

UNITED STATES DEPARTMENT OF LABOR
BULLETIN OF THE WOMEN'S BUREAU, No. 104

**THE OCCUPATIONAL PROGRESS
OF WOMEN, 1910 TO 1930**

[PUBLIC—No. 259—66TH CONGRESS.]

[H. R. 13229.]

An Act To establish in the Department of Labor a bureau to be known as the Women's Bureau

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That there shall be established in the Department of Labor a bureau to be known as the Women's Bureau.

SEC. 2. That the said bureau shall be in charge of a director, a woman, to be appointed by the President, by and with the advice and consent of the Senate, who shall receive an annual compensation of \$5,000. It shall be the duty of said bureau to formulate standards and policies which shall promote the welfare of wage-earning women, improve their working conditions, increase their efficiency, and advance their opportunities for profitable employment. The said bureau shall have authority to investigate and report to the said department upon all matters pertaining to the welfare of women in industry. The director of said bureau may from time to time publish the results of these investigations in such a manner and to such extent as the Secretary of Labor may prescribe.

SEC. 3. That there shall be in said bureau an assistant director, to be appointed by the Secretary of Labor, who shall receive an annual compensation of \$3,500 and shall perform such duties as shall be prescribed by the director and approved by the Secretary of Labor.

SEC. 4. That there is hereby authorized to be employed by said bureau a chief clerk and such special agents, assistants, clerks, and other employees at such rates of compensation and in such numbers as Congress may from time to time provide by appropriations.

SEC. 5. That the Secretary of Labor is hereby directed to furnish sufficient quarters, office furniture, and equipment for the work of this bureau.

SEC. 6. That this act shall take effect and be in force from and after its passage.

Approved, June 5, 1920

UNITED STATES DEPARTMENT OF LABOR

FRANCES PERKINS, SECRETARY

WOMEN'S BUREAU

MARY ANDERSON, Director

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By

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TABLE I.—Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910

[Reproduced from Occupation Statistics, United States Summary: Fifteenth Census of the United States, 1930]

Occupation	1930			1920			1910		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Population 10 years old and over.....	98, 723, 047	49, 949, 798	48, 773, 249	82, 739, 315	42, 289, 969	40, 449, 346	71, 580, 270	37, 027, 558	34, 552, 712
GAINFUL WORKERS									
All occupations.....	48, 829, 920	38, 077, 804	10, 752, 116	41, 614, 248	33, 064, 737	8, 549, 511	38, 167, 336	30, 061, 564	8, 075, 772
Agriculture ¹	10, 471, 998	9, 562, 059	909, 939	10, 665, 812	9, 582, 666	1, 083, 146	12, 388, 309	10, 581, 688	1, 806, 624
Farmers (owners and tenants).....	6, 012, 012	5, 749, 367	262, 645	6, 387, 360	6, 121, 783	265, 577	6, 132, 380	5, 859, 238	273, 142
Farm managers and foremen.....	67, 222	66, 259	963	92, 324	77, 984	14, 340	50, 296	42, 531	7, 775
Farm laborers.....	4, 392, 764	3, 746, 433	646, 331	4, 186, 128	3, 382, 899	803, 229	6, 205, 633	4, 679, 926	1, 525, 707
Wage workers ¹	2, 732, 972	2, 561, 649	171, 323	2, 336, 009	2, 109, 422	226, 587	2, 895, 099	2, 545, 977	349, 122
Unpaid family workers ¹	1, 659, 792	1, 184, 784	475, 008	1, 850, 119	1, 273, 477	576, 642	2, 310, 534	2, 133, 949	1, 176, 685
Forestry and fishing.....	250, 469	250, 140	329	270, 214	269, 541	673	241, 806	241, 249	557
Fishermen and oystermen.....	73, 280	73, 071	209	82, 836	82, 457	379	68, 275	67, 799	476
Foresters, forest rangers, and timber cruisers.....	8, 057	8, 042	15	3, 653	3, 651	2	4, 333	4, 333	.....
Owners and managers of log and timber camps.....	8, 899	8, 899	10	8, 410	8, 397	13	7, 931	7, 927	4
Owners and proprietors.....	5, 650	5, 641	9	6, 315	6, 307	8	6, 206	6, 202	4
Managers and officials.....	1, 249	1, 248	1	2, 095	2, 090	5	1, 725	1, 725	.....
Lumbermen, raftsmen, and woodchoppers.....	162, 233	162, 138	95	205, 315	205, 036	279	161, 268	161, 191	77
Foremen.....	3, 910	3, 910	.....	6, 090	6, 090	.....	4, 736	4, 736	.....
Inspectors, scalers, and surveyors.....	2, 184	2, 183	1	2, 344	2, 344	.....	2, 110	2, 109	1
Teamsters and haulers.....	8, 243	8, 242	1	17, 108	17, 106	2	15, 038	15, 038	.....
Other lumbermen, raftsmen, and woodchoppers.....	146, 896	146, 803	93	179, 778	179, 496	279	139, 322	139, 246	76
Extraction of minerals.....	984, 323	983, 564	759	1, 090, 223	1, 087, 339	2, 884	964, 169	964, 075	1, 094
Operators, managers, and officials.....	30, 896	30, 755	141	34, 325	34, 143	182	25, 234	25, 127	107
Operators.....	18, 511	18, 423	88	17, 334	17, 218	116	14, 267	14, 201	66
Managers and officials.....	12, 385	12, 332	53	16, 991	16, 927	64	10, 967	10, 926	41
Foremen, overseers, and inspectors.....	34, 286	34, 274	12	36, 931	36, 923	8	23, 338	23, 328	10
Foremen and overseers.....	28, 132	28, 121	11	27, 945	27, 939	6	22, 142	22, 133	9
Inspectors.....	6, 154	6, 153	1	8, 986	8, 984	2	1, 196	1, 195	1

Coal-mine operatives.....	621, 661	621, 545	116	733, 936	732, 441	1, 495	613, 924	613, 519	406
Other operatives in extraction of minerals.....	297, 480	296, 990	490	285, 031	283, 852	1, 179	302, 673	302, 101	572
Copper-mine operatives.....	30, 939	30, 936	3	36, 054	35, 918	136	39, 270	39, 251	19
Gold and silver mine operatives.....	18, 157	18, 148	9	32, 700	32, 666	34	55, 436	55, 397	39
Iron-mine operatives.....	24, 248	24, 245	3	38, 704	38, 605	99	49, 948	49, 909	39
Lead and zinc mine operatives.....	16, 154	16, 153	1	20, 798	20, 749	49	19, 486	19, 471	15
Other specified mine operatives.....	11, 788	11, 771	17	11, 320	11, 271	49	7, 945	7, 901	54
Not specified mine operatives.....	21, 558	21, 545	13	9, 271	9, 262	9	19, 821	19, 807	14
Quarry operatives.....	65, 288	65, 283	25	45, 162	45, 084	78	80, 840	80, 795	45
Oil and gas well operatives.....	105, 224	105, 212	12	85, 650	85, 303	247	25, 562	25, 548	14
Salt well and works operatives.....	4, 124	3, 717	407	5, 472	4, 994	478	4, 365	4, 032	333
Manufacturing and mechanical industries.....	14, 110, 652	12, 224, 345	1, 886, 307	12, 831, 879	10, 901, 527	1, 930, 352	10, 056, 545	8, 835, 608	1, 820, 847
Apprentices to building and hand trades.....	40, 133	40, 105	28	73, 953	73, 897	56	(¹)	(¹)	(¹)
Blacksmiths' apprentices.....	682	682	—	2, 661	2, 659	2	2, 816	2, 814	2
Boilermakers' apprentices.....	631	631	—	2, 005	2, 005	—	(¹)	(¹)	(¹)
Carpenters' apprentices.....	4, 138	4, 133	5	4, 805	4, 797	8	6, 069	6, 061	8
Electricians' apprentices.....	4, 611	4, 604	7	9, 562	9, 557	5	2, 061	2, 060	1
Machinists' apprentices.....	13, 606	13, 600	6	39, 463	39, 448	15	(¹)	(¹)	(¹)
Plumbers' apprentices.....	5, 937	5, 937	—	7, 386	7, 386	—	9, 903	9, 899	4
Tinmiths' and coppermiths' apprentices.....	1, 937	1, 937	—	2, 816	2, 815	1	(¹)	(¹)	(¹)
Apprentices to other building and hand trades.....	8, 591	8, 581	10	5, 255	5, 230	25	6, 562	6, 565	17
Apprentices (except to building and hand trades) ¹	37, 319	33, 450	3, 869	66, 447	67, 070	9, 377	(¹)	(¹)	(¹)
Dressmakers' and milliners' apprentices.....	2, 181	20	2, 161	4, 326	17	4, 309	12, 011	31	11, 980
Jewelers', watchmakers', goldsmiths', and silversmiths' apprentices.....	1, 177	1, 041	136	2, 633	2, 247	386	1, 839	1, 770	69
Printers' and bookbinders' apprentices.....	10, 928	10, 575	353	11, 603	10, 366	1, 237	12, 395	11, 454	941
Other apprentices in manufacturing ¹	23, 033	21, 814	1, 219	47, 885	44, 440	3, 445	(¹)	(¹)	(¹)
Bakers.....	140, 800	131, 884	8, 916	97, 940	93, 347	4, 593	89, 531	84, 752	4, 779
Blacksmiths, forgemen, and hammermen.....	147, 469	147, 460	9	221, 421	221, 416	5	240, 174	240, 143	31
Blacksmiths.....	124, 373	124, 365	8	195, 255	195, 251	4	232, 988	232, 957	31
Forgemen and hammermen.....	23, 096	23, 095	1	26, 166	26, 165	1	7, 186	7, 186	—
Boilermakers.....	49, 923	49, 923	—	74, 088	74, 088	—	44, 761	44, 761	—
Brick and stone masons and tile layers.....	170, 903	170, 896	7	131, 264	131, 257	7	169, 402	169, 387	15
Builders and building contractors.....	167, 512	167, 310	202	90, 109	90, 030	79	174, 422	173, 573	849
Cabinetmakers.....	57, 897	57, 890	7	45, 511	45, 503	8	41, 892	41, 884	8
Carpenters.....	929, 426	929, 376	50	887, 379	887, 208	171	817, 120	817, 062	38
Compositors, linotypers, and typesetters.....	183, 632	173, 363	10, 269	140, 165	128, 859	11, 306	127, 589	113, 538	14, 051
Coopers.....	11, 347	11, 347	—	19, 066	19, 061	5	25, 299	25, 292	7
Dressmakers and seamstresses (not in factory).....	158, 380	157, 452	928	236, 855	236, 855	—	449, 342	449, 342	—
Dyers.....	17, 719	17, 425	294	15, 109	14, 978	131	14, 050	13, 396	447, 760
Electricians.....	280, 317	280, 279	38	212, 064	212, 945	19	120, 241	120, 155	86

For footnotes see pp. 74 and 75.

TABLE I.—Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910—Continued

Occupation	1930			1920			1910		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Manufacturing and mechanical—Continued.									
Electrotypers, stereotypers, and lithographers.....	16,692	16,448	244	13,716	13,530	186	12,506	11,929	577
Electrotypers and stereotypers.....	7,824	7,805	19	5,494	5,494	10	4,268	4,268	100
Lithographers.....	8,868	8,643	225	8,222	8,046	176	8,138	7,661	477
Engineers (stationary), crane-men, hoistmen, etc.....	316,904	316,942	22	279,984	279,940	44	(19)	(19)	(19)
Engineers (stationary).....	256,078	256,060	18	242,096	242,064	32	231,041	231,031	10
Crane-men, derrickmen, hoistmen, etc.....	60,886	60,882	4	37,888	37,876	12	(19)	(19)	(19)
Engravers.....	19,437	18,747	690	15,053	14,492	561	13,067	13,429	538
Filers, grinders, buffers, and polishers (metal).....	78,600	76,264	2,336	59,785	57,315	2,470	49,525	48,079	2,846
Buffers and polishers.....	35,206	33,625	1,581	30,511	28,484	2,027	30,498	28,191	2,305
Filers.....	16,593	16,358	235	10,959	10,893	66	10,236	10,069	167
Grinders.....	26,801	26,261	520	18,315	17,938	377	8,793	8,419	374
Firemen (except locomotive and fire department).....	127,294	127,293	1	143,875	143,862	13	111,248	111,248	.....
Foremen and overseers (manufacturing) ¹¹	338,504	310,037	28,467	308,137	277,966	30,171	175,997	156,256	19,741
Furnace men, smelter men, heaters, puddlers, etc.....	35,166	35,165	1	40,806	40,800	6	36,251	36,226	25
Furnace men, smelter men, and pourers.....	18,627	18,627	.....	19,221	19,217	4	20,414	20,398	16
Heaters.....	14,942	14,941	1	16,470	16,468	2	10,120	10,111	9
Puddlers.....	1,597	1,597	.....	5,115	5,115	.....	5,717	5,717	.....
Glass blowers.....	3,268	3,209	59	9,144	9,055	89	15,564	15,474	90
Jewelers, watchmakers, goldsmiths, and silversmiths.....	38,662	37,408	1,254	39,592	37,914	1,678	32,574	30,037	2,537
Goldsmiths and silversmiths.....	4,018	3,937	81	4,828	4,771	57	5,757	5,553	204
Jewelers and lapidaries (factory).....	7,519	6,898	621	8,757	7,701	1,056	10,631	8,783	1,848
Jewelers and watchmakers (not in factory).....	27,125	26,573	552	26,007	25,442	565	16,186	15,701	485
Loom fixers.....	19,215	19,180	35	15,961	15,958	3	13,254	13,254	.....
Machinists, millwrights, and toolmakers.....	761,095	761,075	20	894,672	894,654	8	488,049	487,956	93
Machinists.....	640,289	640,285	4	801,901	801,896	5	461,344	461,271	73
Millwrights.....	42,012	42,006	6	37,669	37,669	.....	17,442	17,442	.....
Toolmakers and die setters and sinkers.....	78,794	78,784	10	55,092	55,089	3	9,263	9,243	20
Managers and officials (manufacturing) ¹¹	312,756	302,334	10,422	249,950	241,619	8,331	125,694	123,831	1,863
Manufacturers ¹¹	267,901	262,190	5,711	183,695	178,750	4,945	235,618	231,317	4,301

