY PURC	HASED	ENERGY			ELECTR	C MOTORS
					Prim	e movers					Electri	c motors	DRIV EN: GENER	EN BY ERGY ATED IN
	Aggregate horse- power	horse-		engines	Steam	turbines		nal-com- n engines	and	wheels water pines	driven	by pur- energy		ISHMENTS ORTING
		norse- power of prime movers	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- Fower
The State: 1929	163, 940 172, 762 178, 806 184, 327 171, 738 29, 318	80, 508 94, 174 109, 033 123, 237 144, 261 15, 082	286 294 381 608 2 864	30, 124 32, 181 37, 925 46, 833 2 61, 560 3, 675	18 19 19 22 (³)	9, 028 8, 327 10, 288 4, 548 (³)	39 44 42 174 160	2, 447 1, 961 1, 667 2, 950 2, 301	241 252 321 652 846	38, 909 51, 705 59, 153 68, 897 S0, 400 11, 307	8, 662 7, 209 6, 010 4, 478 2, 090 1, 372	\$3, 432 78, 588 69, 773 61, 090 27, 477 14, 2%	819	40, 960 38, 353 32, 730 12, 298 19, 684 13, 920

Data for the "Automobile repairing" industry are included in the statistics for 1919; but no automobile repair shors were reported in Vermont for 1914, the only other year for which this industry was canvassed in connection with the census of manufactures.

Reported as "Steam engines and turbines."

Not reported separately. See footnote 2.

This is the only county in Vermont in which the aggregate horsepower exceeded 25,000.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 3 on that table]

COUNTY	PRIME MO MOTORS CHASED	DRIVEN	ELECTRIC BY PUR-	Electric motors—	COUNTY	PRIME MO MOTORS CHASED	DRIVEN	ELECTRIC BY PUR-	Electric mo- tors—
	Aggregate	Prime movers	Electric motors	plant energy 1		Aggregate	Prime movers	Electric motors	plant energy i
The State Addison Bennington Caledonia Chittenden Franklin Lamoille	3,318 8,801 11,338 16,434 14,458 3,384	80, 508 1, 655 6, 398 4, 187 8, 707 9, 709 2, 254	1,663 2,403 7,151 7,727 4,749 1,180	2, 898 163 4, 375 7, 872	Orange Orleans Rutland Washington Windham Windsor All other counties (Essex and Grand Isle).	3, 083 6, 329 20, 318 24, 535 13, 962 19, 616 9, 364	2, 209 3, 942 15, 082 4, 912 4, 396 7, 826 9, 231	874 2, 387 14, 236 19, 623 9, 566 11, 790 133	219 692 13, 930 3, 871 100 4, 370 2, 500

¹ Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

		19	29	1927 1	1923 1	1919 1	1914 1	1909 1
	KIND	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel: Coal, total 2 (to	ns, 2,000 lbs.)	270, 914	\$1, 438, 534	207, 552	301, 555	288, 739	259, 573	266, 920
Anthracite Bituminous	(tons, 2,240 lbs.)s (tons, 2,000 lbs.)	23, 885 244, 163	145, 752 1, 292, 782	(3) (3)	29, 478 268, 540	46, 627 236, 517	50, 146 203, 409	23, 831 240, 238
Gasoline and ke	00 lbs.) ding crude oils and gas oils (gallons) ⁵ f cu, ft.)	80, 898	132, 792 198, 564 14, 036	(4) (4) (4)	(4) (4)	13, 549 1, 008, 252 209, 622	6, 824 943, 068	5, 343 779, 436
Gas, manulaetu	ired (M cu, ft,)	32, 150	30, 491 89, 837	(4) (4)	(1) (1)	106, 306 ((¹)	7, 528 (4)	44, 395 (⁴)
Electric energy pur	chased (kilowatt-hours)	66, 228, 459	1, 487, 734	(4)	(4)	(1)	(4)	(4)
Total cost of fuel an	nd purchased energy		7 3, 391, 088	Cost \$3, 465, 792	Cost (8)	Cost \$3, 548, 145	Cost \$1, 818, 826	Cost \$1, 468, 187

¹ No data on cost of fuel, by kinds, were collected for years prior to 1929.
2 Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
3 Not tabulated separately.
3 No data.
4 No data.
4 No data.

No data.

For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.

Data incomplete.

The difference between this total and the corresponding one given in Tables 1, 2, and 12, is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.

Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

				,,							
	Num- ber of	Sala- ried offi-	Wage earn- ers	(RATEI	POWER CAPACTOWER MENT			Cost of materials and	Cost of fuel and		Value
INDUSTRY	estab- lish- ments	ers and em- ploy- ees	(average for the year)	Prime movers	Electric motors driven by pur- chased energy		Wages	containers for prod- ucts 1	purchased electric energy	Value of products 1	added by manufac- ture ?
All industries, total	927	33, 119	27, 421	80, 508	83, 432	\$ \$8, 136, 403	\$33, 809, 987	\$62, 871, 755	\$3, 391, 118	\$143, 522, 547	\$77, 259, 674
Beverages. Bread and other bakery products. Butter. Canning and preserving: Fruits and vegetables;	10 42 40	10 54 44	23 342 85	424	57 643 660	15, 195 114, 295 38, 158	27, 043 430, 158 95, 783	55, 594 1, 284, 917 2, 305, 471	3, 360 81, 390 34, 097	173, 132 2, 541, 503 2, 718, 265	114, 178 1, 175, 286 378, 697
pickles, jellies, preserves, and sauces	11	21	96	378	280	34, 485	64, 536	390, 661	6, 628	647, 476	250, 187
rallroad repair shops. Cheeso. Clothing, women's, not elsewhere classified. Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts),	6 7 5	76 1 18	820 5 309	83	2, 614 4 68	139, 842 (4) 31, 862	1, 199, 980 6, 661 208, 819	723, 792 131, 732 187, 283	88, 791 1, 726 6, 402	2, 152, 405 153, 553 585, 902	1, 839, 822 20, 095 392, 217
men's. Condensed and evaporated milk. Confectionery Copper, tin, and sheet-iron work, including gal-	4 14 5	16 16 14	184 111 54	458 100	60 725 10	51, 415 25, 850 37, 251	106, 665 126, 821 35, 374	291, 778 2, 234, 329 91, 069	2, 058 61, 589 5, 162	558, 893 2, 956, 501 254, 221	265, 057 660, 583 157, 990
vanized-iron work, not elsewhere classified. Feeds, prepared, for animals and fowls. Flour and other grain-mill products. Foundry and machine-shop products, not else-	5 13 13	15 58 11	47 224 41	1,020 235	2, 847 489	24, 614 162, 706 29, 162	64, 886 206, 191 46, 094	213, 351 11, 639, 479 426, 366	3, 904 34, 741 9, 802	460, 435 12, 581, 724 574, 523	243, 180 907, 504 138, 355
classified Furniture, including store and office fixtures Gas, manufactured, illuminating and heating Ice cream Knit goods Lime Lumber and timber products, not elsowhere clas-	29 12 9 12 7 7	132 120 24 19 36 11	877 1,147 97 50 1,084 137	1,325 2,160 117 550 15	1, 519 2, 083 449 550 605 1, 678	329, 988 331, 966 47, 835 42, 804 129, 076 21, 226	1, 311, 176 1, 141, 844 131, 968 74, 558 1, 012, 462 154, 871	1, 199, 039 1, 408, 146 102, 927 484, 279 2, 083, 410 79, 144	92, 162 61, 745 201, 003 21, 230 54, 478 139, 561	3, 659, 066 3, 622, 891 996, 638 1, 000, 110 4, 606, 082 498, 592	2, 367, 805 2, 153, 000 692, 708 494, 601 2, 468, 194 279, 887
sified.	174	123	2,371	14,667	4, 458	285, 001	2, 204, 065	2, 662, 877	81, 508	7, 201, 438	4, 546, 963
ing tools, not elsewhere classified. Machine tools. Marble, granite, slate, and other stone products. Paper. Pulp (wood and other fiber). Patent or proprietary medicines and compounds. Planine-mill products (including general mill-	3 5 209 11 3 10	30 413 526 132 4 55	2,610 5,287 869 84 123	200 1, 015 14, 883 }20, 270	8, 015 31, 374 2, 290 182	50, 096 1, 450, 742 1, 350, 235 369, 350 11, 230 100, 208	149, 036 4, 192, 872 8, 589, 718 995, 019 119, 325 117, 175	84, 820 2, 737, 867 5, 646, 046 3, 970, 150 449, 308 406, 207	13, 872 197, 639 685, 191 472, 811 35, 321 10, 861	602, 080 13, 971, 445 23, 181, 193 7, 825, 657 728, 067 1, 470, 990	503, 388 11, 035, 939 16, 799, 956 8, 382, 696 243, 438 1, 053, 931
work), not made in planing mills connected with sawmills— Printing and publishing, book and job————— Printing and publishing, newspaper and period-	30 20	51 57	345 280	1,546	1,747 314	109, 893 120, 130	379, 904 351, 959	1, 322, 267 247, 772	30, 455 17, 671	2, 256, 771 997, 463	904, 049 732, 020
Tools, not including edge tools, machine tools,	34	200	203		586	364, 205	461, 036	248, 652	32, 345	1, 852, 658	1,571,661
files, or saws	5 4	51 10	312 179	665 605	1, 358 537	114, 9¢2 22, 360	308, 839 179, 676	582,060 151,162	43, 571 10, 347	1, 442, 497 430, 195	81 6, 866 268, 686
sleds), games, and playground equipment	40 18 91	98 103 570	906 1, 499 6, 389	2,969 5,093 11,670	2, 351 1, 056 13, 337	229, 327 373, 443 1, 577, 302	752, 649 1, 713, 045 6, 789, 779	807, 561 3, 371, 771 14, 850, 468	49, 468 181, 329 618, 810	2, 647, 607 7, 191, 773 30, 940, 702	1,790,578 3,638,673 15,471,424

¹ The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General Explanations—Duplication in Cost of Materials and Value of Products.
¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.
¹ Not including data for 250 employees of contral administrative offices, with salaries aggregating \$715,020. See General Explanations—Persons Engaged.
¹ Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 1 .- SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1921 and subsequent years was \$5,000. See General Explanations—Establishments Covered—Size]

		Wage		ER (RATED WER EQUIP		-		RIALS, CONTAINE D PURCHASED ELI			
YEAR OR PERIOD	Number of estab- lish- ments	earners (average for the year) !	Total	Primo movers	Electric motors driven by purchased energy	Wages	Total ²	Materials and containers	Fuel and purchased energy	Value of products 2	Value added by manu- facture 3
1929 1927 1925 1928 1921	2, 553 2, 743 2, 570	120, 273 114, 918 112, 135 111, 578 88, 555	646, 251 503, 726 441, 807 431, 237 (5)	390, 508 203, 030 256, 896 288, 340 (^a)	255, 743 240, 690 184, 911 142, 897	\$118, 088, 986 110, 377, 945 105, 886, 599 104, 680, 099 85, 062, 579	\$365, 824, 341 846, 165, 769 314, 711, 268 304, 492, 917 268, 940, 406	\$350, 109, 073 330, 179, 145 (1) (1) (1)	\$15, 715, 268 15, 986, 624 (4) (4) (4)	\$745, 910, 075 671, 346, 808 589, 510, 805 548, 153, 489 454, 261, 467	\$380, 085, 734 325, 181, 039 274, 709, 597 243, 660, 572 185, 321, 001
1919	5, 603 5, 508 5, 685 3, 187 3, 186	119, 352 102, 820 105, 676 80, 285 66, 223	419, 738 337, 567 283, 516 176, 616 135, 727	304, 920 300, 425 270, 160 172, 213 134, 905	114, 818 37, 142 13, 356 4, 403 822	120, 000, 452 44, 873, 435 38, 154, 566 27, 943, 058 20, 273, 889	371, 540, 833 155, 319, 576 125, 582, 687 83, 649, 149 59, 359, 484	352, 059, 572 147, 872, 130 118, 398, 442 80, 107, 296	19, 481, 261 7, 447, 446 7, 184, 245 3, 541, 853 (6)	643, 511, 621 264, 039, 041 219, 793, 858 148, 856, 525 108, 644, 150	271, 970, 788 108, 719, 465 94, 211, 171 65, 207, 376 40, 284, 666
			•	**************************************		PER CENT OF H	NCREASE OR DEC	REASE (-)			
1927-1029 1925-1927 1923-1925 1921-1928 1919-1921	35. 2 -4. 7 -6. 9 6. 7 -54. 1	4, 7 2, 5 0, 5 26, 0 -25, 8	28, 3 14, 0 2, 5	48. 5 2. 4 -10. 9	6. 3 30. 2 29. 4	7. 0 4. 2 1. 2 23. 1 -29. 1	5, 7 10, 0 3, 4 13, 2 -27, 6	6.0		11. 1 13. 0 7. 5 20. 7 —29. 4	16. 0 17. 3 12. 8 31. 5 -31. 0
1919-1929	-41.3 -1.4 78.4	0. 8 12. 9 59. 6	54. 0 48. 0 108. 9	28. 1 12. 9 100. 3	122. 7 750. 7 1, 524. 8	-1. 6 214. 5 88. 2	-1. 5 195. 9 111. 6	-0. 6 197. 4	-10.3 171.2	15, 9 192, 8 102, 3	30. 8 188. 7 91. 2
1 Not including st 2 The aggregates f materials in others, 3 Value of product EXPLANATIONS—Prof 4 Not reported se; 5 Not called for or 6 No comparable	or cost of see Gene s less cost lts and Proparately.	materials, et RAL EXPLAT of materials coduction C	vations—Di , containers (inlication i	a Cost of M.	aterials and Val	ue of Products.				

Table 2.—SUMMARY FOR COUNTIES AND CITIES: 1929

COUNTY OR CITY	Popula-	Num- ber of estab-	Wage earners (aver-	Horse-	Wages	COST OF MA PRODUCTS, ELECTRIC E	TERIALS, CONT FUEL, AND ENERGY	TAINERS FOR PURCHASED	Value of	Value added by
	tion, 1930	lish- ments	age for the year) 1	power 2		Total	Materials and con- tainers	Fuel and purchased energy	products	manufac- ture
The State	2, 421, 851	3, 287	120, 273	646, 251	\$118, 088, 986	\$365, 824, 341	\$350, 109, 073	\$15, 715, 268	\$745, 910, 075	\$380, 085, 734
Counties and cities 3					' 					
Accomac Albemarle County and Charlottesville	35, 854	90	606	1, 507	363, 172	1, 414, 936	1, 389, 974	24, 962	2, 474, 604	1, 059, 668
Accomac Albemarle County and Charlottesville ofty Alleghany County and Clifton Forge city Amelia. Amherst	42, 226 27, 027 8, 979 19, 020	61 32 28 12	1, 143 3, 002 189 93	4, 275 54, 120 893 483	1, 099, 385 8, 777, 188 122, 904 65, 594	2, 844, 981 15, 307, 544 289, 854 508, 712	2, 704, 998 14, 465, 545 288, 954 503, 623	130, 988 841, 900 900 5, 089	5, 535, 095 25, 076, 970 520, 454 651, 476	2, 690, 114 9, 769, 426 230, 600 142, 764
Appomattox Aflington County and Alexandria city Augusta County and Staunton city Bedford Botetourt	8, 402 50, 764 50, 153 29, 091 15, 457	17 51 88 76 29	2, 490 2, 219 873 274	461 8,755 19,874 8,520 1,698	40, 057 3, 393, 796 2, 012, 074 629, 556 224, 640	95, 098 3, 541, 640 5, 080, 147 2, 495, 919 409, 587	94, 593 3, 125, 725 4, 586, 604 2, 383, 544 389, 105	1, 405 415, 915 493, 543 112, 375 110, 482	198, 129 8, 808, 761 9, 559, 250 4, 187, 532 1, 031, 439	102, 131 5, 327, 121 4, 479, 103 1, 691, 613 531, 852
Brunswick Buckingham Campbell County and Lynchburg city Caroline Carroll	13, 315 63, 546 15, 263 22, 141	40 29 99 31 45	499 533 7, 598 217 932	1, 795 1, 249 25, 666 1, 417 2, 330	395, 590 370, 223 6, 263, 594 154, 896 540, 223	672, 431 124, 782 17, 894, 458 379, 245 2, 155, 484	056, 843 108, 782 16, 957, 343 376, 543 2, 120, 827	15, 588 16, 000 937, 115 2, 702 34, 657	1, 349, 189 746, 257 35, 739, 110 774, 258 3, 954, 952	676, 758 621, 475 17, 844, 652 395, 013 1, 709, 468
Charles City		8 33 29 9	197 169 2, 085 102 45	080 1, 220 18, 127 667 244	116, 860 104, 241 1, 463, 925 82, 190 31, 114	107, 312 197, 338 3, 680, 887 417, 436 24, 250	98, 711 189, 132 3, 517, 306 408, 343 24, 250	8, 601 8, 206 163, 581 9, 093	328, 189 413, 824 5, 880, 755 722, 700 93, 090	220, 877 216, 486 2, 208, 808 305, 204 68, 840
Culpeper Cumberland Dinwiddie County and Petersburg eity_ Elizabeth City County and Hampton eity_ Essex	13, 306 7, 535 47, 056 26, 217 6, 976	18 9 98 14 20	164 41 4, 201 180 126	953 230 7, 314 1, 312 456	200, 062 22, 143 2, 924, 221 187, 768 61, 346	659, 899 45, 102 10, 663, 452 328, 400 196, 162	044, 297 44, 852 10, 477, 418 203, 552 194, 557	15, 602 250 186, 034 34, 848 1, 605	1, 214, 202 93, 282 18, 335, 706 810, 204 350, 930	554, 303 48, 180 7, 672, 254 481, 804 154, 768
Fairfax Fauquier Floyd Fluvanna Frederick County and Winchester city	25, 264 21, 071 11, 698 7, 466 24, 022	14 11 30 15 52	35 30 79 78 1,329	515 213 534 283 6, 732	36, 825 29, 837 45, 021 43, 984 1, 297, 358	269, 872 175, 386 94, 784 39, 596 4, 029, 445	266, 911 167, 976 04, 784 39, 596 3, 795, 185	2, 961 7, 410 234, 260	375, 811 270, 130 200, 058 125, 299 7, 301, 663	105, 939 94, 744 105, 274 85, 703 3, 272, 218
Glies Gloticester Goochland Grayson Greene		14 15 9 28 6	196 68 51 815 24	963 284 242 4,297 119	176, 324 52, 984 29, 236 464, 392 13, 080	1, 565, 021 87, 820 44, 750 1, 790, 515 26, 337	1, 526, 843 83, 847 44, 750 1, 775, 164 26, 237	38, 178 3, 982 15, 351 100	1, 920, 544 228, 390 97, 010 2, 636, 078 57, 820	355, 528 140, 561 52, 260 845, 563 31, 483
Greensville	13, 388 41, 283 17, 009 213, 239 27, 703	22 35 33 321 35	625 533 204 18, 336 3, 698	1,830 2,136 965 62,672 12,797	427, 848 423, 012 129, 677 19, 879, 810 2, 947, 402	1, 250, 122 915, 461 421, 823 95, 394, 868 8, 272, 511	1, 240, 395 842, 522 417, 197 93, 390, 118 8, 059, 320	9,727 72,939 4,626 2,004,750 213,191	1, 911, 740 2, 126, 052 686, 367 243, 029, 870 15, 898, 622	661, 618 1, 210, 591 264, 544 147, 635, 002 7, 626, 111
Righland Isle of Wight James City County and Williamsburg city. King and Queen. King George	4, 525 13, 409 7, 657 7, 618 5, 297	7 16 17 13 6	25 509 185 165 25	3, 112 8, 112 644 386 70	14, 820 401, 826 159, 209 105, 044 13, 904	28, 650 1, 092, 255 124, 750 109, 241 25, 093	28, 650 1, 082, 107 96, 070 108, 441 24, 943	10, 148 28, 680 800 150	55, 700 2, 332, 388 402, 432 205, 970 51, 152	27, 050 1, 240, 133 277, 682 186, 738 26, 059
King William Lancaster Loudoun Louisa Lunenburg	14, 309 14, 058	14 21 18 46 13	418 199 77 193 198	4, 980 1, 523 872 897 802	308, 283 111, 776 65, 845 126, 920 259, 548	1, 220, 755 847, 778 467, 646 157, 414 187, 904	1, 006, 877 315, 893 454, 899 156, 615 172, 946	123, 878 31, 885 12, 747 799 14, 958	2, 376, 691 582, 453 658, 910 369, 948 548, 823	1, 155, 936 234, 075 191, 264 212, 534 360, 910
Madison Mathews Mathews Mecklenburg Middlesex Montgomery County and Radford city	8, 952 7, 884 32, 622 7, 273 25, 832	23 0 33 11 35	90 40 381 82 1,089	623 243 2,310 214 6,120	54, 117 25, 470 308, 392 43, 292 1, 051, 035	179, 985 45, 684 712, 773 125, 047 4, 418, 098	178, 667 41, 452 699, 103 122, 740 4, 216, 204	1, 318 4, 232 13, 670 2, 307 201, 894	331, 078 104, 527 1, 398, 770 218, 828 6, 337, 979	151, 093 58, 843 685, 997 93, 781 1, 919, 881
Nansemond County and Suffolk city————————————————————————————————————	32, 801 16, 345 4, 300	49 16 6	2, 636 373 122	9, 221 2, 016 250	1, 350, 080 499, 287 78, 100	14, 231, 422 533, 684 55, 621	14, 052, 706 490, 256 55, 621	178, 716 43, 428	17, 781, 722 1, 445, 501 228, 918	3, 550, 300 911, 817 173, 297
Northampton	213, 353 18, 565	262 43	12, 187 639	55, 362 2, 326	12, 963, 775 592, 720	58, 948, 187 1, 256, 610	57, 408, 267 1, 206, 110	1, 539, 920 50, 500	99, 128, 981 2, 649, 577	40, 180, 794 1, 392, 967
Northumberland	11, 081 14, 866 12, 070 14, 852 15, 787	27 26 20 27 10	504 392 204 651 82	5, 088 2, 939 992 3, 432 460	335, 773 486, 986 116, 257 671, 559 56, 226	851, 884 525, 587 470, 761 2, 831, 407 114, 133	751, 063 497, 009 457, 666 2, 745, 731 113, 293	100, 821 28, 578 13, 095 85, 676	1, 409, 684 1, 258, 012 853, 020 4, 079, 784 271, 136	557, 800 732, 425 382, 259 1, 248, 377 157, 003
Pittsylvania County and Danville city	83, 671 6, 143 14, 520 21, 638 13, 951	69 15 14 25 15	5, 870 98 100 5, 518 66	47, 559 505 1, 033 82, 170 459	4, 715, 553 71, 097 97, 672 5, 849, 655 52, 857	10, 967, 623 63, 631 237, 765 12, 009, 387 341, 406	10, 506, 048 62, 921 222, 267 10, 593, 726 336, 842	461, 575 710 15, 498 1, 415, 661 4, 564	21, 360, 016 183, 795 505, 484 23, 761, 967 495, 438	10, 392, 398 120, 164 267, 710 11, 752, 580 154, 032
Princess Anne- Pulaski Rappahannock Richmond. Roanoke County ' and Roanoke city- See footnotes at end of table.	16, 282 20, 566 7, 717 6, 878 104, 495	6 30 8 28 103	53 1,521 24 140 12,237	157 9, 328 128 500 40, 860	44, 086 1, 215, 870 14, 620 70, 763 15, 428, 790	33, 265 2, 972, 259 58, 952 290, 281 21, 271, 087	17, 334 2, 726, 192 58, 752 287, 347 20, 349, 883	15, 931 246, 067 200 2, 934 921, 204	151, 446 5, 846, 137 96, 050 468, 750 56, 421, 281	118, 181 2, 873, 878 37, 098 178, 469 35, 150, 194

TABLE 2.—SUMMARY FOR COUNTIES AND CITIES: 1929—Continued

COUNTY OR CITY	Popula- tion, 1930	Num ber of estab-	Wage earners (aver- age for	Horse-	Wages	COST OF MA PRODUCTS, ELECTRIC E	TERIALS, CONT FUEL, AND NERGY	AINERS FOR PURCHASED	Value of	Value added by
	1011, 1000	lish- ments	the year) 1	power		Total	Materials and con- tainers	Fuel and purchased energy	products	manufac- ture
Counties and cities 3-Continued	-									
Rockbridge County and Buena Vista city Rockingham County and Harrisonburg	24, 904	44	979	6,372	\$726,409	\$4,670,376	\$4, 408, 542	\$261, 834	\$6, 661, 901	\$1, 991, 525
eity		83 6 11 42	1, 187 38 38 491	4,352 243 180 2,528	885, 256 24, 848 25, 076 340, 967	3, 061, 677 62, 235 42, 962 1, 110, 406	2, 953, 291 01, 764 42, 962 1, 007, 822	108, 386 471 102, 584	5, 284, 409 117, 426 103, 574 1, 810, 135	2, 222, 732 55, 191 60, 612 699, 729
Smyth Southampton Spotsylvania County and Fredericksburg	25, 125 26, 870	19 19	1, 379 319	19,420 1,000	1, 324, 008 168, 560	3, 317, 140 1, 968, 713	2, 451, 444 1, 966, 108	865, 696 2, 605	7, 630, 619 2, 376, 249	4, 313, 479 407, 536
Smyth Southampton Spotsylvania County and Fredericksburg city Stafford Surry	16, 875 8, 050 7, 096	34 4 6	950 11 36	2, 257 74 147	756, 766 9, 100 27, 280	1, 732, 182 18, 480 69, 187	1, 670, 190 18, 000 68, 408	61, 992 480 779	3, 518, 678 45, 373 124, 263	1, 786, 496 26, 893 55, 076
Sussex. Takewell. Warren Warren Warylok County and Newport News city. Washington County and Bristol city.	12, 100 32, 477 8, 340 43, 246 42, 690	24 23 17 43 61	667 175 461 6, 635 2, 906	2, 114 1, 216 3, 012 35, 070 11, 961	342, 550 165, 427 440, 004 9, 134, 541 2, 489, 548	906, 055 259, 709 1, 506, 272 12, 081, 857 8, 264, 649	894, 395 232, 723 1, 457, 251 11, 560, 731 7, 878, 749	11, 660 26, 986 49, 021 521, 126 385, 900	1, 656, 931 674, 182 3, 091, 986 26, 166, 573 14, 167, 720	750, 876 414, 473 1, 585, 714 14, 084, 716 5, 903, 071
Westmoreland	8, 497 51, 167 20, 704 7, 615 101, 827	30 35 21 4 63	264 576 398 23 1, 503	934 3,059 1,215 237 4,257	118, 263 534, 773 319, 856 16, 085 1, 835, 316	582, 470 1, 377, 627 1, 480, 825 12, 844 1, 986, 374	574, 784 538, 836 835, 832 10, 162 1, 926, 177	7, 686 838, 791 644, 993 2, 682 60, 197	914, 908 2, 402, 698 2, 601, 630 61, 062 6, 252, 589	332, 438 1, 025, 071 1, 120, 805 48, 218 4, 266, 215
Cities having 10,000 inhabitants or more?										
Alexandria Bluefield, Virginia and West Virginia, total	24, 149	24	1, 475	5, 421	2, 141, 384	1, 843, 607	1, 665, 611	177, 996	4, 813, 271	2, 969, 664
Bluefield, VaBluefield, W. Va	3, 906 19, 339	25 6 10	1, 506 24 1, 482	6, 230 71 6, 159	1,942,590 21,754 1,920,830	2, 323, 479 05, 797 2, 257, 682	2, 210, 731 63, 831 2, 146, 900	112, 748 1, 966 110, 782	5, 450, 155 126, 174 5, 323, 981	3, 126, 676 60, 377 3, 066, 299
Bristol, Va. and Tenn., total	20, 845	63	2, 812	8, 313	2, 375, 218	8, 214, 168	7, 873, 531	340, 637	13, 776, 001	5, 581, 928
Bristol, Va Bristol, Tenn		46 17	2, 382 430	7, 614 699	2, 059, 045 316, 173	6, 683, 255 1, 530, 913	6, 391, 069 1, 482, 462	292, 186 48, 451	10, 970, 177 2, 805, 014	4, 286, 922 1, 275, 001
Charlottesville Danville Hopewell Lynchburg Norlolk 4 Petersburg	15, 245 22, 247 11, 327 40, 661 129, 710 28, 564	31 41 14 70 177 74	809 2, 532 5, 292 6, 694 6, 633 3, 970	2, 655 19, 923 81, 938 21, 802 23, 994 5, 857	801, 390 2, 966, 090 5, 701, 731 5, 501, 090 7, 768, 277 2, 764, 725	2, 172, 981 5, 214, 713 11, 823, 269 10, 000, 337 31, 521, 915 10, 470, 484	2, 054, 829 4, 994, 618 10, 407, 673 15, 211, 378 30, 908, 658 10, 302, 700	118, 152 220, 005 1, 210, 000 887, 070 013, 257 170, 784	3, 935, 282 2, 692, 000 23, 347, 915 51, 594, 147 57, 886, 408 17, 872, 008	1, 762, 301 4, 478, 187 11, 524, 646 15, 494, 750 26, 364, 403 7, 392, 584
Portsmouth. Ri hmon i 4. Staunton Suffolk Win :hester.	45, 704 182, 929 11, 990 10, 271 10, 855	47 305 24 34 33	2, 433 17, 491 446 2, 371 1, 000	9, 363 55, 110 1, 260 8, 013 3, 528	2, 511, 710 18, 001, 958 422, 279 1, 190, 200 994, 391	6, 786, 573 90, 339, 422 1, 677, 169 13, 423, 852 3, 311, 652	6, 440, 531 88, 529, 887 1, 613, 915 13, 282, 646 3, 213, 056	346, 042 1, 809, 535 63, 254 141, 206 98, 596	11, 616, 573 234, 619, 094 2, 969, 045 16, 477, 181 5, 966, 631	4, 830, 000 144, 279, 672 1, 291, 876 3, 053, 329 2, 654, 979

¹ Not including salaried employees.

¹ Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

³ Statistics are presented for each county in which it was earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("Ail other counties"). Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately. All cities in Virginia are independent of the counties, but combined figures are given for the cities and the counties within which they are located.

¹ Because of the amount of manufacturing industry in Henrico, Norfek, and Roanoke Counties and in the cities of Norfek and Rehmond, it had been planned to publish statistics by industries for these counties and cities. It is found, however, that no figures can be given for the most important industries without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries in the respective counties and cities. Under these conditions the publication of statistics for those industries for which separate figures could be given, for any of the counties of Rhehmond, but the counties and cities. Under these conditions the publication to statistics are included in this report. The leading industry in the area comprising Honrico County and the city of Richmond and also in the city itself, was "Cigars and cigareties"; in the area comprising Roanoke County and city, "Rayon and allied products"; and in the city of Norfolk, "Motor vehicles, not including motorcycles," as measured by value of products.

¹ Richmond is not l

Table 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	Α	all Classes		TORS AND	FIRM	PRINCIPA FICERS TIONS	L SALARII OF COI	ED OF-	OTHER SALARIED OFFICERS AND EMPLOYEES			WAGE EARNERS (AVERAGE FOR THE YEAR)			
(1)	Total	Male	Female	Total	Male	Fe- male	Total	Male	Fe- male	Total	Male	Fomale	Total	Male	Female
1929 1 1919 1, 4 1914 4 1909	133, 908 139, 178 118, 109 120, 797	103, 961 116, 820 101, 382 104, 662	29, 947 22, 358 16, 727 16, 135	2, 322 5, 900 6, 125 6, 570	2, 299 5, 785 6, 026 6, 469	23 115 99 101	² 1,590 1,766 1,174 1,139	² 1, 526 1, 712 1, 149 1, 128	² 64 54 25 11	² 9, 723 12, 160 7, 990 7, 412	² 7, 671 9, 970 6, 853 6, 519	² 2, 052 2, 190 1, 137 893	120, 273 119, 352 102, 820 105, 676	³ 92, 465 90, 353 87, 354 90, 540	9 27, 808 19, 909 15, 466 15, 130

TABLE 4.-WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average number		NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY											
CENSUS YEAR	employed during year		February	March	April	May	June	July	August	Septem- ber	October ber	Novem- ber	Decem- her	mum is of maxi- mum
1929 1 1919 1 1914 1 1909 1	120, 273 119, 352 102, 820 105, 676	113, 310 111, 943 100, 795 94, 885	116, 209 112, 177 101, 063 97, 714	118, 446 112, 455 103, 802 101, 750	120, 986 113, 802 106, 175 104, 393	119, 516 112, 572 105, 902 104, 865	120, 406 113, 536 104, 916 105, 036	121, 512 116, 759 102, 697 104, 231	124, 946 125, 148 103, 418 110, 659	127, 905 131, 680 108, 590 115, 998	125, 426 131, 916 106, 016 112, 276	120, 465 125, 549 96, 944 109, 216	114, 147 124, 687 98, 522 107, 092	88. 6 84. 9 86. 1 81. 8

¹ The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not can vassed in either the 1929 or the 1900 census of manufactures.

Table 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of estab- lishments	Wage earn- ers (average for the year)	PREVAILING HOURS OF LABOR PER WEEK		Wage earn- ers (average for the year)
All classes. Not reported. Under 40. 40. Over 40 but under 44. 44 and over but under 45.	3, 287 953 68 61 13 174	120, 273 3, 550 397 2, 425 395 2, 417	45 and over but under 48	116 376 396 154 461 515	12, 632 23, 852 22, 190 4, 214 36, 640 11, 561

Table 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

CLASS	NUMBE	R OF EST MENTS	ABLISH•		RNERS (ARNERS (ARNERS (ARNERS (ARNERS (ARNERS (ARREVE	VERAGE AR)	CLASS	NUMBE	R OF EST MENTS	ABLISH-	WAGE EA	RNERS (A'	
e e e e e e e e e e e e e e e e e e e	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	3, 287	5, 603	5, 685	120, 273	119, 352	105, 676	51 to 100 101 to 250	154 129	177 157	192 105	11, 025 20, 699	12, 803 24, 296	13, 686 16, 046
No wage earners	58 1, 795 761 297	621 3, 197 1, 038 355	270 3, 058 1, 631 370	6, 043 8, 237 9, 600	7, 014 10; 648 11, 473	17,825	251 to 500 501 to 1,000 1,001 to 2,500 2,501 and over	60 21 6 6	31 16 11	33 19 7	19, 857 13, 638 7, 772 23, 352	10, 650 11, 193 } 31, 275	11, 066 13, 600 13, 903

I No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.

Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 225; male, 217; female, 8. Other salaried officers and employees—total, 2,850; male, 2,125; female, 725. The corresponding data for 1919 and earlier years are included in the respective items for those years, but were not tabulated separately. See General Explanations—Persons Engaged.

Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See General Explanations—Persons Engaged.

Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

VIRGINIA

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909 [The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBE	R OF EST MENTS	ABLISH-		ARNERS (. R THE YE	AVERAGE AR)	v	ALUE OF PROI	DUCTS	VALUE ADDED BY MANUFACTURE 1			
<u></u>	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909	
All establishments	3, 287	5, 603	5, 685	120, 273	110, 352	105, 676	\$745, 910, 075	\$643, 511, 621	\$219, 793, 858	\$380, 085, 734	\$271, 970, 788	\$94, 211, 171	
Less than \$5,000	976 633 343 486 321 165 107 125 95	1,826 1,874 1,149 (3) (3) (536 (3) (3) (18) 118 100 (3) (3) (3) (4)	2, 581 1, 917 805 (3) 356 3 356 (3) (3) (3)	(2) 5, 937 10, 774 5, 206 5, 508 22, 847 11, 144 11, 703 14, 607 66, 048 27, 264 4, 101 34, 593	1, 976 6, 989 12, 737 (*) (*) (*) (*) 25, 943 (*) 16, 985 55, 722 (*) (*) (*) (*)	7, 176 15, 254 19, 134 (3) (3) 41, 497 22, 615 (3) (3) (3)	(2) 15, 992 007 44, 961, 217 20, 163, 662 24, 797, 555 108, 824, 884 51, 015, 291 57, 809, 593 77, 369, 360 498, 762, 608 146, 412, 261 32, 722, 661 310, 627, 686	4, 434, 738 19, 268, 925 48, 626, 045 (3) (3) 122, 011, 365 (3) (3) 83, 697, 368 305, 472, 280 (3) (3)	5, 936, 118 19, 134, 920 34, 233, 401 (3) (3) 101, 364, 437 59, 124, 982 (3) (3) (3)	8, 979, 056 23, 453, 640 10, 895, 526 12, 558, 114 52, 153, 238 25, 894, 071 26, 259, 167 32, 129, 736 263, 370, 064 67, 650, 537 11, 807, 029 183, 912, 498	2, 783, 670 11, 027, 310 22, 282, 512 (3) 50, 483, 301 (3) 37, 248, 534 148, 145, 371 (3) (3)	3, 859, 930 11, 171, 420 16, 900, 075 (3) (3) (3) 38, 289, 549 23, 990, 197 (3) (3) (3) (3)	

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

² No data.

³ Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at \$500 or more, whereas the coresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	NUMBER O		WAGE EARN AGE FOR T		VALUE OF	PRODUCTS :	VALUE ADDED	
THE OF CHAMBAN OF CONTROL OF STEMMEN	1029	1919	1929	1919	1929	1919	1929	1919
Total	3, 287	5, 603	120, 273	119, 352	\$745, 910, 075	\$643, 511, 6 2 1	\$380, 085, 734	\$271, 970, 788
TYPE OF OWNERSHIP OR CONTROL			,					
Corporate ownership or control	1, 301	1, 379	107, 725	101, 457	689, 711, 023	560, 599, 658	354, 217, 898	239, 253, 525
Other forms of ownership or control (individual, partnership, etc.)	1, 986	4, 224	12, 548	17,895	56, 199, 052	82, 911, 963	25, 867, 836	32, 717, 263
TYPE OF OPERATION								
Central-administrative-office (plural-unit)Independent (single-unit)	512 2, 775	(1) (1)	70, 164 50, 109	(3)	480, 828, 647 205, 081, 428	(1) (1)	260, 851, 269 119, 234, 465	(1) (1)

¹ Not tabulated.

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR IMPORTANT COUNTIES, 1929

[This table gives statistics for each county which, together with the city or cities so located as to be nearly or entirely surrounded by the county, reported an aggregate of 25,000 horsepower or more]

A Control of the Cont			PRIME I	MOVERS AI	ND ELEC	TRIC MOTO	ORS DRI	VEN BY	PURCHA	SED ENE	RGY			MOTORS
					Prime n	overs					Electri	e motors	ERGY	BY EN- GENER- LESTAB-
	Aggregate horse- power	Total horse- power of	Steam	engines	Steam	turbines	comb	ernal- oustion gines	and w	r wheels ater tub- ines	driven	by pur- lenergy	LISHME	NTS RE-
	pu u	prime movers	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power
The State: 1929 1927 1925 1919 1914 Counties and cities 4	046, 251 503, 726 441, 807 419, 738 337, 567	390, 508 263, 036 256, 896 304, 920 300, 425	2, 090 1, 433 1, 685 4, 081 2 4, 528	150, 356 118, 805 139, 401 211, 816 2 249, 044	175 84 90 100 (³)	194, 180 100, 499 73, 768 44, 950 (³)	233 209 215 532 495	9,188 9,670 9,657 9,067 6,650	332 300 334 630 715	36, 784 84, 062 84, 070 39, 087 44, 722	26, 676 21, 727 16, 086 12, 773 3, 728	255, 748 240, 690 184, 911 114, 818 37, 142	24, 051 19, 192 17, 123 3, 722 2, 853	213, 264 148, 176 129, 470 73, 637 64, 871
Alleghary County and Clifton Forge city	54, 120 25, 666 62, 672 55, 362	47, 276 17, 294 13, 302 8, 498	47 42 62 76	⁵ 5, 556 7, 180 9, 125 6, 211	32 4 10 5	41, 155 9, 060 1, 536 2, 055	1 8 10 8	(b) 313 411 232	3 11 18	565 741 2, 230	775 1, 450 5, 925 3, 853	6, 844 8, 372 49, 370 46, 864	1,556 353 159 200	47, 826 8, 840 2, 126 2, 057
Pittsylvania County and Danville city- Prince George County and Hopewell city	47, 550 82, 170 40, 860	45, 692 67, 639 26, 188	24 29 20	1,780 29,628 895	9 45 12	31, 027 33, 975 25, 143	8	255 36	74 4 4	12, 630 4, 000 150	237 537 1,324	1, 867 14, 531 14, 672	12, 759 906 2, 512	38, 913 28, 727 32, 028
Warwick County and Newport News	35, 070	4, 599	10	2, 258	8	2, 202	3	139	<u> </u>		1,644	30, 471	3	2, 100

Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

Reported as "Steam engines and turbines."

Not reported separately. See footnote 2.

All cities in Viginia are independent of the counties, but combined figures are given for the cities and the counties within which they are located.

Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.

Richmond is not located wholly within Henrico County, but is nearly surrounded by it.

Table 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county and county-city group for which separate figures are given in Table 2. See footnotes 3 and 6 on that table]

COUNTIES AND CITIES 1			ELECTRIC BY PUR-	Electric motors— plant	COUNTIES AND CITIES 1			ELECTRIC BY PUR-	Electric motors—
	Aggregate	Prime movers	Electric motors	energy 2		Aggregate	Prime movers	Electric motors	energy?
The State	646, 251	390, 508	255, 743	213, 264	Louisa	897 862	889 795	8 67	466
Accomac. Albemarle County and Charlottes- ville city	1, 507 4, 275	1, 166 1, 855	341 2, 420	34	Lunenburg Madison Mathews Mecklenburg	623 243 2, 310	546 211 1,700	77 32 610	
ville city Alleghany County and Clifton Forge city Amelia Amherst	54, 120 893 483	47, 276 893 483	6, 844 (³)	47,826 100	Middlesex Montgomery County and Radford city Nanssmond County and Suffolk	214 6, 120	207 5, 155	965	1, 509
AppomattoxArlington County and Alexandria	461 8, 755	361 1,908	100 6, 847	110	Nansemond County and Suffolk city Nelson New Kent	9, 221 2, 016 250	2, 012 1, 991 250	7, 200 25	40 2, 150
city Augusta County and Staunton city Badford Bototourt	19, 874 8, 520 1, 698	15, 806 7, 009 526	4, 068 1, 511 1, 172	10, 329 1, 233	Norfolk County and Norfolk, Ports-	55, 362	8, 498	46, 864 566	2, 057 367
Brunswick Buckingham Campbell County and Lynchburg	1, 795 1, 249	1, 573 1, 249	222		Northampton Northumberland Nottoway Orange	2, 326 5, 088 2, 939 992	1,760 5,088 2,109 629	(³) 830 363	
Brukingham Campbell County and Lynchburg city Caroline Carroll	25, 666 1, 417 2, 330	17, 294 1, 398 842	8, 372 19 1, 488	8, 849 (*)	Page. Patrick. Pittsylvania County and Danville city.	3, 432 460	1, 546 458	1,886 2	
Charles City	680 1, 220 18, 127 667	680 1, 189 16, 164 215	31 1, 963 452	10, 479	city Powhatan Prince Edward	47, 559 505 1, 033	45, 692 505 272	1, 867 761	38, 913
	244 953	3 244 303	(³) 432 650		Prince George County and Hopewell oity Prince William	82, 170 459	67, 639 436	14, 531 23	28, 727
Culpeper Cumberland Dinwiddie County and Petersburg city	230 7, 314	230 4, 312	3, 002	988	Princess Anne Pulaski Rappahannock	9, 328 128	70 5, 315 121	4, 013 7	1,005
city	1, 312 456	385 434	927 22	425	Richmond	500 40, 860	⁸ 500 26, 188	(3) 14, 672	32, 023
Fairfax Fauquier Floyd Fluvanna Frederick County and Winchester city	515 213 534 283	219 81 \$ 534 \$ 283	296 132 (3) (3)		Visia city Rockingham County and Harrison- burg city Russell	6, 372 4, 352 243	2, 974 2, 498 200	3, 398 1, 854 43	459
Giles	6, 732 963	2, 314 459	4, 418 504	026	Scott Shenandoah Smyth	189 2, 528 19, 420	185 1, 445 12, 628	1, 083 6, 792	3,047
Gloucester. Goochland Grayson Greene	284 242 4, 297 119	¹ 284 242 4, 248 110	(3) 49	1, 217	Southampton Spotsylvania County and Fredericksburg city	1, 000 2, 257	955 1, 290	45 967	25 62
Greensville	1, 830 2, 136 965	1, 075 706 940	755 1,430 25	735	Stafford Surry Sussex Tazewell	74 147 2, 114 1, 216	3 74 135 2, 017 640	(²) 12 97 576	27
city 8 Henry County and Martinsville city	62, 672 12, 797	13, 302 10, 042	49, 370 2, 755	2, 126 5, 248	Warren Warwick County and Newport News city	30,070	380 4, 599	2, 632 30, 471	2, 100
Highland Isle of Wight. James City County and Williams-	125 3, 112	125 2,756	356	2, 120	oity Washington County and Bristol city. Westmoreland	11, 961 934	4, 889 856	7, 072	2,005
James City County and Williams- burg city King and Queen	644 386	512 386	132		Wise Wythe York All other counties	3, 059 1, 215 237 4, 257	649 306 40 4, 017	2,410 909 197 240	30
King George King William Laneaster Loudoun	70 4, 980 1, 523 872	70 4, 980 1, 376 301	147 571	3, 612 140	AN ORIGI COMMISS	7, 201	4,017	240	. 781

¹ All cities in Virginia are independent of the counties, but combined figures are given for the cities and the counties within which they are located.
2 Horsepower of electric motors driven by energy generated in establishments reporting.
3 Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.
4 Item for Caroline County included with that for "All other counties" to avoid disclosing data for a single establishment.
5 Richmond is not located wholly within Henrico County but is nearly surrounded by it.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

	19	29	1927 1	1923 1	1919 1	1914 1	1909 1
KIND	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel: Coal, total 2 (tons, 2,000 pounds)	2, 675, 539	\$8, 298, 710	2, 489, 605	3, 313, 073	3, 258, 680	2, 840, 071	3, 308, 625
Anthracite (tons, 2,240 pounds)Bituminous (tons, 2,000 pounds)	30, 916 2, 640, 913	112, 958 8, 185, 752	(3) (3)	53, 457 3, 253, 201	23, 475 3, 232, 388	14, 981 2, 823, 292	26, 085 3, 339, 410
Coke (tons, 2,000 pounds) Fuel offs, including crude oils and gas offs (gallons) ⁴	203, 080 18, 479, 793	1, 244, 900 955, 713	(4) (4) (4)	(4) (4) (4)	603, 617 12, 294, 492	558, 028 5, 404, 980	705, 874 3, 042, 144
Gasolíne and kerosene (gallons) ³ Gas, natural (M cubic feet) Gas, manufactured (M cubic feet) Other fuels	514, 901 118, 300	81, 065 110, 382 65, 012	(4) (4) (4)	(4) (4) (4)	405, 048 44, 046 (4)	35, 712 (4)	17, 993
Electric energy purchased (kilowatt-hours)	407, 852, 202	5, 261, 497	(6)	(4)	(4)	(4)	(4)
Total cost of fuel and purchased energy		7 16, 018, 179	Cost \$15, 986, 624	Cost (8)	Cost \$19, 481, 261	Cost \$7, 447, 448	Cost \$7, 184, 245

No data on cost of fuel, by kinds, were collected for years prior to 1929.
Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
Not tabulated separately.
No data.
For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
Data incomplete.
The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

	Num- ber	Salaried	Wage	(RATED ITY) OF	POWER CAPAC- POWER MENT			Cost of materials	Cost of		Value
Industry	of estab- lish- ments	officers and em- ployees	earners (average for the year)	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	and con- tainers for products 1	purchased electric energy	Value of products 1	added by manufac- ture ²
All industries, total	3, 287	³ 11, 313	120, 273	390, 508	265, 743	Dollars 3 29, 263, 340	Dollars 118, 088, 986	Dollars 350, 109, 073	Dollars 15, 715, 268	Dollars 745, 910, 075	Dollars 380, 085, 734
Agricultural implements	11 11 9	30 15 38	162 64 390	215	313 40 525	68, 367 24, 405 95, 875	172, 163 70, 824 262, 737	156, 627 153, 347 4, 596, 303	11, 536 1, 814 8, 734	533, 680 358, 833 5, 207, 118	365, 517 203, 672 602, 081
Baskets and rattan and willow ware, not including furniture Beverages Bookbinding and blank-book making Boxes, paper, not elsewhere classified Boxes, wooden, except cigar boxes Bread and other bakery products Brooms	8 110 5	34 128 5 74 79 242	1, 290 524 52 569 1, 138 1, 709	1, 492 35 60 3, 657 32	1, 131 1, 130 43 596 1, 442 3, 379	106, 204 422, 395 9, 780 167, 120 203, 253 484, 098	674, 138 640, 872 50, 097 436, 611 849, 004 2, 057, 504	1, 006, 005 2, 013, 501 28, 248 1, 418, 702 3, 170, 817 5, 870, 321	20, 258 62, 997 1, 541 23, 163 16, 991 233, 468	2, 488, 362 5, 210, 389 120, 209 2, 509, 922 4, 778, 871 11, 467, 974	1, 442, 009 3, 133, 891 90, 420 1, 068, 057 1, 591, 063 5, 364, 185
	23	55	123	296	21 1, 768	110, 809	21, 520 145, 014	51, 493 1, 949, 643	1, 073 51, 882	96, 632 2, 543, 396	44, 066 541, 871
Canning and preserving: Fish, crabs, shrimps, oysters, and clams. Canning and preserving: Fruits and vegetables;	. 0	21	139	495	5	19,069	72, 197	208, 206	16, 361	357, 083 8, 555, 042	132, 516 3, 462, 081
pickles, jellies, preserves, and sauces	186	92 43	1, 712 293	3, 873	918 877	138, 210 68, 117	888, 706 424, 381	5, 014, 313 168, 332	78, 648 4, 533	674, 136	501, 271
railroad repair shops		889	12, 134	14, 731	17, 380	2, 313, 286	18, 390, 598	11, 880, 587	681, 544	33, 271, 215	20, 709, 084
railroad repair shops Caskets, coffins, burial cases, and other morticians' goods. Cereal preparations. Chemicals, not elsewhere classified	4 11	20 3 297 268	83 12 2, 446 6, 375	207 78, 051 1, 500	451 50 9, 161 3, 958	62, 120 4, 220 1, 429, 854 584, 042	106, 165 11, 202 3, 051, 032 4, 710, 187	234, 958 267, 316 6, 693, 688 45, 586, 659	6, 159 1, 762 2, 283, 814 154, 352	549, 184 348, 175 20, 681, 670 147, 701, 545	308, 067 79, 097 11, 704, 174 101, 960, 534
Cigars and cigarettes Clay products (other than pottery) and nonclay refractories	43	128	1, 239	3, 257	4, 296	342, 636	1, 168, 062	131, 865	661, 903	2, 945, 282	2, 151, 514
Clothing (except work clothing), men's, youths', and boys', not elsewhere classified	17 6	158 20	2, 381 198	375	410 36	393, 952 40, 307	1, 588, 218 142, 745	4, 599, 505 484, 423	40, 053 2, 942	8, 084, 733 838, 078	3, 425, 175 350, 713
Clothing, women's, not elsewhere classified Clothing, work (including sheep-lined and blanket- lined work coats but not including shirts), men's Coffee and spice, roasting and grinding Coke, not including gas-house coke Compressed and liquefied gases Concrete products Confectionery Cooperage Copper, tin, and sheet-iron work, including galvan- ized-iron work, not elsewhere classified	15 13 7 9 26 19 113	83 52 15 69 48 101 59	1,604 113 352 146 266 1,338 899	850 47 325 341	506 742 1, 552 1, 634 639 3, 796 188	159, 827 177, 642 19, 084 141, 562 91, 376 309, 025 127, 667	924, 037 112, 850 219, 426 193, 568 276, 777 655, 895 578, 178	3, 148, 670 3, 966, 885 50, 809 265, 452 499, 379 8, 737, 177 2, 695, 631	23, 909 26, 472 804, 651 75, 475 13, 015 92, 420 3, 838	4, 786, 363 5, 462, 100 1, 304, 493 1, 327, 422 1, 301, 454 10, 678, 880 4, 209, 835	1, 593, 784 1, 468, 743 448, 943 986, 495 789, 060 1, 849, 283 1, 510, 366
Copper, tin, and sheet-iron work, including galvan- ized-iron work, not elsewhere classified	10	89	97		177	87, 934	119, 533	720, 261	5,001	1, 040, 141	314, 879

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

									,		
	Num- ber	Sala rie d	Wage earners	TY) OF	POWER CAPAC- POWER MENT	-		Cost of materials	Cost of fuel and	Value of	Value added by
INDUSTRY	of estab- lish- ments	officers and om- ployees	(average for the year)	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	and con- tainers for products ¹	purchased electric energy	products 1	manufac- ture ²
Cotton goods	9	142	7, 672	55, 982	2, 805	Dollars 499, 755	Dollars 5, 741, 225	Dollars 12, 915, 830	Dollars 549, 774	Dollars 25, 038, 049	Dollars 11, 572, 445
Cotton goods. Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies. Electrical machinery, apparatus, and supplies. Engraving, steel and copperplate, and plate printing.	10 7	23	99 58	170	259 243	42, 117 12, 173	86, 253 47, 920	139, 392 64, 366	6, 989 4, 540	399, 469 174, 445	253, 138 105, 539
Foeds, prepared, for animals and fowls. Fortilizers. Flavoring extracts and flavoring sirups Flour and other grain-mill products. Food preparations, not elsewhere classified	10 42 10 321 8	3 11 14 280 60 219 10	18 168 26 2, 047 149 685 114	1, 341 175 5, 597 12, 009	8 400 456 9, 806 204 5, 977 891	6, 800 16, 817 18, 472 594, 475 134, 644 406, 996 55, 292	18, 787 144, 086 24, 134 1, 581, 295 117, 098 677, 115 87, 179	18, 464 255, 440 490, 867 14, 130, 760 1, 146, 736 14, 501, 906 097, 953	854 9, 809 8, 198 225, 327 7, 264 158, 071 17, 746	67, 411 581, 510 634, 032 20, 661, 916 2, 280, 311 18, 865, 489 947, 677	48, 093 316, 171 134, 967 6, 305, 829 1, 126, 311 4, 205, 512 231, 978
where classified. Furniture, including store and office fixtures. Gas, manufactured, illuminating and heating. Grease and tallow, not including lubricating greases. Hand stamps and stenells and brands. Hardware not elsewhere classified. Lee cream. Lee, manufactured. Knit goods. Leather: Tanned, curried, and finished. Lime. Lumber and timber products, not elsewhere classified.	62 54 14 4 7 3 38 111 24	207 469 148 21 7 7 107 220 119	1, 069 6, 285 490 145 33 92 306 867 3, 125	525 15 494 5,603 5,603 599	3, 620 7, 432 2, 948 247 19 144 3, 237 25, 639 2, 007 2, 087 5, 160	514, 550 1, 319, 970 274, 308 53, 013 10, 967 36, 767 237, 374 460, 581 388, 985	1, 369, 960 5, 309, 999 593, 939 150, 994 38, 029 76, 625 369, 496 927, 302 1, 863, 425 776, 382	1, 851, 702 14, 066, 276 701, 105 989, 969 41, 195 61, 622 1, 818, 887 200, 215 5, 143, 447 7, 482, 130 597, 853	137, 808 233, 225 876, 774 31, 256 1, 621 6, 014 114, 751 701, 672 90, 866 146, 435	5, 145, 451 28, 221, 183 5, 396, 884 1, 317, 881 144, 884 227, 025 3, 640, 810 4, 042, 862 0, 381, 123 0, 500, 544	3, 155, 941 13, 921, 682 3, 818, 955 296, 056 102, 068 1, 716, 181 3, 140, 975 4, 137, 810 1, 871, 970
Marble, granite, slate, and other stone products. Mattresses and bed springs, not elsewhere classified. Meat packing, wholesale Mirrors, framed and unframed. Motor-vehicle bodies and motor-vehicle parts. Paints and varnishes Paper. Pulp (wood and other fiber). Patent or proprietary medicines and compounds	26 14 26 8 8	37 88 207 113 32 73 24 16 24 261 114	8,720 8,720 165 548 155 111 96 1,935 1,553 1,553	1, 739 1, 342 29, 848 2, 482 085 155 150 60, 163 40	2, 087 5, 160 2, 088 1, 166 387 1, 552 196 304 336 17, 507	84, 499 225, 113 676, 984 218, 411 84, 707 197, 527 75, 113 31, 610 97, 271 { 1, 023, 235 412, 504 158, 574	6, 512, 215 885, 762 113, 588 530, 540 145, 240 145, 240 77, 031 2, 277, 494 1, 563, 259 93, 522	6, 482, 189 597, 853 6, 642, 561 530, 057 543, 099 8, 051, 036 811, 881 165, 396 313, 272 13, 194, 705 7, 726, 050 455, 536	190, 436 202, 032 127, 458 74, 885 7, 491 05, 040 10, 850 8, 758 11, 576 1, 143, 829 734, 436 9, 980	2, 105, 645 20, 656, 537 2, 248, 974 991, 982 0, 641, 180 1, 470, 413 480, 687 611, 868 20, 967, 376 14, 203, 960 1, 773, 015	1, 215, 700 13, 886, 518 1, 644, 032 441, 392 1, 524, 504 656, 682 256, 533 287, 020 6, 628, 842 5, 743, 474 1, 307, 409
Peanuts, walnuts, and other nuts, processed or shelled	22	93	1, 050	2, 225	1, 028	208, 771	400, 020	8, 768, 416	31,603	9, 977, 967	1, 177, 948
ments. Planing-mill products (including general millwork), not made in planing mills connected with sawmills. Printing and publishing, book and job. Printing and publishing, newspaper and periodical. Ship and boat building, steel and wooden, including repair work.	119 135 123	317 510 998	1, 847 1, 830 1, 058	8, 031	6, 068 2, 504 2, 734	56, 857 721, 908 1, 337, 845 1, 982, 377	143, 911 1, 987, 903 2, 386, 489 1, 843, 491	5, 818, 549 2, 834, 402 2, 015, 233	4, 662 107, 008 85, 440 98, 512	348, 061 10, 245, 357 0, 905, 825 10, 202, 608	281, 529 4, 319, 800 6, 985, 983 8, 088, 863
	22 7 19	777 17 111	6, 760 489 2, 249	4, 382 650	30, 531 78 2, 918	2, 170, 771 22, 270 360, 509	9, 260, 429 242, 501 1, 695, 460	10, 734, 737 544, 643 5, 209, 577	447, 386 5, 861 163, 255	25, 292, 845 903, 257 9, 700, 804	14, 110, 722 352, 753 4, 328, 032
Silk and rayon manufactures. Stoves and ranges (other than electric) and warmair furnaces. Structural and ornamental iron and steel work, not made in plants operated in connection with rolling with	5	40	194	80	545	127, 406	215, 284	166, 516	26, 402	656, 658	463, 740
ing mills. Tanning materials, natural dyestuffs, mordants and assistants, and sizes. Tobacco: Chewing and smoking, and snuff. Trunks, sutcases, and bags. Wood preserving. Wood turned and shaped and other wooden goods, not elsewhere classified. Woolen goods.	9 6 7 9	50 156 103 56	907 270 1, 507 1, 167 388	2, 330 734 1, 190 1, 225	6, 035 75 996 297 748	265, 885 159, 952 746, 543 270, 284 174, 247	1, 354, 436 263, 667 933, 858 977, 037 524, 202	3, 098, 262 1, 129, 096 7, 837, 768 3, 017, 098 3, 597, 602	96, 573 170, 713 54, 561 10, 594 84, 760	7, 602, 718 1, 979, 115 17, 744, 906 5, 782, 717 4, 892, 830	3, 507, 878 679, 306 9, 852, 607 2, 746, 025 1, 210, 408
Wood turned and shaped and other wooden goods, not elsewhere classified	18 7 1 50	55 52 1, 505	725 1,003 21,719	2, 766 722 67, 063	413 1, 537 44, 129	162, 690 126, 270 3, 796, 845	564, 427 922, 861 22, 457, 086	739, 419 1, 925, 104 60, 191, 152	31, 512 64, 397 2, 988, 351	1, 767, 607 3, 780, 022 123, 965, 849	996, 676 1, 790, 521 60, 780, 846

¹ The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General Explanations—Duplication in Cost of Materials and Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs,

3 Not including data for 3,075 employees of central administrative offices, with salaries aggregating \$7,885,239. See General Explanations—Persons Engaged.

WASHINGTON

TABLE 1 .- SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1921 and subsequent years was \$5,000. See General Explanations—Establishments Covered—Size

	Num-	Wage		VER (RATED WER EQUIP				RIALS, CONTAINE AND PURCHAS			1847 1
YEAR OR PERIOD	ber of estab- lish- ments	earners (average for the year) 1	Total	Prime movers	Electric motors driven by pur- chased energy	Wages	Total ;	Materials and containers	Fuel and purchased energy	Value of products ³	Value added by manu- facture !
1929 1927 1925 1923 1921	3, 672 3, 344 3, 216 3, 020 2, 908	114, 830 104, 468 105, 893 111, 663 77, 518	814, 891 680, 408 748, 110 593, 330 (5)	419, 732 346, 678 486, 585 376, 120 (4)	395, 159 333, 730 261, 525 217, 201 (4)	\$160, 670, 891 145, 930, 930 146, 224, 608 156, 434, 842 99, 191, 041	\$428, 413, 026 389, 884, 598 372, 758, 621 372, 044, 358 259, 685, 170	\$415, 134, 051 378, 582, 862 (1) (4)	\$13, 278, 975 11, 301, 736 (1) (1) (1)	\$795, 501, 861 677, 913, 579 659, 339, 836 678, 543, 200 448, 164, 548	\$367, 148, 835 288, 028, 981 286, 581, 215 306, 498, 842 188, 470, 378
1919 1914 1909 1904 1899	4, 918 3, 829 3, 074 2, 751 1, 926	132, 928 67, 205 69, 120 45, 199 31, 523	683, 073 389, 344 297, 759 167, 583 87, 425	467, 152 304, 391 260, 808 155, 933 84, 863	215, 921 84, 953 30, 951 11, 650 2, 562	104, 968, 222 51, 703, 052 49, 766, 308 30, 087, 287 17, 065, 140	443, 177, 531 136, 609, 309 117, 887, 688 66, 166, 165 38, 276, 944	431, 896, 276 131, 352, 710 114, 423, 470 64, 580, 858	11, 281, 255 5, 256, 599 3, 464, 218 1, 585, 307 (4)	809, 622, 984 245, 326, 456 220, 746, 421 123, 821, 667 70, 831, 345	366, 445, 453 108, 717, 147 102, 858, 733 62, 655, 502 32, 554, 401
			· · · · · · · · · · · · · · · · · · ·		per	CENT OF INCRE	ASE OR DECREA	SE (-)			
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921	9.8 4.0 6.2 4.2 -40.9	9.9 -1.3 -5.2 44.0 -41.7	19.8 -9.0 26.1	21. 1 -28. 8 20. 4	18. 4 27. 6 20. 4	10. 1 -0. 2 -6. 5 57. 7 -49. 1	9. 9 4. 6 0. 2 43. 3 -41. 4	9.7	17. 5	17. 4 2. 8 -2. 8 51. 4 -44. 6	27. 5 0. 5 -6. 5 62. 6 -48. 6
1910-1929 1909-1919 1899-1909	-25.3 33.9 90.8	-13.6 92.3 110.3	19, 3 129, 4 240, 8	-10, 2 75, 1 214, 4	83.0 597.6 1,108.1	-17.6 291.8 101.6	-3.3 275.9 208.0	-3.9 277.5	17.7 225.7	-1.7 266.8 211.7	0. 2 256. 3 216. 0

1 Not including salaried employees.

The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.

Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

Not reported separately.

Not called for on schedule.

No comparable data.

TABLE 2.—SUMMARY FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Donaletton	Num- ber of	Wage earners (aver-	Horse-			PERIALS, CONTA FUEL, AND NERGY		Value of	Value added by
	Population, 1930	estab- lish- ments	age for the year) 1	power 2	Wages	Total	Materials and con- tainers	Fuel and purchased energy	products	manufac- ture
The State	1, 563, 396	3, 672	114, 830	814, 891	\$160, 670, 891	\$428, 413, 028	\$415, 134, 051	\$13, 278, 975	\$795, 561, 861	\$367, 148, 835
Seattle-Tacoma Industrial Area (King and Pierce Counties)	627, 359	1, 757	47, 449	293, 088	66, 055, 854	227, 818, 630	221, 510, 088	6, 308, 542	889, 775, 019	161, 956, 389
Asotin Benton Chelan Ciallam Clark	10, 952	8 11 55 56 74	93 72 904 2, 161 3, 455	527 549 6, 174 30, 222 59, 197	101, 129 100, 183 1, 174, 995 3, 528, 269 4, 653, 323	454, 741 761, 442 2, 816, 147 8, 286, 632 16, 112, 924	441, 450 737, 653 2, 681, 958 7, 693, 905 15, 214, 759	13, 291 23, 789 134, 194 592, 727 898, 165	722, 069 1, 076, 666 5, 626, 585 17, 187, 538 28, 265, 166	267, 328 315, 224 2, 810, 438 8, 900, 906 12, 152, 242
Columbis Cowlitz Ferry Franklin Garfield	31, 906	7 54 15 5 4	32 4, 250 161 278 11	428 67, 940 1, 591 1, 155 186	51, 189 6, 120, 822 189, 580 441, 203 13, 316	84, 924 5, 441, 350 145, 796 1, 051, 636 02, 659	76, 519 5, 210, 901 144, 759 1, 009, 701 91, 616	8, 405 230, 449 1, 037 41, 935 1, 043	171, 661 17, 082, 707 619, 704 1, 771, 468 136, 550	86, 737 11, 641, 357 473, 908 719, 832 43, 891
Grays Harbor 4 Jefferson King 4 Kitsap Kitsap	59, 982 8, 346 463, 517 30, 776 18, 154	149 20 1,342 40 27	10, 854 1, 126 29, 167 1, 441 332	68, 893 20, 065 156, 544 6, 014 2, 287	16, 867, 809 1, 629, 178 41, 785, 582 1, 992, 537 515, 477	29, 834, 603 3, 427, 760 121, 102, 995 2, 758, 375 708, 708	29, 399, 614 3, 194, 265 117, 382, 363 2, 679, 323 693, 251	434, 989 233, 495 3, 720, 632 79, 052 15, 457	64, 480, 750 7, 027, 834 228, 354, 787 7, 071, 302 1, 639, 202	34, 646, 147 3, 600, 074 107, 251, 792 4, 313, 017 930, 494

See footnotes at end of table.

Table 2.—SUMMARY FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Continued

		Num-	Wage			COST OF MAT	TERIALS, CONTA	AINERS FOR PURCHASED		
	Population, 1930	ber of estab- lish- ments	earners (aver- age for the year) 1	Horse- power 2	Wages	Total	Materials and con- tainers	Fuel and purchased energy	Value of products	Value added by manufac- ture
Counties ! - Continued										
Klickitat Lewis Lincoln Mason Okanogan	40,034	39 130 11 54 37	715 3, 265 56 1, 886 829	5, 383 23, 072 520 7, 408 3, 745	\$970, 041 4, 560, 055 66, 739 2, 726, 971 1, 208, 984	\$619, 721 5, 877, 811 435, 036 4, 203, 016 922, 492	\$598, 556 5, 728, 169 422, 758 4, 031, 546 875, 353	\$21, 165 149, 642 12, 278 171, 470 47, 139	\$2, 738, 320 14, 162, 690 713, 407 11, 495, 688 2, 892, 007	\$2, 118, 599 8, 284, 879 278, 371 7, 292, 672 1, 969, 515
Pacific	14, 970 7, 155 163, 842 3, 097	61 21 415 14	2, 200 942 18, 282 214	9, 701 10, 874 136, 544 485	3, 008, 669 1, 136, 596 24, 269, 772 189, 198	5, 245, 072 927, 341 106, 715, 635 685, 317	5, 223, 168 813, 411 104, 127, 725 641, 711	21, 904 113, 930 2, 587, 910 43, 606	10, 916, 591 4, 071, 941 161, 420, 232 1, 256, 967	5, 671, 519 3, 144, 600 54, 704, 597 571, 650
Skagit Skamania Snohomish Spokane ⁴		76 11 179 816	3, 071 306 8, 779 8, 051	21, 722 1, 768 60, 604 45, 577	4, 310, 150 398, 116 11, 446, 532 10, 632, 736	9, 205, 769 833, 861 25, 213, 023 39, 346, 677	8, 676, 333 817, 935 24, 624, 818 38, 085, 654	529, 436 15, 926 588, 205 1, 261, 023	18, 266, 791 1, 518, 553 48, 161, 193 65, 153, 181	9, 061, 022 684, 692 22, 948, 170 25, 806, 504
Stevens. Thurston Wahkiakum Walla Walla.	18, 550 31, 351 3, 862 28, 441	43 67 14 46	578 3, 011 540 351	5, 444 18, 531 363 2, 405	723, 370 4, 222, 928 1, 056, 555 495, 518	1, 074, 826 7, 491, 492 1, 411, 751 3, 419, 817	787, 668 7, 346, 172 1, 403, 310 3, 325, 830	287, 158 145, 320 8, 441 93, 987	2, 985, 574 16, 419, 485 3, 181, 282 5, 092, 854	1, 910, 748 8, 927, 993 1, 769, 531 1, 673, 037
Whatcom Whitman Yakima All other counties ¹ .	28 014	128 36 90 17	5, 073 131 2, 101 112	29, 546 705 7, 645 477	7, 189, 073 198, 896 2, 509, 287 177, 113	13, 883, 077 698, 792 6, 328, 251 793, 557	13, 401, 319 672, 348 6, 106, 241 771, 994	481, 758 26, 444 222, 010 21, 563	29, 583, 169 1, 158, 682 12, 030, 433 1, 108, 742	15, 700, 092 459, 890 5, 702, 182 315, 185
Cities having 10,000 inhabitants or more					1					
Aberdeen	1 10.170	62 84 14 94 35	2, 763 3, 941 57 4, 208 2, 648	19, 799 18, 933 300 27, 828 27, 626	4, 010, 691 5, 821, 019 104, 522 5, 068, 849 4, 016, 473	9, 906, 303 8, 160, 605 226, 521 14, 015, 344 0, 631, 636	9, 778, 933 7, 938, 925 217, 011 13, 803, 772 9, 381, 419	127, 460 221, 680 9, 510 211, 572 250, 217	17, 252, 255 20, 187, 029 486, 401 23, 085, 155 17, 699, 670	7, 345, 862 12, 026, 424 259, 820 9, 069, 811 8, 068, 034
Longview Olympia Port Angeles Seattle 6 Spokane 6	11, 733 10, 188	16 32 22 1, 219 275	528 1, 344 1, 149 23, 003 5, 252	8, 093 8, 865 27, 406 116, 280 21, 276	710, 244 1, 712, 741 1, 833, 177 33, 347, 697 6, 636, 020	1, 090, 604 4, 952, 609 7, 106, 552 108, 413, 425 27, 306, 985	1, 817, 177 4, 874, 484 6, 518, 331 105, 507, 442 26, 670, 858	173, 427 78, 125 588, 221 2, 905, 983 636, 127	3, 511, 828 8, 709, 300 11, 987, 221 199, 810, 372 45, 607, 723	1, 521, 224 3, 756, 691 4, 880, 669 91, 396, 947 18, 300, 738
Tacoma ⁶	15, 976 11, 627	329 37 34 26 52	13, 424 1, 517 285 521 878	80, 290 12, 589 1, 433 2, 692 2, 880	17, 839, 155 2, 117, 230 409, 955 712, 750 1, 093, 344	54, 724, 643 6, 748, 476 2, 439, 208 1, 003, 086 3, 667, 360	53, 448, 453 6, 626, 337 2, 365, 336 1, 803, 029 3, 520, 238	1, 276, 190 122, 139 73, 872 100, 957 147, 131	92, 774, 045 13, 076, 318 3, 730, 644 3, 504, 754 6, 801, 577	38, 049, 402 6, 327, 842 1, 291, 436 1, 600, 708 3, 134, 208

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	,	ALL CLASSES			TORS AND	FIRM	PRINCIPA FICERS TIONS	L SALARI OF COL	ED OF- RPORA-	OTHER SA AND	ALARIED C EMPLOYI			RNERS (AV	
	Total Male Female Total		Total	Male	Fe- male	Total	Male	Fe- male	Total	Māle	Female	Total	Male	Female	
1929 1 1919 1. 4 1914 4 1909	130, 878 150, 479 78, 448 80, 118	118, 318 139, 977 73, 957 76, 342	12, 565 10, 502 4, 491 3, 776	2, 138 4, 195 3, 155 3, 264	2, 030 4, 084 3, 028 3, 178	108 111 127 80	2 2, 488 1, 584 1, 063 1, 094	² 2, 356 1, 506 1, 038 1, 078	² 132 78 25 10	² 11, 422 11, 772 7, 025 6, 640	2 8, 644 8, 984 6, 005 5, 825	2 2,778 2,788 1,020 815	114, 830 132, 928 67, 205 69, 120	* 105, 283 125, 403 63, 886 66, 261	⁸ 9, 547 7, 525 3, 319 2, 859

¹ No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
¹ Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 55; male, 49; female, 6. Other salaried officers and employees—total, 520; male, 332; female, 188. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See General Explanations—Persons Engaged.
¹ Computed by the use of ratios between numbers of male and of female wage earners reported for Dec. 14. See General Explanations—Persons Engaged.
¹ Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

¹ Not including salarled employees.
2 Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
3 Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties").
Certain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.

For statistics by industries for this county, see Table 13.

Adams, Douglas, Grant, and Island Counties. (See footnote 3.)
For statistics by industries for this city, see Table 14.

TABLE 4.-WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average number			NUMBER E	MPLOYED	ON 15TH D	AY OF MOI	NTH OR NE	AREST RE	PRESENTAT	IVE DAY			Per cent
CENSUS YEAR	CENSUS YEAR employed during year	January	Febru- ary	March	April	May	Jun ₆	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of max- imum
1929 \\ 1919 1 \\ 1918 1 \\ 1909 \\ 1909 1 \\ 1900 1 \\	114, 830 132, 928 67, 205 69, 120	98, 865 128, 313 58, 748 54, 719	99, 844 89, 914 62, 691 60, 419	112,066 122,770 69,411 66,778	115, 813 137, 395 73, 351 71, 091	119, 615 141, 028 74, 786 72, 717	119, 985 141, 474 75, 182 72, 159	119, 329 141, 701 72, 998 70, 744	123, 359 146, 135 73, 757 72, 990	124, 392 146, 872 70, 227 73, 617	125, 520 142, 083 64, 047 73, 949	116, 402 133, 821 58, 243 72, 614	102,770 123,630 53,071 67,645	78. 8 61. 2 70. 6 74. 0

¹ The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	of estab-	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	of estab-	Wage earn- ers (average for the year)
All classes	3, 672 352 57 91 24 816	855	45 and over but under 48	1,729 45	3, 878 77, 346 1, 533 2, 450 3, 613 8, 651

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,600. See General Explanations—Establishments Covered—Size]

CLASS	NUMBER OF ESTABLISH- WAGE EARNERS (AVERAGE FOR THE YEAR)						CLASS	NUMBE	R OF EST MENTS	ABLISH-	WAGE EA	RNERS (A	
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments		4, 918	3, 674	114, 830	132, 928	69, 120	101 to 250	172 170 72 22	175 190	149 123	12, 447 26, 929	12, 657 30, 899	10, 969 19, 009
No wage earners	109 1,772 947 403	051 2, 474 959 397	1, 694 1, 019 334	4, 795 10, 264 13, 097	5, 345 10, 924 12, 744	4, 108 11, 750 10, 852	251 to 500 501 to 1,000		44 20 8	30 2 1	23, 424 15, 259 8, 615	14, 822 14, 392 } 31, 145	9, 922 1, 425 1, 085

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS		ER OF E			ARNERS (A		VA	LUE OF PRODY	(CTS	VALUE ADI	DED BY MANU	FACTURE [[]
	1929	1919	1909	1929 1919 1909		1929	1919	1909	1929	1919	1909	
All establishments	3,672	4, 918	3,674	114, 830	132, 928	69, 120	\$795, 561, 861	\$800, 622, 984	\$220, 746, 421	\$367, 148, 835	\$366, 445, 453	\$102, 858, 733
Less than \$5,000 \$5,000 to \$19,999 \$20,000 to \$99,999 \$20,000 to \$49,999 \$50,000 to \$90,999	(2) 1, 347 1, 268 796 472	1, 100 1, 517 1, 330 (3) (3)	902 1, 276 1, 073 (3) (3)	(2) 3, 310 10, 402 4, 774 5, 718	530 3, 606 12, 810 (3) (3)	963 5, 918 18, 671 (3) (3)	(2) 14, 916, 465 58, 683, 136 25, 466, 581 33, 216, 555	2, 884, 381 16, 171, 987 61, 124, 524 (3) (3)	2, 397, 468 13, 824, 059 47, 224, 421 (3) (3)	9, 626, 008 33, 478, 789 15, 347, 288 18, 131, 501	1, 953, 854 10, 282, 117 33, 852, 870 (³)	1, 639, 474 8, 598, 987 26, 287, 103 (3) (3)
\$100,000 to \$499,999 \$100,000 to \$249,999 \$250,000 to \$499,999 \$500,000 to \$999,999	716 495 221 159	673 (3) (8) 163	403	25, 998 13, 231 12, 767 17, 562	26, 962 (3) (3) 21, 908	37, 553	155, 735, 071 77, 834, 848 77, 900, 223 114, 149, 150	148, 750, 550 (3) (8) 112, 442, 853	114, 920, 746	76, 606, 896 39, 471, 172 37, 135, 724 52, 768, 775	71, 145, 504 (³) (³) 58, 925, 958	55, 916, 259
\$1,000,000 and over \$1,000,000 to \$2,499,999 \$2,500,000 to \$4,999,999 \$6,000,000 and over	182 141 28 13	135 (8) (3) (3) (3)	20 (3) (3) (3) (8)	57, 408 32, 520 15, 366 9, 582	67, 112 (3) (3) (3) (3)	6, 015 (3) (3) (3) (3)	452, 078, 039 206, 463, 514 97, 178, 219 148, 436, 306	468, 248, 689 (3) (3) (3)	42, 379, 727 (8) (8) (8) (3)	194, 668, 367 101, 741, 207 52, 210, 728 40, 716, 432	190, 286, 150 (3) (3) (3) (3)	10, 416, 910 (3) (3) (3) (4)

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

1 No data.

1 Not tabulated separately.

Table 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1920 was \$5,000. See General Explanations—Establishments Covered—Size]

TYPE OF OWNERSHIF OR CONTROL, AND OF OPERATION	NUMBER TABLISI			NERS (AV-	VALUE OF	PRODUCTS	VALUE ADDED	
THE OF CHARLES OF CONTROL, AND OF CHARLES	1929	1919	1929	1919	1929	1919	1929	1919
Total	3, 672	4, 918	114, 830	132, 928	\$795, 561, 861	\$800, 622, 984	\$367, 148, 835	\$366, 445, 453
TYPE OF OWNERSHIP OR CONTROL	,							
Corporate ownership or control Other forms of ownership or control (individual, partnership, etc.)	1,872 1,800	1, 913 3, 005	104, 816 10, 014	120, 361 12, 567	740, 908, 431 54, 653, 430	739, 639, 897 69, 983, 087	337, 316, 926 29, 831, 909	329, 471, 376 36, 974, 077
TYPE OF OPERATION								
Central-administrative-office (plural-unit) Independent (single-unit)	377 3, 295	(1) (1)	33, 165 81, 665	(1)	336, 355, 208 459, 206, 653	(1) (1)	118, 789, 322 248, 359, 513	(1) (1)

¹ Not tabulated.