Mechanics (n. o. s. ¹⁷).....	638, 253	638, 190	63	(11)	(11)	(11)	(11)	(11)	(11)	(11)
Air transportation.....	3, 406	3, 405	1	(11)	(11)	(11)	(11)	(11)	(11)	(11)
Automobile factories, garages, and repair shops.....	394, 188	394, 169	19	(11)	(11)	(11)	(11)	(11)	(11)	(11)
Railroads and car shops.....	21, 847	21, 847		(11)	(11)	(11)	(11)	(11)	(11)	(11)
Other industries.....	218, 812	218, 769	43	(11)	(11)	(11)	(11)	(11)	(11)	(11)
Millers (grain, flour, feed, etc.).....	15, 946	15, 906	40	23, 272	23, 265	7	23, 152	23, 003	59	
Milliners and millinery dealers.....	44, 948	4, 846	40, 102	73, 255	3, 637	69, 598	127, 908	5, 459	122, 447	
Molders, founders, and casters (metal).....	105, 158	105, 139	19	123, 681	123, 668	13	120, 900	120, 783	117	
Brass molders, founders, and casters.....	6, 287	6, 284	3	7, 238	7, 238		6, 812	6, 509	3	
Iron molders, founders, and casters.....	63, 289	63, 287	2	114, 031	114, 022	9	112, 122	112, 070	52	
Other molders, founders, and casters.....	35, 582	35, 568	14	2, 412	2, 408	4	2, 266	2, 204	62	
Oilers of machinery.....	31, 210	31, 169	41	24, 012	24, 568	44	14, 013	13, 990	23	
Painters, glaziers, varnishers, enamellers, etc.....	528, 931	524, 150	4, 781	323, 032	319, 697	3, 335	337, 355	334, 814	2, 541	
Enamellers, lacquerers, and japanners.....	5, 758	4, 622	1, 136	4, 137	3, 168	969	2, 999	1, 988	1, 031	
Painters, glaziers, and varnishers (building).....	430, 105	429, 982	123	248, 497	248, 394	103	273, 441	273, 040	381	
Painters, glaziers, and varnishers (factory).....	93, 068	89, 546	3, 522	70, 398	68, 135	2, 263	60, 915	59, 786	1, 129	
Paper hangers.....	28, 328	26, 872	1, 456	18, 746	18, 338	408	25, 577	24, 780	797	
Pattern and model makers.....	29, 750	29, 711	39	27, 720	27, 663	57	23, 559	23, 001	553	
Piano and organ tuners.....	6, 823	6, 799	24	7, 047	7, 007	40	6, 633	6, 528	105	
Plasterers and cement finishers.....	85, 480	85, 477	3	45, 876	45, 870	6	47, 682	47, 676	6	
Cement finishers.....	15, 427	15, 427		7, 621	7, 621		(11)	(11)	(11)	
Plasterers.....	70, 053	70, 050	3	38, 255	38, 249	6	47, 682	47, 078	6	
Plumbers and gas and steam fitters.....	237, 814	237, 813	1	206, 718	206, 715	3	148, 304	148, 304		
Pressmen and plate printers (printing).....	31, 215	31, 215		18, 683	18, 683		20, 084	19, 892	192	
Rollers and roll hands (metal).....	30, 765	30, 765		25, 061	25, 061		18, 407	18, 344	23	
Roofers and slaters.....	23, 636	23, 636		11, 378	11, 378		14, 078	14, 078		
Sawyers.....	36, 064	35, 984	80	33, 800	33, 800	9	43, 278	43, 257	19	
Shoemakers and cobblers (not in factory).....	76, 388	70, 127	261	78, 859	78, 599	260	69, 570	68, 788	782	
Skilled occupations (not elsewhere classified).....	12, 258	12, 227	31	12, 348	12, 319	29	10, 175	10, 032	143	
Stonecutters.....	22, 888	22, 887	1	22, 099	22, 090	3	35, 731	35, 726	5	
Structural-iron workers (building).....	28, 966	28, 966		18, 836	18, 836		11, 427	11, 427		
Tailors and tailresses.....	169, 283	147, 476	21, 807	192, 232	160, 404	31, 828	204, 608	163, 795	40, 813	
Tinsmiths and coppermiths.....	83, 427	83, 421	6	74, 968	74, 957	11	59, 833	59, 809	24	
Coppersmiths.....	3, 027	3, 020	1	5, 233	5, 232	1	3, 410	3, 410		
Tinsmiths and sheet-metal workers.....	80, 400	80, 395	5	69, 735	69, 725	10	56, 423	56, 399	24	
Upholsterers.....	51, 452	49, 097	2, 355	29, 605	27, 338	2, 267	20, 221	18, 028	1, 293	
Operatives (n. o. s. ¹⁷):.....										
Building industry.....	18, 442	18, 419	23	7, 003	6, 983	20	11, 733	10, 212	1, 521	

For footnotes see pp. 74 and 75.

TABLE I.—Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910—Continued

Occupation	1930			1920			1910		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Manufacturing and mechanical—Continued.									
Operatives—Continued.									
Chemical and allied industries.....	117,467	88,604	28,863	117,416	115,287	119,129	39,810	26,134	13,676
Charcoal and coke works.....	1,587	1,572	15	1,722	1,692	30	1,634	1,618	16
Explosives, ammunition, and fireworks factories.....	5,904	3,322	2,582	7,379	4,811	2,568	5,263	2,858	2,405
Fertilizer factories.....	1,538	1,484	54	1,407	1,352	55	635	622	13
Gas works.....	13,896	13,873	23	9,402	9,294	168	5,732	5,689	43
Paint and varnish factories.....	8,297	7,266	1,031	5,521	4,686	835	3,920	3,292	628
Petroleum refineries.....	25,274	24,781	493	8,891	8,229	662	1,739	1,660	79
Rayon factories.....	20,940	10,087	10,853	(14)	(14)	(14)	(14)	(14)	(14)
Soap factories.....	5,289	3,408	1,884	6,288	3,239	3,049	4,443	2,516	1,927
Other chemical factories.....	34,742	22,814	11,928	29,746	17,984	11,762	16,444	7,870	8,574
Cigar and tobacco factories.....	103,715	35,767	67,948	145,222	61,262	83,960	151,801	79,956	71,845
Clay, glass, and stone industries.....	96,342	80,630	15,712	85,434	72,269	13,165	88,601	79,230	9,461
Brick, tile, and terra-cotta factories.....	12,884	11,535	1,349	9,987	9,357	630	13,407	12,649	758
Glass factories.....	40,853	33,554	7,299	44,831	37,036	7,795	41,877	37,927	3,950
Lime, cement, and artificial-stone factories.....	11,395	11,069	326	7,633	7,426	207	8,009	8,480	129
Marble and stone yards.....	7,963	7,953	10	5,548	5,478	68	8,539	8,389	150
Potteries.....	23,247	16,519	6,728	17,437	12,372	5,065	16,259	11,785	4,474
Clothing industries.....	488,909	142,158	346,751	409,301	143,718	265,643	386,136	148,866	237,270
Corset factories.....	10,921	852	10,069	12,642	1,115	11,527	13,073	1,375	11,698
Glove factories.....	18,465	4,955	13,510	23,357	6,584	16,773	19,349	5,353	13,986
Hat factories (felt).....	26,454	17,981	8,473	21,178	14,716	6,462	33,020	22,702	10,318
Shirt, collar, and cuff factories.....	55,471	9,708	45,763	52,377	10,361	42,016	60,169	13,311	46,858
Suit, coat, and overall factories.....	106,773	50,190	56,583	143,872	79,357	64,515	138,042	75,444	62,598
Other clothing factories.....	270,825	58,472	212,353	155,935	31,686	124,350	122,493	30,681	91,812
Food and allied industries.....	224,416	135,830	88,586	204,550	131,453	73,097	136,786	98,347	38,439
Bakeries.....	27,901	12,602	15,299	20,441	8,858	11,583	8,938	3,008	5,930
Butter, cheese, and condensed-milk factories.....	25,707	21,331	4,376	18,841	16,090	2,745	11,598	11,065	533
Candy factories.....	44,470	17,404	27,066	52,281	20,913	31,368	30,943	13,608	17,335
Fish curing and packing.....	6,796	3,699	3,097	7,586	4,363	3,223	2,776	1,786	990
Flour and grain mills.....	6,872	6,320	552	8,112	7,524	588	3,992	3,750	242
Fruit and vegetable canning, etc.....	18,748	5,196	13,552	10,204	3,598	6,606	5,200	2,127	3,073
Slaughter and packing houses.....	53,059	43,052	10,007	49,991	41,906	8,085	25,897	23,492	2,405
Sugar factories and refineries.....	3,778	3,070	708	3,806	3,144	662	1,871	1,655	216
Other food factories.....	25,898	12,743	13,155	17,633	9,791	7,842	13,978	8,192	5,786
Liquor and beverage industries.....	11,187	10,418	774	15,655	14,960	695	31,503	29,664	1,839

Iron and steel, machinery, and vehicle industries	651,398	590,635	60,763	680,980	632,101	57,810	369,040	345,483	23,557
Agricultural-implement factories.....	8,782	8,281	501	7,722	7,130	586	4,866	4,494	372
Automobile factories.....	161,957	142,925	19,032	121,104	108,376	12,788	21,091	20,243	848
Automobile repair shops.....	9,452	9,407	45	(10)	(10)	(10)	(10)	(10)	(10)
Blast furnaces and steel-rolling mills ¹⁷	106,664	103,575	3,089	93,627	89,520	4,101	70,273	67,689	2,384
Car and railroad shops.....	65,006	64,573	435	97,979	97,003	976	47,783	47,400	377
Ship and boat building.....	19,969	19,904	65	97,668	97,175	491	14,530	14,404	60
Wagon and carriage factories.....	2,766	2,517	249	9,430	8,749	681	22,339	21,255	1,084
Other iron and steel and machinery factories ¹⁸	248,911	213,952	34,959	¹⁸ 245,450	¹⁸ 209,112	¹⁸ 30,338	¹⁸ 154,720	¹⁸ 138,677	¹⁸ 16,043
Not specified metal industries.....	27,889	25,501	2,388	16,942	15,064	1,878	33,438	31,055	2,383
Metal industries (except iron and steel)	91,852	61,049	30,803	91,291	60,844	30,447	69,815	48,056	20,859
Brass mills.....	14,834	11,606	3,228	17,482	13,576	3,906	10,885	14,350	2,535
Clock and watch factories.....	15,036	8,492	6,544	18,244	10,043	8,201	15,628	9,252	6,376
Copper factories.....	2,950	2,824	126	2,986	2,834	152	1,968	1,915	53
Gold and silver factories.....	5,902	3,877	2,025	6,239	4,432	1,807	5,831	4,141	1,690
Jewelry factories.....	13,979	7,766	6,213	15,083	8,946	6,137	10,834	6,334	4,500
Lead and zinc factories.....	2,014	1,840	174	2,404	2,186	278	1,915	1,652	263
Tinware, enamelware, etc., factories.....	23,290	15,250	8,040	19,356	12,167	7,189	10,011	6,074	3,937
Other metal factories.....	13,847	9,394	4,453	9,437	6,660	2,777	6,143	4,638	1,505
Leather industries	267,518	175,768	91,750	279,231	196,437	82,794	253,809	188,302	65,507
Harness and saddle factories.....	7,164	6,890	274	18,135	17,573	562	22,650	21,958	692
Leather belt, leather goods, etc., factories ¹⁹	16,533	11,080	5,453	17,189	12,809	4,380	11,553	8,473	3,080
Shoe factories.....	209,928	128,377	81,551	200,225	132,813	73,412	181,010	121,744	59,266
Tanneries.....	28,993	25,395	3,598	32,226	28,598	3,628	33,652	31,740	1,906
Trunk, suitcase, and bag factories ¹⁹	4,900	4,026	874	5,456	4,044	812	4,944	4,381	663
Lumber and furniture industries	177,457	157,861	19,596	168,719	150,079	18,640	168,271	154,324	13,947
Furniture factories.....	75,235	66,131	9,104	55,717	48,906	6,811	44,040	40,930	3,704
Piano and organ factories.....	8,177	7,535	642	19,852	16,949	2,903	18,953	17,400	1,553
Saw and planing mills ²⁰	58,986	56,389	2,597	57,320	54,016	3,304	60,090	63,684	2,370
Other woodworking factories.....	35,059	27,806	7,253	35,830	30,208	5,622	38,618	32,304	6,314
Paper, printing, and allied industries	165,911	102,421	63,490	155,524	87,679	67,846	123,090	63,510	59,574
Blank-book, envelope, tag, paper-bag, etc., factories.....	17,127	6,488	10,639	13,694	5,117	8,577	10,032	3,422	6,610
Paper and pulp mills.....	63,629	49,709	13,920	54,060	41,321	13,348	36,383	25,803	10,580
Paper-box factories.....	14,284	5,767	8,517	20,452	7,077	13,375	17,917	4,862	13,055
Printing, publishing, and engraving.....	70,871	40,457	30,414	66,769	34,164	32,545	58,758	29,420	29,329
Textile industries—									
Cotton mills.....	302,501	156,818	145,683	302,454	153,269	149,185	280,149	130,483	140,666
Knitting mills.....	134,006	44,203	89,803	107,604	26,922	80,082	87,866	22,528	65,338
Silk mills.....	125,770	52,080	73,690	115,721	42,953	72,768	79,379	29,019	50,360
Textile dyeing, finishing, and printing mills.....	19,613	13,947	5,666	17,736	12,154	5,582	16,371	11,168	5,203
Woolen and worsted mills.....	101,821	52,761	49,060	126,418	64,703	61,715	105,186	53,130	52,050

For footnotes see pp. 74 and 75.

TABLE I.—Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910—Continued

Occupation	1930			1920			1910		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Manufacturing and mechanical—Continued.									
Operatives—Continued.									
Textile industries—Continued.									
Other textile mills.....	133,660	65,312	68,348	" 122,404	" 54,033	" 68,431	" 120,602	" 48,278	" 72,324
Carpet mills.....	28,609	16,486	12,123	23,387	13,003	10,384	37,347	17,655	19,692
Hemp, jute, and linen mills.....	4,503	2,074	2,429	6,742	2,811	3,931	6,605	2,710	3,895
Lace and embroidery mills.....	11,417	4,221	7,196	19,083	6,080	12,997	16,027	4,336	11,691
Rope and cordage factories.....	5,469	3,067	2,402	8,454	4,714	3,740	6,517	3,022	3,495
Sail, awning, and tent factories.....	4,275	2,566	1,709	3,543	2,838	1,005	3,305	2,324	1,041
Other and not specified textile mills.....	79,387	36,898	42,489	" 61,255	" 24,881	" 36,374	" 60,741	" 18,231	" 32,510
Miscellaneous manufacturing industries.....	536,108	353,744	182,364	" 536,832	" 344,568	" 192,264	" 259,675	" 155,543	" 104,132
Broom and brush factories.....	9,521	7,622	1,899	12,600	10,219	2,387	11,103	9,037	2,126
Button factories.....	7,565	4,496	3,069	12,977	7,768	5,209	11,461	6,682	4,779
Electric light and power plants.....	49,269	49,218	51	15,949	15,610	339	8,880	8,704	176
Electrical machinery and supply factories.....	117,327	72,012	45,315	64,841	37,452	27,389	24,677	13,636	11,041
Rubber factories.....	80,835	59,546	21,289	86,204	67,370	18,834	31,593	21,170	10,423
Straw factories.....	1,818	584	1,234	14,102	7,751	6,351	5,915	1,945	3,970
Turpentine farms and distilleries.....	1,368	1,360	8	1,138	1,130	8	1,449	1,441	8
Other miscellaneous manufacturing industries.....	129,460	83,949	45,511	" 121,968	" 75,772	" 46,196	" 71,050	" 41,244	" 29,806
Other not specified manufacturing industries.....	138,945	74,957	63,988						
Not specified industries and services.....	153,162	123,252	29,900	207,047	121,496	85,551	93,487	51,684	41,803
Laborers (n. o. s.¹⁷):									
Building, general, and not specified laborers.....	1,115,667	1,104,132	11,535	686,722	671,487	15,235	935,781	919,901	15,880
Laborers and helpers, building construction.....	419,802	419,675	127	(1)	(1)	(1)	(1)	(1)	(1)
General and not specified laborers.....	695,865	684,457	11,408	(1)	(1)	(1)	(1)	(1)	(1)
Chemical and allied industries.....	151,918	148,507	3,411	" 134,313	" 130,699	" 3,614	80,931	78,827	2,124
Charcoal and coke works.....	4,783	4,772	11	9,384	9,352	32	11,446	11,431	15
Explosives, ammunition, and fireworks factories.....	5,047	4,447	600	8,467	7,821	646	4,777	3,947	830
Fertilizer factories.....	18,243	18,157	86	12,943	12,808	135	9,847	9,757	90
Gas works.....	28,897	28,884	13	18,845	18,787	58	16,549	16,534	15
Paint and varnish factories.....	6,171	6,017	154	4,841	4,677	164	2,059	2,042	117
Petroleum refineries.....	40,818	40,645	171	31,795	31,566	229	11,215	11,151	64
Rayon factories.....	4,962	4,451	511	(1)	(1)	(1)	(1)	(1)	(1)
Soap factories.....	4,799	4,566	233	4,715	4,346	369	3,433	3,173	260
Other chemical factories.....	33,200	36,568	1,632	43,323	41,342	1,981	21,225	19,992	1,233