Table 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

		PR	IME MO	ERS AND	ELECTRI	C MOTORS	DRIVE	N BY PU	RCHASEI	ENERGY				
					Prin	ne movers					Electric	motors	TORS BY E	RIC MO- DRIVEN NERGY RATED
	Aggre- gate horse- power	Total horse-	Steam	engines	Steam	turbines		al-com- n engines	and	wheels water bines	drive purc	en by hased ergy	LISH	STAB- MENTS RTING
	814, 891	of prime movers	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power
The State: 1929	814, 891 680, 408 748, 110 683, 073 389, 344	419, 732 346, 678 486, 585 467, 152 304, 391	1, 392 1, 300 2, 410 3, 543 12, 899	193, 560 165, 241 326, 865 402, 007 2 291, 923	188 132 120 86 (³)	206, 758 166, 860 143, 143 51, 299 (3)	150 177 241 536 260	4, 397 4, 476 6, 414 6, 123 3, 162	50 38 54 87 116	15, 017 10, 101 10, 163 7, 723 9, 306	30, 822 23, 623 18, 634 13, 944 6, 005	305, 159 333, 730 261, 525 215, 921 84, 953	13, 498 8, 760 7, 489 3, 052 1, 339	276, 286 166, 951 250, 017 62, 234 27, 532
Seattle-Tacoma Industrial Area (King and Plerce Countles)	293, 088	87, 539	380	40, 049	56	45, 644	30	1, 578	2	268	17, 954	205, 549	2, 700	47, 744
Counties in which aggregate horsepower exceeded 25,000; 1929														
Clallam Clark Cowlitz. Orays Harbor King.	30, 222 59, 197 67, 940 68, 893 156, 544	22, 745 11, 512 62, 340 60, 212 47, 600	33 34 22 149 234	8, 635 5, 517 26, 855 31, 412 17, 662	5 3 18 23 30	8, 800 4, 195 35, 330 28, 761 28, 474	6 1 4 6 24	70 (4) 155 39 1, 464	11 4	5, 240 1, 800	331 1,939 280 885 12,098	7, 477 47, 685 5, 600 8, 681 108, 944	716 123 3, 262 1, 840 1, 423	36, 795 3, 400 73, 407 36, 809 29, 005
Pierce Snohomish Spokane Whatcom	136, 544 60, 604 45, 577 29, 546	39, 939 43, 873 8, 168 15, 061	146 113 70 64	22, 387 19, 968 6, 511 6, 343	26 28 3 7	17, 170 23, 549 1, 580 8, 655	6 22 6 5	114 356 77 63	2	268 (*)	5, 856 1, 336 2, 990 933	96, 605 16, 731 37, 409 14, 485	1, 286 2, 375 60 483	18, 739 28, 540 1, 116 2, 650

Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

Reported as "Steam engines and turbines."

Not reported separately. See footnote 2.

Item for internal-combustion engines included with that for steam engines to avoid disclosing data for a single establishment.

Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

Table 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnotes 3 and 5 on that table]

									
COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors—	COUNTY	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY			Electric motors-
	Aggregate	Prime movers	Electric motors	plant energy 1		Aggregate	Prime movers	Electric motors	plant energy 1
The State	814, 891	419,732	395, 159	276, 286	Lincoln		240	280	
Asotin Benton Chelan Clallam	6, 174 30, 222	100 110 2,944 22,745	427 439 3, 230 7, 477	1, 254 36, 795	Mason Okanogan Pacifie Pend Orelile	9,701 10,874	1,765 1,805 8,999 7,603	5, 643 1, 940 702 3, 271	5, 414 520 2, 760 1, 622
Clark	87 940	263 62, 340 1, 561 42	47, 685 165 5, 000 30 1, 113	73, 407 20	Pierce San Juan Skagit Skamania Snohomish	485	39, 939 454 15, 761 1, 355 43, 873	96, 605 31 5, 961 413 16, 731	18, 739 15 9, 255 28, 540
Garfield. Grays Harbor. Jefferson King.	186	91 60, 212 19, 977 47, 600	95 8, 681 88 108, 944	86, 809 1, 880 29, 005	Spokane Stevens Thurston Wahkfakum Walla Walla	5.444 [8, 168 2, 901 7, 486 363 305	37, 409 2, 543 11, 045 (2) 2, 100	1, 116 120 4, 667 5
Kitsap Kitstías Klickitat Lówis	6, 014 2, 287 5, 383 28, 672	4,890 1,948 4,861 19,376	1, 124 339 522 4, 296	5, 480 3, 258 9, 550	Whatcom Whitman Yakima All other counties	29, 546 705 7, 645 477	15, 001 120 2, 852 110	14, 485 585 4, 793 367	2, 650 5

¹ Horsepower of electric motors driven by energy generated in establishments reporting.
² Item for electric motors included with that for prime movers to avoid disclosing data for a single establishment.

Table 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII,

Volume I, Reports of the Census of Manufactures, 1929]

							·	,	
KIND		19	29	1927 1	1923 1	1919 1	1914 1	1909 1	
			Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel: Coal, total ² (to	ons, 2,000 pounds)		677, 524	\$2,904,063	666, 451	480, 700	647, 907	495, 869	424, 486
Anthracite Bituminou	(tons, 2,240 pounds s (tons, 2,000 pound) s)	2, 350 674, 892	24, 360 2, 879, 694	(3) (3)	14, 611 464, 336	4, 502 642, 865	4, 525 490, 801	6, 268 417, 466
Gasoline and k Gas, natural (N Gas, manufacti	00 pounds) ding crude oils and g erosene (gallons) ⁵ W cubic feet) ured (M cubic feet)		43, 964 71, 199, 227 410, 820 3, 658 213, 321	447, 083 2, 184, 024 66, 638 2, 977 166, 758 1, 451, 110	(4) (4) (4) (5) (6)	(1) (1) (1) (1) (1)	68, 205 72, 775, 500 1, 526, 154 } 215, 511 (4)	60, 355 62, 872, 194 88, 491	47, 42 28, 347, 98 90, 11 (4)
Electric energy pur	rchased (kilowatt-ho	ours)	782, 921, 745	6, 055, 431	(f)	(4)	(1)	(4)	(4)
Total cost of fuel ar	nd purchased energy	y 		⁷ 13, 278, 084	Cost \$11, 301, 736	Cost	Cost \$11, 281, 255	Cost \$5, 256, 599	C'est \$3, 464, 21

¹ No data on cost of fuel, by kinds, were collected for years prior to 1920.
2 Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
3 Not tabulated separately.
4 No data.
3 For years prior to 1920, reported in barrels; converted on basis of 42 gallons per barrel.
5 Data incomplete.
7 The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
5 Not reported separately.

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1929

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

	Num- Sala- Wage earners		HORSEPOWER (RATED CAPACITY) OF POWER EQUIP- MENT		() () () () () () () () () ()		Cost of	Cost of		Velue	
Industry	lish-	ried officers and em- ployees	age for		Electric motors driven by pur- chased energy	Salaries	Wages	materials and con- tainers for products 1	fuel and purchased electric energy	Value of products 1	Value added by manufac- ture ²
All industries, total	3, 672	13,910	114, 830	419, 732	395, 159	Dollars 3 35,904, 583	Dollars 160, 670, 891	Dollars 415, 134, 051	Dollars 13, 278, 975	Dollars 795, 501, 861	Dollars 367, 148, 835
Agricultural implements. Awnings, tents, salls, and canvas covers. Betting, leather. Beverages. Bookbinding and blank-book making. Boots and shoes, other than rubber. Boxes, paper, not elsewhere classified. Boxes, wooden, except cigar boxes. Bread and other bakery products. Brushes, other than rubber. Canning and preserving: Fish, crabs, shrimps, oysters, and clams. Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces. Car and general construction and repairs, electric-railroad repair shops. Car and general construction and repairs, steam-railroad repair shops. Caskets, coffins, burial cases, and other morticians' goods. Cereal preparations. Chese. Chemicals, not elsewhere classified. Clothing, and cigarettes. Clothing (except work clothing), men's, youths', and boys', not elsewhere classified. Clothing, worner's, not elsewhere classified. Confectionery. Cooperage. Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified. Electrical machinery, apparatus, and supplies. Electroplating. Engraving, steal and copperplate, and plate printing. Fanoy and miscellaneous articles, not elsewhere classified. Feeds, prepared, for animals and fowls. Feeds, prepared, for animals and fowls. Fertilizers. Flavoring extracts and flavoring sirups. Flour and other grain-mill products. Food preparations, not elsewhere classified. Forgings, iron and steel, not made in plants operated in connection with rolling mills. Foundry and machine-shop products, not elsewhere classified.	3, 672 4 13 6 49 16 116 116 12 2370 5 5 84 63 72 10 36 7 5 14 6 5 25 9 39 7 24 8 40 11 52 5 80 20 8 4 4 37 33 47 20	8 31 3 3 57 16 16 16 56 43 348 4 15 195 153 297 30 331 20 9 25 51 1 1 93 20 120 69 104 58 183 23 126 89 7 7 16 12 13 8 8 183 8 5 185 18 18 18 18 18 18 18 18 18 18 18 18 18	21 82 11 11 90 87 257 451 2,607 32 59 535 1,122 3,720 4,990 123 21 15 1,066 119 1,213 662 120 15 1,066 119 1,213 602 195 47 300 255 754 51 100 100 201 201 201 201 201 201 201 20	1, 586 82 1, 868 924 458 1, 407 225 2, 305 76 637 1, 325 90 10	65 72 4 115 50 14, 070 1 1, 250 1 1 1, 250 1 1 1, 250 1 1 1, 250 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34,904, 583 19,711 61,540 2,396 104,779 34,391 187,401 128,083 723,722 6,980 38,950 428,550 383,285 638,405 65,272 859,544 71,282 19,480 104,256 (1) 220,640 39,42,330 152,707 342,890 94,374 152,419 127,438 365,759 152,419 127,438 365,759 152,419 127,438 365,759 152,419 127,438 365,759 152,419 127,438 365,759 152,419 127,438 365,759 152,419 127,438 365,759 152,419 127,438 365,759 152,419 127,438 152,419 127,438 153,688 85,826	160, 670, 891 24, 662 108, 080 19, 081 244, 595 99, 804 115, 970 246, 560 440, 053 3, 881, 830 948, 029 2, 967, 861 635, 283 8, 036, 310 148, 513 20, 048 89, 211 195, 625 13, 528 1, 351, 935 166, 782 986, 213 551, 516 255, 394 70, 162 255, 394 70, 162 255, 394 70, 162 255, 394 70, 162 255, 394 70, 162 255, 394 70, 162 257, 394 70, 394 70, 394 70, 394 70, 394 70, 394 70, 394 7	416, 184, 051 96, 375 419, 806 87, 253 568, 711 124, 025 311, 499 723, 678 1, 372, 793 9, 680, 088 74, 009 115, 478 11, 705, 649 8, 714, 313 13, 900, 667 441, 236 7, 582, 309 286, 537 142, 972 1, 015, 519 482, 721 19, 223 467, 190 243, 637 2, 342, 926 1, 029, 153 4, 221, 993 186, 914 4, 993 186, 914 5, 938, 511 1, 274, 677 1, 140, 563 1, 541, 455 912, 771 21, 418 59, 683 41, 016 12, 912, 586 17, 1016 12, 912, 586 17, 1016 12, 912, 586 227, 357 277, 106 88, 988, 809	13, 278, 975 1, 558 3, 101 40, 779 906 40, 779 10, 006 28, 934 421, 012 200, 094 20, 523 342, 621 8, 032 1, 502 15, 924 138, 733 60 653, 001 3, 981 13, 110 11, 970 27, 293 41, 794 48, 391 14, 777 15, 602 16, 823 3, 163	795, 501, 861 270, 464 812, 779 139, 232 1, 381, 747 486, 036 589, 439 1, 374, 441 2, 106, 940 20, 400, 217 155, 853 272, 647 14, 903, 079 12, 202, 094 22, 233, 749 1, 166, 383 16, 846, 373 044, 366 312, 954 1, 378, 003 1, 308, 760 40, 220 3, 638, 597 572, 212 4, 741, 107 2, 973, 885 6, 003, 437 688, 174 1, 387, 790 6, 166, 264 1, 796, 181 2, 088, 938 3, 743, 932 1, 813, 071 133, 415 191, 703 123, 060 15, 333, 076 402, 704 426, 825 45, 568, 806	367, 148, 835 172, 681, 889, 812, 611, 073 772, 287, 366, 675 273, 468 460, 757 765, 219 10, 882, 517 81, 004 165, 224 8, 087, 335 3, 429, 511 8, 132, 458 704, 624 8, 021, 443 349, 717 168, 480 29, 937 2, 518, 406 324, 594 2, 385, 071 1, 333, 762 1, 801, 151 469, 466 881, 221 1, 027, 808 2, 473, 113 934, 298 2, 186, 785 884, 407 108, 834 130, 324 81, 566 2, 382, 585 171, 734 148, 726 6, 844, 811
Flow and other grain-mill products. Food preparations, not elsewhere classified. Forgings, iron and steel, not made in plants operated in connection with rolling mills. Foundry and machine-shop products, not elsewhere classified. Fur goods. Furniture, including store and office fixtures. Gas and electric fixtures; lamps, lanterns, and re-	206 21 65		26 1, 024 85 121 3, 255 198 1, 632	919 10 758 520		18,688 790,660 86,744 02,626 1,847,578 95,932 461,773	36, 823 1, 413, 290 94, 233 173, 369 5, 266, 687 252, 717 1, 915, 670	277, 106 38, 908, 869 926, 665 342, 371 6, 719, 386 462, 338 2, 882, 415	290, 186 15, 033 28, 311 406, 480 5, 518 59, 789	45, 563, 866 1, 331, 464 764, 821	148, 726 6, 364, 811 389, 766 394, 139 11, 302, 432 690, 655 3, 694, 870
Gas and dectric fixtures; jamps, lanterns, and reflectors. Gas, manufactured, illuminating and heating. Glass products (except mirrors) made from purchased glass. Hand stamps and stencils and brands. Hardware not elsewhere classified. House-furnishing goods, not elsewhere classified. Loe cream. Ice, manufactured. Iron and steel: Steel works and rolling mills. Jewelry. Knit goods. Lime. Lithographing. Lumber and timber products, not elsewhere classified Macaroni, spaghetti, vermicelli, and noodles. Machine-tool accessories and small metal-working	11 10 3 8 4 10 54 38 6 13 8 4 7	61 257 1 29 20 16 66 72 110 16 22 20 42 3, 032	184 532 12 37 55 55 403 276 724 66 180 171 163 58, 570	35 1,158 220 321,744	94 695 10 62 121 59 2, 167 7, 181 12, 169 26 81 100 250 71, 690 340	157, 291 375, 479 (1) 37, 598 37, 461 24, 846 168, 950 185, 981 436, 527 22, 661 37, 194 53, 777 148, 121 9, 259, 288	285, 830 696, 784 15, 109 58, 440 48, 428 671, 411 400, 213 1, 364, 842 97, 156, 067 167, 336 277, 708 83, 753, 970	317, 857 822, 130 24, 010 97, 095 69, 019 179, 141 2, 170, 888 101, 843 1, 835, 256 128, 667 295, 877 115, 006 468, 798	5, 761 913, 206 509 2, 577 3, 507 1, 428 106, 149 204, 579 1, 412 5, 825 66, 307 8, 484 1, 274, 731 11, 330	\$98, 253 4, 627, 322 62, 956 246, 285 221, 802 347, 367 4, 517, 128 5, 663, 696 385, 802 583, 145 467, 084 1, 247, 638	574, 635 2, 891, 977 38, 437 146, 613 148, 676 166, 798 2, 240, 091 1, 284, 066 3, 421, 343 225, 723 281, 443 285, 711 775, 356
Machine-tool accessories and small metal-working tools, not elsewhere classified Marble, granite, slate, and other stone products Mattresses and bed springs, not elsewhere classified Meat packing, wholesale Millinery. Millinery. Millinery. Mirrors and picture frames. Mirrors and picture frames. Mirrors, framed and unframed. Models and patterns, not including paper patterns. Motor-vehicle bodies and motor-vehicle parts. Nonferrous-metal alloys and products, not including aluminum products.	11 4 16 9 34 9 34 9 13 18	2 35 11 331 39 2 26 5 50	18 201 90 1, 283 268 14 70 42 229	150	39 2, 428 584 4, 805 25 16 104 190 5, 082	45, 842 (4) 90, 837 28, 104 788, 708 91, 692 (4) 73, 201 7, 920 100, 349 124, 221	23, 654 320, 958 124, 386 1, 750, 187 250, 834 20, 416 138, 544 80, 266 328, 920 283, 391	236, 337 10, 726 274, 982 359, 041 29, 338, 427 415, 759 6, 878 171, 215 39, 697 706, 655 818, 651	11, 930 405 21, 222 7, 545 204, 974 3, 031 5, 213 2, 500 14, 209 20, 042	449, 168 55, 828 822, 286 689, 033 34, 412, 937 882, 802 43, 083 449, 308 212, 986 1, 425, 663 1, 582, 785	200, 901 44, 697 526, 082 322, 447 4, 869, 536 464, 012 35, 651 272, 880 170, 789 704, 739 744, 032

WASHINGTON

Table, 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

	Num- ber of	Sala- ried	Wage earners	HORSEI (RATED C OF POWE ME	APACITY) R EQUIP-			Cost of materials	Cost of	Value of	Value added by
INDUSTRY	estab- lish-	officers and em- ployees	(aver- age for the year)	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	and con- tainers for products 1	purchased electric energy	products 1	manufac- ture 2
Paints and varnishes	11 15 15 16	50 297 188 35	127 2, 774 2, 394 50	} 59,068 100	683 82, 534 126	Dollars 125, 190 911, 147 498, 972 67, 686	Dollars 168, 811 3, 667, 255 3, 648, 961 53, 246	Dollars 865, 265 13, 774, 146 9, 844, 461 325, 109	Dollars 12, 219 2, 104, 276 911, 637 6, 758	Dollars 1, 709, 274 28, 429, 104 18, 664, 992 658, 155	Dollars 831, 790 12, 550, 682 7, 908, 894 326, 288
ments	16	38	92		111	108, 984	214, 413	81, 127	7, 175	623, 563	535, 261
Planing-mill products (including general millwork), not made in planing mills connected with saw-mills Pottery, including porcelain ware. Poultry killing, dressing, and packing, wholesale. Printing and publishing, book and job. Printing and publishing, newspaper and periodical.	129 4 13 199 213	461 3 10 389 2, 181	3,600 13 113 1,061 1,748 35	4, 621	20, 649 37 35 1, 727 3, 479 69	1, 237, 881 4, 200 13, 023 966, 780 4, 729, 560 20, 084	4, 472, 917 14, 167 131, 515 1, 853, 636 3, 480, 638 48, 940	14, 269, 731 3, 845 1, 469, 675 1, 821, 158 3, 862, 277 93, 302	290, 164 1, 789 1, 886 71, 831 143, 196 1, 619	23, 463, 304 47, 180 1, 829, 799 6, 789, 319 21, 093, 525 216, 351	8, 903, 409 41, 546 358, 238 4, 896, 330 17, 088, 052 121, 430
Printing and publishing, newspaper and periodical Pumps (hand and power) and pumping equipment. Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment.	6	3	19		76	3, 526	25, 419	30, 550	585	113, 819	82, 684
hoots and shoes	4	6	28		166	12, 075	28, 510	13, 889	1, 613	103, 904	88, 402
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing	10	11	31		170	30, 900	61, 697	524, 009	6, 951	690, 752	159, 702
establishments. Ship and boat building, steel and wooden, including repair work. Signs and advertising novelties.	53 25	129 47 14	1, 464 151 36	787 80	7, 163 44 264	335, 574 132, 977 33, 730	2, 401, 509 277, 235 47, 792	1, 942, 402 224, 325 412, 566	67, 615 5, 235 2, 946	5, 474, 702 1, 445, 821 509, 941	3, 464, 745 1, 216, 261 154, 429
Sorphing and athletic goods, not including firearms or ammunition. Stationery goods, not elsewhere classified.	8	12	43 22		45 22	22, 620 23, 390	49, 670 29, 062	145, 211 75, 085	1, 451 1, 080	316, 515 153, 078	169, 858 76, 913
steam and other packing, pipe and boller covering, and gaskets, not elsewhere classified.	3	6	18		38	14, 840	26, 531	48, 519	2, 757	116, 709	65, 433
Stereotyping and electrotyping, not done in printing establishments. Stoves and ranges (other than electric) and warm-	. 4	9	21		168	21, 262	62, 850	15, 047	2, 905	141, 451	123, 499
air furnaces	_ 17	73	329		469	158, 583	426, 484	607, 698	18, 747	1, 404, 417	967, 972
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills.	_ 18	78	429	60	5, 105	236, 944	653, 625	960, 656	33, 778	2, 393, 940	1, 399, 512
rolling mills Surgical and orthopedic appliances, including artificial limbs Tin cans and other tinware, not elsewhere classified	_ 4		14 453		12 1, 984	93,077	17, 845 549, 497	15, 052 6, 013, 549	59, 991	60, 322 8, 213, 500	45, 008 2, 140, 050
Tools, not including edge tools, machine tools, mes,	. 6	1			96	67,008	38, 520	60, 693	2, 290	255, 086	192, 703
Toys (not including children's wheel goods or sleds), games, and playground equipment Trunks, suitcases, and bags	- 7	15 12	90	25	47 42 554	7, 700 41, 017 22, 140	22, 760 124, 129 37, 764	27, 518 166, 079 203, 453	943 2, 687 12, 611	73, 784 458, 272 408, 325	45, 323 289, 506 192, 261
Vinegar and cider Wall plaster, wall board, insulating board, and floor composition Window shades and fixtures. Wood preserving Wood turned and shaped and other wooden goods, not elsewhere classified.	7 8 12	1 6	31	1, 320	831 216 1, 529	103, 156 5, 438 183, 366	134, 070 .39, 064 734, 911	374, 577 97, 604 5, 336, 472	17, 733 989 78, 986	929, 445 188, 024 8, 074, 312	537, 135 89, 431 2, 658, 854
Wood turned and shaped and other wooden goods, not elsewhere classified	- 9 160			200 10, 740	1, 120 62, 543	66, 015 3, 075, 854	164,774 9,812,760	318, 380 72, 989, 102	8, 272 2, 737, 098	700, 715 106, 760, 198	374, 063 31, 033, 998

¹ The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General Explanations—Duplication in Cost of Materials and Value of Products.

² Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

² Not including data for 575 employees of central administrative offices, with salaries aggregating \$2,085,950. See General Explanations—Persons Engaged.

³ Not including data for 575 employees of central administrative offices or employees; included in item for "Other industries."

TABLE 13.—GENERAL STATISTICS FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for the Seattle-Tacoma Industrial Area (see General Explanations—Industrial Area) and for each important industrial county, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

INDUSTRY 6	lish-		Wage earners (average for the year)	(RATEI ITY) OF EQUI	POWER DCAPAC- POWER PMENT Electric motors driven by pur- chased energy	Salaries	Wages	Cost of ma- terials and containers for prod- ucts a	Cost of fuel and purchased electric energy	Value of products a	Value added by manu- facture b
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SEATTLE-TACOMA INDUSTRIAL AREA

[This area comprises King and Pierce Counties. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes 1 and 3), and therefore are slightly smaller than the sums of the items for the individual industries]

			-	d							
All industries, total	1,757	7, 635	47, 449	87, 539	205, 549	\$19, 756, 280	\$66, 055, 354	\$221, 510, 088	\$6, 308, 542	\$389, 775, 019	\$161, 956, 380
Awnings, tents, sails, and canvas covers	10	23	63 60		44	46, 106	83, 699	288, 822	1, 736	590, 899	300, 341
Bookbinding and blank-book making	17	6	60 34	15	275 40	38, 137 16, 186	97, 246 42, 444	195, 274 37, 094	11,054	478, 473 168, 241	272, 146 129, 560
Boxes, wooden, except eigar boxes Bread and other bakery products	191	17 212	216 1,544	1,091 28	154 2, 389	60, 258	188, 330	419, 176	2.548		362, 480 6, 468, 240
Brushes, other than rubber 1	5	15	59		74	460, 625 38, 950	2, 370, 671 48, 638	5, 731, 215 115, 478	227, 469 1, 945	12, 426, 930 272, 647	6, 468, 246 155, 224
Canning and preserving: Fish, crabs, shrimps.	10	28	50	65	740	55, 434	78, 271	115, 478 1, 495, 572	13, 669	1, 718, 862	209, 621
oysters, and clams !	. 13	21	96		505	60, 706	120, 772	1, 199, 898	15, 235	1, 596, 734	381,601
pickles, jellies, preserves, and sauces	25	130	1, 173		1,022	297, 541	928, 373	5, 320, 120	58, 534	8, 313, 008	2, 934, 354
Caskets, collins, burial cases, and other morticians'	. 3	8	42		1 '	17, 898	1 '		i '		
Chemicals, not alsowhere closefued	1 6		120	225	1, 545 4, 785	104, 256	49, 506 195, 625	87, 990 482, 721	2, 595 138, 733	146, 684 1, 308, 760	56,000 687,306
refractories	8	32	495	494	2,851	73, 495	656, 300	173, 657	271, 264	i ·	
Clothing, women's, not elsewhere classified.	35 17	109 92	1,034 176		290	329, 537	866, 242	2, 116, 467 3, 867, 588	10, 948	1, 518, 300 4, 193, 791 5, 580, 374	1, 073, 388 2, 066, 376 1, 688, 791 544, 439
Concrete products	23 36	28	203	10	479 699	315, 694 68, 875	232, 312 286, 906	275, 945	23, 995 9, 727	5, 580, 374 830, 111	1, 688, 791 544, 439
Conjectionery	36		558 338	825	1,005 1,206	305, 861 60, 226	286, 906 525, 784 437, 931	1, 774, 658 893, 781	31,091	3, 700, 410	1.094.001
Copper, tin, and sheet-iron work, including galva-	-0	1	1	li .	'		ļ.		14,077	1, 566, 358	658, 500
Eugraving, steel and copperplate, and plate printing	53 4	92 16	465 39	90	480 31	293, 120 32, 014	749, 271 64, 071	1, 095, 544 59, 683	11, 354 1, 696	2, 699, 747 191, 703	1, 502, 849 130, 324
Foods, prepared, for animals and fowls. Fertilizers	18	87	302 24	75	3, 775	32, 014 187, 120	1 395, 232	9, 202, 002	51, 241	10, 939, 384	1 686 141
Flavoring extracts and flavoring sirups	3	8	26 670		115 50	34, 330 18, 688	23, 645 36, 823 936, 846	9, 202, 002 227, 357 277, 106	3, 613 993	10, 939, 384 402, 704 426, 825	171, 734 148, 726 4, 060, 632
Food preparations, not elsewhere classified	11 14	263 37	670 67	10	9, 902 216	496, 974 63, 055	936, 846 72, 956	26, 696, 883 710, 070	146, 426 8, 788	30, 903, 941	4, 060, 632
Clay products (other than pottery) and nonclay refractories Clothing, women's, not elsewhere classified Coffee and spice, roasting and grinding Concrete products Confectionery Copper, copperage Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified Engraving, steel and copperplate, and plate printing Feeds, prepared, for animals and fowls. Fertilizes Flavoring extracts and flavoring sirups Flour and other grain-mill products Food proparations, not elsewhere classified Foundry and machine-shop products, not elsewhere classified Furniture including structure including	135		ì	538		İ	i I			1,003,110	284, 252
Fur goods	10	445 23 165	2, 297 125	II .	10, 770 49	1, 310, 311 74, 521	3, 820, 000 108, 755	5, 086, 174 305, 551	282, 407 2, 761	13, 772, 709 791, 412	8, 404, 128 483, 100
Glass products (except mirrors) made from pur-	54	165	1, 506	520	4, 275	427, 870	108, 755 1, 772, 201	305, 551 2, 641, 578	2, 761 52, 440	6, 103, 715	8, 409, 697
chased glass	3	1	12		10	(2) 36, 601	15, 109	24, 010	509	62, 956 202, 387	38, 437
House-furnishing goods, not elsewhere elassified	4 10	28 16	30 55		48 59	36, 601 24, 846	51, 453 64, 488	87, 703 179, 141	2, 094 1, 428	202, 387 347, 367	38, 437 112, 590 166, 798
Ice cream	18 12	29	258 90	35 543	1, 285	85, 149 65, 746	424, 795	1, 288, 778 30, 537	56, 412	2, 709, 518	1, 364, 328
Lithographing 1	17	28 42	163		2, 376 250	148, 121	143, 872 277, 708	30, 537 463, 798	70, 372 8, 484	594, 740 1, 247, 638	493, 831 775, 356
classified Fur goods Furniture, including store and office fixtures. Glass products (except mirrors) made from purchased glass Hand stamps and stenoils and brands House-furnishing goods, not elsewhere classified Lee cream Lee, manufactured Lithographing ' Lumber and timber products, not elsewhere classified Marblo, granite, slate, and other stone products.	139	830	14, 831	69, 853	35, 508	2, 516, 018	10 048 005	22 286 863	599, 496	62, 019, 032	39, 152, 673
Marble, granite, slate, and other stone products	8	18	147 67		1, 907	55, 157 20, 185	236, 551 87, 778 978, 569	22, 266, 863 231, 900	12, 762 5, 161	602, 164	357, 502
Meat packing, wholesale	11	193	727	290	459 1, 975	488, 094	978, 569	251, 785 18, 283, 380	91. 149 I	510, 803 21, 116, 204	253, 857 2, 741, 675
Mirror and picture frames	9	39 2	268 14		25 16	91, 692	1 250.834 1	415, 759 6, 878	3,031	21, 116, 204 882, 802	464, 012
Mirrors, framed and unframed a	8 15	20 43	70 206		104	(2) 73, 201	20, 416 138, 544	171, 215	554 5, 213	43, 083 449, 308	464, 012 35, 651 272, 880
Nonferrous-metal alloys and products, not includ-	. 10				5, 009	82, 321	291,601	660, 430	12, 361	1, 298, 834	626, 043
fied. Marblo, granite, slate, and other stone products	· 19	43 24	173 26		791 35	124, 221 50, 196	283, 391 29, 352	818,651 122,126	20, 042	1, 582, 785 322, 051	744, 092
Photo-engraving, not done in printing establish-	11			1					1, 215		198,710
nents. Planing-mill products (including general millwork), not made in planing mills connected with saw-mills	11	33	72		81	97, 135	179, 803	69,465	5, 973	533, 464	458, 026
not made in planing mills connected with saw-	62	213	1,539	1,205	10, 151	603, 526	9 159 040	= EDD 000	774 040		
Pottery, including percelain ware	4	3	13		37	4, 200	2, 153, 040 14, 157 1, 300, 866	5, 582, 332 3, 845	114, 243 1, 789 47, 058	9,847,047 47,180	4, 150, 472 41, 546
Printing and publishing, newspaper and periodical	127 81	281 1, 153	736 900		$1,250 \\ 1,399$	724, 986 2, 841, 439	1, 300, 866 1, 979, 051	1, 268, 241 2, 700, 089	47,053 56,885	47, 180 4, 878, 507 12, 642, 909	3,563,213
Printing and publishing, book and job. Printing and publishing, book and job. Printing and publishing, nowspaper and periodical. Pulp (wood and other fiber). Rubber goods, other than tires, inner tubes, and boots and shoes	3	23	378	41,380	19,173	57, 926	335, 683	879, 895	116, 215	2, 198, 647	9,885,935 1,202,537
boots and shoes	4	6	28		166	12,075	28, 510	13,889	1,613	103, 904	88,402
sausage casings, not made in meat-packing estab-		- 1	ĺ		ľ		1		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,
Ship and hoat building steel and wooden including	5	8	21		119	24, 400	44,965	372,675	3,993	485, 260	108,592
Rubber goods, other than tires, inner tubes, and boots and shoes. Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments. Ship and boat building, steel and wooden, including repair work. Signs and advertising novelties. Sporting and athletic goods, not including firearms or ammunition! Stationery goods, not elsewhere classified. Stoves and ranges (other than electric) and warmair furnaces.	40	111	1,284	371	6,619	298, 878	2, 144, 127	1,714,618	56, 366	4,861,328	
Sporting and athletic goods, not including firearms	19	45	132		37	129, 777	249, 379	197, 129	5, 235	1,301,073	3,090,344 1,098,709
or ammunition 1	8	12	43		45	22, 620	49,670	145, 211	1,451 1,080	316, 515	169,853
Stoves and ranges (other than electric) and warm-	3	9	22		22	23, 390	29,062	75, 085	1,080	316, 515 153, 078	76,913
air furnacesStructural and ornamental iron and steel work not	14	66	282		381	139, 788	866, 655	450,010	14,973	1,318,868	853,885
Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills											
INP HITTIDECESSESSESSESSESSESSESSESSESSESSESSESSES	14	69	379 H	60	5,046	214, 844	564,960	886, 501	30,918	2, 154, 854	1,237,435
See footnotes at end of this section, p. 547.											

TABLE 13.—GENERAL STATISTICS FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

	Num-	Sala- ried	Wage	(RATEI ITY) OF EQUII	POWER CAPAC- POWER PMENT			Cost of ma-	Cost of fuel and		Valueadded		
INDUSTRY	IISII-	officers and em- ployees	earners (average for the year)	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	terials and containers for prod- ucts ^a	purchased electric energy	Value of products •	by manu- facture b		
SEATTLE-TACOMA INDUSTRIAL AREA—Continued													
Toys (not including children's wheel goods or sleds), games, and playground equipment. Trunks, suitoases, and hags. Wall plaster, wall board, insulating board, and	3 7	4 15	32 90		47 42	\$7,700 41,017	\$22, 760 124, 129	\$27, 518 166, 079	\$943 2, 687	\$73, 784 458, 272	\$45,323 289,506		
Window shades and fixtures 1	7 8	30 6	108 31		831 216	103, 156 5, 438	134, 070 39, 064	374, 577 97, 604	17, 733 989	929, 445 188, 024	537, 135 89, 431		
Wood turned and shaped and other wooden goods, not elsewhere classified. Other industries	6 331	16 2, 069	100 12,364	200 9,616	775 71, 521	64,615 5,212,254	134, 969 17, 704, 216	301, 128 90, 174, 476	4, 519 3, 536, 237	632, 635 140, 383, 269	326, 988 46, 672, 556		

See General Explanations—Duplication in Cost of Materials and Value of Products.

b Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

GRAYS HARBOR COUNTY

149	639	10,854	60, 212	8, 681	\$2, 276, 551	\$16, 867, 809	\$29, 399, 614	\$434, 989	\$64, 480, 750	\$34, 646, 147
3 14	2 10	7 97		6 141	(5) 22, 014	11, 544 144, 270	16, 115 305, 864	1, 937 12, 526	40, 540 629, 627	22, 488 311, 237
. 10	20	119	97	68	20, 087	57, 971	339, 671	3, 603	560, 772	217, 498
. 5	4	23		7	6, 894	42, 059	52, 933	375	148, 686	95, 378
. 10	29	92		704	79, 874	186, 302	120, 237	21, 316	432, 532	290, 979
. 58	378	9, 165	49, 147	3, 748	1, 599, 461	14, 535, 242	24, 092, 282	117, 401	53, 343, 490	29, 133, 807
11 3	29 3 55 109	319 8 67 957	545 10, 423	1, 524 9 168 2, 306	87, 483 10, 329 149, 694 292, 215	419, 667 10, 890 126, 427 1, 333, 437	1, 464, 465 11, 151 61, 678 2, 935, 218	32, 652 751 7, 709 236, 719	2, 206, 980 47, 360 568, 411 6, 442, 352	760, 863 35, 458 490, 024 3, 270, 415
	3 14 10 5 10 58 11 3 8	3 2 14 10 10 20 5 4 10 29 58 378 11 29 3 3 8 55	3 2 7 14 10 97 10 20 119 5 4 23 10 29 02 58 378 9,105 11 29 319 3 3 8 8 55 67	3 2 7 14 10 97 10 20 119 97 5 4 23 10 29 92 58 378 9,105 49,147 11 29 319 545 8 55 67	3 2 7	3 2 7	3 2 7 6 (4) 11,544 11,544 144,270 10 20 119 97 68 20,087 57,971 5 4 23 7 6,894 42,059 10 29 92 704 79,374 186,302 58 378 9,105 49,147 3,748 1,599,461 14,535,242 11 29 319 545 1,524 87,483 419,697 3 3 8 9,105 1,524 10,329 10,329 10,890 8 55 67 168 149,694 125,427	3 2 7 6 (5) 11, 544 16, 115 14 10 97 141 22, 014 144, 270 305, 804 10 20 119 97 08 29, 087 57, 971 339, 971 5 4 23 7 0, 804 42, 059 52, 933 10 29 92 704 70, 374 186, 302 120, 237 58 378 9, 105 49, 147 3, 748 1, 599, 401 14, 535, 242 24, 002, 282 11 29 319 545 1, 524 87, 483 419, 667 1, 464, 405 3 3 8 9 10, 329 10, 890 11, 151 3 55 67 168 149, 694 129, 427 691, 978	149	149 639 10,854 60,212 8,881 82,270,301 310,804,805 422,014 11,544 16,115 1,937 40,540 14 10 97 141 22,014 144,270 305,864 12,626 629,627 10 20 119 97 68 20,087 57,971 339,071 3,003 500,772 5 4 23 7 0,894 42,059 52,933 375 148,686 10 29 92 704 79,374 186,302 120,237 21,316 432,532 58 378 9,165 49,147 3,748 1,599,461 14,535,242 24,092,282 117,401 53,343,490 11 20 310 545 1,524 87,483 410,667 1,464,465 32,652 2,206,980 11 20 310 545 1,524 87,483 410,667 1,464,405 32,652 2,206,980 8 55 67

[&]amp; Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 6 and 8), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	1,342	5, 691	20, 167	47, 600	108, 944	\$14, 823, 647	\$41,785,582	\$117, 382, 363	\$3,720,632	\$228, 354, 787	
Beverages Bookhinding and blank-book making 4	13 11	12 6	31 34		100 40	17, 844 16, 186 52, 335	52, 216 42, 444 55, 304	104, 101 37, 094 175, 863	5, 097 1, 581 2, 018	255, 851 168, 241 838, 222	146, 653 129, 566 160, 341
Boots and shoes, other than rubber	10	11 47 176 14	207 1, 210	28 25	54 205 1,741 613	138, 790 411, 463 34, 624	206, 549 1, 923, 819 38, 902	643, 958 4, 736, 293 967, 314	7, 560 183, 888 8, 844	1, 179, 808 10, 417, 523 1, 082, 964	528, 290 5, 407, 342 100, 800
Butter———————————————————————————————————	13	21	96	20	505	60, 706	120,772	1, 199, 898	15, 235	1, 596, 734	381, 601
Canning and preserving: Fruits and vegetables; pickles, jollies, preserves, and sauces	18	68	506		292	162, 791	429, 417	2, 407, 142	27,833	3, 722, 700	1, 287, 734
Olay products (other than pottery) and nonclay re- fractories ⁶ Coffee and spice, roasting and grinding		32 81 19	495 154 168	494	2, 851 392 415	73, 495 278, 036 44, 955	656, 300 205, 684 240, 328	173, 057 3, 302, 676 215, 770	271, 264 20, 827 7, 203	1, 518, 309 4, 931, 872 645, 165	1, 073, 388 1, 518, 369 422, 192 1, 513, 829
Concrete products	30	110	449		794	226, 240	426, 868	1, 511, 002	24, 288	3, 049, 119 2, 177, 432	la desira
opper, tin, and succe-iron work, including garvanized iron work, not elsewhere classified	39 14	74 82	375 272	90	837 421	258, 760 206, 800	598, 066 330, 103	886, 887 871, 848	9,306 14,186	1, 703, 523	1, 281, 239 817, 489
Engraving, steel and copperplate, and plate print- ing 6	10	16 52	39 230		31 2,078	32, 014 102, 623	288, 411	59, 683 6, 560, 891	1,696 37,696 3,613	191,703 7,869,689 402,704	130, 324 1, 271, 102 171, 734
Flavoring extracts and flavoring sirups	. 3	13 8 29	24 26 48	75 10	115 50 169	34, 330 18, 688 41, 355	36, 823	227, 357 277, 106 514, 567	993 6, 563	426, 825 730, 049	148, 726 208, 919
Food preparations, not elsewhere classified. Foundry and machine-shop products, not elsewhere classified.		348 23	1,845 125	433	8, 594 49	1,081,389 74,521	168,755	3, 992, 856 305, 551	198, 908 2, 761	11,094,680 791,412	6,902,916 483,100 1,722,480
Fur goods Furniture, including store and office fixtures	38	92	700		2, 222	231, 891		1, 282, 806		3, 034, 261	1 ' '
Glass products (except mirrors) made from pur- chased glass	. 3	1 16	12 55		10 59	(7) 24, 846	15, 109 64, 488	24, 010 179, 141		62,956 347,367	38, 437 166, 798

See footnotes at end of this section, p. 548.

¹ The items for each of the 5 industries covered by this footnote include data for 1 establishment located outside the area, to avoid disclosing the figures reported by the establishments in question.

2 Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

3 The figures for 2 establishments located outside the area have been included in the items for the "Mirrors, framed and unframed" industry to avoid disclosing the data reported by these establishments.

4 Includes item for "Paper" industry.

All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

TABLE 13.—GENERAL STATISTICS FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

***************************************			1000				····				
	Num-	rieu	wage	(RATE	EPOWER D CAPAC- F POWER PMENT	·		Cost of materials and	Cost of fuel and	Value of	Valueadded
INDUSTRY	estab- lish- ments	anu	for the	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	containers for prod- ucts 4	purchased electric energy	products a	by manu- facture
			KING	COUN	TY—Cor	tinued					
Ice cream Lee, manufactured Jewelry Lumber and timber products, not elsewhere classi-	12 8 9	21 19 14	219 70 54	35 543	942 1, 629 21	\$67, 113 43, 825 20, 872	\$362, 930 114, 118 81, 982	\$1,096,250 19,414 114,009	\$47, 748 57, 334 966	\$2, 218, 317 456, 730 310, 714	\$1, 074, 310 379, 982 194, 839
fied Marble, granite, slate, and other stone products Milinery Mirror and picture frames Nonferrous-metal alloys and products, not including	71 4 9 3	391 11 39 2	6, 611 44 268 14	37, 108	12, 426 437 25 16	1, 049, 432 27, 679 91, 692 (7)	9, 171, 539 74, 702 250, 834 20, 416	10, 955, 067 99, 724 415, 759 6, 878	194, 412 3, 328 3, 031 554	28, 415, 685 240, 606 882, 802 43, 083	17, 266, 206 146, 554 464, 012 35, 651
Nonferrous-metal alloys and products, not including aluminum products. Patent or proprietary medicines and compounds full products (including general millwork), not made in planing mills connected with saw-	16 9	40 24	165 26		769 35	117, 939 50, 196	265, 772 29, 352	770, 169 122, 126	18, 875 1, 215	1, 501, 410 322, 051	712, 366 198, 710
mills Pottery, including porcelain ware. Printing and publishing, book and job- Printing and publishing, newspaper and periodical. Rubber goods other than tires, inner tubes, and boots and shoes.	35 4 102 85	89 3 226 956	573 13 616 710	280	3, 063 37 1, 032 1, 072	297, 544 4, 200 604, 143 2, 436, 093	861, 595 14, 157 1, 120, 093 1, 550, 238	2, 347, 819 3, 845 1, 055, 559 2, 302, 597	41, 309 1, 789 38, 769 43, 807	4, 074, 523 47, 180 4, 180, 538 10, 618, 690	1, 685, 395 41, 546 3, 086, 210 8, 272, 286
sage casings, not made in meat-packing establish-	4	6	28		186	12, 075	28, 510	13, 889	1,613	103, 904	88, 402
ments Ship and boat building, steel and wooden, including repair work Sporting and athletic goods, not including firearms	5 30	8 98	21 1, 144	365	119 5, 644	24, 400 274, 931	44, 965 1, 919, 664	372, 675 1, 372, 260	3, 993 53, 171	485, 260 4, 134, 246	108, 502 2, 708, 815
sporting and athieuc goods, not including hrearms or ammunition s. Trunks, suitcases, and bags	8 7	12 15	43 90		45 42	22, 620 41, 017	49,670 124,129	145, 211 166, 079	1, 451 2, 687	316, 515 458, 272	169, 853 289, 506
floor composition Other industries	398	30 2, 343	108 11, 213	8, 334	831 58, 419	103, 156 5, 913, 635	134, 070 15, 531, 607	374, 577 64, 893, 883	17, 733 2, 311, 668	929, 445 110, 998, 782	537, 135 43, 793, 231

PIERCE COUNTY

								1	,	,	
All industries, total	415	1, 944	18, 282	39, 930	96, 605	\$4, 932, 633	\$24, 269, 772	\$104, 127, 725	\$2, 587, 910	\$161, 420, 232	\$54, 704, 597
Beverages Bread and other bakery products Butter Canning and preserving: Fruits and vegetables;	4 45 5	11 36 14	29 334 23	15 40	115 648 127	20, 293 49, 162 20, 810	45, 030 446, 852 39, 369	91, 173 994, 922 528, 258	5, 957 43, 581 4, 825	222, 622 2, 009, 407 635, 898	125, 492 970, 904 102, 815
pickles, jellies, preserves and sauces. Coffee and spice, roasting and grinding. Concrete products. Confectionery. Copper, tin, and sheet-fron work, including galva-	15	67 11 9 26	667 22 35 109	10	730 87 284 211	134, 750 37, 658 23, 920 79, 621	498, 956 26, 628 46, 578 98, 916	2, 912, 978 474, 912 60, 175 263, 656	30, 701 3, 168 2, 524 6, 803	4, 590, 299 648, 502 184, 946 651, 291	1, 646, 620 170, 422 122, 247 380, 832
nized-iron work, not elsewhere classified	14 8 3	18 35 8	90 72 19		143 1, 697 47	34, 360 84, 497 21, 700	151, 205 106, 821 21, 503	208, 657 2, 641, 111 195, 503	2, 048 13, 545 2, 225	522, 315 3, 069, 695 273, 061	311, 610 415, 039 75, 333
classified. Furniture, including store and office fixtures. Ice cream Ice, manufactured Lumber and timber products, not elsewhere clas-	23 16 6 4	97 73 8 9	452 806 39 20	105 520	2, 176 2, 053 343 747	228, 022 195, 979 18, 036 21, 921	731, 543 816, 783 61, 865 29, 754	1,093,318 1,358,772 192,528 11,123	83, 499 23, 465 8, 664 13, 038	2, 678, 029 3, 069, 454 491, 201 138, 010	1,501,212 1,687,217 290,009 113,849
sified	68 4	439 7	8, 220 103	32, 745	23, 082 1, 470	1, 466, 586 27, 478	10,776,556 161,849	11, 311, 796 132, 176	405, 084 9, 434	33, 603, 347 352, 558	21, 886, 467 210, 948
aluminum products. Planing-mill products (including general millwork),	3	3	8		22	6, 282	17,619	48, 482	1, 167	81, 375	31,726
not made in planing mills connected with sawmills. Printing and publishing, book and job. Printing and publishing newspaper and periodical. Pulp (wood and other fiber). Ship and boat building, steel and wooden, including	25 16 3	124 55 197 23	966 120 190 378	925	7, 088 218 327 9, 173	305, 982 120, 843 405, 346 57, 926	1, 291, 445 180, 773 428, 813 335, 683	3, 234, 513 212, 682 397, 492 879, 895	72, 934 8, 284 13, 078 116, 215	5, 772, 524 697, 969 2, 024, 219 2, 198, 647	2, 465, 077 477, 003 1, 613, 649 1, 202, 537
repair workOther industries	10 104	13 661	140 5, 440	4, 193	975 44, 842	23, 947 1, 546, 614	224, 463 7, 730, 768	342, 358 76, 541, 245	3, 195 1, 714, 476	727, 082 96, 777, 781	381, 529 18, 522, 060

[•] Includes item for "Paper" industry. All figures for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

See General Explanations—Duplication in Cost of Materials and Value of Products.
 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See
 General Explanations—Profits and Production Costs.
 The items for each of the five industries covered by this footnote include data for 1 establishment located outside the county, to avoid disclosing the figures reported by the establishments in question.
 Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."
 The figures for 2 establishments located outside the county have been included in the items for the "Sporting and athletic goods, not including firearms or ammunition" industry to avoid disclosing the data reported by these establishments.

TABLE 13.—GENERAL STATISTICS FOR THE SEATTLE-TACOMA INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

			n oodj	000 40 110							
INDUSTRY		Sala- ried officers and em- ployees	Wage earners (average for the year)	(BATED	CAPAC- POWER MENT Electric motors driven by pur- chased energy	Salaries	Wages	Cost of ma- terials and containers for prod- ucts ^a	Cost of fuel and purchased electric energy	Value of products •	Valueadded by manu- facture b
	,		sp	OKANE	COUNT	Ϋ́				,	
All industries, total	316	1, 632	8, 051	8, 168	37, 409	\$3,677,652	\$10, 632, 736	\$38, 085, 654	\$1, 261, 023	\$65, 153, 181	\$25, 806, 504
Beverages Boxes, wooden, except cigar boxes Bread and other bakery products Butter. Canning and preserving: Fruits and vegetables;	7 4 35 9	6 13 70 47	29 114 377 84	18 100 3 80	351 809 583 445	13, 250 44, 695 140, 280 90, 447	43, 905 123, 506 526, 350 109, 100	137, 989 467, 189 1, 517, 072 1, 974, 957	6, 708 12, 419 74, 355 24, 515	336, 381 081, 917 3, 406, 240 2, 529, 739	191, 684 202, 309 1, 814, 818 530, 267
Clay products (other than pottery) and nonclay refractories	6	19 22 7 28	29 202 26 141	1, 206 51	74 150 129 213	40, 680 50, 716 12, 406 65, 300	41, 532 225, 033 30, 300 127, 322	253, 945 49, 753 45, 095 364, 301	4, 101 78, 079 2, 883 12, 391	458, 833 502, 129 121, 877 754, 603	200, 787 374, 297 78, 899 377, 911
Confectionery Conper, tin, and sheet-iron work, including gal- vanized-iron work, not elsewhere classified Electrical machinery, apparatus, and supplies Flour and other grain-mill products Foundry and machine-shop products, not elsewhere classified	9 3 4	23 4 52	64 9 168		56 27 1,849	57, 250 11, 055 125, 932	109, 309 11, 434 229, 140	242, 101 24, 023 6, 436, 230	1,787 1,037 55,849	546, 722 58, 148 7, 444, 561	302, 834 33, 088 952, 482
classified Fur goods Furniture, including store and office fixtures. Ice cream Lumber and timber products, not elsewhere classified	7	64 10 14 9 4	349 60 60 65 46		1,350 20 79 212 980	238, 784 19, 411 23, 655 20, 993 11, 856	488, 569 69, 132 75, 185 106, 754 56, 849	796, 966 131, 452 182, 766 357, 851 6, 226	1,839	1, 825, 956 300, 650 357, 550 643, 625 193, 000	990, 837 167, 359 172, 953 270, 088 158, 948
Lumber and timber products, not elsewhere classi- fied. Marble, granite, slate, and otherstone products. Planing-mill products (including general millwork), not made in planing mills connected with saw-	13 4	105 11	1,311 19	3, 563	3, 53 3 174	285, 592 21, 200	1, 637, 957 27, 227	1, 933, 321 23, 479	1	5, 496, 889 85, 056	3, 524, 400 58, 209
mills Printing and publishing, book and job. Printing and publishing, newspaper and periodical Wood preserving. Other industries.	29 12 3	99 58 513 16 443	185	1,890 125 1,132	5, 905 225 707 634 18, 904	252, 472 111, 828 867, 077 44, 655 1, 128, 118	1, 176, 270 262, 371 465, 698 263, 717 4, 425, 986	5, 186, 001 255, 847 550, 190 2, 342, 680 14, 806, 220	21, 965	7, 615, 386 896, 058 3, 865, 615 2, 968, 389 24, 063, 857	2,341,760 629,939 3,293,460 607,620 8,536,560

See General Explanations—Duplication in Cost of Materials and Value of Products.
 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929

[This table presents, for each important industrial city in the State, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately? separately]

Nur ber Industry esta lish men	officers and em-	age for the year)	Prime d movers by	APAC- OWER ENT lectric lotors iriven	Wages	Cost of materials and containers for products	Cost of fuel and purchased electric energy	Value of products ^a	Value added by manufac- ture ^b
--	------------------------	-------------------------	----------------------	---	-------	---	--	--------------------------------	--

SEATTLE

[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 1, 2, and 4), and therefore are slightly smaller than the sums of the items for the individual industries]

											
All industries, total	1, 219	5, 199	23, 003	25, 271	01, 009	\$13, 591, 062	\$33, 347, 697	\$105, 507, 442	\$2, 905, 983	\$199, 810, 372	\$01, 396, 947
Beverages ! Book binding and blank-book making * Boots and shoes, other than rubber. Boxes, paper, not elsewhere elassified Bread and other bakery products. Butter * Canning and preserving: Fish, crabs, shrimp, ove-	l a	12 6 11 47 175 14	31 34 45 207 1, 187 27	28 25	160 40 54 205 1,694 613	17, 844 16, 186 52, 335 138, 790 410, 423 34, 624	52, 216 42, 444 55, 304 200, 549 1, 891, 793 38, 902	104, 101 37, 094 175, 863 643, 958 4, 644, 971 967, 314	5, 097 1, 581 2, 018 7, 560 179, 093 8, 844	255, 851 168, 241 838, 222 1, 179, 808 10, 234, 376 1, 082, 964	146, 653 129, 566 160, 341 528, 290 5, 410, 312 106, 806
Canning and preserving: Fish, crabs, shrimp, oysters, and clams ¹ Office and spice, roasting and grinding. Confectionery ¹ Copper, tin, and sheet-iron work, including galvan-	. 55	21 81 110	96 154 449		505 392 794	60, 706 278, 036 226, 240	120, 772 205, 684 426, 868	1, 199, 898 3, 392, 676 1, 511, 002	15, 235 20, 827 24, 288	1, 596, 734 4, 931, 872 3, 049, 119	381, 601 1, 518, 369 1, 513, 829
Copper, tin, and sheet-iron work, including galvan- ized-iron work, not elsewhere classified Electrical machinery, apparatus, and supplies Engraving, steel and copperplate, and plate print-	14	74 82	375 272	90	337 421	258, 760 206, 809	598, 066 330, 108	886, 887 871, 848	9, 306 14, 186	2, 177, 432 1, 703, 523	1, 281, 239 817, 489
ing Peeds, prepared, for animals and fowls I. Flavoring extracts and flavoring sirups. Foundry and machine-shop products, not elsewhere	10 3 11	16 52 8 29	39 230 26 48	10	2, 078 50 169	32, 014 102, 623 18, 688 41, 355	64, 071 288, 411 36, 823 51, 453	59, 683 6, 560, 891 277, 106 514, 567	1, 696 37, 696 993 6, 563	191, 703 7, 869, 689 426, 825 730, 049	130, 324 1, 271, 102 148, 726 208, 919
classified ¹ Fur goods Furniture, including store and office fixtures. Class products (except mirrors) made from pur-	112 10 38	348 23 92	1, 845 125 700	433	8, 594 49 2, 222	1, 081, 389 74, 521 231, 891	3, 038, 457 168, 755 955, 418	3, 992, 856 305, 551 1, 282, 806	198, 908 2, 761 28, 975	11, 094, 680 791, 412 3, 034, 261	6, 902, 916 483, 100 1, 722, 480
chased glass House-furnishing goods, not elsewhere classified Ice cream ¹ Ice, manufactured. Jewelry Lumber and timber products, not elsewhere classi-	3 10 12 8 9	1 16 21 19 14	12 55 219 70 54	35 543	10 59 942 1, 629 21	(8) 24, 846 67, 113 43, 825 20, 872	15, 109 64, 488 362, 930 114, 118 81, 982	24, 010 179, 141 1, 096, 250 19, 414 114, 909	509 1, 428 47, 748 57, 334 966	62, 956 347, 307 2, 218, 317 456, 730 310, 714	38, 437 106, 798 1, 074, 319 379, 982 194, 839
Lumber and timber products, not elsewhere elassi- fied Marble, granite, slate, and other stone products Millinery Mirror and pieture frames Nonferrous-metal alloys and products, not including	22 4 9 3	151 11 39 2	2,346 44 208 14	15, 907	8, 576 437 25 16	453, 498 27, 679 91, 692 (³)	8, 355, 646 74, 702 250, 834 20, 416	7, 556, 478 99, 724 415, 759 6, 878	97, 660 3, 328 3, 031 554	13, 887, 420 249, 606 882, 802 43, 083	6, 233, 282 146, 554 464, 012 35, 651
aluminum products. Patent or proprietary medicines and compounds 1. Planing-mill products (including general millwork), not made in planing mills connected with saw-	16 9	40 24	165 26		769 85	117, 939 50, 196	265, 772 29, 352	770, 169 122, 120	18, 875 1, 215	1, 501, 410 322, 051	712, 3 66 198, 71 0
mills * Pottery, including porcelain ware 4 Printing and publishing, book and job Printing and publishing, newspaper and periodical_ Rubber goods, other than tires, inner tubes, and	35 4 99 56	89 3 226 946	573 13 613 686	280	3, 063 87 1, 021 1, 031	297, 544 4, 200 004, 143 2, 420, 776	861, 595 14, 157 1, 115, 369 1, 513, 719	2, 347, 819 3, 845 1, 044, 162 2, 285, 350	41, 309 1, 789 38, 132 41, 402	4, 074, 523 47, 180 4, 130, 573 10, 497, 471	1, 685, 395 41, 546 3, 048, 279 8, 170, 719
boots and shoes. Sausago, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments.	4	6	28		166	12, 075	28, 510	13, 889	1,613	103, 904	88, 402
Trunks, suiteases, and bags. Wall plaster, wall board, insulating board, and floor composition.	5 7 7	8 15 30	21 90 108		110 42	24, 400 41, 017	44, 965 124, 129	372, 875 166, 079	3, 993 2, 687	485, 260 458, 272	108, 592 289, 506
Other industries	438	2, 354	11,776	7,920	831 54, 262	103, 156 5, 941, 418	134, 070 16, 344, 822	374, 577 61, 694, 935	17, 733 1, 968, 795	929, 445 108, 852, 346	537, 135 45, 188, 616

See General Explanations—Duplication in Cost of Materials and Value of Products.
 Value of products less cost of materials, containers for products, fuel, and purchased electric energy.
 This item does not represent manufacturers' profits.
 See General Explanations—Profits and Production Costs.

¹ The items for each of the five industries covered by this fcotnote include data for 2 establishments located outside the city, to avoid disclosing the figures reported by 1 The items for each of the five industries covered by this icotnote include data for 2 establishments located outside the city, to avoid disclosing one against reported by the establishments in question.

1 The items for each of the 6 industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

1 Withhold to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

1 The figures for 3 establishments located outside the city have been included in the items for the "Planing-mill products (including general millwork), not made in planing mills connected with sawmills" industry to avoid disclosing the data reported by these establishments.

TABLE 14.—GENERAL STATISTICS FOR IMPORTANT CITIES, BY INDUSTRIES: 1929—Continued [See note at head of this table]

INDUSTRY	Num- ber of estab- lish- ments	Sal- aried officers and em- ploy- ees	Wage earners (aver- age for the year)		Salaries	Wages	Cost of ma- terials and containers for products	Cost of fuel and purchased electric energy	Value of products •	Value added by manufac- ture b
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SPOKANE

[The totals for all industries do not include data for a few establishments located outside the city (see footnote 5), and therefore are slightly smaller than the sums of the items for the individual industries]

All industries, total	275	1, 427	5, 252	2, 024	19, 252	\$3, 093, 956	\$6, 636, 020	\$26, 670, 858	\$636, 127	\$45, 607, 728	\$18, 300, 738
Beverages. Boxes, wooden, except cigar boxes 5. Bread and other bakery products 5. Butter 5.	7 4 35 9	6 13 70 47	29 114 377 84	18 100 3 80	351 809 583 445	13, 250 44, 695 140, 280 90, 447	43, 905 123, 506 526, 350 109, 100	137, 989 467, 189 1, 517, 072 1, 974, 957	6, 708 12, 419 74, 355 24, 515	336, 381 681, 917 3, 406, 240 2, 529, 739	191, 684 202, 309 1, 814, 813 530, 267
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces. Concrete products. Confectionery.	4 4 7	19 7 28	29 26 141	51	74 129 213	40, 680 12, 406 65, 300	41, 532 30, 300 127, 322	253, 945 45, 095 364, 301	4, 101 2, 883 12, 391	458, 838 121, 877 754, 603	200, 787 73, 899 377, 911
Confectionery Copper, tin, and sheet-iron work, including galva- nized-iron work, not elsewhere classified Electrical machinery, apparatus, and supplies	9 3	23 4	64 9		56 27	57, 250 11, 055	109, 399 11, 434	242, 101 24, 023	1, 787 1, 037	546, 722 58, 148	302, 834 33, 088
Foundry and machine-shop products, not elsewhere classified for Fur goods. Furniture, including store and office fixtures	14 7 7 7	64 10 14 9	349 60 60 65		1, 350 20 79 212	238, 784 19, 411 23, 655 20, 993	488, 569 69, 132 75, 185 106, 754	796, 966 131, 452 182, 766 357, 851	38, 153 1, 839 1, 831 15, 686	1, 825, 956 300, 650 357, 550 643, 625	990, 837 167, 359 172, 953 270, 088
Lumber and timber products, not elsewhere classi- fied Planing-mill products (including general millwork),	3	73	704	500	3, 533	202, 017	734, 778	1, 450, 119	39, 168	3, 455, 327	1, 966, 040
not made in planing mills connected with saw- mills. Printing and publishing, book and job. Printing and publishing, newspaper and periodical. Other industries.	16 29 9 105	89 53 510 389	912 100 236 1, 847	875 497	3, 696 225 697 6, 783	226, 196 111, 828 862, 909 914, 897	975, 207 262, 371 458, 845 2, 359, 641	2, 557, 257 255, 847 543, 909 15, 456, 572	62, 057 10, 272 20, 938 308, 057	4, 178, 045 896, 058 3, 827, 290 21, 355, 713	1, 558, 731 629, 939 3, 262, 443 5, 591, 084

See General Explanations—Duplication in Cost of Materials and Value of Products.
b Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

The items for each of the four industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.

TACOMA

[The totals for all industries do not include data for a few establishments located outside the city (see footnotes 6 and 7), and therefore are slightly smaller than the sums of the items for the individual industries]

											,
All industries, total	329	1,580	13, 424	26, 417	62, 873	\$4, 008, 595	\$17, 839, 155	\$53, 448, 453	\$1, 276, 190	\$92, 774, 045	
Boverages 6	4 41 5 6 8	11 36 14 11 26 35 8	29 317 23 22 109 72 19	15	115 601 127 87 211 1,697 47	20, 293 49, 162 20, 810 37, 658 79, 621 84, 497 21, 700	45, 030 425, 504 39, 369 26, 628 98, 916 106, 821 21, 503	91, 173 914, 164 528, 258 474, 912 263, 656 2, 641, 111 195, 503	5, 957 38, 103 4, 825 3, 168 6, 803 13, 545 2, 225	222, 622 1, 866, 649 635, 898 648, 502 651, 291 3, 069, 695 273, 061	125, 492 914, 382 102, 815 170, 422 380, 832 415, 089 75, 333
Foundry and machine-shop products, not else- where classified ⁶ —Furniture, including store and office fixtures ⁶ ————————————————————————————————————	23 16 6	97 73 8	452 800 39	105 520	2, 176 2, 053 343	228, 922 195, 979 18, 036	731, 543 816, 783 61, 865	1, 093, 318 1, 358, 772 192, 528	83, 409 23, 465 8, 664	2, 678, 029 3, 069, 454 491, 201	1,501,212 1,687,217 290,000
Lumber and timber products, not elsewhere classified Marble, granite, slate, and other stone products	29	333	5, 549 103	22, 210	21,662 1,470	1, 127, 206 27, 478	7, 132, 081 161, 849	9, 815, 889 132, 176	350, 291 9, 434	25, 186, 405 352, 558	5, 020, 225 210, 948
Nonferrous-metal alloys and products, not includ-	8	3	8		22	6, 282	17, 619	48, 482	1, 167	81, 375	31,726
Planing-mill products (including general millwork), not made in planing mills connected with saw- mills? Printing and publishing, book and job 6 Other industries	27 25 134	124 55 759	966 120 4,865	925 	7, 088 218 25, 485	305, 982 120, 843 1, 692, 526	1, 291, 445 180, 773 6, 781, 815	3, 234, 513 212, 682 32, 604, 549	72, 934 8, 284 651, 220	5, 772, 524 697, 969 47, 680, 005	2, 465, 077 477, 003 14, 424, 236

The items for each of the six industries covered by this footnote include data for 1 establishment located outside the city, to avoid disclosing the figures reported by the establishments in question.
The items for each of the two industries covered by this footnote include data for 2 establishments located outside the city, to avoid disclosing the figures reported by the establishments in question.

WEST VIRGINIA

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1921 and subsequent years was \$5,000. See General Explanations—Establishments Covered—Size]

	Num-	Wage		ER (RATED WER EQUIP			COST OF MATER UCTS, FUEL, ENERGY	HALS, CONTAINE AND PURCHAS	rs for Prod- Ed Electric		
YEAR OR PERIOD	ber of estab- lish- ments	earners (average for the year)	Total	Prime movers	Electric motors drivon by pur- chased energy	Wages	Total 2	Materials and contain- ers ³	Fuel and purchased onergy	Value of prod- ucts ²	Value added by manufac- ture 4
1929 1927	1, 488 1, 313 1, 395 1, 487 1, 550	85, 326 77, 630 80, 700 85, 661 60, 536	650, 199 546, 440 495, 051 371, 699 (6)	379, 226 364, 667 342, 159 257, 996 (*)	270, 973 181, 773 152, 892 113, 703 (8)	\$115, 294, 705 103, 431, 224 105, 892, 102 109, 936, 819 78, 549, 260	\$261, 397, 786 252, 884, 424 260, 880, 407 259, 151, 186 170, 876, 327	\$232, 984, 404 225, 943, 623 (6) (6) (6)	\$28, 413, 382 27, 840, 801 (5) (5) (6)	\$513, 012, 300 455, 216, 551 470, 821, 582 479, 510, 169 310, 422, 830	\$251, 614, 514 202, 332, 127 200, 941, 175 220, 358, 983 139, 546, 503
1919	2, 785 2, 749 2, 586 2, 109 1, 824	83, 036 71, 078 63, 893 43, 768 83, 080	328, 455 278, 219 217, 243 138, 484 91, 596	265, 538 251, 067 211, 913 137, 708 91, 509	62, 917 27, 152 5, 330 776 27	101, 840, 420 43, 784, 006 33, 000, 355 21, 153, 042 12, 639, 856	270, 940, 596 110, 033, 165 92, 877, 988 54, 410, 206 87, 228, 253	250, 192, 027 102, 827, 781 84, 084, 052 51, 050, 017 (7)	20, 747, 069 7, 205, 384 8, 793, 386 2, 768, 589 (7)	471, 970, 877 193, 511, 782 161, 949, 526 99, 040, 676 67, 006, 822	201, 030, 281 83, 478, 617 60, 071, 538 44, 621, 470 20, 778, 509
· :		<u></u>			PER (CENT OF INCREA	SE OR DECREAS	E ()			
1927-1929	13. 3 -5. 9 -6. 2 -4. 1 -44. 3	9. 9 -3. 8 -5. 8 41. 5 -27. 1	19. 0 10. 4 33. 2	4. 0 6. 6 32. 6	49. 1 18. 9 34. 5	11, 5 -2, 3 -3, 7 40, 0 -22, 9	3. 4 -3. 1 0. 7 51. 7 -36. 9	8. 5	2.1	12.7 -3.3 -1.8 54.5 -34.2	24. 4 -3. 0 -4. 7 57. 9 -30. 6
1919-1929	-46.6 7.7 41.8	2.8 30.0 93.1	98. 0 51. 2 137. 2	42. 8 25. 3 131. 4	330, 7 1, 080, 4 (8)	13. 2 208. 6 161. 1	-3.5 191.7 149.5	-6.9 197. 5	36. 9 136. 0	8.7 101.4 141.7	25, 2 101, 0 132, 0

1 Not including salaried employees.
2 The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.
3 Includes cost of foundry supplies for 1927 and earlier years but not for 1929. See General Explanations—Comparableness with Preceding Years—Schedule Changes—Mill or Shop Supplies.
4 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.
5 Not reported separately.
6 Not called for on schedule.
7 No comparable data.
8 Per cent not computed where base is less than 100.

TABLE 2.—SUMMARY FOR THE WHEELING INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

	Popula-	Num- ber of estab-	Wage earners	Horse-	Wages		TERIALS, CONT FUEL, AND NERGY		Value of	Value added
	1930	lish- ments	(average for the year) 1	power 2	Wages	Total	Materials and con- tainers	Fuel and purchased energy	products	by manu- facture
The State.	1, 729, 205	1, 488	85, 326	650, 199	\$115, 294, 705	\$261, 397, 786	\$232, 984, 404	\$28, 413, 382	\$513, 012, 300	\$251, 614, 514
Wheeling Industrial Area 3	394, 761	537	45, 906	446, 601	70, 728, 962	179, 366, 489	158, 883, 221	20, 483, 268	319, 433, 328	140, 066, 839
Portion in West VirginiaPortion in Ohio	125, 251	186	22, 417	176, 689	35, 457, 516	87, 429, 771	76, 914, 247	10, 515, 524	160, 659, 623	73, 229, 852
	269, 510	351	23, 489	269, 912	35, 271, 446	91, 936, 718	81, 958, 974	9, 967, 744	158, 773, 705	66, 836, 987
Counties in West Virginia 4 Barbour Berkeley Boone Braxton Brooke	18, 628	19	302	580	84, 721	209, 791	205, 798	3, 993	443, 808	234, 017
	28, 030	46	3,740	12, 641	3, 507, 065	7, 526, 988	6, 807, 692	719, 290	14, 317, 154	6, 790, 166
	24, 586	8	302	1, 115	355, 218	260, 954	252, 395	8, 559	996, 206	735, 252
	22, 579	12	342	1, 032	447, 952	392, 698	351, 449	41, 249	1, 123, 577	730, 879
	24, 663	23	3,380	27, 618	5, 470, 114	13, 090, 114	9, 902, 142	3, 187, 972	24, 183, 793	11, 093, 670
Cabell Clay Doddridge Fayette Gilmer	90, 786	100	8, 479	47, 079	11, 200, 846	26, 708, 415	25, 097, 766	1, 610, 649	53, 768, 167	27, 059, 752
	13, 125	14	179	798	246, 916	92, 916	89, 691	3, 225	492, 080	399, 164
	10, 488	5	21	69	22, 784	32, 565	32, 330	235	78, 046	45, 481
	72, 050	31	1, 006	11, 228	1, 183, 417	2, 081, 009	1, 119, 044	961, 965	4, 574, 131	2, 493, 122
	10, 641	7	73	314	90, 444	24, 680	17, 615	7, 065	143, 386	118, 706
Greenbrier		20	638	2, 766	890, 295	619, 340	590, 021	29, 319	2, 894, 185	2, 274, 845
Hancock		45	11, 264	116, 130	19, 559, 051	39, 990, 137	33, 811, 707	6, 178, 430	75, 219, 211	35, 229, 074
Hardy		16	187	953	179, 398	628, 536	619, 539	8, 997	1, 050, 591	422, 055
Harrison		74	4, 299	17, 213	5, 849, 527	11, 791, 946	10, 414, 123	1, 377, 823	23, 446, 045	11, 054, 099
Jackson		12	84	543	67, 170	117, 515	111, 309	6, 206	260, 743	143, 228
lefferson	15, 780	28	553	8, 017	548, 025	1, 730, 087	1, 364, 997	365, 090	3, 095, 155	1, 365, 068
	157, 667	133	7, 944	142, 609	10, 543, 039	31, 233, 096	26, 335, 569	4, 897, 527	59, 997, 624	28, 764, 528
	21, 794	23	920	1, 898	1, 248, 012	1, 225, 983	1, 053, 451	172, 532	3, 235, 560	2, 009, 577
	19, 156	6	20	82	15, 096	6, 162	5, 850	312	36, 050	29, 888
	58, 534	19	599	1, 880	860, 026	595, 115	547, 552	47, 563	2, 035, 590	1, 440, 475
McDowell Unrion Marshall Mason Mercer	90, 479	30	554	3, 880	769, 868	988, 749	773, 093	215, 656	2, 691, 111	1, 702, 362
	66, 655	45	2, 557	17, 108	3, 514, 294	7, 117, 504	5, 210, 749	1, 906, 755	16, 193, 495	9, 075, 991
	39, 831	40	3, 920	17, 731	5, 738, 846	16, 064, 720	14, 584, 682	1, 480, 038	28, 671, 133	12, 606, 413
	20, 788	19	557	2, 411	501, 435	958, 647	868, 150	90, 497	2, 037, 402	1, 078, 755
	61, 323	35	2, 364	75, 480	3, 090, 893	3, 038, 353	3, 270, 094	368, 259	8, 359, 800	4, 721, 447
Mingo	38, 319 50, 083 11, 949 8, 406 20, 686	23 46 18 14 16	1, 733 30 328 1, 795	3, 146 7, 441 1, 048 726 11, 156	1, 279, 379 2, 543, 314 32, 129 226, 243 2, 112, 973	887, 864 3, 450, 490 133, 197 1, 638, 480 5, 117, 695	813, 608 3, 039, 471 115, 100 1, 615, 340 4, 880, 193	74, 256 411, 019 18, 097 23, 149 287, 502	2, 884, 076 8, 038, 792 249, 066 2, 179, 612 10, 598, 688	1, 996, 212 4, 588, 302 115, 869 541, 123 5, 480, 993
Ohlo.	72, 077	118	7,764	32, 941	10, 428, 351	34, 349, 520	33, 200, 398	1, 149, 122	61, 256, 619	26, 907, 099
Pendleton.	9, 660	11	57	235	47, 767	44, 901	44, 650	245	137, 522	92, 621
Pocahontas	14, 555	17	1,036	4, 043	1, 211, 384	4, 310, 740	4, 262, 354	48, 386	6, 640, 034	2, 329, 294
Preston	29, 043	33	808	7, 844	916, 992	648, 212	419, 014	229, 198	2, 416, 726	1, 768, 514
Raleigh	68, 072	30	940	3, 213	1, 217, 780	850, 267	802, 551	56, 716	3, 079, 447	2, 220, 180
Randolphtitchie	25, 049	32	1,374	4, 545	1, 526, 203	3, 171, 797	3, 117, 909	53, 888	5, 854, 517	2, 682, 720
	15, 594	14	89	417	57, 094	59, 704	55, 940	3, 764	196, 150	136, 446
	19, 478	8	29	217	36, 557	112, 814	109, 549	3, 265	231, 555	118, 741
	19, 114	15	941	3, 271	1, 342, 660	1, 997, 637	1, 776, 202	221, 435	4, 382, 884	2, 385, 247
Pyler	12, 785	16	291	1, 028	361, 948	475, 200	376, 048	99, 152	1, 288, 095	812, 895
	17, 944	12	366	1, 011	420, 183	602, 247	628, 709	33, 538	1, 365, 132	702, 885
	31, 206	26	799	6, 290	988, 388	2, 862, 563	2, 479, 737	382, 826	5, 574, 886	2, 712, 323
	14, 216	9	737	2, 367	680, 650	408, 552	399, 901	8, 651	2, 162, 033	1, 753, 481
Vetzel	22, 334	28	919	2, 627	948, 156	1, 091, 332	851, 822	239, 510	2, 875, 196	1, 783, 864
	56, 521	75	6, 408	20, 782	7, 733, 668	16, 738, 638	15, 787, 774	950, 864	38, 961, 092	22, 222, 454
	20, 926	14	636	3, 050	890, 102	633, 924	606, 742	27, 182	2, 088, 351	1, 454, 427
	114, 709	103	3, 206	12, 626	4, 293, 332	14, 616, 983	14, 164, 578	452, 405	21, 207, 784	6, 590, 801
Cities having 10,000 inhabitants or more 6	23, 245	25	1, 506	6, 230	1, 942, 590	0 200 470	0 010 201	110 740	E 450 155	9 100 000
Bluefield, W. Va	19, 339 3, 906	19 6	1, 482 24	6, 159	1, 920, 836	2, 323, 479	2, 210, 731	112, 748	5, 450, 155 5, 323, 981 120, 174	3, 126, 676 3, 066, 299 60, 377
Pharleston Plarksburg Pairmont Partinsburg	60, 408 28, 806 23, 159 14, 857	88 49 31 27	2, 353 2, 983 2, 152 3, 080	71 11, 339 12, 805 13, 029 4, 299	21, 754 2, 977, 542 3, 956, 705 2, 890, 633 2, 709, 894	65, 797 7, 336, 271 7, 342, 481 5, 565, 326 5, 843, 962	63, 831 6, 824, 001 6, 595, 270 4, 674, 418 5, 643, 689	1, 966 512, 270 747, 211 890, 908 200, 273	126, 174 16, 263, 409 16, 194, 843 12, 821, 423 10, 584, 730	8, 927, 138 8, 852, 362 7, 256, 097 4, 740, 768
lorgantown Joundsvillearkersburg	16, 186 14, 411 29, 623 61, 659	31 21 55 112	954 1, 461 1, 981 7, 748	2, 808 3, 433 9, 197 32, 505	1, 288, 199 1, 957, 879 2, 615, 420 10, 407, 173	1, 029, 195 4, 299, 420 9, 778, 133 34, 245, 648	788, 708 3, 967, 032 9, 461, 554 33, 104, 009	240, 487 332, 388 316, 579 1, 141, 039	3, 458, 060 8, 978, 264 16, 366, 160 61, 096, 190	2, 428, 865 4, 678, 844 6, 588, 027 26, 850, 542

1 Not including salarled employees.
2 Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
3 The Wheeling Industrial Area comprises Brooke, Hancock, and Ohio Counties, W. Va., and Belmont, Columbiana, and Jefferson Counties, Ohio.
4 Statistics are presented for each county in which 10 wage carners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties as a single group ("All other counties").
5 Cattain of the counties for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately.
5 Calhoun, Grant, Hampshire, Mineral, Pleasants, Putnam, Summers, and Tucker Counties.
6 Not including Huntington, which reported more than 10,000 inhabitants at the census of 1930.
5 See footnote 4. No manufacturing was reported from Wirt County.
6 It is necessary to withhold the figures for this city from publication to avoid disclosing an approximation of the data for an individual establishment.