Cigar and tobacco factories.....	20,581	14,094	6,487	35,157	21,295	13,602	10,392	11,436	4,956
Clay, glass, and stone industries.....	145,665	142,095	3,570	124,544	120,215	4,329	154,826	152,438	2,388
Brick, tile, and terra-cotta factories.....	59,543	58,792	751	48,036	48,099	537	77,954	77,333	621
Glass factories.....	28,108	26,362	1,746	28,937	26,461	2,476	24,634	23,686	948
Lime, cement, and artificial stone factories.....	38,634	38,475	159	30,051	29,884	167	30,083	35,931	152
Marble and stone yards.....	8,102	8,097	5	5,084	5,061	23	6,915	6,847	68
Potteries.....	11,278	10,369	909	11,836	10,710	1,126	9,240	8,641	599
Clothing industries.....	15,293	8,558	6,735	12,776	6,414	6,362	10,240	5,424	4,816
Corset factories.....	350	133	217	771	104	577	834	286	548
Glove factories.....	1,159	550	609	1,757	899	858	870	440	424
Hat factories (felt).....	1,142	966	176	989	825	164	1,759	1,541	218
Shirt, collar, and cuff factories.....	4,136	2,314	1,822	2,708	1,317	1,391	2,184	821	1,363
Suit, coat, and overall factories.....	3,794	2,456	1,338	3,984	2,219	1,765	2,920	1,651	1,260
Other clothing factories.....	4,712	2,139	2,573	2,567	960	1,607	1,673	679	994
Food and allied industries.....	154,886	136,802	18,084	170,065	153,692	16,373	100,872	93,985	6,887
Bakeries.....	12,362	10,786	1,576	8,315	6,869	1,446	4,510	3,765	755
Butter, cheese, and condensed-milk factories.....	17,433	16,518	915	15,190	14,174	1,016	4,816	4,688	128
Candy factories.....	5,552	4,080	1,472	6,584	4,398	2,186	2,978	1,845	1,133
Fish curing and packing.....	6,172	4,596	1,576	6,300	5,261	1,039	4,870	4,037	833
Flour and grain mills.....	15,997	15,839	158	18,121	17,983	138	9,243	9,152	91
Fruit and vegetable canning, etc.....	19,544	14,967	4,577	13,058	9,743	3,315	4,670	3,683	987
Slaughter and packing houses.....	43,045	39,384	3,661	59,548	55,436	4,112	33,903	32,471	1,432
Sugar factories and refineries.....	9,298	9,038	260	15,733	15,414	319	8,755	8,647	108
Other food factories.....	16,968	13,281	3,687	16,686	14,119	2,567	8,270	6,813	1,457
Liquor and beverage industries.....	8,515	8,293	222	10,530	10,295	235	18,857	18,294	563
Iron and steel, machinery, and vehicle industries.....	662,131	652,027	10,104	729,613	717,022	12,591	482,941	476,801	6,140
Agricultural-implement factories.....	10,873	10,735	138	11,409	11,292	117	11,067	10,953	114
Automobile factories.....	123,717	120,150	3,567	83,341	80,874	2,467	15,783	15,044	739
Automobile repair shops.....	12,653	12,617	36	(14)	(14)	(14)	(14)	(14)	(14)
Blast furnaces and steel-rolling mills ¹⁷	235,726	234,524	1,202	258,830	256,548	2,282	202,392	201,030	1,362
Car and railroad shops.....	37,789	37,542	247	53,643	53,280	363	48,342	48,114	228
Ship and boat building.....	17,352	17,325	27	69,196	68,917	279	11,983	11,975	8
Wagon and carriage factories.....	1,419	1,406	13	9,817	9,594	223	12,391	12,232	159
Other iron and steel and machinery factories ¹⁸	171,814	167,634	4,280	170,607	173,734	16	5,873	138,059	134,295
Not specified metal industries.....	50,788	50,194	594	63,770	62,783	987	42,924	42,558	366
Metal industries (except iron and steel).....	62,396	58,913	3,485	67,887	62,771	5,110	44,773	42,134	2,639
Brass mills.....	14,809	14,411	398	18,485	17,614	871	10,885	10,606	279
Clock and watch factories.....	1,546	1,018	528	3,168	1,929	1,179	1,870	1,262	608
Copper factories.....	8,013	7,950	63	10,063	10,068	55	11,586	11,532	54
Gold and silver factories.....	1,199	1,098	101	2,272	2,061	211	3,277	1,101	176
Jewelry factories.....	307	328	69	1,421	1,255	166	668	528	140
Lead and zinc factories.....	8,116	8,093	23	8,927	8,859	68	7,945	7,871	74
Tinware, enamelware, etc., factories.....	20,181	18,313	1,868	17,605	15,436	2,169	7,587	6,769	878
Other metal factories.....	8,137	7,702	435	5,106	4,709	397	2,946	2,525	421

For footnotes see pp. 74 and 75.

TABLE I.—Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910—Continued

Occupation	1930			1920			1910		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Manufacturing and mechanical—Continued.									
Laborers (n. o. s.)—Continued.									
Leather industries.....	38,601	33,003	5,598	54,639	48,167	6,472	35,266	32,319	2,947
Harness and saddle factories.....	501	469	32	1,885	1,727	158	1,208	1,210	88
Leather belt, leather goods, etc., factories ¹⁴	1,930	1,701	229	3,578	3,274	304	1,908	1,767	151
Shoe factories.....	18,389	13,647	4,742	19,210	14,194	5,016	10,277	7,932	2,325
Tanneries.....	16,809	16,296	513	27,460	26,703	777	20,798	20,491	307
Trunk, suitcase, and bag factories ¹⁴	972	860	82	2,486	2,269	217	985	909	76
Lumber and furniture industries.....	333,539	326,071	7,468	320,613	309,674	10,739	317,244	313,228	4,016
Furniture factories.....	39,802	38,321	1,481	33,272	32,600	2,672	23,618	23,089	529
Piano and organ factories.....	1,664	1,566	98	5,321	4,596	725	4,459	4,090	369
Saw and planing mills ¹⁶	251,741	245,803	2,938	245,683	241,354	4,349	260,142	258,361	1,781
Other woodworking factories.....	40,332	37,381	2,951	34,337	31,344	2,993	29,025	27,670	1,346
Paper, printing, and allied industries.....	69,373	64,173	5,198	67,083	61,073	6,010	39,832	35,967	3,865
Blank book, envelope, tag, paper bag, etc., factories.....	3,926	3,072	854	3,455	2,646	809	1,557	1,096	461
Paper and pulp mills.....	52,038	49,677	2,361	52,263	49,786	2,477	31,358	29,959	1,429
Paper-box factories.....	2,587	1,986	601	3,384	2,401	983	1,403	791	612
Printing, publishing, and engraving.....	10,822	9,440	1,382	7,981	6,240	1,741	5,484	4,121	1,363
Textile industries—									
Cotton mills.....	55,519	46,439	9,080	76,315	59,646	16,669	37,604	32,037	5,567
Knitting mills.....	9,412	5,884	3,528	11,043	6,603	5,340	7,804	4,264	3,540
Silk mills.....	11,078	8,920	2,158	10,080	7,350	2,730	3,798	2,696	1,112
Textile dyeing, finishing, and printing mills.....	7,571	7,257	314	10,605	9,883	720	9,958	9,362	596
Woolen and worsted mills.....	13,753	11,955	1,798	22,227	18,238	3,989	12,290	10,245	2,045
Other textile mills.....	23,199	20,330	2,879	22,140	18,619	3,521	15,492	12,513	2,979
Carpet mills.....	4,828	4,236	592	3,053	3,378	575	3,769	3,437	332
Hemp, jute, and linen mills.....	961	863	98	1,712	1,474	238	2,290	1,774	426
Lace and embroidery mills.....	569	444	125	944	677	267	705	468	237
Rope and cordage factories.....	2,921	2,632	289	4,268	3,605	663	3,797	3,131	666
Sail, awning, and tent factories.....	721	661	60	283	237	46	294	234	30
Other and not specified textile mills.....	13,199	11,484	1,715	10,980	9,048	1,932	4,757	3,469	1,288
Miscellaneous manufacturing industries ¹⁷	322,696	298,609	24,087	390,988	364,244	26,744	211,871	195,891	15,980
Broom and brush factories.....	2,587	2,370	217	2,800	2,407	393	1,565	1,340	225
Button factories.....	1,129	940	189	1,407	1,093	314	1,105	790	315

Electric light and power plants.....	35,665	35,650	15	15,417	15,255					
Electrical machinery and supply factories.....	36,885	33,345	3,540	26,759	23,562	3,227	8,176	8,011	165	
Rubber factories.....	29,123	25,980	3,143	51,467	47,515	3,952	11,434	10,053	1,381	
Straw factories.....	148	136	12	577	513	64	13,546	12,224	1,322	
Turpentine farms and distilleries ⁿ	37,620	37,313	307	25,830	25,395	435	413	319	94	
Other miscellaneous manufacturing industries.....	65,871	61,267	4,604	54,337	57,583	3,246	33,962	33,505	367	
Other not specified manufacturing industries.....	113,668	101,608	12,060	191,364	170,921	20,443	109,433	29,836	2,401	
Transportation and communication.....	3,843,147	3,561,943	281,204	3,096,829	2,872,559	224,270	2,065,269	2,549,922	116,347	
Water transportation (selected occupations):										
Boatmen, canal men, and lock keepers.....	5,643	5,603	40	6,319	6,286	33				
Captains, masters, mates, and pilots.....	24,485	24,482	3	26,320	26,318	2	5,304	5,289	15	
Longshoremen and stevedores.....	73,954	73,944	10	85,928	85,005	323	24,242	24,242		
Sailors and deck hands.....	64,700	64,692	8	54,832	54,800	32	62,857	62,813	44	
Road and street transportation (selected occupations):										
Bus conductors.....	1,002	1,002		(ⁿ)	(ⁿ)		(ⁿ)	(ⁿ)		
Chauffeurs and truck and tractor drivers ⁿ	972,418	970,916	1,502	285,045	284,096	949	45,785	45,752	33	
Draymen, teamsters, and carriage drivers ⁿ ⁿ	111,224	111,178	46	420,189	419,450	739	443,845	443,735	110	
Garage owners, managers, and officials:										
Garage owners and proprietors.....	69,965	69,543	422	42,151	41,944	207	5,279	5,256	23	
Garage managers and officials.....	50,718	50,383	335	(ⁿ)	(ⁿ)		(ⁿ)	(ⁿ)		
Garage laborers.....	19,247	19,160	87	(ⁿ)	(ⁿ)		(ⁿ)	(ⁿ)		
Hostlers and stable hands.....	66,693	66,536	157	31,450	31,339	111	4,468	4,462	6	
Laborers, truck, transfer, and cab companies.....	6,654	6,654		18,976	18,973	3	63,388	63,382	6	
Laborers, road and street.....	40,970	40,920	50	(ⁿ)	(ⁿ)		(ⁿ)	(ⁿ)		
Road, street, etc., building and repairing.....	307,027	306,980	47	127,032	126,865	167	190,414	190,414		
Street cleaning.....	290,354	290,308	46	115,836	115,673	163	180,468	180,468		
Owners and managers, truck, transfer, and cab companies.....	16,673	16,672	1	11,196	11,192	4	9,946	9,940		
Owners and proprietors.....	41,084	40,508	576	23,497	23,231	266	15,598	15,368	230	
Managers and officials.....	30,752	30,326	426	(ⁿ)	(ⁿ)		(ⁿ)	(ⁿ)		
Railroad transportation (selected occupations):										
Baggagemen and freight agents.....	10,332	10,182	160	(ⁿ)	(ⁿ)		(ⁿ)	(ⁿ)		
Baggagemen.....	16,377	16,361	16	16,819	16,780	30	17,033	17,028		
Freight agents.....	9,214	9,214		11,878	11,875	3	12,273	12,273	5	
Boiler washers and engine hostlers.....	7,163	7,147	16	4,941	4,914	27	4,700	4,755	5	
Brakemen, steam railroad.....	18,300	18,300		25,305	25,271	34	10,469	10,469		
Conductors, steam railroad.....	88,197	88,197		114,107	114,107		92,572	92,572		
Conductors, street railroad.....	73,332	73,332		74,539	74,539		65,604	65,604		
Foremen and overseers.....	35,697	35,680	17	63,760	63,507	253	50,932	50,932		
Steam railroad.....	79,737	79,682	55	79,294	79,216	78	69,933	69,933	240	
Street railroad.....	73,910	73,860	50	73,046	72,980	66	65,260	65,038	222	
	5,827	5,822	5	6,248	6,236	12	4,673	4,655	18	

For footnotes see pp. 74 and 75.

TABLE I.—Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910—Continued

Occupation	1930			1920			1910		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Transportation and communication—Continued.									
Railroad transportation (selected occupations)—Continued.									
Laborers (includes construction laborers).....	462,474	459,000	3,384	495,713	488,659	7,054	570,975	567,522	3,453
Steam railroad.....	435,058	431,947	3,111	470,199	463,013	6,586	543,168	539,920	3,248
Street railroad.....	27,416	27,143	273	25,514	25,046	468	27,807	27,602	205
Locomotive engineers ²²	101,201	101,201	.....	100,899	100,899	.....	90,229	90,229	.....
Locomotive firemen ²³	67,996	67,996	.....	91,345	91,345	.....	76,381	76,381	.....
Motormen.....	60,723	60,718	5	66,819	66,409	20	58,705	58,705	.....
Steam railroad.....	2,754	2,754	.....	3,500	3,500	.....	2,487	2,487	.....
Street railroad.....	57,969	57,964	5	62,959	62,939	20	56,218	56,218	.....
Officials and superintendents.....	37,689	37,963	26	35,891	35,830	51	22,238	22,236	2
Steam railroad.....	34,380	34,359	21	32,426	32,385	41	19,805	19,801	4
Street railroad.....	3,609	3,604	5	3,465	3,445	10	2,433	2,433	.....
Switchmen, flagmen, and yardmen.....	102,773	102,484	289	111,565	111,000	565	85,147	85,005	142
Switchmen and flagmen, steam railroad.....	92,217	91,928	289	101,917	101,359	558	73,419	73,367	52
Switchmen and flagmen, street railroad.....	2,608	2,608	.....	2,500	2,496	4	2,153	2,153	.....
Yardmen, steam railroad.....	7,948	7,948	.....	7,148	7,145	3	9,575	9,575	.....
Ticket and station agents.....	27,160	25,370	1,790	26,585	24,324	2,261	24,138	22,930	1,208
Express, post, radio, telegraph, and telephone (selected occupations):									
Agents, express companies.....	4,176	4,102	74	5,293	5,193	100	5,875	5,804	71
Express messengers and railway mail clerks.....	25,608	25,600	8	25,005	24,996	9	22,021	22,016	5
Express messengers.....	8,211	8,207	4	9,138	9,129	9	6,781	6,778	3
Railway mail clerks.....	17,397	17,393	4	15,867	15,867	.....	15,240	15,240	.....
Mail carriers.....	121,333	120,204	1,129	91,451	90,131	1,320	80,678	79,667	1,011
Postmasters ²⁴	34,421	20,818	13,603	31,635	20,727	11,208	27,849	19,127	8,722
Radio operators.....	4,955	4,909	46	(²⁵)	(²⁶)	(²⁷)	(²⁸)	(²⁹)	(³⁰)
Telegraph and telephone linemen.....	71,625	71,624	1	37,917	37,905	12	28,350	28,347	3
Telegraph messengers.....	18,176	18,997	179	9,403	8,909	434	9,152	9,074	78
Telegraph operators.....	67,821	51,669	16,122	79,434	62,574	16,890	69,953	61,734	8,219
Telephone operators.....	248,884	13,625	235,259	100,160	11,781	178,379	97,863	9,631	88,232

Other transportation and communication pursuits:

Apprentices.....	6,151	6,097	64	(*)	(*)	(*)	(*)	(*)	(*)
Steam railroad.....	1,323	1,323		(*)	(*)	(*)	(*)	(*)	(*)
Telegraph and telephone.....	502	451	51	(*)	(*)	(*)	(*)	(*)	(*)
Other transportation and communication.....	4,326	4,323	3	(*)	(*)	(*)	(*)	(*)	(*)
Aviators.....	6,097	6,031	66	* 1,312	* 1,304	# 8	(*)	(*)	(*)
Foremen and overseers (n. o. s. ¹³).....	52,135	52,061	74	29,863	29,824	39	21,344	20,939	405
Air transportation.....	181	181		(*)	(*)	(*)	(*)	(*)	(*)
Garages, greasing stations, and automobile laundries.....	6,652	6,650	2	(*)	(*)	(*)	(*)	(*)	(*)
Road, street, etc., building and repairing.....	23,250	23,249	1	9,558	9,557	1	7,064	7,064	
Telegraph and telephone.....	11,172	11,112	60	6,822	6,797	25	3,843	3,439	404
Other transportation and communication.....	10,860	10,869	11	* 13,483	* 13,470	# 13	# 10,437	# 10,436	# 1
Inspectors.....	52,120	50,965	1,155	50,233	49,848	385	33,237	32,962	275
Steam railroad.....	39,079	39,069	13	42,721	42,676	46	27,661	27,525	136
Street railroad.....	3,330	3,325	5	3,451	3,445	6	2,268	2,265	3
Telegraph and telephone.....	4,173	3,040	1,133	2,821	2,491	330	2,610	2,485	134
Other transportation and communication.....	5,538	5,534	4	1,240	1,237	3	689	687	2
Laborers (n. o. s. ¹³).....	51,063	50,998	65	33,432	33,229	203	26,555	26,300	255
Air transportation.....	1,609	1,602	7	(*)	(*)	(*)	(*)	(*)	(*)
Express companies.....	7,088	7,085	3	9,089	9,067	22	3,010	2,970	31
Pipe lines.....	13,704	13,700	4	7,309	7,362	7	2,605	2,605	
Telegraph and telephone.....	12,674	12,647	27	5,088	5,011	77	5,312	5,251	61
Water transportation ¹⁴	11,329	11,327	2	5,966	5,963	3	14,267	14,177	90
Other transportation and communication.....	4,661	4,637	24	5,920	5,826	94	1,361	1,288	73
Proprietors, managers, and officials (n. o. s. ¹³).....	37,990	34,987	3,003	30,197	29,552	645	49,634	48,023	1,611
Air transportation.....	1,090	1,085	5	(*)	(*)	(*)	(*)	(*)	(*)
Telegraph and telephone.....	18,957	16,984	2,873	11,603	11,059	544	10,089	8,680	1,400
Other transportation and communication.....	17,943	17,818	125	18,594	18,493	101	39,546	39,343	202
Other occupations.....	85,717	83,794	1,923	48,124	46,634	1,490	38,742	37,749	993
Road, street, etc., building and repairing.....	8,565	8,524	41	4,435	4,331	104	5,076	4,726	350
Steam railroad.....	42,619	42,011	608	28,621	27,916	705	24,424	24,125	299
Street railroad.....	13,375	13,242	133	9,259	9,088	171	5,187	5,147	40
Other transportation and communication.....	21,158	20,017	1,141	5,809	5,299	510	4,055	3,751	304
Trade.....	6,061,467	5,118,787	902,680	4,257,684	3,585,701	671,983	3,033,265	3,160,562	472,703
Advertising agents.....	49,020	43,364	5,656	(*)	(*)	(*)	(*)	(*)	(*)
Apprentices, wholesale and retail trade.....	2,444	2,337	107	(*)	(*)	(*)	(*)	(*)	(*)
Bankers, brokers, and money lenders.....	221,504	212,312	9,192	161,613	156,309	5,304	105,804	103,170	2,634
Bankers and bank officials.....	93,356	87,429	5,927	82,375	78,149	4,226	56,059	54,387	1,672
Commercial brokers and commission men.....	23,638	23,352	286	27,552	27,358	194	24,009	23,690	319
Loan brokers and pawnbrokers.....	13,562	12,930	632	5,473	5,321	152	3,343	3,180	163
Stockbrokers.....	70,950	69,157	1,793	29,009	29,233	376	13,729	13,522	207
Brokers not specified and promoters.....	19,998	19,444	554	10,604	10,248	356	8,664	8,361	273

For footnotes see pp. 74 and 75.

Retail dealers *	1,703,522	1,593,356	110,166	1,328,275	1,249,295	78,080	1,105,029	1,127,026	67,103
Automobiles and accessories.....	61,507	60,991	516	28,768	28,620	142	4,597	4,545	52
Books, music, news, and stationery.....	36,503	32,909	3,594	25,369	23,028	2,341	21,238	19,429	1,809
Buyers and shippers of livestock and other farm products.....	41,784	41,684	100	48,309	48,228	81	50,915	50,696	219
Candy and confectionery.....	62,210	51,766	10,444	40,091	32,368	7,723	29,538	21,601	7,937
Cigars and tobacco.....	19,952	19,044	908	19,141	18,031	1,110	17,728	16,375	1,353
Coal and wood.....	29,876	29,225	651	26,550	26,057	499	24,466	23,042	1,424
Department stores.....	19,361	17,751	1,610	11,752	10,800	952	8,970	8,564	406
Dry goods, clothing, and boots and shoes.....	148,837	129,456	19,351	133,106	121,379	11,727	119,902	110,020	9,882
Drugs and medicines (including druggists and pharmacists).....	104,727	100,123	4,604	80,157	78,095	3,162	67,575	65,414	2,161
Five and ten cent and variety stores.....	10,464	9,035	1,429	5,968	4,899	1,069	4,331	3,294	1,037
Flour and feed.....	9,887	9,781	106	9,309	9,212	97	9,469	9,363	106
Food (except groceries and hucksters' goods).....	239,436	233,166	6,270	202,444	196,838	5,606	195,703	190,619	5,144
Furniture, carpets, and rugs.....	35,884	34,019	1,865	27,145	26,453	692	23,447	22,891	556
Gasoline and oil filling stations.....	89,190	87,095	2,095	(*)	(*)	(*)	(*)	(*)	(*)
General stores.....	81,167	76,011	5,176	80,026	76,317	3,709	88,059	84,734	3,325
Groceries.....	313,088	284,011	29,075	239,236	216,050	23,177	195,432	176,943	18,439
Hardware, implements, and wagons.....	52,138	51,216	922	48,933	48,213	720	48,181	47,390	791
Hucksters and peddlers.....	66,610	54,820	1,790	50,402	48,493	1,909	80,415	76,630	3,785
Ice.....	19,648	19,572	76	8,203	8,166	37	7,361	7,220	141
Jewelry.....	23,864	22,976	888	21,433	20,652	781	20,062	20,403	659
Junk and rags.....	27,478	27,166	312	24,773	24,581	192	17,194	16,884	310
Lumber.....	24,070	33,903	167	27,687	27,569	118	27,250	26,997	253
Opticians.....	14,385	13,769	616	12,632	11,743	889	6,284	5,954	330
Other specified dealers.....	113,061	101,377	11,684	11,107	11,065	44	6,222	6,022	200
Not specified dealers.....	58,377	52,460	5,917	65,728	59,483	6,245	71,331	67,565	3,766
Salesmen and saleswomen.....	2,069,003	1,508,283	560,720	1,192,199	826,860	365,333	939,725	677,390	262,335
Auctioneers.....	4,291	4,277	4	5,048	5,045	3	3,090	3,085	5
Canvassers *.....	63,769	51,956	11,813	14,705	10,514	4,191	18,595	13,080	4,615
Demonstrators.....	7,533	1,793	5,740	4,823	1,039	3,184	4,380	1,250	3,130
Sales agents.....	5,088	4,571	517	41,841	40,207	1,634	35,522	31,424	4,098
Salesmen and saleswomen.....	1,988,332	1,445,686	542,640	1,125,782	769,461	350,321	877,238	628,751	250,487
Undertakers.....	34,132	32,192	1,940	24,469	23,342	1,127	20,734	19,921	813
Wholesale dealers, importers, and exporters.....	83,525	81,837	1,688	73,574	72,780	794	51,018	50,123	925
Other pursuits in trade.....	125,175	96,069	29,106	67,611	52,106	15,505	41,640	34,068	7,672
Advertising agencies.....	5,853	5,453	400	(*)	(*)	(*)	(*)	(*)	(*)
Grain elevators.....	1,611	1,202	409	(*)	(*)	(*)	(*)	(*)	(*)
Stockyards.....	482	477	5	(*)	(*)	(*)	(*)	(*)	(*)
Warehouses and cold-storage plants.....	5,248	3,520	1,728	(*)	(*)	(*)	(*)	(*)	(*)
Wholesale trade, and retail trade (except automobile):									
Fruit and vegetable graders and packers.....	9,926	3,784	6,142	8,074	4,998	3,080	4,715	2,677	2,038
Meat cutters.....	45,168	45,025	83	22,884	22,804	80	16,405	15,378	27
Other occupations.....	52,367	32,870	19,497	842	36,653	24,314	12,339	10,013	5,607
Other trade industries.....	4,580	3,738							

For footnotes see pp. 74 and 76.

TABLE I.—Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910—Continued

Occupation	1930			1920			1910		
	Total	Male	Female	Total	Male	Female	Total	Male*	Female
Public service (not elsewhere classified).....	858,205	838,622	17,583	738,525	727,939	10,586	431,442	426,606	4,836
Firemen, fire department.....	73,008	73,008	.....	50,771	50,771	.....	35,006	35,006	.....
Guards, watchmen, and doorkeepers.....	148,115	147,115	1,000	115,553	115,154	399	78,271	78,168	103
Laborers, public service.....	157,010	155,903	1,107	106,915	105,385	1,530	67,234	66,505	729
Garbage men and scavengers.....	9,163	9,150	13	8,481	8,475	6	4,227	4,227	.....
Other laborers.....	147,847	146,753	1,094	101,434	99,910	1,524	63,007	62,278	729
Marshals, sheriffs, detectives, etc.....	41,823	39,247	2,576	32,214	30,968	1,246	23,599	23,219	380
Detectives.....	12,865	12,180	685	11,955	11,562	393	6,349	6,162	187
Marshals and constables.....	9,350	9,288	62	6,807	6,800	7	9,073	9,073	.....
Probation and truant officers.....	4,270	2,715	1,555	2,679	1,806	873	1,043	855	188
Sheriffs.....	15,338	15,064	274	10,683	10,627	56	7,134	7,131	3
Officials and inspectors (city and county).....	78,395	69,431	8,964	55,597	50,748	4,849	52,254	40,668	2,586
Officials and inspectors (city).....	48,309	45,200	3,109	33,505	31,018	1,587	33,210	32,199	1,011
Officials and inspectors (county).....	30,086	24,231	5,855	22,092	18,830	3,262	19,044	17,460	1,575
Officials and inspectors (State and United States) ^a	51,700	49,881	1,819	48,399	47,217	1,182	25,077	24,292	815
Officials and inspectors (State).....	15,236	14,256	980	9,126	8,596	530	7,202	6,662	540
Officials and inspectors (United States).....	36,464	35,625	839	39,273	38,621	652	17,875	17,630	245
Policemen.....	131,687	130,838	849	82,120	81,884	236	61,960	61,960	.....
Soldiers, sailors, and marines ^b	132,830	132,830	.....	225,503	225,503	.....	77,153	77,153	.....
Other public service pursuits.....	41,637	40,309	1,268	21,453	20,309	1,144	10,268	10,045	223
Professional service.....	3,253,884	1,727,650	1,526,234	2,171,251	1,154,221	1,017,030	1,711,275	976,523	734,752
Actors and showmen.....	75,296	54,511	20,785	48,172	33,818	14,354	48,393	35,293	13,100
Actors.....	37,993	18,703	19,290	28,361	15,124	13,237	28,297	16,305	11,992
Showmen.....	37,303	35,808	1,495	19,811	18,694	1,117	20,096	18,988	1,108
Architects.....	22,000	21,621	379	18,185	18,048	137	16,613	16,311	302
Artists, sculptors, and teachers of art.....	57,265	35,621	21,644	35,402	20,785	14,617	34,104	18,675	15,429
Authors, editors, and reporters.....	64,293	46,922	17,371	40,865	32,129	8,736	38,750	32,511	6,239
Authors.....	12,449	7,002	5,447	6,664	3,662	3,002	4,368	2,310	2,058
Editors and reporters.....	51,844	39,920	11,924	34,197	28,467	5,730	34,382	30,201	4,181
Chemists, assayers, and metallurgists.....	47,068	45,163	1,905	32,941	31,227	1,714	16,273	15,604	670
Clergymen.....	148,848	145,572	3,276	127,270	125,483	1,787	118,018	117,333	685
College presidents and professors ^c	61,905	41,774	20,131	33,407	23,332	10,075	15,668	12,719	2,958
Dentists.....	71,055	69,768	1,287	66,162	64,323	1,839	39,997	38,743	1,254

Designers, draftsmen, and inventors.....	102,730	93,518	9,212	70,651	62,967	7,664	47,440	44,437	3,012
Designers.....	20,506	12,780	7,728	15,410	9,758	5,652	11,788	9,211	2,577
Draftsmen.....	79,922	78,459	1,463	52,865	50,880	1,985	33,314	32,023	301
Inventors.....	2,300	2,279	21	2,376	2,349	27	2,347	2,303	44
Lawyers, judges, and justices.....	160,605	157,220	3,385	122,519	120,781	1,738	114,704	114,146	558
Musicians and teachers of music.....	165,128	85,517	79,611	130,265	57,687	72,678	139,310	54,882	84,478
Osteopaths.....	6,117	4,554	1,563	5,030	3,367	1,663	(1)	(1)	(1)
Photographers.....	39,529	31,163	8,366	34,259	27,140	7,119	31,775	20,811	4,964
Physicians and surgeons ^a	153,803	146,978	6,825	144,977	137,758	7,219	151,132	142,117	9,015
Teachers.....	1,062,615	202,337	860,278	761,766	122,525	639,241	569,237	121,210	478,027
Teachers (athletics, dancing, etc.).....	18,599	12,288	6,311	9,711	5,677	4,034	3,031	2,768	1,163
Teachers (school).....	1,044,016	190,049	853,967	752,055	116,848	635,207	565,306	118,442	476,864
Technical engineers.....	226,249	226,130	118	130,121	130,060	41	68,755	68,744	11
Civil engineers and surveyors.....	102,086	102,057	29	64,060	64,642	18	52,033	52,025	8
Electrical engineers.....	57,837	57,776	62	27,077	27,065	12	15,278	15,272	6
Mechanical engineers ^a	54,356	54,338	18	37,689	37,678	11	14,514	14,514	
Mining engineers ^a	11,970	11,966	4	6,695	6,695		6,930	6,930	
Trained nurses.....	294,189	5,452	288,737	149,128	5,464	143,664	82,327	5,810	76,508
Veterinary surgeons.....	11,863	11,863	11	13,494	13,493	1	11,652	11,652	
Other professional pursuits ^a	114,393	43,847	70,546	(1)	(1)	(1)	(1)	(1)	(1)
County agents, farm demonstrators, etc.....	5,597	4,500	1,097	(1)	(1)	(1)	(1)	(1)	(1)
Librarians.....	29,613	2,557	27,056	15,297	1,795	13,502	7,423	1,594	5,820
Social and welfare workers.....	31,241	6,649	24,592	(1)	(1)	(1)	(1)	(1)	(1)
Other occupations.....	47,942	30,141	17,801	18,409	12,640	5,763	8,254	5,991	2,263
Semiprofessional and recreational pursuits.....	198,549	143,365	55,184	(1)	(1)	(1)	(1)	(1)	(1)
Abstracters, notaries, and justices of peace.....	11,756	9,848	1,908	10,071	8,588	1,483	7,445	6,660	785
Architects', designers', and draftsmen's apprentices ^a	2,656	2,436	220	3,777	3,479	298	1,163	1,110	43
Apprentices to other professional persons.....	3,935	3,861	74	(1)	(1)	(1)	(1)	(1)	(1)
Billiard room, dance hall, skating rink, etc., keepers ^a	29,129	28,819	310	24,897	24,655	242	16,701	15,943	758
Chiropractors.....	11,916	9,203	2,713	(1)	(1)	(1)	(1)	(1)	(1)
Directors, managers, and officials, motion-picture production.....	1,923	1,888	35	(1)	(1)	(1)	(1)	(1)	(1)
Healers (not elsewhere classified).....	17,640	7,866	9,774	17,774	8,872	7,902	6,834	2,162	4,672
Keepers of charitable and penal institutions.....	15,020	9,468	5,552	12,884	7,953	4,931	7,491	5,246	2,245
Keepers of pleasure resorts, race tracks, etc.....	10,718	9,741	977	3,360	3,163	197	2,920	2,700	223
Officials of lodges, societies, etc.....	14,515	11,513	3,002	11,736	9,674	2,162	8,215	6,245	1,970
Radio announcers, directors, managers, and officials.....	1,819	1,839	180	(1)	(1)	(1)	(1)	(1)	(1)
Religious workers.....	31,290	11,539	19,951	41,078	14,151	26,927	15,070	7,081	8,889
Technicians and laboratory assistants.....	15,988	8,288	7,700	(1)	(1)	(1)	(1)	(1)	(1)
Theatrical owners, managers, and officials.....	19,723	18,691	1,032	18,395	17,138	1,257	11,322	11,027	295
Other occupations.....	10,521	8,765	1,756	4,257	3,187	1,070	4,720	3,405	1,315
Attendants and helpers, professional service.....	170,384	114,759	55,625	(1)	(1)	(1)	(1)	(1)	(1)
Attendants, pool rooms, bowling alleys, golf clubs, etc.....	16,168	16,047	121	(1)	(1)	(1)	(1)	(1)	(1)
Dentists' assistants and attendants.....	13,715	770	12,945	6,708	1,708	4,040	2,048	544	1,504
Helpers, motion-picture production.....	2,213	1,234	979	(1)	(1)	(1)	(1)	(1)	(1)

For footnotes see pp. 74 and 75.