TABLE 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	ALL CLASSES				TORS AND	PRINCIPAL SALARIED OFFICERS OF CORPO- RATIONS			ANI	ALARIED EMPLOY			ARNERS (A		
6	Total	Male	Female	Total	Male	Fe- male	Total	Male	Fe- male	Total	Male	Female	Total	Male	Female
1929 1 1910 1, 4 1914 4 1909	94, 359 93, 688 79, 353 71, 463	81, 208 83, 795 72, 711 66, 121	13, 151 9, 893 6, 642 5, 342	794 2, 524 2, 559 2, 599	768 2,433 2,485 2,527	26 91 74 72	² 887 997 652 568	2 844 975 639 562	43 22 13 6	² 7, 352 7, 131 5, 064 4, 403	2 5, 950 5, 703 4, 388 3, 839	² 1, 402 1, 428 676 564	85, 326 83, 036 71, 078 63, 893	³ 73, 646 74, 684 65, 199 59, 193	\$ 11, 680 8, 352 5, 879 4, 700

¹ No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
² Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 128, male. Other salaried officers and employ-ees—total, 1,641; male, 1,044; female, 497. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See General Explanations—Persons Engaged.
² Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See General Explanations—Persons Engaged.
¹ Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 4.-WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average			NUMBER E	EMPLOYED	ON 15TH D	AY OF MO	NTH OR NI	EAREST RE	PRESENTA	TIVE DAY			Per
census year employed during year	January	Febru- ary	March	April	May	June	July	August	Septom- ber	October	Novem- ber	Decem- ber	mint- mum is of maxi- mum	
1929 1	85, 326	83, 313	84, 539	85, 721	86, 202 80, 719	86, 143	86, 861	85, 593	86, 774	86, 694	86, 323	84, 023	81,726	94, 1
1919 1 1914 1 1909 1	83, 036 71, 078 03, 893	80, 721 71, 642 56, 191	81, 101 71, 608 57, 393	81, 170 74, 064 00, 499	80,719 76,677 62,456	79, 617 76, 205 62, 655	79, 901 73, 332 65, 467	81, 129 69, 880 62, 187	86, 774 87, 105 71, 044 65, 651	86, 694 89, 041 71, 664 68, 290	84, 209 69, 773 69, 202	84, 362 63, 875 68, 647	81, 726 87, 357 62, 572 68, 056	89. 4 81. 6 81. 2

¹ The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures,

Table 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of estab- lish- ments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of estab- lish- ments	Wage earners (average for the year)
All classes	1, 488	85, 326	45 and over but under 48	38	2,896 22,547
Not reported. Under 40. 40. Over 40 but under 44. 44 and over but under 45.	271 28 18 7 88	933 237 888 408 4,090	48 Over 48 but under 54. 54. Over 54 but under 60. 60 and over	317 143 150 150 278	22, 547 10, 734 4, 243 22, 982 15, 278

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

CLASS		ER OF E		WAGE EARNERS (AVERAGE FOR THE YEAR)			CLASS		BER OF I			ARNERS OR THE Y	
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	1, 488	2, 785	2, 586	85, 326	83, 036	63, 893	51 to 100 101 to 250	88 108	109 121	114 93	6, 573 17, 924	8, 141 19, 222	8, 140 14, 893
No wage earners	32 695 307 181	392 1,425 484 182	200 1, 417 503 209	2, 105 3, 387 5, 966	3, 065 5, 377 6, 028	3, 266 5, 460 7, 043	251 to 500 501 to 1,000	46 22 8 1	43 21 } 8	$\left\{ egin{array}{c} & & & & & & \\ & & & & & & \\ & & & & & $		19, 222 14, 743 13, 999 12, 461	11, 298 11, 095 11, 095 { 2, 698

¹ Combined to avoid disclosing number of wage earners reported for an individual establishment.

TABLE 7 .- ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS		BER OF E			GE EARN E FOR TI	ERS IE YEAR)	YALUI	E OF PRODUC	rs	VALUE ADE	ED BY MANU	FACTURE I
VALOR OF TROPOSTS	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909
All establishments	1, 488	2, 785	2, 586	85, 326	83, 036	63, 893	\$513, 012, 300	\$471, 970, 877	\$161, 949, 526	\$251, 614, 514	\$201, 030, 281	\$69, 071, 538
Less than \$5,000	(2) 596 418 256 162	755 869 649 (³) (³)	1, 082 759 462 (3) (3)	(2) 1, 810 4, 401 1, 860 2, 541	569 2, 449 6, 850 (3) (3)	1, 988 4, 240 10, 384 (3) (3)	(2) 6, 254, 641 19, 385, 704 7, 929, 099 11, 456, 605	1, 815, 928 9, 372, 762 28, 916, 989 (3) (3)	2, 548, 624 7, 566, 470 21, 017, 729 (a) (3)	(2) 3, 930, 326 11, 667, 879 4, 759, 175 6, 908, 704	1, 178, 507 5, 117, 787 13, 812, 499 (3)	1, 784, 907 4, 352, 873 10, 417, 819 (3)
\$100,000 to \$499,990 \$100,000 to \$249,999 \$250,000 to \$499,999	290 182 108 85	(3) (3) (1) 78	250	15, 233 6, 796 8, 437 13, 526	20, 239 (³) (³) 11, 440	32, 553	67, 378, 800 20, 236, 228 38, 142, 572 59, 215, 066	81, 611, 784 (3) (3) 54, 130, 850	68, 334, 808	39, 054, 814 16, 742, 910 22, 311, 904 32, 808, 961	43, 908, 546 (3) (3) 27, 409, 742	33, 764, 126
\$1,000,000 and over \$1,000,000 to \$2,499,099 \$2,500,000 to \$4,999,999 \$5,000,000 and over	99 52 32 15	(3) (3) (3) (3)	(3) (3) (3) (3)	50, 356 14, 396 14, 423 21, 537	41, 489 (3) (3) (3)	14, 728 (3) (3) (3) (3)	360, 778, 089 88, 240, 016 106, 272, 634 166, 256, 439	296, 122, 564 (3) (3) (3) (3)	62, 481, 895 (3) (3) (3) ~	164, 152, 534 39, 295, 619 44, 074, 130 80, 782, 785	109, 603, 200 (3) (3) (3) (3)	18, 801, 813 (3) (3) (3) (8)

[!] Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

1 No data.

Not tabulated separately.

Table 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

Type of ownership or control, and of operation	NUMBER TABLISD		WAGE E. (AVERAGE YEA	FOR THE	VALUE OF	PRODUCTS	VALUE ADDEI FACTU	
	1929	1919	1929	1919	1929	1919	1929	1919
Total	1, 488	2, 785	85, 326	83, 036	\$513, 012, 300	\$471, 970, 877	\$251, 614, 514	\$201, 030, 281
TYPE OF OWNERSHIP OR CONTROL		***************************************						
Corporate ownership or control	819	1, 021	80, 489	75, 883	493, 097, 110	428, 213, 176	240, 059, 708	184, 062, 230
ship, etc.)	669	1, 764	4,837	7, 153	19, 915, 190	43, 757, 701	11, 554, 806	16, 968, 051
TYPE OF OPERATION	1							
Central-administrative-office (plural-unit) Independent (single-unit)	335 1, 153	(1) (1)	56, 544 28, 782	(1) (1)	357, 793, 134 155, 219, 166	(t) (1)	168, 374, 346 83, 240, 168	(i)

¹ Not tabulated.

Table 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE WHEELING INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

		PI	RIME MO	VERS AND	ELECTR	ic motors	DRIVE	N BY PUR	CHASED	ENERGY			ELECTR	C MOTORS
					Prir	ne movers					Tilosta!		ENER	EN BY 37 GEN-
The second with English Contraction	Aggregate horse- power	Total horse- power	Steam	engines	Steam	turbines	Interior bustion	nal-com- n engines	and	wheels water bines	driven	e motors by pur- l energy	ESTABL	TED IN ISUMENTS ORTING
		of prime movers	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power
The State: 1929. 1927. 1925. 1919 1. 1914 1.	650, 199 546, 440 495, 051 328, 455 278, 219	379, 226 364, 667 342, 159 265, 538 251, 067	830 663 901 1,808 2 2,369	118, 864 136, 140 188, 766 172, 113 2 216, 976	242 105 66 70	224, 769 188, 502 112, 924 45, 042	195 279 324 770 779	26, 851 31, 279 32, 174 38, 972 28, 537	26 42 38 348 146	8, 742 8, 746 8, 295 9, 411 5, 554	17, 247 13, 438 11, 401 5, 140 2, 044	270, 973 181, 773 152, 892 62, 917 27, 152	9, 818 8, 052 6, 461 5, 106 2, 634	249, 726 200, 374 156, 339 92, 307 39, 524
Wheeling Industrial Area, total	446, 601	265, 965	312	162, 231	52	96, 690	71	7,044			9, 927	180, 636	6, 408	231,005
Portion in West Virginia (Brooke, Hancock, and Ohio Counties) Portion in Ohio (Belmont, Colum- biana, and Jefferson Counties)	176, 689 269, 912	125, 068 140, 897	76 236	41, 851 120, 380	24 28	79, 920 16, 770	32 39	3, 297 3, 747			4, 107 5, 820	51, 621 129, 015	3, 551 2, 857	152, 026 78, 979
Countles in West Virginia in which aggregate horsepower exceeded 25,000: 1929										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0, 020			
Brooke Cabell Hancock Kanawha	27, 618 47, 079 116, 130 142, 609	3, 595 8, 078 109, 330 65, 945	7 20 37 57	2, 615 4, 173 29, 883 6, 225	1 3 15 166	(4) 2,000 79,265 50,707	5 11 3 30	980 1,905 182 9,013			890 2, 640 1, 281 1, 666	24, 023 39, 001 6, 800 76, 664	65 897 2, 697 1, 847	429 15, 778 145, 578 32, 589
Mercer Ohio. Wood.	75, 480 32, 941 29, 782	65, 085 12, 143 16, 411	10 82 22	1, 640 9, 368 4, 716	7 8 3	63, 445 640 10, 765	24 8	2, 135 930			468 1, 936 1, 425	10, 395 20, 798 13, 371	59 789 792	1, 135 6, 019 7, 885

Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
Reported as "Steam engines and turbines."
Not reported separately. See footnote 2.
Item for steam turbines included with that for steam engines to avoid disclosing data for a single establishment.

WEST VIRGINIA

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 4 on that table]

		VERS AND RIVEN BY 1	ELECTRIC URCHASED	Electric motors—			VERS AND PRIVEN BY F		Electric motors—
	Aggregate	Prime movers	Electric motors	plant energy t		Aggregate	Prime movers	Electric motors	energy 1
The State	650, 199	379, 226	270, 973	249, 726	MasonMercer	2, 411 75, 480	1, 502 65, 085	909 10, 395	263 1, 135
Barbour Berkeley Boone	580 12, 641 1, 115	463 1, 115 1, 095	117 11,526 20 53	100 576 646	Mingo Monongalia Monroe	3, 146 7, 441 1, 048	1, 165 4, 429 420	1,981 3,012 628	i, 718
Brooke	1, 032 27, 618 47, 079	979 8, 595 8, 078	24, 023 39, 001	429 15, 778	Morgan Nicholas Ohio	726 11, 156 32, 941	628 11, 125 12, 143	98 31 20, 798	5, 188 6, 019
Cabell Clay Doddridge Fayette	798	796 65 8, 306	2, 922	610	Pendleton Pocahontas	235 4, 043	231 4, 023	20 20	1,824
Gilmer Greenbrier	314 2, 766	1,943	146 823	1, 334	Preston Raleigh Randolph Ritchie	7, 844 3, 213 4, 545	7, 692 2, 314 3, 473	152 899 1, 072	3, 437 175 400
Hancock Hardy Harrison	116, 130 953 17, 213	109, 330 920 11, 507	6, 800 33 5, 706	145, 578 165 8, 078	Roane	217	372 168	45 49 456	(2) 5 1,769
Jackson	543 8, 017	3, 455	4, 562 76, 664	694	Taylor Tyler Upshur Wayne	3, 271 1, 028 1, 011 6, 290	2, 815 391 874 780	637 137 5, 510	413
Kanawha Lewis Linclon	142, 609 1, 898 82	65, 945 860 70	1, 038 12	32, 589 98	Webster	2, 367 2, 627	2, 367 916	1,711	270
Logan	1, 880 3, 880 17, 108 17, 731	501 505 4, 704 5, 212	1, 319 3, 375 12, 404 12, 519	3, 665 4, 109	Wood	29, 782	16, 411 1, 032 8, 757	13, 371 2, 018 3, 809	7,885

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

	192	9	1927 1	1923 1	1919 1	1914 1	1909 1
KIND	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel: Coal, total ² (tons, 2,000 lbs)	5,841,066	\$12,800,505	5, 950, 798	5, 552, 313	4, 032. 175	3, 634, 965	7, 282, 455
Anthracite (tons, 2,240 lbs.)Bituminous (tons, 2,000 lbs)	32, 096 5, 805, 118	128, 430 12, 672, 075	(3) (8)	60, 344 5, 484, 728	66, 558 4, 007, 630	63, 006 3, 564, 398	0, 589 7, 275, 076
Coke (tons, 2,000 lbs.) Fuel oils, including crude oils and gas oils (gallons) ⁵ . Gasoline and kerosene (gallons) ⁵ . Gas, natural (M cu. ft.) Gas, manufactured (M cu. ft.).	742, 217 10, 058, 549 301, 716 25, 474, 798 14, 323, 404	1, 884, 698 297, 823 60, 917 0, 744, 957 1, 553, 007 560, 185	0.00	© 39 39 39 39	341, 030 1, 455, 090 256, 452 48, 247, 748 (4)	208, 374 765, 282 51, 808, 850 (4)	325, 738 1, 218, 420 30, 894, 329 (4)
Electric energy purchased (kilowatt-hours)	575, 932, 120	5, 463, 684 7 29, 874, 831	(°) C'ost \$27, 840, 801	(¹) Cost (§)	(4) Cost \$20, 747, 909	(4) Cost \$7, 205, 384	(4) Cost \$8, 793, 336

¹ Horsepower of electric motors driven by energy generated in establishments reporting.
2 Item for Ritchie County included with that for "All other counties" to avoid disclosing data for an individual establishment.
3 Calhoun, Grant, Hampshire, Mineral, Pleasants, Putnam, Summers, and Tucker Counties. No manufacturing was reported from Wirt County.

¹ No data on cost of fuel, by kinds, were collected for years prior to 1929.
2 Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
3 Not tabulated separately.

Not tablinated separately.
No data.
For years prior to 1929, reported in herrels; converted on basis of 42 gallons per harrel.
For years prior to 1929, reported in herrels; converted on basis of 42 gallons per harrel.
Data incomplete.
The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
Not reported separately.

Table 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

		Sala- ried	Wage	HORSE (RATED ITY) OF EQUIP	CAPAC-			Cost of ma-	Cost of		77-1
	Num- ber of	offi-	earners (aver-		<u> </u>			terials and	fueland	Value of	Value added by
INDUSTRY	estab- lish	eers	age for		Electric	Salaries	Wages	containers for prod-	purchased electric	products 1	manufac- ture ²
A CONTRACTOR OF THE CONTRACTOR	ments	em- ploy-	the year)	Prime	motors driven	F 47 2 15	257 6 37	ucts 1	energy		
the complete the contract of the contract of		ees	,		by pur- chased		1.				1 - 22 - 41 - 41 - 41 - 41 - 41 - 41 - 4
					energy	1.11					a a fide
											
All industries, total	1, 488	³ 8, 239	85, 326	379, 226	270, 973	3 \$20, 996, 351	\$115, 294, 705	\$232, 984, 404		\$513, 012, 300	
Awnings, tents, sails, and canvas covers	5	13	24		22	25, 236 186, 590	26, 933 385, 426	61, 261 1, 032, 792	1, 012 44, 658	162, 877 2, 751, 518	100, 604 1, 674, 068
Boverages Boxes, paper, not elsewhere classified Boxes, wooden, except eigar boxes Bread and other bakery products	83	90 47	330 365	118	1, 506 887	112,074	368, 068	2, 151, 277	25, 652	3, 320, 637	1, 143, 708 326, 576
Boxes, wooden, except cigar boxes	8 124	27 164	170 1,449	180 176	1,408 3,288	59, 745 464, 314	171, 275 1, 997, 549	414, 343 5, 257, 581	20, 349 204, 511	761, 268 11, 005, 655	5, 543, 563
Butter. Canning and preserving: Fruits and vegetables;	5	4	6	5	77	6, 140	7, 160	146, 352	2, 249	183, 575	34, 974
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	11	9	207	395	94	14, 896	122, 157	631, 394	13, 507	867, 509	222, 698
pickles, jellies, preserves, and sauces	7	20	155		440	42,410	238, 159	108, 837	- 1, 335	390, 741	280, 569
railroad repair shops. Car and general construction and repairs, steam-		703	9, 935	69, 471	24, 085	1, 891, 252	15, 531, 025	15, 267, 237	828, 950	33, 518, 553	17, 422, 366
railroad repair shops Caskets, coffins, burial cases, and other morticians'		14	56	70	48	24, 600	64, 077	169, 003	2,743	338, 628	166, 882
goods	14	490	1, 968	50, 715	70, 214	1, 254, 171	2, 947, 589	8, 877, 521	2, 615, 013	338, 628 22, 858, 635	11, 366, 101
Clay products (other than pottery) and nonclay refractories.	23	146	1, 693	4,050	5,719	467, 355	1,840,759	529, 396	899, 629	5, 260, 288	3, 840, 263 1, 139, 310
Clothing, women's, not ofsewhere classified.		24	703		148	49, 593	493, 980	1, 211, 540	10, 188	2, 361, 038	100
lined work coats but not including shirts), men's.	5	22 14	464 37		133 70	45, 535 41, 101	228, 643 35, 624	990, 069 700, 158	5, 399 3, 608	1, 432, 506 1, 001, 798 9, 952, 334 825, 949	437, 038 298, 032
Coke, not including gas-house coke	16	92	899	6, 337	10, 588	186, 411	1, 497, 149	745, 657 271, 663	6, 122, 868 32, 217	9, 952, 334 825, 949	3, 083, 809 522, 069
Compressed and liquefied gases	6 25	34 28	58 122	93 118	355 722	58, 610 56, 529	85, 841 142, 150	212, 964	10, 542	1 009.4/1	365, 965
Confectionery	7 20	5 10	38 96	10	82 33	6, 454 17, 365	30, 010 132, 391	105, 824 488, 022	2, 176 830	192, 809 752, 877	84, 809 264, 025
Clothing, work (Including sheep-lined and blanket-lined work coats but not including shirts), men's. Coffee and spice, reasting and grinding. Cotto, not including gas-house coke Compressed and liquefied gases Confectionery Cooperage Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified Electrical machinery, apparatus, and supplies Explosives	1			EE0	3, 024	261, 711	1, 447, 927	i '	54, 830	5, 598, 350	1, 984, 773
vanized-iron work, not elsewhere classified	11 8	118 112	1, 140 482	550 1,770	968	297, 914	576, 900	3,558,741 1,751,049	144, 872	5, 598, 350 8, 423, 821 684, 066	1, 984, 773 1, 527, 900 439, 664
Explosives	5 5	8 13	61 24	817 65	299	18,936 22,876	75, 311 28, 444	186, 078 308, 801	8, 324 4, 241	409, 974	96, 932
Flour and other grain-mill products	66	105	237	2,081	2, 583	213, 350	275, 237	3,779,462	54, 508	5, 094, 029	1, 260, 059
where classified	_ 66	298	1,747	1, 160	8, 539	946, 685	2, 377, 351 849, 183	4,827,650 1,561,401	194, 473 41, 104	9, 930, 173	4, 908, 050 1, 656, 292
Furniture, including store and office fixtures.	11 48	82 770	826 11, 123	846 17, 945	2, 102 14, 007	236, 843 1, 965, 577	14, 468, 102	12, 305, 850	4, 717, 796	3, 258, 707 48, 384, 942	31, 361, 296
Glass products (except mirrors) made from pur-	. 5	8	122		49	19, 160	107, 410	292, 606 1, 476, 594	4, 311	518, 198	221, 281
Ice cream	38 59	122 109	310 408	5, 609	3, 151 6, 365	251, 891 227, 651	448, 138 539, 172	1, 476, 594 112, 035	118, 072 319, 288	3, 460, 023 1, 995, 884	1, 865, 357 1, 564, 561
Iron and steel: Steel works and rolling mills.	16	855	12, 936	125,575	38, 255	2, 255, 287	23, 773, 982	46,068,956	319, 288 4, 422, 778 167, 843	93, 869, 519 14, 354, 329	43, 377, 785 2, 740, 928
Leather: Tanned, curried, and finished	9 8	44 29	1, 107 382	5, 623 20	501 7, 752	131, 659 67, 499	1, 131, 695 488, 022	11, 445, 558 619, 001	509, 585	2, 303, 878	1, 175, 292
Lumber and timber products, not elsewhere	245	388	7, 955	24, 519	868	999, 432	9, 126, 999	4, 978, 174	114, 170	23, 325, 903	18, 233, 559
Marble, granite, slate, and other stone products	- 6	12	28	46	264	32, 521	33, 698	54, 800	3, 803	191, 925	133, 322
Electrical machinery; apparatus, and supplies Explosives. Feeds, prepared, for animals and fowls. Flour and other grain-mill products. Foundry and machine-shop products, not elsewhere classified. Furniture, including store and office fixtures. Glass. Glass products (except mirrors) made from purchased glass. Loc cream. Ice, manufactured Iron and steel: Steel works and rolling mills. Leather: Tanned, curried, and finished. Lime. Lumber and timber products, not elsewhere classified. Marble, granite, slate, and other stone products. Mattresses and bed springs, not elsewhere classified. Paints and varnishes.	4	10	42		207	27, 550	55, 014 297, 512	186, 360 2, 629, 810	4, 691 100, 779	360, 260 3, 726, 014	169, 209 995, 425
Paints and varnishes	- 8	50 71	232 732	150 5 13, 340	2, 374 52, 099	235, 369 233, 600	910, 718	4, 010, 305	255, 210	6, 826, 291	2, 560, 776
Patent or proprietary medicines and compounds. Petroleum refining. Photo-engraving, not done in printing establish-	- 6	18	17 581	1,416	2, 207	26, 195 268, 952	17, 226 772, 010	89, 561 14, 316, 123	463 434, 697	244, 079 17, 268, 590	154, 055 2, 517, 770
Photo-engraving, not done in printing establish-	3	3	12	-, -, -	9	10, 192	20, 927	7, 337	936	50, 212	41, 939
Planing-mill products (including general mill-	1 3	'°	12		"	10, 102	20,021	.,501			
ments Planing-mill products (including general mill- work), not made in planing mills connected with sawmills	49	126	686	4, 132	3, 717	357, 168	780, 986	2, 602, 970	76, 227	4, 509, 286	1, 830, 089
Pottery, including porcelain ware	_ 22	265 101	5, 683	2, 817	5, 426 584	841, 206 257, 515	7, 135, 282 602, 191	3, 103, 029 464, 210	1, 068, 558 19, 239	15, 707, 704 1, 822, 922	11, 536, 117 1, 339, 443
Printing and publishing, newspaper and periodical	113	800	975	273 615	1, 615	1, 555, 909	1, 575, 959 105, 138	1, 154, 897 60, 449	72, 443 109, 378	6, 943, 987 347, 658	5, 716, 647 177, 831
Salt	7	15· 8	105 41		35	28, 232 24, 240	58, 909	70, 060	5, 664	259, 972	184, 248
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering	. 1	93	1, 346	500	3, 487	236, 398	1, 489, 150	3, 736, 054	136, 092	6, 985, 289	3, 113, 143
Stoves and ranges (other than electric) and warm-	4	15	129	60	146	53, 931	145, 523	162, 069	7, 408	443, 007	273, 530
air furnaces. Structural and ornamental iron and steel work,	- !	10	120		140	50,001	2.10, 0.40	202,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
not made in plants operated in connection with rolling mills	. 8	106	267		2, 136	276, 880	350, 673 790, 260	1, 582, 501	14, 813	3, 610, 044	2, 012, 730 1, 728, 449
Woolen goodsOther industries	- 7 134	56 1, 371	779 15,666	1, 115 35, 827	459 37, 799	191, 417 3, 582, 104	790, 260	1, 718, 884 64, 390, 108	54, 489 4, 324, 855	3, 501, 822 125, 113, 596	1, 728, 449 56, 398, 633
Contra mentagates	- -0-3	~, 5, 1		,	,	ll .,,	1	1	<u> </u>	1	<u> </u>

¹ The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General Explanations—Duplication in Cost of Materials and Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits, See General Explanations—Profits and Production Costs.

1 Not including data for 1,669 employees of central administrative offices, with salaries aggregating \$4,858,230. See General Explanations—Persons Engaged.

1 Includes item for the "Iron and steel: Blast furnaces" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

3 Includes item for the "Pulp (wood and other fiber)" industry. All data for that industry except those for power are included in the "Other industries" items to avoid disclosing the figures reported by an individual establishment.

TABLE 13.—GENERAL STATISTICS BY INDUSTRIES FOR THE WHEELING INDUSTRIAL AREA AND GENERAL STATISTICS COMBINED FOR ALL INDUSTRIES FOR IMPORTANT COUNTIES: 1929

(This table presents, for the Wheeling Industrial Area (See General, Explanations—Industrial Area), separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage carners or larger values of products than some of those shown separately. Brooke, Cabell, Hangock, and Ohio Counties are also industrially important, and it had been planned to publish statistics by industries for them. It is found, however, that no figures can be given for the leading industries in these counties without disclosing, exactly or approximately, the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total numbers of wage carners employed in all industries in the respective counties. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

The state of the s											
	Num- her of	Sal- laried	Wage earners	(RATED C	FOWER APACITY) B EQUIP- INT			COSCOLUIA-	Cost of fuel and pur-		Valuo
INDUSTRY	estab- lish- ments	and em-	(aver- age for the year)	Prime movers	Electric motors driven by pur-	Salaries	Wages	terials and containers for products	chased	Value of products a	added by manufac- ture *
					energy						

WHEELING INDUSTRIAL AREA

[This area comprises Brooke, Hancock, and Ohio Counties, W. Va., and Belmont, Columbiana, and Jefferson Counties, Ohio]

Processing the section of the sectio											
All industries, total	537	4, 480	45, 906	265, 965	180, 636	\$11, 596, 284	\$70, 728, 962	\$158, 883, 221	\$20, 483, 268	\$319, 433, 32 8	\$140, 066, 839
Beverages Bores, paper, not elsewhere classified Bores, wooden, except cigar boxes Fread and other bakery products Butter Chemicals, not elsewhere classified Clay products (other than pottery) and nonclay	19 3 4 60 6 4	24 10 12 38 1 15	92 66 63 539 5	360 112 44 100	355 148 420 1, 217 12 690	41, 564 19, 464 24, 580 70, 522 (1) 35, 087	118, 373 65, 307 67, 391 707, 197 7, 500 107, 182	273, 950 333, 440 271, 527 2, 015, 030 134, 423 1, 603, 303	23, 761 4, 481 8, 280 90, 454 1, 777 58, 768	651, 136 553, 218 432, 059 4, 092, 749 170, 471 2, 835, 186	353, 425 215, 297 152, 252 1, 987, 265 34, 271 1, 173, 115
refractories. Concrete products. Contestionery Cooperage. Flour and other grain-mill products. Foundry and machine-shop products, not else-	29 6 4 11 8	217 2 3 8 10	2,789 13 34 49 23	6, 473 15 10 320	6, 500 38 50 15 363	657, 885 (1) 6, 560 9, 405 16, 600	3, 529, 344 16, 507 25, 136 83, 865 30, 038	852, 765 24, 225 90, 543 247, 486 271, 530	1, 240, 832 623 2, 174 545 8, 839	8, 558, 205 58, 246 164, 254 412, 252 376, 172	6, 464, 608 33, 398 71, 537 164, 221 95, 803
where classified	32 8 7	246 29 81	1, 451 259 1, 193	1, 425 65 1, 444	6, 690 363 871	647, 825 88, 833 221, 456	2, 192, 214 318, 811 1, 476, 320	2, 993, 672 724, 205 473, 973	179, 385 10, 176 326, 254	8, 008, 280 1, 430, 809 3, 290, 896	4, 835, 223 696, 428 2, 490, 669
Glass products (except mirrors) made from pur- chased these less than the first product the street less manufactured. Iron and steel: Blast furnaces. Iron and steel: Steel works and rolling mills. Lumber and timber products, not elsewhere clas-	3 18 19 6 18	12 44 27 93 1, 314	121 113 104 758 18, 032	290 1, 025 }235, 151	1, 235 2, 328 112, 055	27, 396 85, 846 62, 728 240, 482 3, 486, 152	163, 146 1, 375, 959	282, 410 576, 975 42, 495 15, 871, 650 73, 676, 806	5, 805 44, 066 116, 512 4, 935, 950 6, 335, 058	554, 169 1, 237, 372 619, 271 24, 383, 635 140, 357, 807	265, 954 616, 331 460, 264 3, 576, 035 60, 345, 943
sified	7	4	44	270	155	5, 500	46, 160	35, 550	2,950	135, 675	97, 175
Planing-mill products (including general mill-work), not made in planing mills connected	5	39	187	1, 380	687	141, 576	281, 337	1, 844, 768	51,803	2, 740, 771	844, 200
with sawmills Pottery, including porcelain ware. Printing and publishing, book and job Printing and publishing, newspaper and periodi-	10 39 25	35 401 40	8, 096 163	3, 923	1, 018 9, 963 277	72, 050 1, 344, 075 85, 080	144, 199 10, 122, 253 231, 811	253, 866 4, 740, 235 200, 640	12,975 1,564,388 9,759	562, 876 22, 612, 309 814, 084	296, 035 16, 397, 686 603, 685
cal. Stamped ware, enameled ware, and metal stamp-	29	385	367	149	632	491, 555	581,606	477, 198	32, 658	2, 795, 888	2, 286, 032
ing, enameling, japanning, and lacquering. Stoves and ranges (other than electric) and warm-	5	98	962		3, 318	175, 754	1, 197, 171	3, 231, 680	82, 813	6, 114, 529	2, 800, 038
air furnaces. Structural and ornamental iron and steel work.	5	37	302	100	475	86, 123	418, 787	647, 250	22,713	1, 527, 809	857, 846
not made in plants operated in connection with rolling mills Tools, not including edge tools, machine tools,	4	95	257		1,877	231, 550	348, 292	1, 644, 018	17, 955	3, 768, 861	2, 106, 888
files, or saws. Other industries	3 131	15 I, 145	89 9, 545	50 13, 259	310 28, 549	34, 452 3, 186, 175		171, 189 44, 876, 419	20, 149 5, 271, 365	443, 184 79, 731, 155	251, 846 29, 583, 371

BROOKE COUNTY

[The most important industry in this county in 1929 was "Iron and steel: Steel works and rolling mills." (See headnote)]

All industries, total	23	361	3, 389	3, 595	24, 023	\$997,659	\$5, 470, 114	\$9,902,142	\$3, 187, 972	\$24, 183, 793	\$11, 093, 679
									<u> </u>		

CABELL COUNTY

[The most important industries in this county in 1929 were "Car and general construction and repairs, steam-railroad repair shops," as measured by number of wage estrers, and "Nonferrous-metal alloys and products," as measured by value of products. (See headnote)]

	-				And the second s
All industries, total	100 887	8, 479 8, 078	39, 001 \$2, 271, 345 \$11, 200, 846	\$25, 097, 766 \$1, 610, 649	\$53, 768, 167 \$27, 059, 752
Charles and the control of the contr					

HANCOCK COUNTY

[The most important industry in this county in 1929 was "Iron and steel: Steel works and rolling mills." (See headnote)]

All industries, total	45	535 11, 264	109, 330	6,800	\$1, 571, 788	\$19, 559, 051	\$33, 811, 707	\$6, 178, 430	\$75, 219, 211	\$35, 229, 074
						1	***************************************			

OHIO COUNTY

[The most important industries in this county in 1929 were "Iron and steel; Steel works and rolling mills," as measured by number of wage earners, and "Meat packing, wholesale," as measured by value of products. (See headnote)]

All industries, total	118 1, 137	7,764	12, 143	20, 798 \$2, 769, 428	\$10, 428, 351	\$33, 200, 398	\$1, 149, 122	\$61, 256, 619	\$26,907,009
									

See General Explanations—Duplication in Cost of Materials and Value of Products.
 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

¹ Withheld to avoid disclosing compensation of individual officers or employees; included in items for "Other industries."

WISCONSIN

TABLE 1.—SUMMARY FOR THE STATE: 1899 TO 1929

[Data for the "Antomobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1921 and subsequent years was \$5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

	Num-	Wage	HORSEPOW.	ER (RATED VER EQUIPM			COST OF MATER	HALS, CONTAINER PURCHASED ELEC	S FOR PROD- TRIC ENERGY		
YEAR OR PERIOD	ber of estab- lish- ments	earners (average for the year)1	Total	Prime movers	Electric inotors driven by pur- chased energy	Wages	Total ?	Materials and containers	Fuel and purchased energy	Value of products ?	Value added by manu- facture ³
1029 1027 1925 1923 1921	7, 832	264, 745 247, 722 247, 341 247, 851 191, 770	1, 239, 394 1, 048, 228 1, 009, 015 929, 889 (5)	618, 932 598, 311 630, 203 602, 837	620, 462 449, 917 378, 812 327, 052 (5)	\$352, 490, 893 322, 697, 105 314, 883, 011 297, 160, 064 214, 140, 684	\$1, 206, 840, 087 1, 153, 327, 898 1, 084, 747, 480 1, 001, 501, 870 727, 940, 842	\$1, 161, 664, 803 1, 110, 321, 838 (4) (4) (4)	\$45, 175, 194 43, 006, 060 (1) (1)	\$2, 156, 681, 769 1, 973, 653, 261 1, 859, 243, 930 1, 720, 198, 349 1, 214, 860, 521	\$049, 841, 682 820, 325, 363 774, 496, 450 718, 696, 479 486, 919, 679
1919 1914 1900 1904 1899	10, 393 9, 104 9, 721 8, 558 7, 841	263, 949 194, 310 182, 583 151, 391 137, 525	874, 320 676, 848 552, 800 438, 368 362, 968	664, 850 596, 864 527, 431 429, 810 360, 542	209, 470 79, 984 25, 459 8, 558 2, 426	290, 440, 561 112, 103, 103 93, 904, 808 71, 471, 805 55, 695, 816	1, 127, 274, 961 417, 415, 074 346, 356, 583 227, 255, 092 185, 695, 393	1, 084, 868, 069 401, 237, 307 333, 208, 904 219, 152, 120 (9)	42, 408, 892 16, 177, 767 13, 147, 679 8, 102, 972 (*)	1, 846, 984, 307 695, 172, 002 590, 305, 538 411, 139, 681 326, 752, 878	719, 709, 346 277, 756, 928 243, 948, 955 183, 884, 589 141, 057, 485
					Р	ER CENT OF INC	REASE OR DECRE	ASE (—)			
1027-1929 1925-1927 1923-1925 1921-1923 1919-1921	$ \begin{array}{r} -0.6 \\ 2.0 \\ -7.3 \\ 7.4 \\ -29.8 \end{array} $	6. 9 0. 2 -0. 2 29. 2 -27. 3	18. 2 3. 9 8. 5	3.4 5.1 4.5	37, 9 18, 8 15, 8	9. 2 2. 5 6. 0 38. 8 -26. 3	4. 6 6. 3 8. 3 37. 6 —35. 4	4.6		9. 3 6. 2 8, 1 41, 6 34. 2	15. 8 5. 9 7. 8 47. 6 —32. 3
1019-1029 1009-1919 1899-1000	-28.5 6.9 24.0	0.3 44.6 32.8	41. 8 58. 1 52. 3	-6.9 26.1 46.3	196. 2 722. 8 949. 4	21. 4 209. 3 68. 6	7. 1 225. 5 86. 5	7. 1 225. 6	6. 5 222. 5	16. 8 212, 9 80. 7	32. 0 195. 0 72. 9

1 Not including salaried employees.
2 The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.

§ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

§ Not called for on schedule.
§ No comparable data.

TABLE 2.—SUMMARY FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929

TABLE 2.—SUMMARY FOR	י או הוודרי	LLI W A	UKEE.	TIMDOS	OI MIALI A	REA AND	FOR COUP	ATTES VI	ID CITTES	: 1929
	Popula-	Num- ber of estab-	Wage earners (average	Horse-	Wages	COST OF MAT PRODUCTS, ELECTRIC EN	TERIALS, CONTA FUEL, AND HERGY	INERS FOR PURCHASED	Value of	Value added by
	tion, 1930	lish- ments	for the year)	power 2	, ages	Total	Materials and containers	Fuel and purchased energy	products	manufac- ture
The State	2, 939, 006	7, 431	264, 745	1, 239, 394	\$352, 490, 893	\$1, 206, 840, 087	\$1, 161, 664, 893	\$45, 175, 194	\$2, 156, 681, 769	\$949, 841, 682
Milwaukee Industrial Area 3	878, 757	2, 218	144, 760	524, 947	211, 345, 067	616, 224, 699	594, 201, 445	22, 023, 254	1, 166, 493, 769	550, 269, 070
Counties 4					1 1				100.000	***
Adams	21, 054 34, 301 15, 006 70, 249	7 40 60 21 171	117 1, 180 735 738 4, 809	226 7, 704 4, 958 6, 040 38, 745	191, 994 1, 348, 492 722, 409 843, 740 6, 334, 506	260, 806 2, 174, 001 5, 361, 846 2, 203, 998 22, 643, 106	241, 839 2, 016, 489 5, 242, 821 2, 075, 183 21, 276, 933	19, 057 157, 512 119, 025 128, 815 1, 366, 173	493, 857 4, 888, 580 7, 844, 363 4, 827, 839 39, 680, 413	232, 961 2, 714, 579 2, 482, 517 2, 623, 841 17, 037, 307
Buffalo	15, 330 10, 233 16, 848 37, 342 34, 165	24 17 68 84 129	86 48 540 1, 200 647	608 367 2, 910 21, 463 3, 839	98, 221 49, 437 589, 585 1, 323, 507 660, 400	1, 941, 613 862, 287 4, 205, 001 7, 564, 410 6, 112, 606	1, 919, 453 857, 367 4, 040, 411 7, 313, 806 5, 985, 100	22, 160 4, 920 164, 590 250, 604 127, 506	2, 258, 347 986, 124 6, 073, 823 11, 404, 970 8, 252, 622	316, 734 123, 837 1, 868, 822 3, 840, 560 2, 140, 016
Columbia	30, 503 16, 781 112, 737 52, 092 18, 182	70 51 255 210 35	933 397 4, 220 8, 417 377	3, 611 1, 430 14, 401 10, 630 1, 810	866, 932 384, 985 6, 038, 260 3, 879, 500 429, 278	5, 773, 693 1, 992, 853 28, 633, 890 15, 741, 472 4, 104, 277	5, 598, 904 1, 949, 582 27, 996, 470 15, 136, 990 4, 040, 062	174, 789 43, 271 637, 420 604, 482 64, 215	8, 561, 192 2, 923, 808 46, 934, 075 28, 210, 250 5, 232, 201	2, 787, 499 930, 955 18, 300, 185 12, 468, 778 1, 127, 924
Douglas Dunn Eau Claire Fond du Lac Prorest.	46, 583 27, 037 41, 087 59, 883 11, 118	61 44 98 162 19	1, 741 802 8, 650 4, 324 1, 187	15, 167 2, 566 24, 540 12, 514 3, 618	2, 435, 582 840, 855 4, 164, 148 5, 142, 746 1, 106, 603	15, 619, 275 4, 153, 823 16, 489, 843 18, 718, 018 1, 056, 127	13, 507, 866 4, 057, 518 15, 861, 419 18, 081, 225 1, 028, 974	2, 111, 409 96, 305 628, 424 636, 793 27, 153	21, 989, 990 5, 020, 479 24, 944, 151 31, 908, 684 3, 732, 318	6, 370, 715 866, 656 8, 454, 308 13, 190, 666 2, 676, 191
Grant Green Green Lake Green Lake Green Lake Green Lake Green Lake Green Lake Green Lawa Green G	38, 469	95 151 29 140 11	281 304 890 263 178	1, 271 1, 793 1, 043 2, 314 391	307, 000 398, 133 395, 096 303, 101 197, 301	3, 680, 451 5, 179, 215 3, 113, 776 3, 478, 047 402, 046	3, 610, 794 5, 054, 169 3, 034, 426 3, 334, 524 397, 362	69, 657 125, 046 79, 350 143, 523 4, 684	4, 684, 364 6, 903, 833 4, 668, 947 4, 611, 890 897, 339	1, 003, 913 1, 724, 618 1, 555, 171 1, 133, 848 495, 293
Jackson Jefferson Juneau Kenosha ^a Kewaunee	17, 264 63, 277	27 102 25 62 76	156 2, 868 123 11, 544 862	1, 437 8, 955 741 46, 428 3, 225	155, 477 3, 181, 490 169, 413 18, 410, 702 913, 908	1, 543, 835 13, 703, 509 1, 475, 840 60, 378, 265 3, 612, 731	1, 519, 465 13, 306, 045 1, 447, 800 58, 691, 832 3, 523, 777	24, 370 397, 464 28, 040 1, 686, 433 88, 954	1, 864, 199 23, 834, 706 1, 866, 714 97, 582, 456 6, 077, 313	320, 364 10, 131, 197 390, 874 37, 204, 191 2, 464, 582

See footnotes at end of table.

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Table 2.—SUMMARY FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR COUNTIES AND CITIES: 1929—Con.

	Popula-		:	COST OF MAT PRODUCTS, ELECTRIC EN	ERIALS, CONTA FUEL, AND ERGY	INERS FOR PURCHASED	Value of	Value added by		
	tion, 1930	lish- ments	for the		Wages	Total	Materials and containers	Fuel and purchased energy	products	manufac- ture
Counties Continued										
La Crosse	54, 455	117	5,742	12, 095	\$6, 131, 457	\$12, 990, 446	\$12, 416, 606	\$573, 840	\$27, 704, 325	\$14, 713, 879
	18, 649	110	184	2, 104	272, 305	3, 500, 006	3, 899, 146	100, 860	4, 523, 340	1, 023, 334
	21, 544	34	937	2, 487	1, 009, 895	1, 900, 735	1, 810, 800	90, 435	4, 374, 188	2, 473, 453
	21, 072	65	1,807	24, 024	1, 719, 706	5, 635, 176	5, 357, 246	277, 930	10, 184, 427	4, 549, 251
	58, 674	194	7,050	33, 067	8, 570, 578	28, 129, 787	26, 907, 142	1, 222, 645	49, 861, 501	21, 731, 714
Marathon Marinette Marquotte Milwankee 4 Monroe	70, 629	211	4, 861	36, 838	5, 274, 860	20, 316, 304	19, 461, 430	854, 874	34, 720, 594	14, 404, 290
	33, 530	72	2, 901	30, 127	3, 098, 237	12, 070, 563	11, 574, 208	496, 355	19, 638, 550	7, 567, 987
	9, 388	13	123	577	163, 830	635, 463	626, 271	9, 192	912, 601	277, 138
	726, 263	1, 939	117, 658	421, 681	170, 962, 354	478, 173, 932	460, 428, 914	17, 745, 018	912, 201, 503	434, 087, 571
	28, 789	39	182	1, 066	196, 323	3, 819, 093	3, 759, 165	59, 928	4, 812, 817	993, 724
Oconto Oneida Outagamie Ozaukee Pepin	26, 386	84	1, 580	9, 003	1, 473, 135	5, 324, 897	5, 095, 242	229, 655	8, 554, 344	3, 229, 447
	15, 899	27	1, 802	17, 409	1, 887, 356	4, 597, 783	4, 311, 011	286, 772	8, 801, 018	4, 203, 235
	62, 790	167	5, 406	84, 166	6, 585, 707	26, 977, 454	24, 898, 523	2, 078, 931	44, 296, 210	17, 318, 765
	17, 394	73	1, 374	4, 816	1, 430, 802	3, 947, 630	3, 784, 012	163, 618	7, 855, 386	3, 907, 756
	7, 450	10	94	373	87, 700	1, 722, 356	1, 704, 170	18, 186	1, 973, 799	251, 443
Pierce. Polk. Portage. Prico. Racine !	21, 043 26, 567 33, 827 17, 284 90, 217	26 59 52 47 217	136 279 1, 553 1, 585 15, 558	2, 128 20, 409 13, 456 56, 848	156, 567 265, 789 1, 679, 901 1, 639, 211 21, 972, 011	2, 198, 660 3, 886, 486 6, 771, 615 3, 568, 842 77, 672, 502	2, 172, 283 3, 833, 416 6, 396, 884 3, 323, 896 75, 080, 690	26, 377 53, 070 374, 731 244, 946 2, 591, 803	2, 565, 952 4, 864, 057 12, 048, 858 6, 957, 059 156, 649, 810	367, 292 977, 571 5, 277, 243 3, 388, 217 78, 977, 308
Righland Rock Rusk St. Croix	19, 525 74, 206 16, 081 25, 455 32, 030	83 119 28 49 74	192 9,585 617 544 615	1, 465 27, 117 11, 916 3, 312 3, 164	218, 955 14, 430, 363 577, 066 717, 087 570, 091	3, 462, 166 84, 089, 708 2, 835, 245 4, 770, 633 4, 539, 554	3, 393, 780 82, 856, 711 2, 735, 948 4, 677, 363 4, 421, 244	68, 386 1, 232, 997 99, 297 93, 270 118, 310	4, 396, 529 147, 300, 223 4, 596, 821 6, 139, 094 6, 030, 480	934, 363 63, 210, 515 1, 761, 576 1, 368, 461 1, 490, 926
Shawano Sheboygan ⁸ Taylor Trempealeau Vernon	33, 516	136	1, 201	5, 947	1, 243, 169	5, 480, 621	5, 329, 760	150, 861	8, 365, 478	2, 884, 857
	71, 235	248	10, 000	26, 860	12, 478, 285	29, 342, 855	28, 027, 622	1, 315, 233	55, 548, 246	26, 205, 391
	17, 685	39	651	2, 932	566, 176	2, 630, 927	2, 614, 967	24, 960	3, 854, 814	1, 214, 887
	23, 910	31	134	1, 461	135, 720	3, 831, 525	3, 781, 428	50, 097	4, 431, 606	600, 081
	28, 537	45	122	1, 214	127, 758	3, 577, 179	3, 514, 909	62, 270	4, 525, 490	948, 311
Vilas	7, 294	8	409	1, 741	431, 507	687, 220	677, 268	9, 952	1, 422, 092	734, 872
Walworth	31, 058	42	799	2, 305	753, 976	3, 818, 904	8, 701, 613	117, 291	6, 378, 793	2, 559, 889
Washburn	11, 103	12	110	205	162, 325	613, 455	584, 928	28, 527	873, 883	260, 428
Washington	26, 551	73	2, 053	6, 994	2, 142, 974	9, 801, 858	9, 519, 478	282, 380	17, 069, 167	7, 267, 309
Waukesha	52, 358	96	4, 241	14, 773	5, 718, 652	18, 357, 897	17, 733, 187	624, 710	37, 152, 320	18, 794, 423
Waupaca	83, 513	89	1, 471	5, 554	1, 390, 349	9, 241, 532	9, 059, 590	181, 942	12, 947, 618	3, 706, 086
	14, 427	19	78	1, 182	96, 426	934, 378	913, 933	20, 445	1, 220, 046	285, 608
	76, 622	214	10, 491	50, 079	11, 438, 928	35, 333, 146	33, 785, 973	1, 547, 173	63, 244, 885	27, 911, 739
	37, 865	102	2, 537	52, 504	3, 042, 211	16, 804, 644	15, 212, 558	1, 592, 086	26, 617, 333	9, 812, 680
	12, 646	18	363	754	298, 200	657, 160	033, 463	23, 697	1, 846, 656	1, 189, 496
Cities having 10,000 inhabitants or more 7	25 987	74	2, 798	25 585	3 210 042	11 979 7 0 7	10 485 025	913, 682	10 600 600	8 949 AVE
Appleton	25, 267 10, 622 23, 611 26, 287 26, 449	20 36 79 65	3, 452 3, 002	25, 565 4, 624 17, 160 23, 300 9, 024	3, 219, 042 801, 778 7, 463, 598 3, 931, 441 3, 800, 784	11, 378, 707 1, 245, 932 12, 399, 988 14, 990, 242 10, 953, 367	10, 465, 025 1, 097, 764 11, 706, 568 14, 401, 076 10, 499, 246	148, 168 693, 420 589, 166 454, 121	10, 622, 502 2, 703, 510 28, 005, 687 22, 956, 255 20, 260, 661	8, 243, 795 1, 547, 587 15, 605, 699 7, 966, 013 9, 307, 294
Green Bay	37, 415	94	3, 814	26, 522	5, 122, 939	16, 210, 160	15, 116, 465	1, 093, 695	29, 103, 273	12, 893, 113
	21, 628	49	4, 255	5, 416	5, 602, 134	67, 551, 627	67, 137, 317	414, 310	112, 418, 150	44, 866, 523
	50, 262	57	11, 478	45, 737	18, 329, 920	60, 164, 831	58, 505, 633	1, 659, 198	97, 051, 248	36, 886, 417
	39, 614	97	5, 523	10, 929	5, 935, 569	11, 004, 325	10, 469, 034	535, 291	25, 045, 694	14, 041, 369
	57, 899	110	3, 488	10, 990	5, 159, 464	22, 474, 378	21, 980, 429	493, 944	38, 104, 240	15, 629, 867
Manitowoo	22, 963	67	3, 798	19, 998	4, 694, 614	17, 445, 664	16, 648, 380	797, 284	29, 063, 912	11, 618, 248
	13, 734	29	1, 739	14, 828	1, 668, 165	6, 409, 645	6, 091, 778	817, 867	10, 335, 271	3, 925, 626
	578, 249	1, 769	94, 873	333, 830	136, 775, 336	361, 052, 449	347, 403, 841	13, 648, 608	700, 760, 456	339, 708, 007
	40, 108	119	6, 572	18, 760	6, 982, 626	15, 506, 399	15, 008, 596	497, 803	31, 901, 015	16, 454, 616
	67, 542	184	12, 898	48, 006	18, 618, 893	67, 025, 296	64, 703, 196	2, 322, 100	132, 739, 830	65, 714, 540
Sheboygan South Milwaukee Stevens Point Superior Watertown	39, 251	107	6, 191	15, 957	6, 660, 573	14, 712, 765	14, 056, 655	656, 110	20, 590, 191	14, 877, 426
	10, 706	21	2, 076	9, 939	2, 626, 048	6, 037, 492	5, 629, 533	407, 959	14, 984, 781	8, 947, 239
	13, 623	29	1, 021	7, 414	1, 075, 251	2, 936, 406	2, 786, 672	149, 734	5, 932, 914	2, 996, 508
	36, 113	57	1, 484	14, 822	2, 018, 715	15, 209, 010	13, 119, 703	2, 089, 316	21, 093, 710	5, 884, 691
	10, 618	37	1, 199	4, 395	1, 220, 540	6, 331, 763	6, 187, 586	144, 177	9, 756, 648	3, 424, 885
Waukesha	17, 176	56	3, 536	10, 150	4, 932, 315	12, 216, 841	11, 725, 321	491, 520	28, 534, 632	16, 817, 791
	23, 758	63	2, 696	10, 149	2, 726, 811	6, 772, 656	6, 548, 442	224, 214	13, 506, 790	6, 734, 134
	21, 194	19	397	1, 978	549, 238	905, 338	858, 106	47, 232	2, 095, 072	1, 189, 734
	34, 671	62	10, 146	27, 187	15, 905, 894	31, 054, 635	29, 699, 081	1, 355, 604	68, 808, 937	37, 754, 302

I Not including salaried employees.

Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.

The Milwaukee Industrial Area comprises Kenosha, Milwaukee, and Racine Counties. For statistics by industries for the area and for Milwaukee County, see Table 13.

Statistics are presented for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing approximations of the data supplied by individual establishments, and combined figures are given for the remaining counties (Florence and Sawyer). Sawyer County, however, reported a larger number of wage earners and a larger value of products than some of those shown separately.

For statistics by industries for this county, see Table 13.

Soc footnots 4.

Not including Cudahy, Shorewood, and Two Rivers, each of which reported more than 10,000 inhabitants at the census of 1930. It is necessary to withhold the figures for these cities from publication to avoid disclosing approximations of the data for individual establishments.

Because of the amount of manufacturing industry in this city, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the leading industries—analey, "Motor-vehicle bodies and motor-vehicle parts" and "Motor vehicles, not including motorcycles"—without rendering it possible to calculate (by subtracting the figures for these industries in Milwaukee from the corresponding ones for Milwaukee County) the figures for the same industries in Milwaukee County outside the city, the publication of which would desclose close approximations of the data for individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earners employed in all industries. Under these conditions the publication of statistics for those industries for

Table 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	A	LL CLASSES	3		etors ad MEMBER		PRINCIPAL SALARIED OFFICERS OF CORPORATIONS				ALARIED O D EMPLOYI		WAGE EARNERS (AVERAGE FOR THE YEAR)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Malo	Female
1929 1 1919 1.4 1914 4 1909	313, 139 317, 899 230, 273 213, 426	261, 312 265, 652 199, 282 186, 350	51, 827 52, 247 81, 041 27, 076	3,742 7,951 7,425 8,556	3, 585 7, 732 7, 144 8, 327	157 219 281 229	² 5, 665 4, 637 3, 127 2, 351	5,410 4,466 3,039 2,299	² 255 171 88 52	² 38, 987 41, 362 25, 411 19, 936	² 27, 450 29, 816 20, 518 16, 623	11,537 11,546 4,893 3,313	204, 745 203, 949 194, 310 182, 583	⁸ 224, 867 223, 638 168, 531 159, 101	* 39, 878 40, 311 25, 779 23, 482

1 No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.
2 Not including employees of central administrative offices, as follows: Principal salaried officers of corporations—total, 235; male, 231; female, 4. Other salaried officers and employees—total, 5,629; male, 3,579; female, 2,059. The corresponding data for 1919 and earlier years are included in the respective items for those years but were not tabulated separately. See General Explanations—Persons Engaged.
3 Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See General Explanations—Persons Engaged.
4 Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

the census of manufactures.

TABLE 4.-WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. maximum employment is indicated by bold-faced figures and that of minimum employment by *flatic* figures] The month of

•	Average number		1	NUMBER E	MPLOYED O	N 15TH DA	OF MONT	H OR NEAR	EST REPRE	SENTATIVE	DAY			Per
CENSUS YEAR	em- ployed during year	January	February	March	April	May	June	July	August	Septem- ber	Octo- ber	Novem- ber	Decem- ber	mini- mum is of maxi- mum
1929 1 1919 1 1914 1 1906 1	264, 745 263, 949 194, 310 182, 583	255, 781 258, 127 197, 347 174, 937	262, 681 257, 090 203, 166 178, 091	205, 049 255, 117 206, 512 179, 007	265, 954 250, 475 190, 210 173, 561	267, 218 250, 122 196, 041 176, 625	266, 788 256, 340 196, 523 180, 691	280, 753 268, 411 108, 170 184, 290	271, 000 266, 925 193, 475 185, 556	268, 637 207, 343 190, 652 185, 592	270, 220 274, 142 187, 342 188, 664	250, 018 279, 177 182, 227 191, 447	246, 777 284, 119 182, 056 192, 527	87. 9 88. 0 88. 6 90. 1

1 The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures.

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Number of establish- ments	Wage carners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Number of establish- ments	Wage earners (a verage for the year)
All classes Not reported Under 40 40 Over 40 but under 44 44 and over but under 45	7, 431 280 76 75 63 620	264, 745 706 568 3, 959 1, 006 14, 089	45 and over but under 48		8, 044 39, 022 102, 916 11, 054 57, 546 24, 685

TABLE 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1909 include data for all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See GENERAL EXPLANATIONS—Establishments Covered—Size]

CLASS	NUMBE	R OF EST	Cablish-		ARNERS (AVERAGE (EAR)	CLASS	NUMBE	R OF ES	Pablish-	WAGE EA	ARNERS (A OR THE Y	
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	7, 431	10, 393	9, 721	264, 745	263, 949	182, 583	51 to 100	339	855	314 232	24, 330	24, 073	22, 337
No wage earners	3, 934 1, 279 706	1, 636 5, 854 1, 377 652	1, 343 5, 818 1, 327 538	7, 935 14, 140 22, 803	9, 720 14, 869 20, 935	10, 201 14, 806 17, 422	101 to 250 251 to 500 501 to 1,000 1,001 to 2,500 2,501 and over	309 126 46 30 8	306 120 67 } 27	232 100 37 12	49, 725 44, 036 31, 329 40, 179 30, 268	24, 973 48, 211 41, 301 45, 213 } 58, 727	22, 387 36, 767 33, 765 24, 553 22, 732

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909 [The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 of the 1909 census of manufactures]

	iuub un	101 11	10 1141	0111010110						·		
VALUE OF PRODUCTS		ER,OF		WAGE I	EARNERS OR THE	(AVER- YEAR)	ΔΥ .	LUE OF PRODUCT	s	VALUE AD	DED BY MANU	FACTURE 1
THE OF PRODUCTS	1929	1919	1909	1929			1929	1919	1909	1929	1919	1909
All establishments	7, 431	10, 393	9, 721	264, 745	263, 949	182, 583	\$2, 156, 681, 769	\$1, 846, 984, 307	\$590, 305, 538	\$949, 841, 682	\$719, 709, 346	\$243, 948, 955
Less than \$5,000_ \$5,000 to \$19,999_ \$20,000 to \$99,999_ \$20,000 to \$49,999_ \$50,000 to \$99,999_	(2) 2, 211 3, 186 2, 221 965	2, 034 2, 719 3, 778 (³) (³)	3, 071 3, 707 2, 064 (3) (8)	(2) 4, 095 15, 637 6, 847 8, 790	1.142	3, 458 11, 417 26, 965 (³) (³)	(2) 26, 618, 327 138, 687, 954 71, 485, 966 67, 201, 988	5, 180, 694 30, 217, 974 171, 478, 121	7, 615, 812 39, 712, 619 86, 957, 668 (3) (3)	(2) 12, 346, 410 51, 967, 566 23, 879, 415 28, 088, 151	3, 077, 464 13, 805, 439 43, 998, 107 (3)	4, 457, 314 13, 837, 468 32, 235, 366 (3) (8)
\$100,000 to \$499,999 \$100,000 to \$249,999 \$250,000 to \$499,999	1,370 912 458	1, 274 (8) (8)	793	47, 222 22, 133 25, 089	49, 743 (3) (3) (3) 36, 452	88, 003	309, 483, 353 146, 173, 902 163, 309, 451 216, 080, 294	270, 722, 672 (3) (4) 188, 577, 779	227, 934, 734	145, 804, 909 66, 163, 314 79, 641, 595 101, 494, 667	111, 670, 026 (³) (³) 85, 071, 930	102, 700, 393
\$1,000,000 and over \$1,000,000 and started \$1,000,000 to \$2,499,999 \$2,500,000 to \$4,999,999 \$5,000,000 and over	308 356 220 71 65	316 (³) (³) (³)	[164, 109 49, 437 29, 347 85, 325	1	l	1, 465, 811, 841 345, 164, 087 241, 149, 359 879, 498, 395	1, 180, 807, 067	228, 084, 707 (3) (3) (3) (3)	638, 228, 130 158, 101, 186 113, 612, 518 366, 514, 426	461, 996, 380 (3) (3) (8)	90, 718, 414 (3) (3) (3) (3)

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See GENERAL EXPLANATIONS—Profits and Production Costs.

1 No data.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

	NUMBER (WAGE EA		VALUE OF	PRODUCTS	VALUE ADDEI FACTU	
TYPE OF OWNERSHIP OR CONTROL, AND OF OPERATION	1929	1919	1929	1919	1929	1919	1929	1919
Total	7,431	10, 393	264, 745	263, 949	\$2, 156, 681, 769	\$1, 846, 984, 307	\$949, 841, 682	\$719, 709, 346
TYPE OF OWNERSHIP OR CONTROL Corporate ownership or control Other forms of ownership or control (individual, partnership, etc.)	3, 704 3, 727	3, 047 7, 346	250, 082 14, 663	244, 454 19, 495	2, 029, 319, 820 127, 361, 949	• 1, 614, 831, 541 232, 152, 766	906, 134, 138 43, 707, 544	669, 430, 146 50, 279, 200
TYPE OF OPERATION Central-administrative-office (plural-unit) Independent (single-unit)	828 6, 603	(1)	109, 454 155, 291	(!) (!)	1, 053, 117, 062 1, 103, 564, 707	(1) (1)	432, 551, 461 517, 290, 221	(1)

¹ Not tabulated.

Table 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE, 1929, 1927, 1925, 1919, AND 1914, AND FOR THE MILWAUKEE INDUSTRIAL AREA AND IMPORTANT COUNTIES, 1929

	·												1	
		PI	SIME MO	VERS AND	ELECTR	C MOTORS	DRIVE	N BY PUR	CHASED	ENERGY	1		ELECTRIC	MOTORS EN BY
			199		Pri	me mover	3	1 1			Electric	e motors	ENERG	Y GEN- ED IN
	Aggregate horsepower	Total horse-	Steam	engines	Steam	turbines		nal-com- n engines	and	r wheels water bines	driven	by pur- energy	ESTABLISHMENTS REPORTING	
		of prime movers	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power
The State: 1929 1927 1925 1919 1914	1, 239, 394 1, 048, 228 1, 009, 015 874, 320 676, 848	618, 932 598, 311 630, 203 664, 850 596, 864	3, 056 2, 999 3, 442 4, 111 25, 052	303, 480 297, 915 348, 320 394, 710 2 420, 065	332 286 182 330 (8)	144, 359 121, 455 89, 753 72, 814 (³)	484 666 908 1,612 1,564	9, 877 11, 983 12, 643 16, 706 28, 004	496 509 649 897 993	161, 210 166, 958 179, 487 180, 620 148, 795	76, 715 60, 155 48, 332 27, 214 10, 979	620, 462 449, 917 378, 812 209, 470 79, 984	38, 352 36, 265 36, 253 21, 590 12, 941	427, 209 419, 528 360, 058 263, 714 175, 684
Milwaukee Industrial Area	524, 947	170, 696	449	112, 511	62	54, 314	22.	3, 758	4	113	39, 345	354, 251	22, 683	201, 358
Brown. Kenosha. Manitowoe. Marathon.	38, 745 46, 423 33, 067 36, 838	15, 520 17, 895 13, 996 27, 328	71 10 90 120	7, 316 4, 495 48, 584 7, 785	19 7 5 17	3, 444 13, 400 5, 197 6, 911	2 12 15	10 215 97	36 1 26	4, 750 (4) 12, 535	1, 988 2, 012 3, 006 1, 244	23, 225 28, 528 19, 071 9, 510	505 3, 577 753 958	5, 828 28, 550 12, 380 23, 433
Marinette Milwaukee Outagamie Racine	30, 127 421, 681 84, 166 56, 843	24, 112 130, 060 57, 823 22, 741	38 377 74 62	6, 158 89, 674 11, 315 18, 342	51 15 4	1, 476 36, 664 20, 179 4, 250	10 19 6 3	26 3, 722 26 36	19 115 4	16, 452 26, 303 113	536 31, 676 2, 031 5, 657	6, 015 291, 621 26, 343 34, 102	290 17, 769 1, 524 1, 337	8, 372 157, 329 29, 952 15, 479
Rock	27, 117	6, 502 16, 632 33, 766 38, 208	37 132 101 50	4, 530 15, 589 15, 423 4, 110	6 10 24 8	38 411 16, 656 13, 936	15 40 7 9	1, 171 432 107 46	12 2 33 23	763 200 1, 580 20, 116	3, 403 1, 823 2, 684 1, 027	20, 615 10, 228 16, 313 14, 296	698 2, 005 2, 340 895	4, 932 13, 355 21, 802 25, 474

Date for the "Automobile repairing industry" are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection

Not tabulated separately.

with the census of manufactures.

Reported as "Steam engines and turbines."

Not reported separately. See footnote 2.

Item for water wheels and water turbines included with that for steam engines to avoid disclosing data for a single establishment.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See footnote 4 on that table]

COUNTY		VERS AND PRIVEN BY P		Electric motors—	COUNTY	PRIME MO MOTORS I ENERGY	VERS AND DRIVEN BY I		Electric motors—
	Aggregate	Prime movers	Electric motors	energy 1		Aggregate	Prime movers	Electric motors	plant energy 1
The State	1, 239, 394	618, 932	620, 462	427, 209	Marathon Marinette	36, 838	27, 328	9, 510	23, 433
AdemsAshlandBarronBayfieldBsrown	6,040	213 4, 902 3, 108 4, 358	13 2, 802 1, 850 1, 682	230 1, 809 868 98	Marquette Milwaukee Monroe	30, 127 577 421, 681 1, 066	24, 112 453 130, 060 632	6,015 124 291,621 484	8, 372 779 157, 329 100
Buffalo Burnett Calumet Chippewa		15, 520 463 264 1, 095	23, 225 145 103 1, 815	5, 828	Oconto. Oneida. Outagamie. Ozaukee. Pepin.	9, 003 17, 409 84, 166 4, 816 373	8, 385: 18, 055 57, 823 3, 061 159	618 1, 354 26, 343 1, 755 214	3, 352 8, 555 29, 952 1, 106
Columbia	3, 839 3, 611 1, 430 14, 401	19, 930 2, 518 1, 370 1, 141 3, 832	1, 538 1, 321 2, 241 289 10, 569	5, 386 366 270	Pierce Polk Portage Price Racine	446 2, 128 20, 409 13, 456 56, 843	235 1, 113 17, 713 10, 883 22, 741	211 1, 015 2, 696 2, 573 34, 102	5, 206 5, 224 15, 479
Dodge Door Door Douglas Dunn Eau Claire Fond du Lac	10, 630 1, 810 15, 167 2, 566 24, 540 12, 514 3, 618	4, 925 624 4, 707 605 14, 830 7, 298 2, 758	5, 705 1, 186 10, 460 1, 961 9, 710 5, 216	1, 825 662 172 9, 279 6, 218	Richland Rock Rusk St. Croix Sauk	1,465 27,117 11,916 3,312 3,164	1, 121 6, 502 11, 193 938 1, 677	344 20, 615 723 2, 374 1, 487	110 4, 932 488 1, 445
Grant	1, 271 1, 793 1, 043 2, 314 391	800 1, 236 491 1, 050 280	471 557 552 364 111	(2) 279 172 767	Shawano. Shaboygan Taylor Trempeateau. Vernon	2,932 1,461 1,214	4, 820 16, 632 2, 528 723 988	1, 127 10, 228 404 738 226	2, 981 13, 355 186
Jackson Jefferson Juneau Konosha Kowaunee	1, 437 8, 955 741 46, 423 3, 225	520 3, 487 393 17, 895 1, 296	917 5, 468 848 28, 528 1, 929	1, 638 28, 550 97	Vilas. Walworth. Washburn. Washington. Waukesha.	265 6, 994 14, 773	1,723 1,084 25 3,545 3,784	18 1, 221 240 3, 449 10, 989	503 513 2,042 1,756
La Crosse Lafayette Langlade Lincoln Manitowoc	12,095 2,104 2,487 24,024 33,067	4, 366 042 1, 492 21, 840 13, 096	7,729 1,162 995 2,184 19,071	3, 540 (2) 10, 526 12, 380	Waupaca. Waushara. Winnebago. Wood. All other counties (Florence and Sawyer).	5, 554 1, 182 50, 079 52, 504	2, 618 143 33, 766 38, 208 716	2, 936 1, 039 16, 313 14, 296	432 (1) 21, 302 25, 474 221

Horsepower of electric motors driven by energy generated in establishments reporting.
 Included in total for State but not shown separately to avoid disclosing data for individual establishments.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII, Volume I, Reports of the Census of Manufactures, 1929]

TIN'S	19	29	1927 1	1923 1	1919 1	1914 1	1909 1
RIND	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel: Coal, total ² (tons, 2,000 lbs.)	5, 794, 275	\$25, 592, 623	5, 130, 814	5, 447, 071	5, 387, 834	3, 647, 314	3, 141, 321
Anthracite (tons, 2,240 lbs.) Bituminous (tons, 2,000 lbs.)	226, 484 5, 540, 613	965, 818 24, 626, 805	(3) (3)	99, 476 5, 335, 658	103, 525 5, 271, 886	98, 331 3, 537, 183	92, 459 3, 037, 767
Coke (tons, 2,000 lbs.) Fuel oils, including crude oils and gas oils (gallons) ⁵ Gasoline and kerosene (gallons) ⁵ Gas, natural (M cu. ft.)	272, 010 68, 412, 609 3, 701, 613	2,000,908 3,181,977 447,500	(f) (f)	8	542, 938 25, 905, 558 9, 008, 454	840, 460 9, 914, 310	459, 412 9, 675, 162
Gas, manufactured (M cu. ft.) Other fuels	8, 016, 028	2,014,127 879,100	(4)	(f)	1, 270, 809 (4)	383, 916 (4)	299, 400 (1)
Electric energy purchased (kilowatt-hours)	934, 848, 936	12, 422, 930	(6)	(1)	(4)	(1)	(1)
Total cost of fuel and purchased energy		⁷ 46, 545, 165	Cost \$43, 006, 060	Cost (8)	Cost \$42, 406, 892	Cost \$16, 177, 767	Cost \$13, 147, 679

¹ No data on cost of fuel, by kinds, were collected for years prior to 1929.
2 Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis.
3 Not tabulated separately.
4 No data.
5 For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
5 Data incomplete.
7 The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
8 Not reported separately.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929

[This table presents separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

	Num- ber	Sal- aried	Wage earners	(RATED ITY) OF	POWER CAPAC- POWER MENT			Cost of ma-	Cost of		Value
INDUSTRY	of estab- lish- ments	officers and em- ploy- ees	(aver- age for the year)	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	terials and containers for prod- ucts ¹	fuel and purchased electric energy	Value of products 1	added by manufac- ture 2
All industries, total	7, 431	3 44, 052	264, 745	618, 932	620, 462	Dallars 3 115, 033, 424	Dollars 352, 490, 893	Dollars 1, 161, 664, 893	Dollars 45, 175, 194	Dollars 2, 156, 681, 769	Dollars 940, 841, 682
Agricultural implements	21 15	568 369	2, 413 3, 921	4, 753 2, 471	2, 596 12, 179	1, 388, 996 905, 425	3, 653, 103 4, 634, 635	8, 316, 954 9, 698, 487 388, 291	278, 404 351, 145	27, 513, 669 21, 931, 117	18, 918, 311 11, 881, 485
Agricultural implements Aluminum manufactures Awnings, tents, sails, and canvas covers Belting, leather Beverages Blacking, stains, and dressings Bookbinding and blank-book making Boot and shoe findings, not made in boot and shoe factories Boots and shoes, other than rubber Boxes, paper, not elsawhere classified Boxes, wooden, except cigar boxes.	22 4 170 4 21	49 6 294 20 135	125 24 1, 039 29 508	5, 200	47 77 2,839 121 364	97, 698 14, 977 686, 592 61, 022 278, 202	144, 847 31, 868 1, 382, 496 43, 809 608, 269	388, 291 198, 439 4, 923, 727 206, 048 734, 985	6, 847 1, 402 280, 036 4, 063 18, 614	866, 249 294, 433 13, 639, 561 449, 870 2, 189, 971	471, 611 94, 592 8, 435, 798 239, 759 1, 436, 372
Boot and snoe indings, not made in boot and shoe factories. Boots and shoes, other than rubber. Boxes, paper, not elsawhere classified. Boxes, wooden, except cigar boxes. Bread and other bakery products.	7 57 30 53 711	1, 400 310 179 513	276 10, 755 1, 865 2, 027 4, 758	275 1, 825 480 5, 369 964	181 5, 382 2, 064 4, 284 5, 775	103, 915 3, 098, 218 878, 195 515, 886 1, 255, 784 12, 201	269, 309 11, 376, 009 1, 889, 438 1, 884, 821 6, 215, 213	1, 202, 030 30, 053, 392 6, 595, 769 3, 553, 198 15, 614, 504 116, 802	22, 072 287, 242 106, 047 98, 787 795, 106	1, 788, 039 55, 384, 784 10, 995, 936 7, 050, 603 34, 205, 338 329, 604	563, 937 25, 044, 150 4, 294, 120 3, 400, 618 17, 795, 728 210, 168
Boxes, paper, not elsawhere classified Boxes, wooden, except cigar boxes. Bread and other bakery products. Brushes, other than rubber. Butter. Canning and preserving: Fish, crabs, shrimps, oysters and clams. Canning and preserving: Fruits and vegetables; pickles, jellles, preserves, and sauces. Car and general construction and repairs, electric- railroad ropair shops.	10 9 429 4	10 37 664 11	64 144 1, 938	6, 138	9, 901 302 9, 901	74, 402 807, 932 9, 038	67, 575 146, 231 2, 547, 282 17, 789	258, 981 61, 144, 457 74, 132	2, 009 7, 943 736, 457 2, 687	569, 328 71, 722, 873	302, 404 9, 841, 950 42, 848
Canning and preserving: Fruits and vegetables; piokles, jellles, preserves, and sauces	171 10	772 97	5, 290 687	11, 965	11, 093 2, 171	1, 779, 408 187, 267	3, 756, 274 1, 163, 641	20, 191, 220 1, 751, 305	439, 659 48, 991	35, 068, 403 3, 151, 204	14, 437, 524 1, 350, 908
railroad repair shops. Car and general construction and repairs, steam- railroad repair shops. Carriages and sleds, children's. Carriages and sleds, children's.	48 7	960 53	8, 473 587	5, 442 575	5, 064 275	2, 196, 119 153, 950	12, 990, 323 621, 899	8, 753, 946 893, 666	650, 619 . 18, 079	24, 590, 243 1, 976, 843	15, 185, 678 1, 065, 098
cians' goods	10 1, 963	72 457	368 1,680	715 11, 418	408 2,301	172, 813 152, 426	435, 610 2, 288, 049	837, 348 54, 541, 665	34, 985 846, 312	2, 242, 875 64, 970, 802	1, 370, 562 9, 582, 825
confectionery	3 97	32 50	103 530	1, 050	618 50	99, 928 105, 308	95, 094 512, 589	1, 588, 607 717, 160	22, 283 8, 277	2, 381, 760 1, 843, 944	770, 870 1, 118, 507
refractories	29 6	54 22	337 34	783	2, 643 137	106, 430 53, 323	401, 167 40, 843	69, 331 190, 736	221, 798 3, 425	1, 038, 811 517, 320	747, 682 323, 159
Car and general construction and repairs, steam- railroad repair shops. Carriages and sleds, children's Caskets, coffins, burial cases, and other morti- cians' goods Cheese. Chocolate and cocoa products, not including confectionery Cigars and cigarettes Clay products (other than pottery) and nonclay refractories Cleaning and polishing preparations Clothing (except work clothing), men's, youths', and boys', not elsewhere classified Clothing, women's, not elsewhere classified Clothing, women's, not elsewhere classified Clothing, woren's, not elsewhere classified Clothing, women's, not elsewhere classified Clothing, woren's, not elsewhere classified Shirts), men's	37 30	215 183	2, 467 1, 464	415	666 287	750, 071 402, 613	2, 503, 056 1, 085, 082	6, 809, 849 2, 906, 119	68, 546 28, 663	12, 028, 645 5, 577, 319	5, 150, 250 2, 642, 537
Contres and spice, reasons and grinding	13. 16 7 92 107 57	67 48 82 166 341 311 70	057 99 73 522 1,789 1,920 678	240 188 10, 681 2, 050 2, 735	199 391 1,758 2,283 7,860 2,644 641	174, 575 130, 967 166, 138 376, 100 740, 381 676, 936 157, 707	605, 114 108, 260 98, 187 681, 265 2, 215, 247 1, 529, 520 677, 657	1, 764, 926 3, 214, 124 281, 492 1, 178, 158 51, 987, 457 5, 605, 605 2, 640, 632	17, 882 26, 087 99, 434 66, 565 1, 196, 454 116, 386 37, 852	3, 210, 172 4, 200, 438 1, 403, 440 3, 364, 988 66, 646, 329 10, 965, 663 3, 870, 755	1, 427, 364 1, 059, 227 1, 022, 514 2, 120, 205 13, 461, 418 5, 243, 612 1, 192, 271
Copper, tin, and sheet-iron work, including gal- vanized-iron work, not elsewhere classified Cutlery (not including silver and plated cutlery)	67	452	1, 063	797	688	994, 586	1, 487, 587	7, 117, 875	55, 847	11, 804, 020	4, 630, 298
and edge tools	. 8	45	216		414	127, 539	294, 672	210, 474	21, 637	931, 365	699, 254
Dairymen's expinites; creamery, coeces-actory, and butter-factory equipment; and poultrymen's and apiarists' supplies. Druggists' preparations. Dyeing and finishing textiles. Electrical machinery, apparatus, and supplies. Electroplating. Engines, turbines, tractors, and water wheels.	20 4 4 62 12 21	277 26 7 2, 104 23 1, 679	800 48 43 7, 652 147 12, 519	1, 500 12 14, 185	1,716 26 95 9,824 669 21,921	603, 935 68, 544 27, 947 5, 078, 950 75, 472 4, 623, 046	1, 083, 402 47, 064 54, 027 9, 703, 972 262, 519 21, 436, 541	2, 270, 985 111, 431 76, 948 16, 288, 249 72, 522 47, 612, 148	86, 177 4, 697 16, 457 494, 239 25, 755 1, 680, 778	6, 332, 049 366, 584 204, 930 48, 532, 600 594, 020 96, 392, 493	3, 974, 887 250, 456 111, 525 31, 750, 112 495, 743 47, 099, 567
Engraving, steel and copperplate, and plate printing	4 7	12 17	56 324	1, 250	1, 036	42, 452 55, 482	52, 706 338, 318	56, 763 603, 169	1, 120 35, 377	270, 867 1, 353, 243	212, 984 714, 697
rancy and miscellaneous articles, not elsewhere classified. Fleds, prepared, for animals and fowls. Fleavoring extracts and flavoring sirups. Flour and other grain-mill products. Food preparations, not elsewhere classified. Forgings, fron and steel, not made in plants operated in connection with rolling mills.	11 18 37 79 20	49 87 184 154 325	349 123 473 500 821	300 3,956 8,196 5,765	381 2, 156 1, 892 5, 278 976	135, 418 193, 000 530, 059 318, 801 812, 158	271, 119 166, 152 710, 411 636, 442 1, 129, 544	586, 914 3, 396, 927 2, 268, 956 12, 160, 492 11, 607, 207	13, 567 48, 779 220, 187 193, 726 232, 537	1, 294, 938 4, 610, 425 5, 280, 240 14, 504, 212 18, 813, 790	694, 457 1, 164, 719 2, 791, 097 2, 149, 994 6, 974, 055
where destified	294 41	76 5, 520 91	628 24, 207 313	75 23, 981	3, 214 40, 295 172	297, 637 14, 404, 925 232, 536 3, 115, 990	1, 131, 108 36, 667, 057 383, 372 9, 836, 433	1, 715, 918 57, 645, 541 1, 267, 528 14, 616, 874	241, 322 8, 296, 619 21, 051	4, 975, 209 149, 058, 715 2, 388, 415	3, 017, 969 88, 116, 555 1, 099, 836 21, 486, 894
Fur goods Furniture, including store and office fixtures Jas and electric fixtures; lamps, lanterns, and reflectors Jas, manufactured, illuminating and heating	111 17 31	1, 330 124	8, 714 368	13, 166	11, 578 337	3, 115, 990 343, 930 1, 163, 482	9, 836, 433 500, 332 2, 362, 111	860, 565	536, 494 32, 883	36, 630, 762 2, 195, 434	21, 486, 894 1, 302, 486 9, 910, 689
Hass products (except mirrors) made from purchased glass.	31 12 22	667 18 153	1, 671 77 1, 520	9,887	7, 656 78 365	45, 241 458, 518	134, 338 1, 293, 480	3, 087, 445 133, 715 3, 602, 257	3, 061, 405 4, 524 31, 527	16, 059, 539 408, 586 6, 337, 541	270, 347 2, 703, 757
gresses. Hardware not elsewhere classified	11 19 10 5	17 293 28 27 28 233	70 1,781 81 182 168	168 203 125 150	782 2, 602 34 80 101	31, 702 1, 073, 658 90, 786 58, 822 158, 745 532, 003 244, 998	98, 409 2, 265, 609 114, 041 157, 152 107, 348 975, 261 161, 592 13, 142 9, 428, 007 73, 811 12, 200, 263 62, 256 648, 467	557, 237 2, 502, 040 196, 302 520, 955 523, 601	36, 726 132, 947 3, 818 15, 292 9, 021	882, 278 9, 185, 205 474, 545 853, 046 991, 668	288, 315 6, 550, 218 274, 425 317, 399 459, 121 992, 366 102, 030 17, 453, 820 120, 505 30, 257, 574 161, 492
ce cream ce, manufactured nk, printing ron and steel: Steel works and rolling mills	67 11 4 17	233 74 12 633	660 104 12 5, 248	467 17, 740	5, 627 4, 371 75 31, 484	1, 898, 314	975, 261 161, 592 13, 142 9, 428, 007	4, 323, 231 49, 219 58, 017 11, 124, 969	215, 316 145, 217 1, 698 1, 690, 231	8, 747, 668 1, 186, 802 161, 745 30, 269, 020 157, 207	4, 209, 121 992, 366 102, 030 17, 453, 820
ee cream. ce, manufactured nk, printing ron and steel: Steel works and rolling mills ewelry Knit goods Leather goods, not elsewhere classified Leather: Tanned, curried, and finished	6 52 6 18	1, 123 14 508	11, 118 54	4, 335 100 16, 510	4, 100 41 3, 395	3, 786, 296 38, 561	73, 811 12, 200, 263 62, 256 4, 648, 457	35, 322 20, 882, 992 181, 101 19, 247, 901	1, 380 408, 898 8, 496 514, 262	157, 207 51, 549, 464 351, 089 30, 015, 331	120, 505 30, 257, 574 161, 492 10, 253, 168

See footnotes at end of table.