TABLE I.—Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910—Continued

Occupation	1930			1920			1910		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Professional service—Continued.									
Attendants and helpers, professional service—Continued.									
Laborers, professional service.....	25,383	23,762	1,621	(*)	(*)	(*)	(*)	(*)	(*)
Laborers, recreation and amusement.....	29,893	29,458	435	(*)	(*)	(*)	(*)	(*)	(*)
Librarians' assistants and attendants.....	1,865	502	1,363	2,279	1,067	1,212	3,209	507	2,702
Physicians' and surgeons' attendants.....	14,042	689	13,353	7,051	641	6,410	4,140	689	3,451
Stage hands and circus helpers.....	4,274	4,099	175	5,803	5,377	426	6,836	6,444	392
Theater ushers.....	12,461	9,308	3,153	5,221	2,868	2,353	2,278	2,131	147
Other attendants and helpers.....	50,370	28,890	21,480	4,650	2,972	1,678	(*)	(*)	(*)
Domestic and personal service *.....	4,952,451	1,772,200	3,180,251	3,379,995	1,193,313	2,186,682	3,755,708	1,225,395	2,530,403
Barbers, hairdressers, and manicurists.....	374,290	261,096	113,194	216,211	182,065	33,246	193,275	172,977	22,298
Boarding and lodging house keepers.....	144,371	17,093	127,278	133,392	18,662	114,740	163,452	23,052	142,400
Bootblacks.....	18,784	18,747	37	15,175	15,142	33	14,020	14,000	20
Charwomen and cleaners.....	61,932	20,943	40,989	36,803	11,848	24,955	34,034	7,195	26,839
Cleaning, dyeing, and pressing shop workers.....	68,118	66,515	21,603	21,667	17,094	4,573	14,860	12,215	2,645
Owners and proprietors.....	16,275	15,207	1,068	(*)	(*)	(*)	(*)	(*)	(*)
Managers and officials.....	5,841	4,615	1,226	(*)	(*)	(*)	(*)	(*)	(*)
Foremen and overseers.....	819	470	349	(*)	(*)	(*)	(*)	(*)	(*)
Laborers.....	4,549	3,910	639	(*)	(*)	(*)	(*)	(*)	(*)
Other operatives.....	60,634	42,313	18,321	(*)	(*)	(*)	(*)	(*)	(*)
Elevator tenders.....	67,614	55,255	12,359	40,713	33,376	7,337	25,035	25,010	25
Hotel keepers and managers.....	56,848	39,538	17,310	55,883	41,449	14,434	64,504	50,209	14,235
Housekeepers and stewards.....	256,746	20,383	236,363	221,612	17,262	204,350	189,273	15,940	173,333
Hotels, restaurants, boarding houses, etc.....	30,620	8,498	22,122	(*)	(*)	(*)	(*)	(*)	(*)
Other housekeepers and stewards.....	226,120	11,885	214,235	(*)	(*)	(*)	(*)	(*)	(*)
Janitors and sextons.....	309,625	273,805	35,820	178,628	149,500	29,098	113,081	91,629	21,452
Laborers, domestic and personal service.....	71,687	67,337	4,350	32,893	31,224	1,669	53,480	50,295	3,215
Launderers and laundresses (not in laundry).....	361,033	4,565	356,468	396,756	10,882	385,874	533,697	13,063	520,004
Laundry owners, managers, and officials *.....	24,545	22,482	2,063	13,692	12,239	1,453	18,043	17,057	986
Owners and proprietors.....	15,440	14,474	966	9,027	8,158	869	15,441	14,645	745
Managers and officials.....	9,105	8,008	1,097	4,665	4,081	584	2,602	2,362	240
Laundry operatives *.....	240,704	80,229	160,475	120,715	39,968	80,747	112,204	35,909	76,365
Delivery men *.....	20,573	20,558	15	(*)	(*)	(*)	(*)	(*)	(*)
Foremen and overseers.....	6,337	3,583	2,754	3,611	2,076	1,535	3,071	1,674	1,397
Laborers.....	19,293	11,001	8,292	13,107	6,570	6,537	8,786	5,432	3,354
Other operatives.....	194,501	45,067	149,414	103,997	31,322	72,675	100,407	28,803	71,604

Midwives and nurses (not trained).....	157,009	13,867	143,142	156,769	19,338	137,431	133,043	15,926	117,117
Midwives.....	3,566		3,566	4,773		4,773	6,205		6,205
Nurses (not trained).....	153,443	13,867	139,576	151,996	19,338	132,658	126,838	15,926	110,912
Porters (except in stores).....	127,488	127,436	52	88,168	87,683	485	84,128	84,055	73
Domestic and personal service.....	57,612	57,599	13	43,206	42,929	279	54,612	54,560	52
Professional service.....	7,766	7,750	16						
Steam railroad.....	27,848	27,647	1	22,513	22,486	27	17,298	17,297	1
Other porters (except in stores).....	34,462	34,440	22	22,447	22,268	179	12,218	12,198	20
Restaurant, café, and lunch-room keepers.....	165,406	125,398	40,008	87,987	72,343	15,644	60,832	50,316	10,516
Servants: *.....									
Cooks.....	565,392	194,297	371,095	398,475	129,857	268,618	450,440	117,004	333,430
Hotels, restaurants, boarding houses, etc.....	243,670	149,418	94,252	(*)	(*)	(*)	(*)	(*)	(*)
Other cooks.....	321,722	44,879	276,843	(*)	(*)	(*)	(*)	(*)	(*)
Other servants.....	1,433,741	169,877	1,263,864	** 872,471	** 128,956	** 743,515	** 1,121,785	** 145,672	** 976,113
Hotels, restaurants, boarding houses, etc.....	193,655	84,531	109,124	(*)	(*)	(*)	(*)	(*)	(*)
Other domestic and personal service.....	1,240,086	85,346	1,154,740	(*)	(*)	(*)	(*)	(*)	(*)
Waiters.....	393,288	161,315	231,973	228,985	112,064	116,921	188,293	102,405	85,798
Other pursuits.....	33,830	32,022	1,808	63,300	61,381	1,919	184,259	180,716	8,543
Cemetery keepers.....	9,762	9,705	57	5,540	5,496	44	4,842	4,811	31
Hunters, trappers, and guides.....	6,219	6,132	87	7,332	7,288	44	3,887	3,840	47
Other occupations.....	17,849	16,185	1,664	50,428	48,597	1,831	175,530	172,005	3,465
Clerical occupations.....	4,025,324	2,038,494	1,986,830	** 3,111,836	** 1,689,911	** 1,421,925	** 1,718,458	** 1,129,840	** 588,009
Agents, collectors, and credit men.....	196,107	182,630	13,477	** 161,067	** 149,427	** 11,640	** 86,532	** 82,345	** 4,187
Agents (not elsewhere classified).....	101,551	94,948	6,603	** 130,338	** 121,428	** 8,910	** 50,785	** 48,405	** 2,290
Collectors.....	43,331	40,395	2,936	30,729	27,999	2,730	35,747	33,850	1,897
Credit men.....	22,490	20,596	1,894	(?)	(?)	(?)	(?)	(?)	(?)
Purchasing agents (except for railroads).....	28,785	26,691	2,044	(?)	(?)	(?)	(?)	(?)	(?)
Bookkeepers, cashiers, and accountants.....	930,648	447,037	482,711	734,688	375,564	359,124	486,700	290,545	187,155
Accountants and auditors.....	191,571	174,567	17,014	118,451	105,073	13,378	39,239	35,053	3,586
Bookkeepers and cashiers.....	739,077	273,380	465,697	616,237	270,491	345,746	447,461	263,892	183,569
Clerks (except "clerks" in stores).....	1,997,000	1,290,447	706,553	1,487,905	1,015,742	472,163	720,498	597,633	122,665
Office-appliance operators.....	38,098	5,380	32,718	(?)	(?)	(?)	(?)	(?)	(?)
Shipping clerks.....	148,678	144,422	4,256	123,684	118,944	4,740	80,353	78,192	2,161
Weighers.....	14,307	12,872	1,435	10,229	11,730	1,499	11,564	10,984	680
Other clerks.....	1,795,917	1,127,773	668,144	** 1,347,992	** 882,068	** 465,924	** 628,581	** 508,057	** 119,924
Messenger, errand, and office boys and girls **.....	90,379	81,430	8,949	113,022	98,768	14,254	108,035	96,748	11,287
Stenographers and typists.....	811,190	36,050	775,140	615,154	50,410	564,744	316,693	53,378	263,315

For footnotes see pp. 74 and 75.

TABLE I.—*Gainful workers 10 years old and over, by occupation and sex, for the United States: 1930, 1920, and 1910—Footnotes*

- ¹ Because of changes made in 1930 in the classification of agricultural pursuits, it is impossible to group the 1920 and the 1910 occupations exactly according to the 1930 classification. It is believed, however, that the effect of the difference in grouping on the comparability of the figures here presented is negligible. In addition to the changes referred to, proprietors, foremen, and laborers on turpentine farms, classified in "Agriculture, forestry, etc.," in 1920 and in 1910, were transferred to "Manufacturing and mechanical industries" in 1930.
- ² Since, in 1920 and in 1910, only farm laborers on general farms were distinguished as working on the "home farm" or "working out," farm laborers on dairy farms, stock farms, truck farms, poultry farms, etc., who were, in fact, working on the "home farm" as "unpaid family workers" were not included in the group "Farm laborers (home farm)." Hence, as here compiled for 1920 and for 1910, the number of farm laborers classified as "Wage workers" probably is somewhat too large, and the number classified as "Unpaid family workers" probably is somewhat too small.
- ³ Totals include occupation figures (for 1920: Total, 261,741; male, 261,690; female, 51; for 1910: Total, 98,322; male, 95,750; female, 2,572) omitted in detail because not comparable with 1930 figures.
- ⁴ Comparable figures for 1910 not available.
- ⁵ Figures for 1910 approximate only.
- ⁶ Many of the machinists' apprentices probably are machine tenders.
- ⁷ Includes, for 1920, the following groups, otherwise classified in 1930: "Apprentices, steam railroad"; "Apprentices, telegraph and telephone"; "Apprentices, other transportation and communication"; "Apprentices, wholesale and retail trade"; "Apprentices to other professional persons." (The group "Architects, designers, and draftsmen's apprentices," classified in "Manufacturing and mechanical industries" in 1920 and in 1910, was transferred to "Professional service" in 1930.)
- ⁸ The 1910 figures include cement finishers; these numbered 7,621 in 1920.
- ⁹ Figures for 1910 estimated.
- ¹⁰ In 1910 most of the "Cranemen, derrickmen, hoistmen, etc.," were classified with the semiskilled operatives of the respective industries.
- ¹¹ Proprietors, managers, and foremen on turpentine farms, classified as proprietors, managers, and foremen, respectively, in "Manufacturing and mechanical industries" in 1930, were classified in "Agriculture, forestry, etc.," in 1920 and in 1910.
- ¹² Not otherwise specified.
- ¹³ Comparable figures for 1920 and 1910 not available.
- ¹⁴ Cement finishers were included with "Brick and stone masons" in 1910.
- ¹⁵ The few operatives in rayon factories in 1920 were classified with operatives in "Not specified textile mills." None were returned in 1910.
- ¹⁶ In 1920 and in 1910 automobile repair shops were included in the group "Other iron and steel factories."
- ¹⁷ Includes tin-plate mills.
- ¹⁸ Includes iron foundries.
- ¹⁹ Operatives in leather bag factories, included in the group "Leather belt, leather case, etc., factories" in 1920 and in 1910, were transferred to the group "Trunk, suitcase, and bag factories" in 1930.
- ²⁰ Includes box factories (wood).
- ²¹ Includes the few operatives reported in rayon factories in 1920. None were returned in 1910. See, also, footnote 22.
- ²² Operatives in bedding and quilt factories, hat and cap materials factories, and millinery factories, all included in the group "Other miscellaneous industries" in 1920 and in 1910, and operatives in white-goods factories, included in the group "Other clothing factories" in 1920 and in 1910, were classified in the group "Other and not specified textile mills" in 1930. "Helpers, in motion-picture production," included in the group "Semiskilled operatives, other miscellaneous industries" in "Manufacturing and mechanical industries" in 1920 and in 1910, were transferred to "Professional service" in 1930.
- ²³ The few laborers in rayon factories in 1920 were classified with laborers in "Not specified textile mills." None were reported in 1910.
- ²⁴ Laborers in leather bag factories, included in the group "Leather belt, leather case, etc., factories" in 1920 and in 1910, were transferred to the group "Trunk, suitcase, and bag factories" in 1930.
- ²⁵ Includes the few laborers reported in rayon factories in 1920. See, also, footnote 24.
- ²⁶ Laborers in bedding and quilt factories, hat and cap materials factories, and millinery factories, all included in the group "Other miscellaneous industries" in 1920 and in 1910, and laborers in white-goods factories, included in the group "Other clothing factories" in 1920 and in 1910, were classified in the group "Other and not specified textile mills" in 1930.
- ²⁷ "Farm laborers (turpentine farm)" were classified in "Agriculture" in 1920 and in 1910. See, also, footnote 24.
- ²⁸ Not classified separately in 1920 or in 1910.
- ²⁹ Neither in 1910, in 1920, nor in 1930 was the attempt to distinguish chauffeurs and motor-truck drivers from draymen, teamsters, and carriage drivers very successful.
- ³⁰ Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; drivers for bakeries and stores are classified as delivery men in trade; and drivers for laundries are classified as delivery men in domestic and personal service. See, also, footnote 31.
- ³¹ "Laborers, trucks, transfer, and cab companies" were included with "Draymen, teamsters, and expressmen" in 1920 and in 1910.
- ³² Because of indefinite returns by census enumerators, it is probable that at each census some stationary engineers were included with locomotive engineers, and that some firemen of stationary boilers were included with locomotive firemen.

- 2 Postmasters were classified in "Public service" in 1920 and in 1910.
- 2 Radio and wireless operators were included with telegraph operators in 1920 and in 1910.
- 2 Included in the group "Other apprentices" in "Manufacturing and mechanical industries" in 1920 and in 1910.
- 2 Aviators, designated "Aeronauts" and included with "Showmen" in 1910 and classified as a separate group under "Other professional pursuits" in 1920, were transferred to "Transportation and communication" in 1930.
- 2 Foremen in garages, greasing stations, and automobile laundries were included in the group "Foremen and overseers, other transportation" in 1920 and in 1910.
- 2 Most of these are constructing canals, docks, harbors, etc.
- 2 Classified, in 1920 and in 1910, in the group "Agents" in "Clerical occupations."
- 2 This group was more strictly confined in 1930 than in 1920 or in 1910 to persons specifically returned as "Clerks" in stores.
- 2 Some delivery men probably were returned and classified as chauffeurs, and others as teamsters or truck drivers.
- 2 Includes delivery men for laundries, classified in "Domestic and personal service" in 1930.
- 2 Included, in 1920 and in 1910, in the group "Other proprietors, officials, and managers."
- 2 Includes, also, managers and superintendents of retail stores.
- 2 "Retail dealers, gasoline and oil filling stations" were included in the group "Other specified retail dealers" in 1920 and in 1910.
- 2 "Canvassers," classified in "Clerical occupations" in 1920 and in 1910, were transferred to "Trade" in 1930.
- 2 Included in the group "Other occupations" in 1920 and in 1910.
- 2 In 1920 and in 1910 this group included "Postmasters," classified in "Transportation and communication" in 1930.
- 2 Includes only those resident in continental United States at date of enumeration.
- 2 Probably includes some teachers in schools below collegiate rank.
- 2 Osteopaths were included with "Physicians and surgeons" in 1910.
- 2 Includes, also, all technical engineers not elsewhere classified.
- 2 Includes, also, chemical and metallurgical engineers.
- 2 In 1920 and in 1910 "County agents, farm demonstrators, etc.," were included in the group "Agents," in "Clerical occupations," and "Social and welfare workers" were included in the group "Religious, charity, and welfare workers" in "Semiprofessional pursuits."
- 2 Classified under "Manufacturing and mechanical industries" in 1920 and in 1910.
- 2 "Billiard room, dance hall, skating rink, etc., keepers," classified in "Domestic and personal service" in 1920 and in 1910, were transferred to "Professional service" in 1930.
- 2 Chiropractors were included in the group "Healers (except osteopaths and physicians and surgeons)" in 1920 and in 1910.
- 2 "Directors, managers, and officials, motion-picture production" were included in the group "Theatrical owners, managers, and officials" in 1920 and in 1910.
- 2 Not shown prior to 1930.
- 2 Includes two 1930 groups—"Social and welfare workers" and "Religious workers."
- 2 Most of the "Technicians and laboratory assistants," in 1920 and in 1910, were distributed among three groups—"Semiskilled operatives, other chemical factories"; "Other occupations" under "Semiprofessional pursuits"; and "Other clerks" under "Clerical occupations."
- 2 Included, in 1920 and in 1910, in the group "Bell boys, chore boys, etc.," in "Domestic and personal service."
- 2 Included, in 1920 and in 1910, in the group "Semiskilled operatives, other miscellaneous industries," in "Manufacturing and mechanical industries."
- 2 "Laborers, professional service"; "Laborers, recreation and amusement"; and "Laborers, domestic and personal service" comprised the 1920 and 1910 groups "Laborers, domestic and professional service."
- 2 Some owners of hand laundries probably are included with laundry operatives.
- 2 Some delivery men probably were returned and classified as chauffeurs.
- 2 "Delivery men, laundries" were included in 1920 and in 1910 in the group "Delivery men, bakeries and laundries," in "Trade."
- 2 "Attendants, pool rooms, bowling alleys, golf clubs, etc.," classified in "Professional service" in 1930, formed a part of the 1920 and 1910 group "Bell boys, chore boys, etc.," which was a subgroup of the group "Servants."
- 2 "Advertising agents," classified in "Trade" in 1930, and "County agents, farm demonstrators, etc.," classified in "Professional service" in 1930, were classified in the group "Agents" in 1920 and in 1910. "Canvassers," classified in "Trade" in 1930, were classified in "Clerical occupations" in 1920 and in 1910.
- 2 Classified in the group "Agents" in 1920. In 1910, those in stores were classified with "Salesmen and saleswomen (stores)."
- 2 Classified in the group "Agents" in 1920 and in 1910.
- 2 "Office-appliance operators" were included in the group "Other clerks" in 1920 and in 1910.
- 2 Except telegraph messengers.

TABLE II.—Number and per cent of increase or decrease from 1920 to 1930 and 1910 to 1930 among men and women engaged in certain selected¹ occupations

Occupation	Increase or decrease, 1920 to 1930				Increase or decrease, 1910 to 1930			
	Men		Women		Men		Women	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Population 10 years of age and over.....	+7,659,829	+18.1	+8,323,903	+20.6	+12,922,240	+34.9	+14,220,537	+41.2
All occupations.....	+5,013,067	+15.2	+2,202,605	+25.8	+7,980,240	+26.5	+2,676,344	+33.1
Agriculture, forestry, and fishing.....	-40,008	- .4	-173,651	-16.0	-1,010,735	-9.3	-896,913	-49.6
Farmers (owners and tenants).....	-372,416	-6.1	-2,932	-1.1	-109,871	-1.9	-10,497	-3.8
Farm laborers.....	+363,534	+10.7	-166,898	-19.5	-933,493	-19.9	-879,376	-57.6
Wage workers.....	+452,227	+21.4	-55,294	-24.4	+15,672	+ .6	-177,790	-50.9
Unpaid family workers.....	-88,693	-7.0	-101,634	-17.6	-949,165	-44.5	-701,577	-59.6
Extraction of minerals.....	-103,795	-9.5	-2,105	-73.5	+19,489	+2.0	-335	-30.6
Manufacturing and mechanical industries.....	+1,322,818	+12.1	-44,045	-2.3	+3,388,647	+38.4	+63,400	+3.6
Apprentices.....	-57,412	-43.8	-5,536	-88.7	(¹)	.....	(¹)	.....
Bakers.....	+38,537	+41.3	+4,323	+94.1	+47,132	+55.6	+4,137	+56.6
Buffers and polishers (metal).....	+5,141	+18.0	-446	-22.0	+5,434	+19.3	-754	-31.4
Compositors, linotypers, and typesetters.....	+44,504	+34.5	-1,037	-9.2	+59,825	+52.7	-8,782	-26.9
Foremen and overseers (manufacturing).....	+32,071	+11.5	-1,704	-5.6	+153,781	+98.4	+8,726	+44.2
Jewelers, watchmakers, goldsmiths, and silversmiths.....	-508	-1.3	-424	-25.3	+7,371	+24.5	-1,283	-40.6
Managers and officials (manufacturing).....	+60,715	+25.1	+2,091	+25.1	+178,503	+144.2	+8,559	+450.4
Manufacturers.....	+23,440	+13.1	+766	+15.5	-29,127	-12.6	+1,410	+32.8
Milliners and millinery dealers.....	+1,189	+32.5	-29,406	-42.4	-613	-11.2	-82,345	-67.2
Painters, glaziers, and varnishers (factory).....	+21,411	+31.4	+1,259	+55.6	+29,760	+49.8	+2,393	+212.0
Tailors and tailoresses.....	-12,928	-8.1	-10,021	-31.5	-16,319	-10.0	-19,086	-48.6
Upholsterers.....	+21,759	+79.6	+68	+3.9	+30,109	+159.4	+1,062	+82.1
Factory operatives.....	+147,049	+6.4	+116,610	+8.6	+740,577	+43.8	+414,562	+39.7
Chemical and allied industries.....	+37,317	+72.8	+9,734	+50.9	+62,470	+239.0	+15,187	+111.0
Cigar and tobacco factories.....	-25,495	-41.6	-16,012	-19.1	-44,189	-55.3	-3,897	-5.4
Clay, glass, and stone industries.....	+8,361	+11.6	+2,847	+19.3	+1,400	+1.8	+6,251	+66.1
Clothing industries.....	-1,560	-1.1	+81,108	+30.5	-6,708	-4.5	+109,481	+46.1
Electrical machinery and supply factories.....	+34,560	+92.3	+17,926	+65.4	+68,376	+428.1	+34,374	+310.4

Food and allied industries.....	+4,377	+3.3	+15,489	+21.2	+37,483	+38.1	+50,147	+130.6
Iron and steel, machinery, and vehicle industries.....	-41,526	-6.6	+2,944	+5.1	+245,152	+71.0	+37,206	+157.9
Other metal industries.....	+205	+3	+356	+1.2	+12,063	+24.7	+9,944	+47.7
Leather industries.....	-20,669	-10.5	+8,950	+10.8	-12,534	-6.7	+26,243	+40.1
Lumber and furniture industries.....	+7,782	+5.2	+950	+5.1	+3,537	+2.3	+5,049	+40.5
Paper, printing, and allied industries.....	+14,742	+16.8	-4,355	-6.4	+38,905	+61.3	+3,916	+0.6
Rubber factories.....	-7,824	-11.0	+2,455	+13.0	+38,376	+181.3	+10,866	+104.3
Textile industries.....	+31,087	+8.8	-6,113	-1.4	+81,815	+20.8	+46,303	+12.0
Carpet mills.....	+3,483	+26.8	+1,739	+16.7	-1,169	-6.6	-7,569	-38.4
Cotton mills.....	+3,549	+2.3	-3,502	-2.3	+17,335	+12.4	+5,017	+3.6
Knitting mills.....	+17,281	+64.2	+9,121	+11.3	+21,675	+90.2	+24,465	+37.4
Silk mills.....	+9,127	+21.2	+922	+1.3	+23,061	+79.5	+23,350	+46.3
Woolen and worsted mills.....	-11,042	-18.5	-12,055	-20.5	-369	-7	-2,906	-5.8
Building, general, and not specified laborers.....	+432,045	+64.4	-3,700	-24.3	+184,231	+20.0	-4,345	-27.4
Factory laborers.....	-132,178	-6.2	-40,197	-26.1	+474,072	+31.4	+51,187	+81.5
Chemical and allied industries.....	+17,808	+13.6	-203	-5.6	+69,080	+88.4	+1,287	+60.6
Cigar and tobacco factories.....	-7,201	-33.8	-7,375	-53.2	+2,658	+23.2	+1,531	+39.9
Clay, glass, and stone industries.....	+21,880	+18.2	-769	-17.5	-10,343	-6.8	+1,182	+49.5
Clothing industries.....	+2,144	+33.4	+373	+5.9	+3,134	+57.8	+1,019	+39.8
Electrical machinery and supply factories.....	+9,783	+41.5	+313	+9.7	+23,292	+231.7	+2,189	+166.3
Food and allied industries.....	-16,890	-11.0	+1,711	+10.5	+42,817	+45.6	+11,197	+162.6
Iron and steel, machinery, and vehicle industries.....	-64,995	-9.1	-2,487	-19.8	+176,226	+36.8	+3,984	+64.6
Other metal industries.....	-3,858	-6.1	-1,631	-31.9	+16,779	+39.8	+846	+32.1
Leather industries.....	-15,164	-31.5	-874	-13.5	+684	+2.1	+2,651	+90.0
Lumber and furniture industries.....	+16,197	+5.2	-3,271	-30.5	+12,843	+4.1	+3,462	+86.0
Paper, printing, and allied industries.....	+3,162	+5.1	-812	-13.5	+28,208	+78.4	+1,333	+34.5
Rubber factories.....	-21,535	-45.3	-809	-20.5	+13,756	+112.5	+1,821	+137.7
Textile industries.....	-19,560	-16.3	-13,212	-40.1	+29,668	+41.7	+3,718	+23.2
Cotton mills.....	-13,207	-22.1	-7,589	-45.5	+14,402	+45.0	+3,313	+57.4
Knitting mills.....	-719	-10.9	-1,812	-33.9	+1,020	+38.0	-12	-3
Silk mills.....	+1,570	+21.4	-572	-21.0	+0,234	+232.1	-1,040	+94.1
Woolen and worsted mills.....	-6,283	-34.5	-2,191	-54.9	+1,710	+16.7	-247	-12.1
Transportation and communication.....	+689,384	+24.0	+56,934	+25.4	+1,012,021	+39.7	+105,857	+143.8
Laborers, steam railroad.....	-31,666	-6.8	-3,475	-52.8	-107,973	-20.0	-137	-4.2
Mail carriers.....	+30,073	+33.4	-191	-14.5	+40,537	+50.9	+118	+11.7
Postmasters.....	+91	+4	+2,395	+21.4	+1,691	+8.8	+4,881	+56.0
Telegraph operators.....	-10,876	-17.4	-738	-4.4	-10,035	-16.3	+7,903	+96.2
Telephone operators.....	+1,844	+15.7	+56,880	+31.9	+3,994	+41.5	+140,897	+166.5
Ticket and station agents.....	+1,046	+4.3	-471	-20.8	+2,440	+10.6	+582	+48.2

¹ This table is limited to those occupations in each of which 1,000 or more persons of each sex were engaged, both in 1930 and in 1920, but for reasons of space not all the component factory groups are shown in the case of the manufacturing industries, even when this numerical prerequisite was met.

² 1910 figures not available.

TABLE II.—Number and per cent of increase or decrease from 1920 to 1930 and 1910 to 1930 among men and women engaged in certain selected occupations—Continued

Occupation	Increase or decrease, 1920 to 1930				Increase or decrease, 1910 to 1930			
	Men		Women		Men		Women	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Trade.....	+1,533,086	+42.8	+290,697	+43.3	+1,058,225	+62.0	+489,977	+103.7
Bankers, brokers, and money lenders.....	+56,003	+35.8	+3,888	+73.3	+109,142	+105.8	+6,558	+249.0
Canvassers.....	+41,442	+394.2	+7,622	+181.9	+37,976	+271.6	+7,198	+156.0
Commercial travelers.....	+43,276	+24.5	+1,136	+40.5	+58,763	+36.8	+1,349	+52.0
Decorators, drapers, and window dressers.....	+6,213	+80.7	+5,083	+440.1	+9,009	+183.8	+5,799	+1,321.0
Demonstrators.....	+154	+9.4	+2,556	+80.3	+543	+43.4	+2,610	+83.4
Floorwalkers and foremen in stores.....	+11,363	+68.6	+597	+14.8	+13,028	+87.4	+1,890	+52.2
Fruit and vegetable graders and packers.....	-1,204	-24.1	+3,056	+99.0	+1,107	+41.4	+4,104	+201.4
Inspectors, gaugers, and samplers.....	-1,760	-13.9	+4,789	+64.5	-762	-6.5	+4,059	+230.5
Insurance agents, managers, and officials.....	+141,941	+109.5	+9,316	+172.9	+176,228	+184.9	+12,043	+452.4
Laborers, porters, and helpers in stores.....	+82,694	+70.9	+967	+11.7	+101,127	+103.0	+5,228	+125.6
Real estate agents and officials.....	+68,316	+48.8	+22,579	+245.2	+83,308	+69.4	+28,800	+956.0
Retail dealers.....	+344,061	+27.5	+31,186	+39.5	+465,430	+41.3	+43,003	+64.2
Salesmen and "clerks" in stores.....	+671,548	+65.3	+179,075	+34.0	+782,190	+86.7	+343,712	+94.9
Undertakers.....	+8,650	+37.9	+813	+72.1	+12,271	+61.6	+1,127	+138.6
Public service (not elsewhere classified).....	+110,638	+15.2	+6,997	+66.1	+412,016	+96.6	+12,747	+263.6
Laborers (public service).....	+50,518	+47.9	-423	-27.6	+89,398	+134.4	+379	+51.9
Marshals, sheriffs, detectives, etc.....	+8,279	+26.7	+1,330	+106.7	+16,028	+69.0	+2,196	+577.9
Officials and inspectors (city).....	+13,282	+41.6	+1,522	+95.9	+13,001	+40.4	+2,098	+207.5
Officials and inspectors (county).....	+5,401	+28.7	+2,503	+79.5	+6,782	+34.7	+4,290	+271.7
Officials and inspectors (State and United States).....	+2,664	+5.6	+637	+53.9	+25,619	+105.6	+1,004	+123.2
Professional service.....	+573,429	+49.7	+509,204	+50.1	+751,127	+76.9	+791,482	+107.7
Professional persons.....	+428,758	+41.2	+461,883	+48.4	+564,903	+62.4	+710,214	+100.7
Actors and showmen.....	+20,693	+61.2	+6,471	+44.8	+19,218	+54.5	+7,645	+58.7
Artists, sculptors, and teachers of art.....	+14,836	+71.4	+7,027	+48.1	+16,946	+60.7	+6,215	+40.3
Authors, editors, and reporters.....	+14,793	+46.0	+8,635	+96.8	+14,411	+44.3	+11,132	+178.4
Chemists, assayers, and metallurgists.....	+13,936	+44.6	+191	+11.1	+29,469	+187.8	+1,326	+229.0
Clergymen.....	+20,089	+16.0	+1,489	+83.3	+28,239	+24.1	+2,591	+378.2
College presidents and professors.....	+18,442	+79.0	+10,056	+69.8	+29,064	+228.7	+17,173	+580.6
Dentists.....	+15,445	+28.4	-642	-29.6	+31,025	+80.1	+33	+2.6
Designers, draftsmen, and inventors.....	+30,531	+48.5	+1,548	+20.2	+49,081	+110.5	+6,200	+205.8
Lawyers, judges, and justices.....	+36,439	+30.2	+1,647	+94.8	+43,074	+37.7	+2,837	+506.6
Librarians.....	+762	+42.5	+13,554	+160.4	+963	+60.4	+21,227	+364.2