TABLE 12.—GENERAL STATISTICS FOR THE STATE, BY INDUSTRIES: 1929—Continued [See note at head of this table]

Note Process				[Sei	note at	nead of	this table]					
## Property of the property of	$\frac{1}{2} \left(\frac{1}{2} \right) \right) \right) \right) \right)}{1} \right) \right) \right)} \right) \right)} \right)} \right) \right)} \right)} \right) } \right) } } } }$									1 1 2 2		
## Property Property					ITY) OF	POWER	1	1	Cost of me-	Cost of		
Prime Prime Prime Prime Correct Co	INDUSTRY	of	officers	(aver-		7	. Salaries	Wages	terials and	fuel and	Value of	added by
Libbs		lish-	em-	the	11	motors		ii ages	for prod-	electric	products 1	
Enternative		ments		year)		by pur-			4003	onorgy		
Limber producted, not elsewhere visits - Lamber visits - L			<u></u>									
Mathle, proteins, wholesands	Lime	15	20	208	78	2, 339	62,065	Dottars 245, 141	199, 259	356, 702	Dollars 1, 107, 232	Dollars 551, 271
Mathle, proteins, wholesands	Lumber and timber products, not elsewhere clas-	11	ŀ			i	li '		i ' '	36, 618		Į.
Mathle, proteins, wholesands	Machine-tool accessories and small metal-work-	139			48, 125	1 .						
Agriculture	Machine tools	18	522	2, 330	2,785	3, 791	1, 539, 452	3, 724, 881	251, 481 3, 071, 698	35, 996 176, 301	1, 842, 565 12, 002, 918	1, 555, 088 8, 754, 919
Agriculture	Marble, granite, slate, and other stone products.	51	178	882] 894	7, 397	510. 262	1, 447, 728	8, 402, 193 1, 484, 489	119, 423	10, 606, 476 4, 790, 193	1, 840, 842 3, 186, 281
Marging instruments preta and materiality care.	Millinery	9	77	952	110	462	308, 208	1 040, 999	1, 916, 128	28, 538	3, 787, 013	12, 377, 910
Musical instructionary parts and materials: Primes 1	Models and patterns, not including paper pat- terns	42	,		"		1	· ·		1		
Marian M	Motor-vehicle bodies and motor-vehicle parts_ Motor vehicles, not including motorcycles	39	1,345	13, 344	2,700	94, 767	4, 162, 586	22, 556, 606	54, 404, 977	1, 251, 278	95, 296, 382	39, 640, 077
Pertunes, cosmetica, and other tolled proparations. 19	Musical instrument parts and materials: Piano and organ	3	,	1.1	0,000		1				and the second	1.4
Pertunes, cosmetica, and other tolled proparations. 19	Musical Instruments: Organs	4								i '		
Pertunes, cosmetica, and other tolled proparations. 19	Paints and varnishes	3 18	17	70 622		525	52, 694 1, 692, 654	100,780	197, 232	12, 371	405, 920	196, 317
Pertunes, cosmetica, and other tolicit proparations. Photoscopy and puning mills connected with sawmills and provided and	Paper Pulp (wood and other fiber)	48 31	1,078	9, 741 3, 446		56, 604	3, 387, 312 052, 971	12, 370, 195	51, 929, 207	5, 279, 021	93, 400, 631	36, 192, 403 13, 511, 607
Pertunes, cosmetica, and other tolled proparations. 19	Paper goods, not elsewhere elassified Patent or proprietary medicines and compounds_	20 28	212	935		1, 150 101	517, 398 328, 088	952, 955	5, 278, 163 545, 076	95, 262 7, 129	8, 188, 460 1, 702, 510	2, 815, 035
December Photo-engraying, not done in printing establishments. 10 116 317 320 320 322 127, 677 212, 600 686, 647 12, 885 1, 626, 762 167, 046 187,	Paving materials: Asphalt, tar, crushed slag, and mixtures	3	5	12	105		' '	i i				
Pumps (hand and power) and pumping equipment. Redrigentors and refrigentor subjects, exclusive matching in the property of th	Periumes, cosmetics, and other toilet prepara-	6	27	37		33	54, 112	36, 856	148, 850	1 ' 1	308, 389	157, 046
Pumps (hand and power) and pumping equipment. Redrigentors and refrigentor subjects, exclusive matching in the property of th	Photo-engraving, not done in printing estab-	3			250		1	·	-		1, 524, 742	608, 200
Pumps (hand and power) and pumping equipment. Redrigentors and refrigentor subjects, exclusive matching in the property of th	Planing-mill products (including general mill-	. 19	115	317		179	304, 874	759, 056	203, 467	19, 629	1, 712, 184	1, 489, 088
Pumps (hand and power) and pumping equipment. Redrigentors and refrigentor subjects, exclusive matching in the property of th	with sawmills.	143	897	5, 283	13, 621	10, 372	2, 597, 861	6, 584, 357	. 12, 657, 499	342, 912	26, 544, 943	13, 544, 532
Pumps (hand and power) and pumping equipment. Redrigentors and refrigentor subjects, exclusive matching in the property of th	ous-china sanitary ware	12	212	3, 524	5, 150	2, 691	596, 813	5, 717, 554	4, 914, 746		14, 673, 795	9, 104, 008
Pumps (hand and power) and pumping equipment. Redrigentors and refrigentor subjects, exclusive matching in the property of th	Printing and publishing, book and job-	278	818		9		2, 084, 494	4, 561, 752	6, 424, 338	221, 564	18, 002, 933	200, 096 12, 047, 031
Pumps (hand and power) and pumping equipment. Redrigentors and refrigentor subjects, exclusive matching in the property of th	calPuln goods	329	2, 955	2, 694		6, 485	6, 431, 115	4, 936, 676	5, 614, 985		28, 021, 724	22, 978, 969
Refrigerators and refrigerating coulpmon. 13 18 743 1, 230 1, 488 303, 822 805, 648 1, 779, 877 50, 141 3, 812, 543 1, 779, 875 8, 141 3, 812, 543 1, 779, 875 8, 141 3, 812, 543 1, 779, 875 8, 141 3, 812, 543 1, 779, 875 8, 141 3, 812, 543 1, 779, 875 8, 141 3, 812, 543 1, 779, 875 8, 141 3, 812, 543 1, 177, 814 1, 179	Pumps (hand and power) and pumping equip-				3			, i	A Company of the company			* - * · ·
Authore tres and inter tubes. 5	Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment			·	1: 230				1 22	1 1 1 1 2 2		
Authore tres and inter tubes. 5	Rubber goods other than tires, inner tubes, and boots and shoes.	l l	1		l i i				3 - 1			
Series Part	BUILDORF FIRES AND INDER FILDES		634	3,922		19, 735	1, 181, 601 113, 584	5, 235, 704	22, 181, 017	546, 437	41, 244, 345 1, 012, 126	18, 516, 891
Starbellments and wood scrows	Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing es-							,	012,002	9,200	2, 022, 120	102, 170
Second part	tablishments Screw-machine products and wood screws			415 122	311 25	1, 628 687	333, 408 65, 987	640, 833 226, 564	4, 913, 044 296, 847	82, 360 23, 233	6, 703, 117 835, 570	1, 797, 713 515, 499
Signs and advertising novelties sporting and athletic goods, not including fire-arms or ammunition. 8 25 224 112 55,005 160,818 183,001 0,700 583,312 305,661 Stamped ware, enameled ware, and metal stamping, and lacquering 20 576 2,802 3,245 2,044 1,332,357 3,370,631 4,909,404 273,830 13,527,636 Stationery goods, not obsolve or elassified 4 33 103 173 77,232 219,607 131,103 457,005 6,403 1,055,686 572,278 Statuary and art goods, factory product. 5 30 123 173 77,232 219,607 91,705 8,266 510,148 140,087 Stationery goods, not obsolve or elassified 4 4 4 4 4 72 2 268 105,130 131,096 55,573 11,348 444,723 377,801 Statuary and noter-water heating apparatus. 5 5 6 7 13,507 131 130 457,005 6,403 1,055,686 572,278 100,487 1	cluding repair work	19		1, 297	2, 581	5, 265	490, 251			117, 849	6, 617, 795	8, 282, 471
sporting that mineter goods, not instanting fire arms or animunition. 8	Signs and advertising novelties		61 87		131	119 365	125, 644	309, 892 631, 610	763, 530 804, 305	12, 126	1, 632, 690 2, 329, 567	857, 034
ing, enameling, japanning, and lacquering	arms or ammunition	- 8	25	224		112	55, 965	150, 818	183, 901	6, 760	133.7	
Stereotyping and electrotyping, not done in printing establishments. Stoves and ranges (other than electric) and warm-air furnaces. Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills. Suspenders, garters, and other elastic woven goods, made from purchased webbing. Tobacco: Chewing and smoking, and suniff 4 2 5	ing, enameling, japanning, and lacquering			2,802	3, 245		1, 332, 357	3, 370, 831	4, 998, 404	273, 880		
Stereotyping and electrotyping, not done in printing establishments. Stoves and ranges (other than electric) and warm-air furnaces. Structural and ornamental iron and steel work, not made in plants operated in connection with rolling mills. Suspenders, garters, and other elastic woven goods, made from purchased webbing. Tobacco: Chewing and smoking, and suniff 4 2 5	Statuary and art goods, factory product	6	30	123			77, 232	219, 687	91, 795	8, 266	1, 035, 686 519, 148	572, 278 419, 087
Printing establishments	apparatus	4	143	567		1,063	439, 828	739, 148	1, 389, 137	41, 216	4, 423, 159	2, 992, 800
16	printing establishments	6	24	72		268	105, 130	181, 696	55, 573	11, 348	444, 722	377, 801
not made in plants operated in connection with rolling mills	warm-air furnaces	16	477	2, 449	1, 515	4, 639	1, 210, 559	2, 935, 578	4, 685, 983	268, 220	13, 877, 713	8, 923, 510
goods, made from purchased webbing	not made in plants operated in connection	30	383	1, 570	1.355	3,088	1 120 005	2 300 138	5 395 731	137 700	11 520 405	8 087 0KE
Tools, not including edge tools, machine tools, files, or saws	Suspenders, garters, and other elastic woven goods, made from purchased webbing			1			(1)	- 1, 21 - 1				and the first state of
files, or saws Toys (not including children's wheel goods or sleds), games, and playground equipment 9 66 170 100 342 122, 529 168, 257 118, 505 2, 550, 558 38, 440 6, 024, 633 3, 437, 655 Wall plaster, wall board, insulating board, and floor composition 4 19 39 45 150 150 687, 592 1, 118, 505 2, 550, 558 38, 440 6, 024, 633 3, 437, 655 Windmills and windmill towers 4 19 39 40, 786 Windmills and windmill towers 3 20 196 571 379 40, 582 312, 664 304, 486 11, 416 804, 699 487, 568 Window shades and fixtures 16 54 391 250 416 176, 343 487, 683 630, 933 24, 761 1, 788, 071 1, 132, 377 Woold turned and shaped and other wooden goods, not elsewhere classified 16 35 201 184 1, 229 68, 089 185, 017 337, 353 27, 627 877, 136 512, 257 Woolen goods 17 1 151 588 928 536, 554 752, 469 1, 020, 605 41, 784 4, 162, 031 3, 090, 742 18 18 18 1, 059 680 510 687, 592 1, 118, 605 2, 650, 538 38, 440 6, 024, 633 3, 437, 655 4 19 4 19 4 19 4 19 4 19 4 19 4 19 4 1	Tobacco: Chewing and smoking, and smuff	4					11,780	19, 637	58, 163		126, 290	87, 580
sleds), games, and playground equipment. 9 66 179 100 342 122, 529 168, 257 304, 645 12, 581 818, 294 501, 168 Trunks, sutteases, and bags. 18 18 1, 059 680 510 687, 592 1, 118, 505 2, 550, 558 36, 440 6, 024, 633 3, 437, 655 Wall plaster, wall board, insulating board, and floor composition. 4 19 39 488 51, 236 51, 454 260, 304 11, 297 681, 387 400, 786 Waste. 4 15 145 150 544 29, 755 140, 206 889, 414 18, 754 1, 31, 830 223, 071 Windmills and windmill swires. 3 20 196 571 370 40, 582 312, 664 306, 486 11, 415 804, 959 487, 058 Wirework, not elsewhere classified. 16 4 35 20 116 35 201 184 1, 229 68, 080 186, 017 33, 353 24, 761 1, 788, 071 13, 23, 377 Woold turned and shaped and other wooden goods. 16 35 201 184 1, 229 68, 080 186, 017 33, 353 27, 627 877, 136 512, 156 Woolon goods.	files, or saws	- 1	151	538		928	536, 554	752, 469	1, 029, 505	41, 784	4, 162, 031	3, 090, 742
100 100	sleds), games, and playground equipment						122, 529 687, 592					501, 168 3, 437, 655
Wood turned and shaped and other wooden goods, not elsewhere classified 16 35 201 184 1, 229 68, 089 185, 017 337, 353 27, 627 877, 136 512, 156 Woolen goods 20 91 852 1, 921 1, 169 232, 059 834, 828 1, 705, 688 91, 613 3, 516, 426 1, 659, 125	Hoor composition	4	19	39		486	51, 286	51, 454	260, 304	11, 297	681, 387	5 5 5 5 S
Wood turned and shaped and other wooden goods, not elsewhere classified 16 35 201 184 1, 229 68, 089 185, 017 337, 353 27, 627 877, 136 512, 156 Woolen goods 20 91 852 1, 921 1, 169 232, 059 834, 828 1, 705, 688 91, 613 3, 516, 426 1, 659, 125	WasteWindmill towers		15 20	196		379	29, 755 40, 582	140, 266 312, 664	889, 414 306, 486	18, 754 11, 415	1, 131, 830 804, 959	223, 071 487, 058
Wood turned and shaped and other wooden goods, not elsewhere classified	Wirework, not elsewhere classified				250		77, 600	106, 610	410, 686	8,718	950,850	587, 455 1, 132, 377
Woolen goods 1, 921 1, 921 1, 169 232, 059 884, 828 1, 765, 688 91, 613 3, 516, 420 1, 659, 125	wood turned and shaped and other wooden			201		1, 229		185, 017	337, 353	27, 627	877, 136	
The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as many	Other industries	284	3,054	23, 416	46, 908	76, 935	8, 581, 747	31, 867, 989	117, 646, 237	9, 019, 508	217, 629, 211	90, 903, 466

¹ The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General Explanations—Duplication in Cost of Materials and Value of Products.

1 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

1 Not including data for 5.864 employees of central administrative offices, with salaries aggregating \$15,879,843. See General Explanations—Persons Engaged.

1 Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

Table 13.—GENERAL STATISTICS FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929

[This table presents, for the Milwaukee Industrial Area (see General Explanations—Industrial Area) and for each important industrial county in the State, with certain exceptions, the reasons for which are given in explanatory notes, separate figures for each industry for which it is possible to publish such figures without disclosing, exactly or approximately, the data supplied by individual establishments, and gives combined statistics for the remaining industries as a group ("Other industries"). Certain of the industries for which combined figures are given, however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

u i	NDUSTRY	Num-Salaried earner establish-and employees ployees ployees	s	Salaries Wages	Cost of materials and containers for products • Cost of fuel and purchased electric energy	Value of products a Tanual facture b
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MILWAUKEE INDUSTRIAL AREA

[This area comprises Kenosha, Milwaukee, and Racine Counties. The totals for all industries do not include data for a few establishments located outside the industrial area (see footnotes 1 and 2), and therefore are slightly smaller than the sums of the items for the individual industries]

***************************************		1						101 0110 111011	-		
All industries, total. Awnings, tents, sails, and canvas covers. Belting, leather. Beverages Blacking, stains, and dressings. Bookbinding and blank-book making. Boot and shoe findings, not made in boot and shoe factories. Boots and shoes, other than rubber. Boxes, paper, not elsewhere classified Boxes, wooden, except cigar boxes. Bread and other bakery products. Brooms. Brushes, other than rubber! Butter. Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces. Closcolate and cocca products, not including confectionery. Cligars and cigarettes. Clay products (other than pottery) and nonclay refractories. Cleaning and polishing preparations! Cloching (except work clothing), men's, youths', and boys', not elsewhere classified. Clothing, women's, not elsewhere classified. Coffee and spice, roasting and grinding. Concrete products. Confectionery. Dairymen's supplies; creamery, cheese-factory, and	2, 218	27, 571	144,760	170, 696	354, 251	Dollars 73,820,716	Dollars 211, 345, 067	Dollars 594, 201, 445	Dollars 22, 023, 254	Dollars 1, 166, 493, 769	Dollars 550, 260, 070
Awnings, tents, sails, and canvas covers	9	24	71		19	38, 022	82,562	190, 051	2,976	430, 834	237, 807
Beverages.	32	133	24 405	2,304	77 317	14, 977 349, 882	31,868 612,562	198, 439 2, 154, 256 206, 048	1,402 109,550	294, 433 5, 547, 117	94, 592 3, 283, 311 239, 759
Blacking, stains, and dressings	4 16	20 126	29 488		121 343	61, 022 263, 433	612,562 43,809 577,001	206, 048 699, 968	4, 063 17, 172	449, 870 2, 083, 545	239, 759 1, 366, 405
Boot and shoe findings, not made in boot and shoe	10				i						
Boots and shoes, other than rubber	7 30	1,018	276 7, 281	275 1,675	181 3, 456	2, 235, 122	269,309 8,043,826	1, 202, 030 19, 677, 730	22, 072 164, 878	1,788,039 36,898,423	563, 937 17, 055, 815
Boxes, paper, not elsewhere classified	10 10	238	1, 195 508	380 1,744	1,092 1,004	703, 402	1, 278, 920	4, 431, 084	65, 040 30, 239	7, 353, 925	2, 857, 801
Bread and other bakery products	419	358	3, 146	950	3,596	103, 915 2, 235, 122 703, 402 205, 935 905, 465 7, 221	1, 278, 920 562, 956 4, 087, 982	1, 202, 030 19, 677, 730 4, 431, 084 1, 179, 392 10, 002, 817	473, 242 885	1, 788, 039 36, 898, 423 7, 353, 925 2, 165, 298 23, 357, 165	955, 667 12, 881, 106
Brushes, other than rubber 1	6 9	37	19 144		14 302	14.402	28,729 146,231 455,378	34, 617 258, 981	7,943	509, 328	88, 562 302, 404
Capping and preserving: Fruits and vegetables:	12	57	260	1,208	1,640	132, 648	455,378	3, 136, 379	31, 276	4, 528, 642	1, 360, 987
pickles, jellies, preserves, and sauces	9	44	325	346	235	115,614	284, 134	1, 329, 155	21, 985	2, 281, 976	930, 836
goods	3	24	87	125	322	65, 974	122,370	213, 766	8, 319	635, 813	413, 728
Chocolate and cocoa products, not including con-	3	32	103	1,050	618	99, 928	95, 094	1, 588, 607	22, 283	2, 381, 760	770.870
Clay products (other than pottery) and paveley	45	34	379		20	84, 872	95, 094 379, 982	491, 445	22, 283 4, 300	1, 283, 444	770, 870 787, 699
refractories	6	20	106	70	963	48, 992	152, 451	41,800	86, 018	441, 452	313, 634 323, 159
Clothing (except work clothing), men's, youths',	6	22	34		137	53, 323	40, 843	190, 736	3, 425	517, 320	
and boys', not elsewhere classified	28 24	165 139	1,972 830	265	563 164	620, 488	2,036,116 619,100	5, 662, 378	53, 181	9, 909, 906 3, 235, 188 3, 415, 979 2, 210, 894 9, 223, 848	4, 194, 347 1, 616, 718 882, 594 1, 398, 654 4, 442, 944
Coffee and spice, roasting and grinding.	10	35	73	150	283	282, 149 94, 579 222, 981	83, 275 404, 808	2, 514, 988	16, 325 18, 397 39, 505	3, 415, 979	882, 594
Confectionery	38 27	102 222	282 1,503	50 1,735	1,198 1,362	502, 750	1,190,967	1, 602, 145 2, 514, 988 772, 735 4, 699, 834	81, 070	2, 210, 894 9, 223, 848	1, 398, 654 4, 442, 944
button footony ocuinments and noultwyments and				'	'		' '				,,
apiarists' supplies	5 40	41	. 129	:-:::	381	130, 000	208, 537	387, 309 11, 604, 540 72, 522 34, 469, 603	15, 330 349, 207 25, 755 1, 088, 495	1, 218, 598 37, 866, 761	815, 959 25, 913, 014
Electroplating 1	12 12	1,735 23	0, 021 147	1, 200 12	7, 498 669	130, 000 4, 226, 349 75, 472	208, 537 7, 975, 717 262, 519 14, 341, 973	72, 522	25, 755	594, 020	25, 913, 014 495, 743
Electrical machinery, apparatus, and supplies Electrical machinery, apparatus, and supplies Electroplating 1 Engines, turbines, tractors, and water wheels Engraving, steel and copperplate, and plate print-	12	917	8, 560	12, 535	7, 863	2, 287, 391	14, 341, 973	34, 469, 603	1, 088, 495	68, 326, 376	495, 743 32, 768, 278
ing Fancy and miscellaneous articles, not elsewhere classified	4	, 12	: 56		22	42, 452	52,706	56, 763	1, 120	270, 867	212, 984
classified	6	14	100		7	43, 467	64,828	159, 130	1,694	341, 875	181, 051
Flavoring extracts and flavoring sirups	17	56 146	70 372	3, 118	874 1, 718	129, 186 421, 302	103, 041 566, 751	1, 994, 976 1, 450, 253	31, 445 139, 193	2, 988, 972 3, 754, 507	962, 551 2, 165, 061 4, 898, 051
Feeds, prepared, for animals and fowls. Flavoring extracts and flavoring sirups. Food preparations, not elsewhere classified. Foundry and machine-shop products, not elsewhere classified.	15	259	609	5, 765	135	618, 760	857, 226	5, 460, 251	171, 283	10, 529, 585	
where classified	147	4, 291	17, 736	21,620	30, 256	11, 047, 499	27, 606, 905	43, 718, 178	2, 388, 444	111, 372, 841 1, 445, 824 10, 202, 131	65, 266, 219
Fur goods Furniture, including store and office fixtures	25 44	63 312	202 2, 079	2, 229	134 2, 198	190, 765 827, 209	267, 031 2, 842, 997	43, 718, 178 707, 479 4, 377, 925	14,900 119,536	1, 445, 824	723, 385 5, 704, 670
Gas and electric fixtures; lamps, lanterns, and reflectors 1	17	124	368		337	343, 930	500, 332	860, 565	32, 383	2, 195, 434	1, 302, 486
Glass products (except mirrors) made from pur-	12	18	77		73	45, 241	134, 338	133, 715	4, 524	408, 586	
Gloves and mittens, leather	9	88	728	100	179	302, 378	621, 661	1, 575, 297	13, 754	3, 054, 945	270, 347 1, 465, 894
greases and tailow, not including lubricating	3	7	34		323	18, 499	48, 300	313, 913	14, 874	494, 619	165, 832
Hardware not elsewhere classified	12 10	271	1,653 81	100	2, 423 34	1, 036, 162 90, 786	2, 174, 542 114, 041	2, 376, 366 196, 302	123, 901 3, 818	8, 806, 168 474, 545	165, 832 6, 305, 901 274, 425
House-furnishing goods, not elsewhere classified 1	ii	28 28 98	168	150	101	158, 745	107, 348	523, 601	9,021	991,668	459, 046
Ice, manufactured.	9 7	64	351 63	300	3, 138 3, 829	210, 187 224, 645	529, 376 113, 161	2, 269, 811 29, 446	97, 519 134, 239	4, 750, 832 1, 014, 066	2, 383, 502 850, 381
Ink, printing 1. Iron and steel: Steel works and rolling mills	17	12 633	5, 248	17 740	75 31, 484	53, 017	13, 142 9, 428, 007	58, 017 11, 124, 969	1, 698 1, 690, 231	161, 745 30, 269, 020	102 030
Knit goods	25 14	837	8, 238	17,740 3,640	3, 237	1, 898, 314 2, 801, 906	9, 955, 157	15, 721, 850	302, 469	40, 625, 649	24, 601, 330
Lithographing	11	368 150	2, 619 621	11,602	3, 340 831	1, 136, 500 513, 570	3, 301, 598 993, 349	13, 110, 584 1, 329, 226	372, 329 36, 618	20, 262, 844 3, 951, 742	17, 453, 820 24, 601, 330 6, 779, 931 2, 585, 898
Gas and electric fixtures; lamps, lanterns, and reflectors! Glass products (except mirrors) made from purchased glass! Gloves and mittens, leather. Grease and tallow, not including lubricating greases. Hardware not elsewhere classified. Hats and caps, except felt and straw, men's. House-furnishing goods, not elsewhere classified! Ice cream Ice, manufactured. Ink, printing! Iron and steel: Steel works and rolling mills. Knit goods. Leather: Tanned, curried, and finished. Lithographing. Machine-tool accessories and small metal-working tools, not elsewhere classified? Machine-tools. Malt.	31	71	364		937	244, 155	687, 103	251 481	35, 996	1, 842, 565	1, 555, 088
Machine tools	10	71 273 38	1, 237 107	1,050 2,680	1, 753	791, 604 216, 355	1, 973, 542 180, 907	1, 835, 847	66, 187	6, 559, 566	4, 057, 532 1, 108, 347
Marble, granite, slate, and other stone products	18 18 15	79	341	375	2, 117	271, 179	639, 519	1, 835, 847 4, 771, 789 767, 341	154, 546 41, 850	6, 034, 682 2, 015, 662	1 1,200,471
Millinery	15 9 35	635 77	2,385 952	2,851 110	4, 131 462	1, 317, 061 308, 208	3, 340, 814 945, 999	1, 916, 128	422, 077 28, 538	74, 436, 797	9, 202, 931 1, 842, 347
Malt Marble, granite, slate, and other stone products Marble, granite, slate, and other stone products Meat packing, wholesale Millinery Models and patterns, not including paper patterns. Motor-vehicle bodies and motor-vehicle parts Motor vehicles, not including motorcycles. Paints and varnishes	35 27	72 1, 222	475 11, 034	1	651	225, 398 3, 849, 100	968, 137 19, 190, 196	1 273 601	24 972	1, 894, 586	1, 595, 923 33, 699, 498
Motor vehicles, not including motorcycles Paints and varnishes	8	557	8,022	2, 075 2, 800 888	18, 511	2, 653, 551	13, 187, 725 888, 541	39, 394, 697 85, 402, 539 8, 269, 990	1, 070, 837	74, 242, 048 128, 726, 918	42, 253, 542
raines and variasites	1 13	720	590	l 888	1,323	1,641,211	888, 541	8, 269, 990	91, 192	13, 215, 218	4,854,036

See footnotes at end of this section, p. 569.

Table 13.—GENERAL STATISTICS FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

	Num-	Salaried officers	Wage earners	(RATEI ITY) OF EQUI	POWER CAPAC- POWER PMENT			Cost of	Cost of		Value				
INDUSTRY	estab-	and em-	(average for the year)	Prime movers			Wages	materials and con- tainers for products a	fuel and purchased electric energy	Value of products	added by manufac- ture b				
	MILWAUKEE INDUSTRIAL AREA—Continued Dollars Dollars														
Paper goods, not elsewhere classified	7 15	91 47	336 54	152 40	508 44	Dollars 241, 301 94, 847	Dollars 336, 446 49, 572	Dollars 1,177,942 290,448	Dollars 28, 373 2, 974	Dollars 2, 603, 118 624, 544	Dollars 1,396,803 331,122				
ments. Planing-mill products (including general mill-work), not made in planing mills connected with	18	89	210		123	259, 237	530, 846	149, 489	11,606	1, 150, 233	989, 138				
sawmills. Printing and publishing, book and job. Printing and publishing, newspaper and periodical Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment.	50 160 52	345 579 1,814	1, 717 2, 234 1, 161	2,050	3, 437 3, 792 2, 979	1, 109, 736 1, 489, 415 4, 197, 797	2, 516, 134 3, 316, 534 2, 579, 339	3, 781, 637 6, 103, 149 3, 770, 321	85, 886 150, 703 143, 135	9, 090, 760 14, 000, 736 17, 894, 965	5, 223, 237 8, 746, 884 13, 481, 509				
of mechanical refrigerating equipment. Sausage, meat puddings, headchesse, etc., and sausage easings, not made in meat-packing estab-	4	25	83		171	90, 976	155, 829	188, 570	5, 209	570, 915	377, 136				
lishments Screw-machine products and wood screws. Signs and advertising noveities. Stamped ware, enameled ware, and metal stamp-	20 6 24	74 26 69	322 122 459	305 25	1, 229 687 306	238, 552 65, 987 200, 017	507, 355 226, 564 507, 558	3, 822, 673 296, 847 546, 758	62, 075 23, 233 14, 652	5, 252, 970 835, 579 1, 747, 136	1, 368, 222 515, 499 1, 185, 726				
ing, enameling, japanning, and lacquering. Stereotyping and electrotyping, not done in printing establishments 1	13	401	1, 941	2,745	851	982, 150	2, 892, 591	4, 114, 450	146, 974	10, 178, 825	5,917,401				
Structural and ornamental iron and steel work, not made in plants operated in connection with roll-	6	24	72		268	105, 130	131, 696	55, 573	11, 348	444, 722	377, 801				
ing mills Suspenders, garters, and other elastic woven goods, made from purchased webbing	24	342 2	1, 43 8	1, 355	2, 797 4	981, 078	2, 241, 902 5, 045	4,607,678 23,846	126, 864 276	10, 326, 188 49, 924	5, 591, 646 26, 302				
Tools, not including edge tools, machine tools, files, or saws ² Toys (not including children's wheel goods or	11	151	538		928	536, 554	752, 469	1, 029, 505	41, 784	4, 162, 031	3, 090, 742				
sleds), games, and playground equipment———— Trunks, suiteases, and bags————————————————————————————————————	. 5 11	39 141	74 622	555	150 432	82, 830 496, 373	85, 696 711, 058	134, 322 1, 683, 831	7, 073 25, 343	416, 857 4, 032, 224	275, 462 2, 323, 550				
floor composition Wirework, not elsewhere classified Other industries	4 7 363	19 23 5, 987	39 154 31, 891	58, 202	486 104 94, 292	51, 236 49, 826 14, 968, 119	51, 454 140, 593 47, 416, 547	260, 304 195, 394 138, 848, 482	11, 297 7, 225 9, 573, 336	081, 387 455, 289 282, 733, 313	409, 786 252, 670 134, 311, 545				
	<u> </u>			<u> </u>		<u> </u>	<u> </u>	<u> </u>							

⁴ See General Explanations—Duplication in Cost of Materials and Value of Products.
5 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

KENOSHA COUNTY

[Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be given for the most important industry—namely, "Motor vehicles, not including motorcycles"—without disclosing the data reported by individual establishments; and those industries for which it would be possible to publish separate figures without disclosing data for individual establishments reported less than 50 per cent of the total number of wage earnors employed in all industries. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and therefore no such statistics are included in this report]

All industries, total 62 847 11, 544 17, 895 28, 528 Dollars 18, 410, 702 58, 691, 832 1, 686, 433 97, 582, 456 37, 204, 10	All industries, total	62	847	11, 544	17,895	28, 528						<i>Dollars</i> 87, 204, 191
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MILWAUKEE COUNTY

[The totals for all industries do not include data for a few establishments located outside the county (see footnotes 4 and 5), and therefore are slightly smaller than the sums of the items for the individual industries]

	·										
All industries, total	1, 939	23, 410	117, 658	130, 060	291, 621	Dollars 62, 237, 660	Dollars 170, 962, 354	Dollars 460, 428, 914	Dollaτ8 17,745,018	Dollars 912, 261, 503	Dollars 484, 087, 571
Belting, leatherBeverages Blacking, stains, and dressings. Bookbinding and blank-book makingBook and shoe findings, not made in boot and shoe	25 4 16	6 126 20 126	24 372 29 488	2,304	77 241 121 343	14, 977 387, 214 61, 022 263, 433	31, 868 563, 497 43, 809 577, 061	198, 439 2, 075, 116 206, 048 699, 968	1, 402 104, 001 4, 003 17, 172	204, 433 5, 313, 658 449, 870 2, 083, 545	94, 592 3, 134, 541 239, 759 1, 366, 405
Boot and shoe indings, not made in boot and shoe factories. Boxes, paper, not elsewhere classified. Boxes, wooden, except cigar boxes. Bread and other bakery products. Brooms. Brushes, other than rubber 4.	370 6	39 238 70 343 5 37 52	276 1, 195 508 2, 921 19 144 249	275 380 1,744 950	181 1,092 1,004 3,268 14 802 1,467	103, 915 703, 402 205, 935 867, 862 7, 221 74, 402 127, 037	260, 809 1, 278, 920 562, 956 3, 765, 148 28, 729 146, 231 484, 881	1, 202, 030 4, 431, 084 1, 179, 392 9, 323, 212 34, 617 258, 981 2, 916, 742	22, 072 65, 040 30, 239 438, 001 885 7, 943 25, 672	1, 788, 039 7, 353, 925 2, 165, 298 21, 914, 051 124, 064 569, 328 4, 243, 524	563, 937 2, 857, 801 955, 667 12, 157, 838 83, 562 302, 404 1, 301, 110
Oanning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces Oaskets, coffins, burial cases, and other morticlans' goods	4	19 24	173 87	135 125	131 322	41, 089	177, 190 122, 370	797, 476 213, 766	9, 365 8, 319	1, 294, 222 635, 813	487, 381 413, 728

See footnotes at end of this section, p. 570.

The figures for a few establishments located outside the Milwaukee Industrial Area have been included with those for the area, as specified in footnotes 1 and 2, to avoid disclosing data for the establishments in question.