Musicians and teachers of music.....	+27,930	+48.5	+6,933	+9.5	+30,685	+56.0	-4,867	-5.8
Osteopaths.....	+1,187	+35.3	-100	-6.0	(¹)	(¹)	(¹)	(¹)
Photographers.....	+4,023	+14.8	+1,247	+17.5	+4,352	+16.2	+3,402	+68.5
Physicians and surgeons.....	+9,220	+6.7	-394	-5.5	+4,861	+3.4	-2,190	-24.3
Teachers (athletics, dancing, etc.).....	+6,611	+116.5	+2,277	+56.4	+9,520	+343.9	+5,148	+442.6
Teachers (school).....	+73,201	+62.6	+218,760	+34.4	+71,607	+60.5	+377,103	+79.1
Trained nurses.....	-12	-2	+145,073	+101.0	-367	-6.3	+212,229	+277.4
Semiprofessional persons:								
Abstractors, notaries, and justices of the peace.....	+1,260	+14.7	+425	+28.7	+3,188	+47.9	+1,123	+143.1
Chiropractors and healers (not elsewhere classified).....	+10,197	+148.4	+4,585	+58.0	+14,907	+689.5	+7,815	+167.3
Keepers of charitable and penal institutions.....	+1,515	+19.0	+621	+12.6	+4,222	+80.5	+3,307	+147.3
Officials of lodges, societies, etc.....	+1,939	+20.3	+840	+38.9	+5,268	+84.4	+1,032	+52.4
Social and religious workers ²	+3,837	+27.1	+17,616	+65.4	+10,907	+154.0	+35,654	+401.1
Theatrical owners, managers, and officials.....	+1,553	+9.1	-225	-17.9	+7,664	+69.5	+737	+249.8
Attendants and helpers (professional service):								
Physicians' and dentists' assistants.....	-950	-39.4	+14,948	+131.7	+226	+18.3	+21,343	+430.7
Theater ushers.....	+6,440	+224.5	+800	+34.0	+7,177	+336.8	+2,000	+2,044.9
Domestic and personal service.....	+578,887	+48.5	+993,569	+45.4	+546,805	+44.6	+649,848	+255.7
Barbers, hairdressers, and manicurists.....	+78,131	+42.7	+79,948	+240.5	+88,119	+50.9	+90,896	+407.6
Boarding and lodging house keepers.....	-1,559	-8.4	+12,538	+10.9	-5,950	-25.0	-15,122	-10.6
Charwomen and cleaners.....	+9,095	+76.8	+16,034	+64.3	+13,748	+191.1	+14,150	+52.7
Cleaning, dyeing, and pressing shop workers.....	+49,421	+289.1	+17,030	+372.4	+54,300	+444.5	+18,958	+716.7
Elevator tenders.....	+21,879	+95.8	+5,022	+68.4	+30,245	+120.9	+12,334	+49,336.0
Hotel keepers and managers.....	-1,911	-4.6	+3,176	+22.5	-10,731	-21.3	+3,075	+21.6
Housekeepers and stewards.....	+3,121	+18.1	+32,013	+15.7	+4,443	+27.9	+63,030	+36.4
Janitors and sextons.....	+124,215	+83.0	+6,782	+23.4	+182,176	+198.8	+14,368	+67.0
Laborers (domestic and professional service).....	+89,333	+286.1	+4,737	+283.8	+70,292	+139.8	+3,191	+99.3
Launderers and laundresses (not in laundry).....	-6,317	-58.1	-29,406	-7.6	-9,128	-66.7	-163,536	-31.4
Laundry owners, managers, and officials.....	+10,243	+83.7	+610	+42.0	+5,425	+31.8	+1,077	+109.2
Laundry operatives.....	+13,765	+43.9	+76,739	+105.6	+16,284	+56.5	+77,810	+108.7
Nurses (not trained).....	-5,471	-28.3	+6,918	+5.2	-2,059	-12.9	+28,604	+25.8
Restaurant, café, and lunch-room keepers.....	+53,055	+73.3	+24,364	+155.7	+75,082	+149.2	+29,492	+280.4
Servants.....	+105,361	+40.7	+622,826	+61.5	+101,498	+38.6	+325,410	+24.8
Waiters.....	+49,251	+43.9	+116,052	+98.4	+58,820	+57.4	+146,175	+170.4
Clerical occupations.....	+348,583	+20.6	+564,905	+39.7	+908,645	+80.4	+1,398,221	+237.5
Accountants and auditors.....	+69,484	+66.1	+3,636	+27.2	+138,904	+389.6	+13,428	+374.6
Agents, collectors, and credit men.....	+33,203	+22.2	+1,837	+15.8	+100,285	+121.8	+9,290	+221.9
Bookkeepers and cashiers.....	+2,889	+1.1	+119,951	+34.7	+9,488	+3.6	+282,128	+153.7
Clerks (except "clerks" in stores).....	+274,705	+27.0	+234,360	+49.6	+692,614	+115.9	+583,858	+476.0
Messenger, errand, and office boys and girls.....	-17,338	-17.6	-5,305	-37.2	-15,318	-15.8	-2,338	-20.7
Stenographers and typists.....	-14,360	-28.6	+210,396	+37.3	-17,828	-32.5	+511,825	+194.4

¹ 1910 figures not available.

² In the census of 1920, social and religious workers were combined and were listed among semiprofessional pursuits. Therefore, in computing the increase, these two occupations, which in 1930 were shown separately, must still be considered as one group.

TABLE III.—Men per 100 women in selected occupations: ¹ 1930, 1920, and 1910

Occupation	Men per 100 women		
	1930	1920	1910
All occupations.....	354	387	373
Agriculture, forestry, and fishing.....	1,078	909	599
Farmers (owners and tenants).....	2,189	2,305	2,145
Farm laborers.....	580	421	307
Wage workers.....	1,495	931	729
Unpaid family workers.....	249	221	181
Manufacturing and mechanical industries.....	648	565	485
Compositors, linotypers, and typesetters.....	1,688	1,140	806
Foremen and overseers (manufacturing).....	1,089	921	792
Manufacturers, managers, and officials (manufacturing).....	3,127	3,166	3,762
Tailors and tailoresses.....	676	594	401
Factory operatives.....	167	170	162
Chemical and allied industries.....	307	298	191
Cigar and tobacco factories.....	53	73	111
Clay, glass, and stone industries.....	513	549	837
Clothing industries.....	41	54	63
Suit, coat, and overall factories.....	89	123	121
Electrical machinery and supply factories.....	159	137	124
Food and allied industries.....	153	180	256
Candy factories.....	64	67	79
Iron and steel, machinery, and vehicle industries.....	972	1,093	1,467
Automobile factories.....	751	847	2,387
Other metal industries.....	198	200	235
Leather industries.....	192	237	287
Shoe factories.....	157	181	205
Lumber and furniture industries.....	806	805	1,107
Paper, printing, and allied industries.....	161	129	107
Paper and pulp mills.....	357	310	244
Printing, publishing, and engraving.....	133	105	100
Rubber factories.....	280	358	203
Textile industries.....	89	81	79
Carpet mills.....	136	125	90
Cotton mills.....	108	103	99
Knitting mills.....	49	33	34
Silk mills.....	71	59	58
Woolen and worsted mills.....	108	105	102
Laborers—building, general, or not specified.....	9,572	4,408	5,793
Factory laborers.....	1,740	1,372	2,404
Food and allied industries.....	756	939	1,365
Iron and steel, machinery, and vehicle industries.....	6,453	5,695	7,765
Textile industries.....	510	365	443
Transportation and communication.....	1,207	1,281	2,211
Postmasters.....	153	185	219
Telegraph operators.....	521	371	751
Telephone operators.....	6	7	11
Trade.....	532	534	669
Real estate and insurance agents and officials.....	1,032	1,846	3,905
Retail dealers.....	1,446	1,582	1,681
Dry goods, clothing, and boots and shoes.....	669	1,035	1,113
Groceries.....	977	932	960
Salesmen and "clerks" in stores.....	239	192	249
Public service (not elsewhere classified).....	4,770	6,876	8,821
Professional service.....	113	113	133
Actors and showmen.....	262	236	269
Actors.....	97	114	139
Artists, sculptors, and teachers of art.....	105	142	121
College presidents and professors.....	208	232	430
Musicians and teachers of music.....	107	79	65
Social and religious workers.....	40	53	80
Teachers (school).....	22	18	25

¹ This table is limited to those occupations in each of which 10,000 persons of each sex were engaged both in 1930 and in 1920.

TABLE III.—Men per 100 women in selected occupations: 1930, 1920, and 1910—Continued

Occupation	Men per 100 women		
	1930	1920	1910
Domestic and personal service.....	56	55	48
Barbers, hairdressers, and manicurists.....	231	550	776
Boarding and lodging house keepers.....	13	16	16
Charwomen and cleaners.....	51	47	27
Hotel keepers and managers.....	228	203	353
Housekeepers and stewards.....	9	8	9
Janitors and sextons.....	764	515	427
Laundry operatives.....	30	43	40
Nurses (not trained).....	10	15	14
Restaurant, café, and lunch-room keepers.....	313	462	478
Servants.....	22	26	20
Waiters.....	70	96	119
Clerical occupations.....	103	119	192
Accountants and auditors.....	1,026	785	994
Agents, collectors, and credit men.....	1,355	1,284	1,967
Bookkeepers and cashiers.....	59	78	144
Clerks (except "clerks" in stores).....	183	215	487
Stenographers and typists.....	5	9	20

TABLE IV.—Number of women in each of 10 major occupational groups and their component occupations: 1930, 1920, and 1910

Major occupational groups and component occupations	Number of women occupied in—		
	1930	1920	1910
Servants and allied occupations.....	2,300,209	1,568,921	1,963,642
Servants.....	1,634,959	1,012,133	1,309,549
Launderesses (not in laundry).....	350,468	385,874	520,004
Waitresses.....	231,973	116,921	85,798
Charwomen and cleaners.....	40,989	24,955	26,839
Janitresses.....	35,820	29,038	21,452
Clerical and kindred pursuits.....	1,999,073	1,427,261	863,772
Clerical occupations (proper).....	1,086,830	1,421,925	588,609
Technicians and laboratory assistants.....	7,700	(1)	(1)
Ticket and station agents.....	1,790	2,201	1,208
Librarians' assistants and attendants.....	1,129	1,320	1,011
Mail carriers.....	179	434	78
Telegraph messengers.....	1,363	1,212	2,792
Agents, express companies.....	74	100	71
Express messengers and railway mail clerks.....	8	9	3
Factory and laundry employees.....	1,780,906	1,612,838	1,205,782
Factory operatives.....	1,458,776	1,343,166	1,044,214
Factory laborers.....	113,084	154,181	62,797
Factory forewomen.....	28,467	30,171	19,741
Laundry operatives.....	149,414	72,675	71,604
Laundry laborers.....	8,292	6,537	3,354
Laundry forewomen.....	2,754	1,535	1,397
Operatives—cleaning, dyeing, and pressing shops.....	18,321	4,573	2,645
Laborers—cleaning, dyeing, and pressing shops.....	639		
Forewomen—cleaning, dyeing, and pressing shops.....	349		
Professional women ¹	1,415,425	953,542	705,211
Agricultural pursuits.....	910,268	1,083,810	1,807,181
Agriculture.....	909,030	1,083,146	1,806,624
Forestry and fishing.....	329	673	557
Saleswomen, "clerks" in stores, etc.....	727,800	538,530	376,522
Saleswomen (stores).....	542,640	356,321	250,487
"Clerks" in stores.....	163,147	170,397	111,594
Canvassers.....	11,813	4,101	4,615
Demonstrators.....	5,740	3,184	3,130
Commercial travelers.....	3,042	2,806	2,593
Sales agents.....	617	1,634	4,068
Auctioneers.....	4	3	5
Housekeepers, stewardesses, and practical nurses.....	375,939	337,008	264,245
Housekeepers and stewardesses.....	236,363	204,350	173,333
Practical nurses.....	139,576	132,658	110,912
Telephone and telegraph operators.....	251,427	105,230	96,481
Telephone operators.....	235,259	178,379	88,262
Telegraph operators.....	16,122	16,860	8,219
Radio operators.....	46	(1)	(1)
Business women.....	262,050	149,496	114,133
Retail dealers.....	110,166	78,080	67,103
Restaurant, café, and lunch-room keepers.....	40,008	15,644	10,510
Real estate agents and officials.....	31,787	9,208	2,027
Hotel keepers and managers.....	17,310	14,134	14,235
Manufacturers, managers, and officials (manufacturing).....	16,133	13,276	6,164
Insurance agents, managers, and officials.....	14,705	5,389	2,602
Bankers, brokers, and money lenders.....	9,192	5,304	2,634
Advertising agents.....	5,656	(1)	(1)
Proprietors, managers, and officials (trade) (n. o. s.) ²	3,104	1,061	1,010
Proprietors, managers, and officials (transportation) (n. o. s.) ²	3,093	645	1,611
Owners and managers—cleaning, dyeing, and pressing shops.....	2,294	(1)	(1)
Laundry owners, managers, and officials.....	2,063	1,453	980
Undertakers.....	1,940	1,127	813
Wholesale dealers, importers, and exporters.....	1,088	794	925
Theatrical owners, managers, and officials.....	1,032	1,257	295

¹ Data not available.² Total professional service minus semiprofessional and recreational pursuits and attendants and helpers.³ Not otherwise specified.

TABLE IV.—Number of women in each of 10 major occupational groups and their component occupations: 1930, 1920, and 1910—Continued

Major occupational groups and component occupations	Number of women occupied in—		
	1930	1920	1910
Business women—Continued.			
Keepers of pleasure resorts, race tracks, etc.....	977	197	223
Owners and managers—truck, transfer, and cab companies.....	576	266	230
Garage owners, managers, and officials.....	422	207	23
Billiard room, dance hall, skating rink, keepers.....	310	242	818
Builders and building contractors.....	202	79	849
Radio announcers, directors, managers, and officials.....	180	(¹)	(¹)
Mine operators, managers, and officials.....	141	182	107
Directors, managers, and officials—motion-picture production.....	35	(¹)	(¹)
Officials and superintendents—steam and street railroads.....	26	51	2
Sewing occupations.....	221, 998	341, 254	623, 000
Dressmakers and seamstresses (not in factory).....	157, 928	235, 519	447, 760
Milliners and millinery dealers.....	40, 102	69, 598	122, 447
Tailoresses.....	21, 807	31, 828	40, 813
Dressmakers' and milliners' apprentices.....	2, 161	4, 309	11, 980
All other occupations.....	506, 022	341, 597	305, 833
Boarding and lodging house keepers.....	127, 278	114, 740	142, 400
Hairdressers and manicurists.....	113, 194	33, 240	22, 298
All other pursuits.....	265, 550	193, 611	141, 135

¹ Data not available.