Includes data for 1 establishment located outside the Milwaukee Industrial Area.
Includes data for 2 establishments located outside the Milwaukee Industrial Area.

Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

TABLE 18.—GENERAL STATISTICS FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

(See note at head of this table)

[See note at head of this table]													
INDUSTRY	Num- ber of estab- lish- ments	Sal- aried officers and em- ploy- ees	Wage earners (aver- age for the year)	Prime movers	CAPAC-	Salaries	Wages	Cost of ma- terials and containers for prod- nots a	Cost of fuel and purchased electric energy	Value of products •	Value added by manufac- ture b		
	_ 	M	(LWAU)	KEE CO	UNTY-	-Continued							
sheeclate and cocoa products, not including con-					أميا	Dollars	Dollars 05,004	Dollars 1,588,607	Dollars 22, 283	Dollars 2, 381, 760	Dollars 770, 870		
fectionery	- 40 - 6	32 32 22	103 365 34	1,050	618 20 137	99, 928 82, 232 53, 323	95, 094 367, 406 40, 843	471, 144 190, 736	4, 060 3, 425	2, 381, 760 1, 228, 319 517, 320	770, 870 753, 115 323, 159		
fectionery— igars and cigarettes— leaning and polishing preparations 4— leaning and polishing preparations 4— leaning, (except work clothing), men's, youths', and boys', not elsewhere classified— leaning, women's, not elsewhere classified 4— office and spice, reasting and grinding— onrectionery— confectionery————————————————————————————————————	28 24 10 38 27	165 139 35 102 222	1,972 830 73 282 1,503	265 150 50 1,735	563 164 283 1,198 1,362	620, 488 282, 149 94, 579 222, 981 502, 750	2, 036, 116 619, 100 88, 275 404, 808 1, 190, 967	5, 662, 378 1, 602, 145 2, 514, 988 772, 735 4, 699, 834	53, 181 16, 325 18, 397 39, 505 81, 070 5, 768	9, 909, 908 3, 235, 188 3, 415, 979 2, 210, 894 9, 223, 848 383, 398	4, 194, 347 1, 616, 718 882, 594 1, 398, 654 4, 442, 944 162, 051		
butlant (not including silver and plated cutlary)	1.	11	45 82	125	181 49	34, 007 25, 428	70, 449 47, 934	215,579 17,619	3,052	139, 052	118, 381 21, 921, 603		
and edge tools. Slectrical machinery, apparatus, and supplies.	31 7	1,424 15	4, 974 108	750	6, 429 450	3, 405, 483 50, 486	6, 655, 549 134, 480	9, 248, 486 39, 190	292, 662 14, 643	31, 462, 751 333, 895	280, 062		
ilectrical machinery, apparatus, and supplies ingraving, steel and copperplate, and plate finish ing	4	12	56		22	42,452	52,706	58,763	1,120	270, 867	212, 984		
olassified	17	14 146	100 372	3, 118	7 1,718	43, 467 421, 302	64, 828 506, 751	159, 130 1, 450, 253	1,694 139,193	841, 875 3, 754, 507	181, 051 2, 165, 061		
		3,895 63 248	15, 040 202 1, 560	20, 595 1, 269	23, 530 134 1, 423	9, 865, 156 190, 765 636, 140	23, 300, 617 267, 031 2, 051, 137	89, 240, 436 707, 479 8, 054, 355	1, 923, 209 14, 960 92, 320	08, 142, 134 1, 445, 824 7, 485, 213	50, 978, 489 723, 385 4, 838, 538		
rurniture, including store and office fixtures	17	124	368		337	343, 930	500, 332	860, 565	32, 383	2, 195, 434	1, 302, 486		
reflectors ' llass products (except mirrors) made from pur chased glass ' lloves and mittens, leather	12 9	18 88	77 728	100	73 179	45, 241 302, 878	134, 338 621, 661	133,715 1,575,297	4, 524 13, 754	408, 586 3, 054, 945	270, 347 1, 465, 894		
rease and tallow, not including lubricating greases. Lats and caps, except felt and straw, men's. Louse-furnishing goods, not elsewhere classified 4. ce cream.	3 10 11 5	7 28 28 78	34 81 168 313	150 225	323 34 101 2,865	18, 490 90, 786 158, 745 173, 307	48, 300 114, 041 107, 348 466, 652	313, 913 196, 302 523, 601 1, 955, 551	14, 874 3, 818 9, 021 82, 213 1, 698	494, 619 474, 545 991, 668 4, 181, 816	165, 882 274, 425 459, 046 2, 144, 052		
nk, printing *	14	12 613 368 150	12 4, 985 2, 619 621	17, 740 11, 602	75 28, 694 3, 340 831	53, 017 1, 838, 038 1, 136, 500 513, 570	13, 142 8, 942, 783 3, 301, 598 993, 349	58, 017 10, 521, 861 13, 110, 584 1, 329, 226	1, 698 1, 592, 510 372, 329 36, 618	161, 745 28, 507, 191 20, 262, 844 3, 951, 742	459, 046 2, 144, 052 102, 030 16, 392, 820 6, 779, 931 2, 585, 898		
eather: Tanned, curried, and finished 4	20 7	53 238 38	255 1, 108 107	1, 050 2, 680	749 1, 336	193, 757 690, 685 216, 355	483, 627 1, 752, 195	180, 382 1, 571, 111 4, 771, 789 718, 771	24, 761 54, 462 154, 546	1, 840, 781 5, 666, 822	1, 135, 638 4, 041, 249 1, 108, 347 1, 132, 814		
Marble, granite, slate, and other stone products Meat packing, wholesale 4 Millinery Millinery	15 15 0 28	75 635 77 63	2, 385 952 360	375 2,851 110	1, 983 4, 131 462 548	260, 134 1, 317, 061 308, 208 204, 125	602, 715 8, 840, 814 945, 999 716, 172	1, 916, 128 221, 609	39, 228 422, 077 28, 538 20, 129	74, 436, 797 3, 787, 013 1, 488, 458	9, 202, 93 1, 842, 34 1, 246, 72 31, 662, 47		
Motor-vehicle bodies and motor-vehicle parts	28 19 5 7	1,082 335 91 47	10, 440 2, 778 336 54	2, 075 152 40	91, 132 9, 916 508 44	204, 125 3, 551, 698 855, 323 241, 301 94, 847	18, 275, 046 4, 077, 125 336, 446 49, 572	36, 927, 509 34, 177, 960 1, 177, 942 290, 448	20, 129 1, 126, 789 225, 631 28, 373 2, 974	6, 034, 082 1, 885, 818 74, 436, 797 3, 787, 013 1, 488, 458 60, 716, 770 54, 713, 679 2, 603, 118 024, 544	20, 310, 08 1, 396, 80 331, 12		
Photo-engraving, not done in printing establish ments Planing-mill products (including general mill	13	89	210		123	259, 237	539, 846	149, 489	11, 606	1, 150, 233	989, 13		
		336	1, 687	2, 025	3, 061	1, 082, 026	2, 472, 599	3, 659, 053	78, 796	8, 846, 904	1		
Plumbers' supplies, not including pipe or vitreous china sanitary ware. Printing and publishing, newspaper and periodica	8 1 44	113 1, 600	824 1, 012	150	1, 687 2, 630	316, 518 3, 708, 118	1, 323, 227 2, 281, 954	1, 254, 793 3, 474, 943	172, 468 120, 611	3, 752, 287 15, 524, 660	2, 325, 026 11, 929, 10		
work), not made in planing mins connected with sawmills.— Plumbors' supplies, not including pipe or vitreous china sanitary ware.— Printing and publishing, newspaper and periodice Refrigerators and refrigerator cabinets, exclusiv of mechanical refrigerating equipment.— Sousage, meat puddings, headcheese, etc., an sausage casings, not made in meat-packin, establishments 4	4	25	83		171	90, 976	155, 829	188, 570	5, 209	570, 915	377, 130		
sausage casings, not made in meat-packin, establishments ⁴ . Signs and advertising novelties. Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering ⁴ . Stereotyping and electrotyping, not done in printing establishments ⁴ . Stoves and ranges (other than electric) and warm	20 19	74 67	322 451	305	1, 229 297	238, 552 194, 059	507, 355 496, 995	3, 822, 673 511, 635	62, 075 14, 183	5, 252, 970 1, 654, 238	1, 368, 222 1, 128, 420		
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering formal stamping, not done in privi	13	401	1, 941	2, 745	851	932, 150	2, 392, 591	4, 114, 450	146, 974	10, 178, 825	5, 917, 40		
ing establishments . Stoves and ranges (other than electric) and warm	6	325	1,677	765	268 4,063	105, 130 783, 994	131, 696 1, 985, 530	3, 177, 356	11, 348 180, 582	444, 722 8, 961, 028			
Structural and ornamental iron and steel work	;							4, 607, 678	126, 864	10, 326, 188			
rolling mills 4	, 24	342	1,438	1,355	2,797	981, 078 (6)	2, 241, 902 5, 045	23, 846	276	49, 924			
rolling mills ' Suspenders, garters, and other elastic woven goods made from purchased webbing. Toys (not including children's wheel goods of sleds), games, and playground equipment. Wall plaster, wall board, insulating board, an	r 5	39	1		150	82, 830	85, 696	134, 322	7, 078	416, 857	4 1		
Wall plaster, wall board, insulating board, an floor compositionOther industries	575	19 8, 094	39 45, 028	47, 337	486 80, 338	51, 236 21, 499, 002	51, 454 64, 811, 990	260, 304 163, 413, 422	11, 297 9, 100, 597	681, 387 335, 841, 353	409, 786 163, 327, 386		

^{*} See General Explanations—Duplication in Cost of Materials and Value of Products.

b Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

The figures for a few establishments located outside the county have been included with those for the county, as specified in footnotes 4 and 5, to avoid disclosing data for the establishments in question.

Includes data for 1 establishment located outside Milwaukee County.

Includes data for 2 establishments located outside Milwaukee County.

Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

Table 13.—GENERAL STATISTICS FOR THE MILWAUKEE INDUSTRIAL AREA AND FOR SELECTED COUNTIES, BY INDUSTRIES: 1929—Continued

[See note at head of this table]

Industry	Num- ber of estab- lish- ments	Sal- aried officers and em- ploy- ecs	Wage earners (aver- age for the year)	(RATEI ITY OF EQUID	POWER CAPAC- POWER PMENT Electric motors driven by pur- chased energy	Salaries	Wages	Cost of materials and containers for products a	Cost of fuel and purchased electric energy	Value of products o	Value added by manufac- ture b		
[Recourse of the emount of resunfacturing indus	BACINE COUNTY Because of the amount of manufacturing industry in this county, it had been planned to publish statistics by industries for it. It is found, however, that no figures can be												

sque for the leading industries—"Foundry and machine-shop products, not elsewhere classified," as measured by number of wage earners, and "Motor vehicles, not including motorcycles," as measured by value of products—without disclosing the data reported by individual establishments; and those industries for which is would be possible to publish separate figures without disclosing data for individual establishments. Under these conditions the publication of statistics for those industries for which separate figures could be given would be misleading, and the publication of statistics for those industries for which separate figures could be given would be misleading,

and therefore no such statistics are included in	this rep	ort]	301011 61 6	10001130103	101 011030	industrios io	which sop	ataw nguros		voix would bo	misicating,			
All industries, total	217	3, 314	15, 558	22, 741	34, 102	Dollars 7, 022, 058	Dollars 21, 972, 011	Dollars 75, 080, 699	Dollars 2, 591, 803	Dollars 156, 649, 810	Dollars 78,977,308			
			sm	EBOYG.	n cot	INTY				-				
All industries, total		1, 180	10, 000	16, 632	10, 228	Dollars 2, 754, 476	Dollars 12, 478, 285	Dollars 28, 027, 622	Dollars 1, 315, 233	Dollars 55, 548, 246	Dollars 26, 205, 391			
Beverages Boots and shoes, other than rubber Bread and other bakery products Butter Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	8 4 8 4	12 46 16 17	71 448 77 57	413	237 279 130 411	23, 497 92, 611 36, 225 28, 920	98, 561 462, 213 114, 481 72, 199	271, 069 1, 615, 081 272, 011 1, 198, 338	26, 778 15, 799 15, 687 25, 236	779, 353 2, 517, 875 510, 479 1, 462, 387	481, 506 886, 005 222, 781 238, 818			
Cigars and cigarattes	01	39 9	240 52 13 15	655 408 2	452 147 8 67	71, 101 1, 065 11, 784	196, 062 64, 548 11, 895 14, 362	819, 618 2, 569, 717 22, 713 19, 552	20, 506 37, 764 499 1, 453	1, 511, 418 2, 962, 937 80, 872 67, 934	671, 294 855, 456 87, 660 46, 020			
onerete products. oundry and machine-shop products, not elsewhere classified. urniture, including store and office fixtures. rinting and publishing, book and job	12 25 9 69	51 385 17 579	240 2,616 64 6,117	4, 284 10, 870	835 2, 012 69 5, 586	116, 964 895, 581 39, 687 1, 437, 141	327, 748 2, 648, 369 64, 323 8, 403, 524	260, 394 4, 003, 427 105, 721 16, 860, 986	28, 825 135, 680 8, 221 1, 003, 785	1, 253, 790 9, 990, 142 284, 003 84, 147, 952	964, 580 5, 851, 035 175, 061 16, 274, 181			
WINNEBAGO COUNTY														
All industries, total	214	1, 483	10, 491	33, 766	16, 313	Dollars 3, 704, 451	Dollars 11, 438, 928	Dollars 33, 785, 973	Dollars 1, 547, 173	Dollars 63, 244, 885	Dollars 27, 911, 739			
Beverages Bread and other bakery products Butter Canning and preserving: E-uits and yeartables	6 13 8	5 11 7	18 81 28	170 85	44 123 95	8, 537 22, 868 15, 074	26, 063 104, 755 51, 840	33, 465 281, 155 1, 196, 918	6, 025 15, 246 21, 710	104, 013 505, 127 1, 352, 268	64, 523 208, 726 133, 640			
Beverages Bread and other bakery products Butter Canning and preserving: Fruits and vegotables; pickles, jellies, preserves, and sauces Cheese Cigars and digarettes Confectionery Foundry and machine-shop products, not elsewhere classified	3 31 5 7	14 2 5 6	55 13 15 45	166 139	368 38 1 66	26, 500 (7) 7, 460 10, 092	43, 496 16, 751 14, 040 44, 117	269, 564 764, 932 29, 672 100, 660	6, 663 11, 562 675 6, 609	471, 702 908, 301 67, 387 189, 322	195, 475 131, 807 37, 040 82, 053			
Fur goods	14 8 4 9	77 5 46 207	405 30 330 1, 838	75 285 17, 735	1, 149 5 1, 075 4, 604	256, 657 8, 257 100, 884 630, 310	554, 586 38, 678 340, 446 2, 209, 341	786, 826 44, 713 504, 835 8, 763, 432	50, 771 1, 746 34, 901 839, 210	2, 329, 455 129, 205 1, 200, 868 16, 395, 620	1, 491, 858 82, 746 601, 132 6, 792, 978			
Planing-mill products (including general mill-work), not made in planing mills connected with sawmills. Other industries.	10 101	185 913	1, 338 6, 295	4, 405 10, 706	031 7,814	550, 683 2, 061, 120	1, 440, 013 6, 554, 802	3, 055, 951 17, 953, 850	74, 089 477, 088	5, 950, 055 33, 641, 562	2, 820, 015 15, 209, 746			

[&]quot; See General Explanations—Duplication in Cost of Materials and Value of Products.

b Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries."

WYOMING

TABLE 1.—SUMMARY FOR THE STATE: 1899 to 1929

[Data for the "Automobile repairing" industry are included in the figures for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures. The figures for 1919 and prior years cover all establishments with products valued at \$500 or more, whereas the corresponding limit for 1921 and subsequent years was \$5,000. See General Explanations—Establishments Covered—Size]

									_		•
	Num- ber of	Wage earners	HORSEFO ITY) OF	WER (RAT	ED CAPAC- UIPMENT		COST OF MAPRODUCTS, ELECTRIC E	TERIALS, CONT FUEL, AND NERGY	AINERS FOR PURCHASED		
YEAR OR PERIOD	estab- lish- ments	for the	Total	Prime movers	Motors driven by purchased energy	Wages	Total 2	Materials and con- tainers	Fuel and purchased energy	Value of products 2	Value added by manufac- ture ³
1929 1927 1925 1925 1921	248 229 224 246 254	6, 258 5, 577 6, 333 7, 510 7, 254	46, 677 40, 191 28, 721 23, 959 (4)	28, 715 29, 373 19, 044 16, 040 (5)	17, 962 10, 818 9, 677 7, 919 (5)	\$10, 255, 365 9, 066, 022 10, 526, 253 12, 501, 584 13, 890, 314	\$62, 720, 084 63, 741, 234 76, 073, 349 69, 694, 623 48, 320, 446	\$60, 033, 573 60, 846, 173 (4) (4) (4)	\$2, 686, 511 2, 895, 061 (4) (4) (4)	\$96, 348, 076 85, 368, 360 107, 984, 752 110, 631, 659 80, 246, 919	\$33, 627, 992 21, 627, 126 31, 911, 403 40, 937, 036 31, 926, 473
1919 1914 1900 1900 1904 1899	576 337 208 169 139	6, 634 2, 989 2, 867 1, 834 2, 060	17, 864 10, 004 7, 628 3, 604 3, 820	10, 364 8, 828 7, 114 3, 558 3, 813	7, 500 1, 176 514 46 7	11, 188, 979 2, 311, 754 2, 080, 763 1, 261, 122 1, 209, 123	42, 250, 528 5, 559, 387 2, 608, 189 1, 300, 773 1, 369, 730	40, 510, 297 5, 207, 921 2, 420, 903 1, 227, 073 (8)	1, 740, 231 351, 466 187, 286 73, 700 (6)	81, 445, 304 11, 223, 415 6, 249, 078 3, 523, 260 3, 268, 555	39, 194, 866 5, 664, 028 3, 640, 889 2, 222, 487 1, 898, 825
					PE	R CENT OF INC	REASE OR DECE	EASE ()			
1927–1929 1925–1927 1923–1925 1921–1923 1910–1921	8.3 2.2 -8.9 -3.1 -55.9	12. 2 -11. 9 -15. 7 3. 5 9. 3	16. 1 39, 9 19. 9	-2.2 54.2 18.7	66.0 11.8 22.2	13, 1 -13, 9 -15, 8 -10, 0 24, 1	-1.6 -16.2 9.2 44.2 14.4	-1.3		12.9 -20.9 -2.4 37.9 -1.5	55. 5 -32. 2 -22. 0 28. 2 -18. 5
1919-1929 1909-1919 1899-1909	-56, 9 114, 9 92, 8	-5.7 131.4 39.2	161. 3 134. 2 99. 7	177. 1 45. 7 86. 6	139. 5 1, 359. 1 (⁷)	-8.3 437.7 72.1	48. 4 1, 519. 9 90. 4	48. 2 1, 573. 4	54. 4 829. 2	18.3 1,203.3 91.2	-14. 2 976. 5 91. 7

1 Not including salaried employees.
2 The aggregates for cost of materials, etc., and value of products, include considerable amounts of duplication due to the use of the products of certain industries as materials in others. See General Explanations—Duplication in Cost of Materials and Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.
4 Not reported separately.
5 Not called for on schedule.
6 No comparable data.
7 Per cent not computed where base is less than 100.

TABLE 2.—SUMMARY FOR COUNTIES: 1929

[This table gives statistics for each county in which 10 wage earners or more were employed and for which it is possible to publish separate figures without disclosing an approximation of the data supplied by individual establishments. Certain of the other counties, however, reported larger numbers of wage earners or larger values of products than some of the counties shown separately. It is the practice of the Bureau of the Census to publish summary statistics of manufactures for all cities having 10,000 inhabitants or more. Two such cities, namely, Caspar and Cheyenne, are located in Wyoming; but it has been necessary to withhold from publication the figures for these cities in order to avoid disclosing an approximation of the data reported by individual establishments]

COUNTY	Popula-	Num- ber of estab-	Wage earners (aver-	Horse-	Wages		TERIALS, CONT FUEL, AND NERGY		Value of	Value added by
COUNTY	1930	lish- ments	age for the year) 1	power ?	w ages	Total ,	Materials and containers	Fuel and purchased energy	products	manu- facture
The State	225, 565	248	6, 258	46, 677	\$10, 255, 365	\$62, 720, 084	\$60,033,573	\$2, 686, 511	\$96, 348, 076	\$33, 627, 992
Albany. Big Horn. Carbon Converse Crooks	12, 041 11, 222 11, 391 7, 145 5, 333	26 12 14 7	770 312 289 90 91	6, 525 3, 523 2, 972 684 444	1, 316, 606 498, 946 537, 144 152, 750 111, 475	3, 107, 219 3, 993, 206 2, 381, 901 1, 664, 830 67, 548	2, 855, 717 3, 814, 211 2, 278, 273 1, 514, 495 67, 163	251, 502 178, 995 103, 628 150, 335 385	5, 641, 686 6, 978, 403 4, 317, 087 2, 860, 832 237, 209	2, 534, 467 2, 985, 197 1, 935, 186 1, 196, 002 169, 661
Fremont	10, 490 5, 476 4, 816 26, 845 10, 894	12 5 3 22 10	253 12 57 1,073	480 62 128 4,498 165	320, 069 16, 657 77, 675 1, 545, 368 40, 286	617, 242 35, 611 34, 280 1, 937, 605 352, 207	603, 390 - 34, 651 - 33, 076 1, 777, 541 - 339, 795	13, 852 960 1, 204 160, 064 12, 412	1, 015, 564 92, 156 136, 836 4, 279, 768 435, 651	398, 322 56, 545 102, 556 2, 342, 163 83, 444
Park Platte Sheridan Sublette	8, 207 9, 695 16, 875 1, 944	9 7 30 5	49 25 569 113	659 84 2, 503 242	78, 612 27, 871 837, 270 98, 191	394, 940 27, 100 3, 365, 463 69, 264	381, 836 25, 665 3, 236, 243 65, 669	13, 104 1, 435 129, 220 3, 595	584, 975 84, 436 4, 926, 739 286, 800	170, 035 57, 336 1, 561, 276 217, 536
Sweetwater Uinta Weston All other counties ³	18, 165 6, 572 4, 673 53, 781	11 7 8 53	343 244 20 1, 916	847 738 535 21, 588	731, 544 367, 850 21, 837 3, 475, 214	563, 247 583, 822 199, 353 43, 325, 246	553, 983 552, 402 193, 849 41, 705, 614	9, 264 31, 420 5, 504 1, 619, 632	1, 390, 045 1, 016, 631 299, 100 61, 754, 158	826, 798 462, 809 99, 747 18, 428, 912

Not including salaried employees.
 Rated capacity of prime movers plus rated capacity of electric motors driven by purchased energy.
 Campbell, Goshen, Natrona, Niobrara, Teton, and Washakie Counties. (See headnote.)

Table 3.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES, BY SEX: 1929, 1919, 1914, AND 1909

CENSUS YEAR	Δl	LL CLASSE	s		RIETORS M MEMB		PRINCIPA CERS OF		IED OFFI- LATIONS		SALARIE ND EMP			GE EARNE E FOR THI	
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1929 ¹ 1919 ¹ , ³ 1914 ³ 1909	7, 281 8, 095 3, 696 3, 393	7, 093 7, 787 3, 578 3, 313	188 308 118 80	127 567 293 263	120 551 278 257	7 16 15 6	71 40 31 19	67 39 31 19	1	825 854 383 244	715 652 336 216	110 202 47 28	6, 258 6, 634 2, 989 2, 867	2 6, 191 6, 545 2, 933 2, 821	² 67 89 50 46

TABLE 4.—WAGE EARNERS, BY MONTHS: 1929, 1919, 1914, AND 1909

[Statistics for wage earners by months for individual industries, by States, are given in the industry reports as published separately and in Volume II. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italia figures]

numbe	Average number		NUM	BER EMP	LOYED ON	7 15TH DA	Y OF MO	NTH OR N	EAREST I	REPRESEN		AY .		Per cent
CENSUS YEAR	em-	January	Febru- ary	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	num is of maxi- mum
1929 1 1019 1 1014 1 1909 1	6, 258 6, 634 2, 989 2, 867	5, 997 5, 876 2, 663 2, 496	5, 820 5, 804 2, 041 2, 481	5, 804 5, 853 2, 815 2, 642	5, 957 5, 939 2, 736 2, 642	6, 050 5, 996 2, 646 2, 783	6, 231 6, 409 2, 882 2, 983	6, 473 6, 885 3, 230 2, 957	6, 406 7, 216 3, 352 3, 042	8, 427 7, 127 3, 347 3, 132	7, 000 7, 509 3, 279 3, 031	6, 837 7, 560 3, 207 3, 187	6, 094 7, 434 3, 070 3, 065	82, 9 76, 8 78, 8 79, 1

¹ The figures for 1919 and 1914 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures,

TABLE 5.—ESTABLISHMENTS CLASSIFIED ACCORDING TO PREVAILING HOURS OF LABOR PER WEEK FOR WAGE EARNERS: 1929

[The data for each establishment are classified as a total according to the customary hours of labor in that establishment, even though a few employees may have worked a larger or a smaller number of hours]

PREVAILING HOURS OF LABOR PER WEEK	Num- ber of estab- lish- ments	Wage earners (average for the year)	PREVAILING HOURS OF LABOR PER WEEK	Num- ber of estab- lish- ments	Wage earners (average for the year)
All classes	248 41 1 4	6, 258			940 2, 350 195 425 1, 371
Over 40 but under 44. 44 and over but under 45.	20	159	60 and over	37	729

¹ Combined to avoid disclosing an approximation of the data for individual establishments.

Table 6.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY NUMBER OF WAGE EARNERS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures; and those for 1919 and 1900 include data for all establishments with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

CLASS		MBER BLISHA			FARNER FOR THE		CLASS		MBER BLISH		WAGE ERAGE	EARNER FOR THE	
	1929	1919	1909	1929	1919	1909		1929	1919	1909	1929	1919	1909
All establishments	248	576	268	6, 258	6, 684	2, 807	51 to 100 101 to 250	12 13	7 6	2 8	853 2,071	468 1, 170	130
No wage earners	10 152 44 13	112 377 63 6	40 191 25 1	378 458 417	668 650 186	364 239 34	251 to 500. 501 to 1,000. 1,001 to 2,500.	14	ιš		}1 2, 081	2, 232	

¹ Combined to avoid disclosing approximations of the data for individual establishments.

¹ No data in regard to sex of persons engaged in manufacturing industries were collected for any year between 1919 and 1929.

² Computed by the use of ratios between numbers of male and of female wage earners reported for December 14. See General Explanations—Persons Engaged.

³ Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO SIZE BY VALUE OF PRODUCTS: 1929, 1919, AND 1909

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in either the 1929 or the 1909 census of manufactures]

VALUE OF PRODUCTS	NUMBER OF ESTABLISHMENTS			WAGE EARNERS (AVERAGE FOR THE YEAR)			VAL	UE OF PRODUC	CTS	VALUE ADDED BY MANUFACTURE 1			
	1929	1919	1909	1929	1919	1909	1929	1919	1909	1929	1919	1909	
All establishments	248	576	268	6, 258	6, 634	2, 867	\$96, 348, 076	\$81, 445, 394	\$6, 249, 078	\$33, 627, 992	\$39, 194, 866	\$3, 040, 889	
Less than \$5,000	(²) 101	195 235	141 86	(²) 208	103 447	161 231	(2) 1, 069, 273	496, 813 2, 446, 419	343, 444 771, 778	(2) 712, 405	317, 442	242, 297 480, 792	
\$20,000 to \$99,990	90 60 30	108	24 (3) (a)	615 307 308	660 (3) (3)	260 (⁸)	4, 067, 523 2, 024, 751 2, 042, 772	4, 36 8, 998 (³) (³)	913, 075 (³) (³)	2, 048, 067 1, 047, 130 1, 001, 537	1, 455, 856 2, 094, 695 (³) (³)	494, 471 (³) (³)	
\$100,000 to \$490,999 \$100,000 to \$249,999 \$250,000 to \$499,099	36 21 15	38 (3) (3)	} 17	$\left\{\begin{array}{c} 1,285\\559\\720\end{array}\right.$	5, 424 (8) (3)	2, 215	8, 309, 020 3, 301, 975 4, 947, 045	74, 133, 164 (3) (3)	4, 220, 781	4, 410, 202 1, 783, 630 2, 626, 632	35, 326, 873 (3) (8)	2, 414, 320	
\$500,000 to \$999,999	7]	924		1.	5, 106, 872)	1, 947, 207		J	
\$1,000,000 and over \$1,000,000 to \$2,499,099 \$2,500,000 to \$4,999,099 \$5,000,000 and over	14 6 4 4	(3) (3)	(3) (3) (3)	3, 226 643 1, 423 1, 160	(3) (3) (3)	(3) (8) (3)	77, 705, 388 0, 261, 276 12, 304, 492 56, 130, 620	(3) (3) (8)	(3) (8) (3)	24, 509, 361 3, 260, 038 4, 793, 114 16, 456, 209	(3) (3)	(8) (8) (8)	

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.

² No data.

3 Not tabulated separately.

TABLE 8.—ESTABLISHMENTS CLASSIFIED AS UNDER CORPORATE OR OTHER FORM OF OWNERSHIP (OR CONTROL) AND AS UNDER CENTRAL-ADMINISTRATIVE-OFFICE OR INDEPENDENT OPERATION: 1929 AND 1919

[The figures for 1919 include data for the "Automobile repairing" industry, which was not canvassed in the 1929 census of manufactures; and they cover all establishments, in all industries, with products valued at \$500 or more, whereas the corresponding limit for 1929 was \$5,000. See General Explanations—Establishments Covered—Size]

TYPE OF OWNERSHIP OR CONTROL, AND	NUMB ESTABLIS		WAGE EARN AGE FOR T		VALUE OF	PRODUCTS	VALUE ADDED BY MANUFACTURE		
OF OPERATION	1929	1919	1929	1919	1929	1919	1929	1919	
Total	248	576	6, 258	6, 634	\$00, 348, 076	\$81, 445, 394	\$33, 627, 902	\$30, 194, 800	
TYPE OF OWNERSHIP OR CONTROL									
Corporate ownership or controlOther forms of ownership or control (individual,	121	105	5, 872	6, 014	93, 625, 661	77, 333, 678	32, 216, 851	37,047,610	
partnership, etc.)	127	411	386	620	2, 722, 415	4, 111, 716	1, 411, 141	2, 147, 250	
TYPE OF OPERATION			1	* .					
Central-administrative-office (plural-unit)	57 191	(1)	5, 023 1, 235	(1) (1)	87, 789, 085 8, 558, 991	(1) (1)	29, 346, 074 4, 281, 918	(1)	

TABLE 9.—PRIME MOVERS AND ELECTRIC MOTORS, BY NUMBER AND RATED CAPACITY, FOR THE STATE: 1929, 1927, 1925, 1919, AND 1914

			PRIME I	PRIME MOVERS AND ELECTRIC MOTORS DRIVEN BY PURCHASED ENERGY Prime movers										ELECTRIC MOTORS DRIYEN BY EN- ERGYGENERATED IN ESTABLISH-	
CENSUS YEAR	Aggregate horse- power	Total horse- power of	Steam	engines	Steam	turbines	Interna tion	l-combus- ongines	Water wheels and water turbines				MENTS	REPORT-	
		prime movers	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Num- ber	Horse- power	Number	Horse- power	Number	Horse- power	
1929 1927 1925 1919 1 1014 1	46, 677 40, 191 28, 721 17, 864 10, 004	28, 715 29, 373 19, 044 10, 364 8, 828	127 123 93 132 2 150	10, 374 11, 868 9, 357 7, 030 26, 925	107 84 20 16 (3)	15, 396 14, 689 7, 653 1, 225 (³)	43 62 54 129 73	2, 782 2, 623 1, 927 1, 718 1, 366	4 5 4 15 22	163 193 107 301 537	1,740 1,162 1,057 898 212	17, 962 10, 818 9, 677 7, 500 1, 176	1, 017 945 874 137 52	14, 277 12, 957 6, 773 1, 740 515	

Data for the "Automobile repairing" industry are included in the statistics for 1919 and 1914, the only years for which this industry was canvassed in connection with the census of manufactures.
Reported as "Steam engines and turbines."
Not reported separately. See footnote 2.

TABLE 10.—HORSEPOWER OF PRIME MOVERS AND OF ELECTRIC MOTORS, BY COUNTIES: 1929

[This table presents statistics for each county for which separate figures are given in Table 2. See headnote on that table]

COUNTY	PRIME MO MOTORS CHASED	DRIVEN	ELECTRIC BY PUR-	Electric motors—	COUNTY	PRIME MOTORS CHASED	Electric motors— plant		
	Aggregate	Prime movers	e Electric energy 1 Aggregate Prim	Prime movers	Electric motors	energy 1			
The State Counties Albany Big Horn Carbon Converse Crook Fremont Hot Springs Johnson	6, 525 3, 523 2, 972 684 444 480 62 128	28, 715 1, 044 3, 261 2, 646 402 428 60 25 110	5, 481 262 326 282 16 420 37 18	14, 277 453 769 1, 769	Counties—Continued Laramie Lincoln Park Platte Sheridan Sublette Sweetwater Uinta Weston All other counties 2	4, 498 165 659 84 2, 503 242 847 738 535 21, 588	112 145 85 1, 041 242 150 14 465 18, 485	4, 386 20 574 84 1, 462 007 724 70 3, 103	377 49

² Campbell, Goshen, Natrona, Niobrara, Teton, and Washakie Counties. ¹ Horsepower of electric motors driven by energy generated in establishments reporting.

TABLE 11.—FUEL AND ELECTRIC ENERGY CONSUMED, BY QUANTITY AND COST: 1929, 1927, 1923, 1919, 1914, AND 1909

[The figures given in this table cover the consumption of fuel and purchased electric energy for all purposes—power, heat, light, etc. For county figures, see Chapter VII Volume I, Reports of the Census of Manufactures, 1920]

	19	29	1927 1	1923 ^I	1919 1	1914 1	1909 1
KIND	Quantity	Cost	Quantity	Quantity	Quantity	Quantity	Quantity
Fuel: Coal, total ² (tons, 2,000 pounds)	156, 521	\$437, 164	115, 580	122, 428	116, 035	102, 725	591, 611
Anthracite (tons, 2,240 pounds)Bituminous (tons, 2,000 pounds)	134 156, 371	1, 303 435, 861	(8) (8)	374 122, 009	70 115, 957	102, 611	590, 915
Coke (tons, 2,000 pounds) Fuel oils, including crude oils and gas oils (gallons)* Gasoline and kerosene (gallons)*	21, 413	49, 726 511, 965 3, 254	(1) (4) (4)	(f) (f)	2, 660 53, 825, 520 89, 544	638 } 10, 911, 852	307 56, 952
Gas, natural (M cubic feet) Gas, manufactured (M cubic feet) Other fuels	14, 711, 263 3, 813, 304	1, 689, 002 547, 670 105, 247	(4) (4) (4)	(1) (1)	} 4, 793, 519	4, 552 (4)	100 (4)
Electric energy purchased (kilowatt-hours)	22, 509, 462	385, 145	(6)	(4)	(4)	(4)	(4)
Total cost of fuel and purchased energy		7 3, 729, 173	Cost \$2, 895, 061	Cost (8)	Cost \$1, 740, 281	Cost \$351, 466	Cost \$187, 286

TABLE 12.—GENERAL STATISTICS, BY INDUSTRIES: 1929

[This table presents statistics for all industries for which separate figures can be given without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other industries," however, reported larger numbers of wage earners or larger values of products than some of those shown separately]

	Num-	Sala-	Wage	HORSEPOWER (RATED CAPACITY) OF POWER EQUIP- MENT				Cost of ma-	Cost of fuel		Value
Industry	ber of estab- lish- ments	ried officers and em- ployees	for the	Prime movers	Electric motors driven by pur- chased energy	Salaries	Wages	terials and containers for products 1	and pur- chased electric energy	Value of products 1	added by manufac- ture?
All industries, total	248	896	6, 258	28, 715	17, 962	\$2, 288, 632	\$10, 255, 365	\$60,033,573	\$2, 686, 511	\$96, 348, 076	\$33,627,992
Beverages	8 37 17	4 10 23	14 152 43	5 46	45 239 305	8, 418 29, 900 48, 332	19, 921 215, 781 59, 027	41, 291 597, 467 1, 055, 131	2, 866 35, 911 20, 408	119,945 1,198,983 1,369,218	75, 788 565, 605 293, 679
railroad repair shops	13 7	181 3	2, 213 25	392 43	6, 524 5	544, 928 2, 185	3, 602, 698 30, 091	3, 200, 049 395, 218	288, 966 14, 424	7, 636, 683 475, 181	4, 147, 668 65, 544
clay refractories	5 3 10 7	13 2 24 9	50 17 38 28	300 10 528 420	387 44 167 340	20, 653 (1) 42, 965 27, 518	78, 107 21, 640 50, 606 38, 973	11,996 53,895 562,584 10,826	22, 553 760 12, 599 26, 537	163, 643 103, 871 830, 336 152, 733	129,094 49,216 255,153 115,370
classified. Meat packing, wholesale Petroleum refining. Planing-mill products (including general millwork), not made in planing mills connected with sawmills.	24 4 17	31 13 259	793 52 1,679	1, 121 166 20, 251	300 197 2, 989	96, 573 55, 493 738, 912	1, 037, 286 83, 916 3, 226, 217	210,700 954,677 45,541,228	3, 151 10, 379 1, 672, 166	1, 391, 259 1, 277, 166 68, 846, 821	1, 177, 408 312, 110 21, 633, 427
with sawmills Printing and publishing, book and job Printing and publishing, newspaper and peri-	10	3 16	23 46		164 112	6,860 41,381	37, 409 93, 442	57,500 70,164	1, 726 5, 252	133,766 265,163	74, 540 189, 747
odical	46 3 33	118 17 170	174 144 767	6 5, 427	439 464 5, 241	244, 491 33, 887 346, 136	351, 430 200, 211 1, 108, 610	189, 700 2, 046, 955 5, 034, 197	20, 587 27, 605 520, 621	1, 292, 189 2, 308, 658 8, 782, 461	1,081,902 234,098 3,227,643

¹ The aggregates for cost of materials, etc., and value of products include considerable amounts of duplication due to the use of the products of certain industries as materials in others. As a rule, however, little or no duplication is included in the corresponding items for individual industries. See General Explanations—Duplication in Cost of Materials and Value of Products.
¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. This item does not represent manufacturers' profits. See General Explanations—Profits and Production Costs.
³ Withheld to avoid disclosing compensation of individual officers or employees; included in item for "Other industries,"

¹ No data on cost of fuel, by kinds, were collected for years prior to 1929. 2 Calculated by adding the number of tons of bituminous coal and the number of tons of anthracite reduced to a 2,000-pound basis. 3 Not tabulated separately.

<sup>Not tabulated separately.
No data.
For years prior to 1929, reported in barrels; converted on basis of 42 gallons per barrel.
Data incomplete.
The difference between this total and the corresponding one given in Tables 1, 2, and 12 is due to the inclusion here of the cost of fuel produced and consumed in the same establishments.
Not reported separately.</sup>