APPENDIX B—CLASSIFICATION AND METHOD; INSTRUCTIONS TO ENUMERATORS

The Women's Bureau has based this interpretive report regarding the occupational progress of women principally on a bulletin of the Fifteenth Census, taken in 1930, entitled "Occupation Statistics: Abstract Summary for the United States." This bulletin of 20 pages, published by the United States Bureau of the Census on June 28, 1932, has been followed by numerous other census publications that show, not only for the United States but for each State and large city, occupation statistics according to sex, age, color or race, nativity, parentage, and marital condition.

Changes in occupational classification schemes.

In 1922 the Women's Bureau published a similar report on the occupational progress of women from 1910 to 1920, known as Bulletin No. 27. Certain statements in that report are not strictly comparable with those in this bulletin because of recent changes in the scheme of occupation classification of the Bureau of the Census. For example, Tables 10 and 13 of this report are based on the 1930 classification plan; hence, the data will not absolutely agree with those in Bulletin 27. In its abstract summary just published, the Bureau of the Census has this to say regarding changes in classifications:

Comparative figures.—Since the Fifteenth Census occupation classification differs somewhat from that of the Fourteenth Census, it has been necessary, for comparison, to assign a few Fourteenth Census occupations to general divisions of occupations different from those under which they were presented in 1920. Further, a few of the occupational designations as returned by the enumerators were assigned, in 1930, to an occupation group different from that under which they would have been classified in 1920. Wherever such changes were made the figures for the two censuses will not be exactly comparable, though the differences are in most cases negligible.

The transfer of postmasters from public service in 1920 to transportation and communication in 1930 is illustrative of numerous minor changes that slightly affect the number of persons in each general division of occupations, as shown in 1920 census statistics or in reports based on these data.

Certain methods of procedure.

In assembling the number of occupations in which any given number of women are engaged, several difficulties are encountered because of the many groups that serve as subtotals, the residuary groups, and new occupations. The method used in counting the number of occupations in which 1,000 women are at work at each census is as follows: All such single occupations not comprising any group or subgroup are counted; groups of occupations forming subtotals are not included among the pursuits with 1,000 women in each unless none of their component parts meets the numerical requirement. No occupation group serving as a subtotal is omitted from this category unless it has at least one component occupation with 1,000 women

workers at each census. To illustrate, operatives in chemical industries and in clothing industries as a whole are omitted from the number of occupations with 1,000 or more women in each, but operatives in several of their subdivisions are included.

Residuary groups whose entity is indefinite have not been included in Tables 10 and 13 on the ground that they do not possess sufficient distinction to be considered as separate occupations. This decision has not been interpreted too literally, however. For example, "other healers," "other laundry operatives," and "other clerks" have been included among those occupations with 1,000 women in each, but such groups as "other occupations in professional service" or "other pursuits in public service" have been omitted.

New occupations that afford employment to a given number of women have been included in Tables 10 and 13, but their inclusion or exclusion was a difficult matter to decide. For example, in 1920 social and religious workers were combined as one group, though each of these two occupations obviously was followed by more than 1,000 women. Inasmuch as these pursuits are shown separately in 1930, Table 13 includes two occupations in 1930 for what was necessarily but one occupation in 1920. On the other hand, it is probable that the country did not have 1,000 women rayon factory operatives in 1920; to omit this new occupation from such a table in 1930 would not represent conditions as they really are. After considering these conflicting points, it was decided to include all the new occupations, but the 1930 figures should be discounted somewhat for the reason that the data for 14 occupations included among them were not so tabulated in 1920.

It may seem inconsistent to show all factory operatives and all factory laborers as occupational groups in certain tables and not in others. Similarly, all textile-mill operatives are sometimes considered as an occupational group, while at other times operatives are shown only for those plants comprising the subdivisions of this industry. The usual criterion as to inclusion has been to list such total groups when it was not possible to include their component parts.

Such decisions are admittedly arbitrary and constitute by no means the only method of procedure; yet some definite plan must be adopted, and the original data on which this report is based do not lend themselves to simpler methods.

Persons 10 years of age and over.

Inasmuch as the Bureau of the Census excludes from tabulation the occupations of persons under 10 years of age, the bureau's abstract summary on which this report is based confines its occupation statistics to persons 10 years of age and over. For reasons of ease and convenience this limitation is not mentioned in every table heading; nor is it constantly reverted to throughout the discussion, though the fact has always been borne in mind.

Housekeepers and housewives.

The Bureau of the Census has made every effort to include as housekeepers only those who are in reality intrusted with the responsibility of a household, the supervision of servants, or the upbringing of children. Inasmuch as housewives living at home have a tendency to return their occupations as housekeepers, the error in the statistics for

this pursuit is thought to be large; moreover, it is not possible to eliminate this error entirely, though a careful and sustained effort in this direction has been made. Housewives are considered apart from gainful workers for the reason that they are not undertaking their positions with the idea of monetary gain; nor do they compete for their positions in the open labor market.

Instructions to census enumerators.

Certain sections of the instructions to enumerators, issued by the bureau in connection with the Fifteenth Census, have a bearing on this report and for this reason are reproduced here.

* * * A "gainful occupation" in census usage is an occupation by which the person who pursues it earns money or a money equivalent, or in which he assists in the production of marketable goods. The term "gainful worker," as interpreted for census purposes, does not include women doing housework in their own homes, without wages, and having no other employment, nor children working at home, merely on general household work, on chores, or at odd times on other work.

Occasionally there will be doubt as to whether an occupation should be returned for a person who works only a small part of the time at the occupation. In such cases the rule may generally be followed that, unless the person spends at least the equivalent of one day per week at the occupation, he or she should not be returned as a gainful worker.

Occupation of persons unemployed.—* * * persons out of employment when visited by the enumerator may state that they have no occupation, when the fact is that they usually have an occupation but happen to be idle or unemployed at the time of the visit. In such cases the return should be the occupation followed when the person is employed or the occupation in which last regularly employed, and the fact that the person was not at work should be recorded * * *.

Women doing housework.—In the case of a woman doing housework in her own home and having no other employment, the entry in column 25 [occupation] should be *none*. But a woman doing housework for *wages* should be returned * * * as *housekeeper, servant, cook, or chambermaid*, as the case may be; and the entry in column 26 [industry or place of work] should state the kind of place where she works, as *private family, hotel, or boarding house*.

Where a woman not only looks after her own home but also has employment outside or does work at home for which she receives payment, the outside work or gainful employment should ordinarily be reported as her occupation, unless this takes only a very small fraction of the woman's time. For instance, a woman who regularly takes in washing should be reported as *laundress or washer-woman*, followed * * * by *at home*.

Farm workers.—Return a person in charge of a farm as a *farmer*, whether he [or she] owns it or operates it as a tenant, renter, or cropper; but a person who manages a farm for some one else for wages or a salary should be reported as a *farm manager*. A man who directs farm labor under the supervision of the owner or of a manager should be reported as a *farm foreman* or a *farm overseer*; and a person who works on a farm for some one else, but not as a manager or foreman should be reported as a *farm laborer*.

Women doing farm work.—A woman who works only occasionally, or only a short time each day at outdoor farm or garden work, or in the dairy, or in caring for livestock or poultry should not be returned as a farm laborer; but for a woman who works regularly and most of the time at such work, the return * * * should be *farm laborer*. Of course, a woman who herself operates or runs a farm or plantation should be reported as a *farmer* and not as a *farm laborer*.

Unusual occupations for women.—There are many occupations, such as carpenter and blacksmith, which women usually do not follow. Therefore, if you are told that a woman follows an occupation which is very peculiar or unusual for a woman, verify the statement.

Children working for parents.—Children who work for their parents at home merely on general household work, at chores, or at odd times on other work, should be reported as having no occupation. Those, however, who somewhat

regularly assist their parents in the performance of work other than household work or chores should be reported as having the occupation represented by this work.

Unusual occupations for children.—It is very unusual for a child to be a farm or other proprietor of any kind; to be an official, a manager, or a foreman; to follow a professional pursuit; or to pursue any of the skilled trades, such as blacksmith, carpenter, machinist, etc. Therefore, whenever you are told that a child is following an occupation usually followed only by adults, ask whether the child is not merely a *helper* or an *apprentice* in the occupation, and make the entry accordingly.

Nurses.—In the case of a nurse, always specify whether she is a *trained nurse*, a *practical nurse*, or a *child's nurse*.

Cooks and general houseworkers.—Distinguish carefully between cooks and general houseworkers. Return a person who does general housework as a *servant* and not as a *cook*.

Keeping boarders.—Keeping boarders or lodgers should be returned as an occupation if the person engaged in it relies upon it as his [or her] principal means of support or principal source of income. In that case the return should be boarding-house keeper or lodging-house keeper. If, however, a family keeps a few boarders or roomers merely as a means of supplementing the earnings or income obtained from other occupations or from other sources, no one in the family should be returned as a boarding or lodging house keeper.

PUBLICATIONS OF THE WOMEN'S BUREAU

(Any of these bulletins still available will be sent free of charge upon request)

- *No. 1. Proposed Employment of Women During the War in the Industries of Niagara Falls, N. Y. 16 pp. 1918.
- *No. 2. Labor Laws for Women in Industry in Indiana. 29 pp. 1919.
- No. 3. Standards for the Employment of Women in Industry. 8 pp. Fourth ed., 1928.
- No. 4. Wages of Candy Makers in Philadelphia in 1919. 46 pp. 1919.
- *No. 5. The Eight-Hour Day in Federal and State Legislation. 19 pp. 1919.
- No. 6. The Employment of Women in Hazardous Industries in the United States. 8 pp. 1921.
- *No. 7. Night-Work Laws in the United States. (1919) 4 pp. 1920.
- *No. 8. Women in the Government Service. 37 pp. 1920.
- *No. 9. Home Work in Bridgeport, Conn. 35 pp. 1920.
- *No. 10. Hours and Conditions of Work for Women in Industry in Virginia. 32 pp. 1920.
- No. 11. Women Street Car Conductors and Ticket Agents. 90 pp. 1921.
- *No. 12. The New Position of Women in American Industry. 158 pp. 1920.
- *No. 13. Industrial Opportunities and Training for Women and Girls. 48 pp. 1921.
- *No. 14. A Physiological Basis for the Shorter Working Day for Women. 20 pp. 1921.
- No. 15. Some Effects of Legislation Limiting Hours of Work for Women. 26 pp. 1921.
- No. 16. (See Bulletin 98.)
- No. 17. Women's Wages in Kansas. 104 pp. 1921.
- No. 18. Health Problems of Women in Industry. 6 pp. Revised, 1931.
- No. 19. Iowa Women in Industry. 73 pp. 1922.
- *No. 20. Negro Women in Industry. 65 pp. 1922.
- No. 21. Women in Rhode Island Industries. 73 pp. 1922.
- *No. 22. Women in Georgia Industries. 89 pp. 1922.
- No. 23. The Family Status of Breadwinning Women. 43 pp. 1922.
- No. 24. Women in Maryland Industries. 96 pp. 1922.
- No. 25. Women in the Candy Industry in Chicago and St. Louis. 72 pp. 1923.
- No. 26. Women in Arkansas Industries. 86 pp. 1923.
- *No. 27. The Occupational Progress of Women. 37 pp. 1922.
- No. 28. Women's Contributions in the Field of Invention. 51 pp. 1923.
- No. 29. Women in Kentucky Industries. 114 pp. 1923.
- No. 30. The Share of Wage-Earning Women in Family Support. 170 pp. 1923.
- No. 31. What Industry Means to Women Workers. 10 pp. 1923.
- No. 32. Women in South Carolina Industries. 128 pp. 1923.
- *No. 33. Proceedings of the Women's Industrial Conference. 190 pp. 1923.
- No. 34. Women in Alabama Industries. 86 pp. 1924.
- No. 35. Women in Missouri Industries. 127 pp. 1924.
- No. 36. Radio Talks on Women in Industry. 34 pp. 1924.
- No. 37. Women in New Jersey Industries. 90 pp. 1924.
- No. 38. Married Women in Industry. 8 pp. 1924.
- No. 39. Domestic Workers and Their Employment Relations. 87 pp. 1924.
- No. 40. (See Bulletin 98.)
- No. 41. Family Status of Breadwinning Women in Four Selected Cities. 145 pp. 1925.
- No. 42. List of References on Minimum Wage for Women in the United States and Canada. 42 pp. 1925.
- No. 43. Standard and Scheduled Hours of Work for Women in Industry. 68 pp. 1925.
- No. 44. Women in Ohio Industries. 137 pp. 1925.
- No. 45. Home Environment and Employment Opportunities of Women in Coal-Mine Workers' Families. 61 pp. 1925.
- No. 46. Facts about Working Women—A Graphic Presentation Based on Census Statistics. 64 pp. 1925.

* Supply exhausted.

- No. 47. Women in the Fruit-Growing and Canning Industries in the State of Washington. 223 pp. 1926.
- *No. 48. Women in Oklahoma Industries. 118 pp. 1926.
- No. 49. Women Workers and Family Support. 10 pp. 1925.
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- No. 58. Women in Delaware Industries. 156 pp. 1927.
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- No. 60. Industrial Accidents to Women in New Jersey, Ohio, and Wisconsin. 316 pp. 1927.
- No. 61. The Development of Minimum-Wage Laws in the United States, 1912 to 1927. 635 pp. 1928.
- No. 62. Women's Employment in Vegetable Canneries in Delaware. 47 pp. 1927.
- No. 63. (See Bulletin 98.)
- No. 64. The Employment of Women at Night. 86 pp. 1928.
- *No. 65. The Effects of Labor Legislation on the Employment Opportunities of Women. 498 pp. 1928.
- No. 66-I. History of Labor Legislation for Women in Three States. 133 pp. 1929. (Separated from No. 66-II in reprint, 1932.)
- No. 66-II. Chronological Development of Labor Legislation for Women in the United States. 145 pp. 1929. (Revised and separated from No. 66-I in 1932.)
- No. 67. Women Workers in Flint, Mich. 80 pp. 1929.
- No. 68. Summary: The Effects of Labor Legislation on the Employment Opportunities of Women. (Reprint of Chapter II of Bulletin 65.) 22 pp. 1928.
- No. 69. Causes of Absence for Men and for Women in Four Cotton Mills. 24 pp. 1929.
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- No. ~~2003-04~~ Employment of Women in Slaughtering and Meat Packing. 211 pp. 1932.
- No. 89. The Industrial Experience of Women Workers at the Summer Schools, 1928 to 1930. 62 pp. 1931.
- No. 90. Oregon Legislation for Women in Industry. 40 pp. 1931.
- No. 91. Women in Industry. A Series of Papers to Aid Study Groups. 79 pp. 1931.
- No. 92. Wage-Earning Women and the Industrial Conditions of 1930—A Survey of South Bend. 84 pp. 1932.
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- No. 98. Labor Laws for Women in the States and Territories. Revision of Bul. 63. 71 pp. 1932.
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- No. 104. The Occupational Progress of Women, 1910 to 1930. 90 pp. 1933.
- Pamphlet—Women's Place in Industry in 10 Southern States. 14 pp. 1931.
- Annual Reports of the Director, 1919*, 1920*, 1921*, 1922, 1923*, 1924*, 1925, 1926, 1927*, 1928*, 1929*, 1930*, 1931, 1932.

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