POULTRY KILLING, DRESSING, AND PACKING, WHOLESALE

Description of the industry.—This industry embraces establishments engaged primarily in killing, dressing, and packing poultry or in processing and packing dressed poultry purchased, whose products for the year were valued at \$20,000 or more. Some of these establishments also kill and dress rabbits. The preparation and packing of poultry products such as potted chicken, etc., come within the classification. Although a number of large establishments operate throughout the year, the industry is mainly a seasonal one, and most of the plants are active only a few months each year. No data are included for those doing business only a few weeks.

Statistics published for earlier years.—Establishments engaged primarily in killing and dressing poultry were canvassed for 1925 and earlier years, but as the statistics based on the returns thus collected did not cover the canning of poultry and poultry products, they are not comparable with those for the industry as at present constituted and therefore are not included in the present report.

TABLE 1.—GENERAL STATISTICS, BY STATES: 19291

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups]

	Num-	Sala-	Wago earners		OWER TY) OF MENT	(RATED POWER			COST OF MATI PRODUCTS, ELECTRIC E	RIALS, CONTAL FUEL, AND PI NERGY	ners for Juchased		Value added by
STATE	ber of ostab- lish- ments	officers and em- ployees?	(aver- age for the	Total	Prime movers	Motors run by pur- chased energy	i '	Wages	Total	Materials and containers	Fuel and purchased energy	Value of products 3	added by manu- lacture
United States	485	1,385	7,760	13, 500	2, 404	11,036	\$2, 584, 579	\$7, 284, 558	\$100,805,500	\$100, 175, 011	\$600, 405	\$130, 161, 230	\$23, 205, 724
Individual States: California Florida Illinois Indiana Iowa Kansas Maryland Michigan Minesota Missouri Nobraska New Jersey New York North Dakota Ohio Oklahoma Oregon South Dakota Tonnessee Texas Washington Wisconsin	24 3 40 222 85 84 4 13 81 20 6 20 5 15 13 11 8 9 44 13	80 4 100 74 244 1133 6 24 121 116 6 57 54 8 30 32 29 23 20 23 103 10 12	200 10 742 384 1, 438 22 140 550 607 361 18 206 206 206 202 112 603 112 603 112 603 78	325 1,129 718 8,072 1,453 8 216 1,077 999 685 215 33 188 602 108 205 568 1,370 370 370	98 5 100 312 76 177 220 189 100 40 140 10 10 225 509	325 1, 031 2, 906 1, 141 8 141 900 779 398 115 83 148 402 98 105 343 810 35 176	223, 831 4, 100 208, 330 133, 390 370, 885 263, 021 12, 700 73, 547 186, 123 186, 486 87, 598 140, 404 11, 536 60, 063 55, 768 42, 031 41, 267 45, 420 214, 918 13, 023 20, 748	345, 172 13, 800 656, 014 302, 870 1, 305, 955 742, 701 36, 743 144, 738 500, 241 300, 441 23, 877 255, 003 31, 105 125, 800 230, 120 78, 104 111, 515 90, 303 407, 209 131, 515 68, 123	6, 013, 420 231, 949 9, 920, 945 5, 088, 605 18, 868, 958 9, 853, 981 697, 969 2, 730, 540 8, 184, 389 4, 923, 050 4, 923, 050 4, 923, 050 1, 411, 587 1, 448, 180 1, 822, 595 9, 918, 203 1, 471, 561 1, 005, 221	5, 000, 472 231, 151 9, 864, 016 5, 052, 544 18, 009, 043 0, 700, 806 2, 727, 653 7, 701, 416 8, 124, 250 4, 107, 730 4, 107, 730 3, 307, 144 587, 167, 608 1, 834, 128 1, 406, 986 1, 834, 128 1, 810, 320 1, 400, 676 995, 195	13, 048 50, 029 50, 065 150, 815 92, 516 1, 822 11, 887 68, 490 60, 133 25, 257 30 9, 348 1, 820 8, 847 21, 348 4, 601 14, 057 12, 209 43, 218 1, 880 10, 026	7, 225, 204 283, 803 12, 074, 180 6, 081, 402 22, 839, 901 11, 832, 936 787, 333 8, 273, 307 9, 500, 102 9, 875, 903 5, 014, 400 603, 604 2, 126, 824 1, 607, 804 1, 607, 804 1, 607, 804 1, 687, 343 1, 687, 343 1, 687, 343 1, 887, 343 1, 887, 343 1, 887, 343	1, 211, 844 51, 944 2, 113, 244 902, 883 3, 980, 943 1, 979, 265 90, 243 533, 827 1, 640, 250 1, 691, 514 1, 088, 386 77, 468 885, 397 104, 617 470, 309 588, 985 286, 307 380, 988 407, 818 1, 769, 980 388, 288 200, 998
Groups of States: Colo., 1 est.; Idaho, 4; Utah, 2 Del. 1; Mass., 2; Pa.,	7	6 52	38 522	77	20 108	57 118	7, 586 169, 924	34, 204 442, 298	036, 267 4, 901, 493	630, 688 4, 878, 282	5, 579 23, 211	769, 449 6, 973, 317	133, 182 2, 071, 824
Dol. 1; Mass., 2; Pa., 2; R. I., 1 Ga., 1; Ky., 2; Miss., 1; Va., 1	5	24	72	106	100	106	22, 270	47, 663	986, 220	979, 134	7,005	1, 102, 285	170,056

¹ No comparable data are available for earlier years.
2 Not including proprietors and firm members. The total numbers of persons engaged and the numbers of proprietors and firm members, as reported for this industry, are as follows: Total, 6,301; proprietors and firm members, 207.
3 The figures refer to sales (shipments or deliveries) by manufacturers. See General Explanations—Value of Products.
4 Value of products less cost of materials, containers for products, fiel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
5 This table includes some duplication due to the use of the products (dressed poultry) of certain establishments as materials by establishments engaged in the preparation and packing of potted chicken, etc.

TABLE 2.—PRODUCTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1929 1

[The figures refer to sales (shipments or deliveries) by manufacturers. See General Explanations—Value of Products]

PRODUCT	Value	PRODUCT	Value
1. Poultry killing, dressing, and packing industry, all products 2. Poultry and rabbits killed, dressed, and packed, and other poultry products 3. Other products (not normally belonging to the industry) 4. Poultry products, etc., made as secondary products in other industries. Poultry and rabbits killed, dressed, and packed, and other poultry products, aggregate (sum of 2 and 4). Poultry killed and dressed, total. Ohickens. Ducks.	198 047 015	Poultry and rabbits killed, dressed, and packed, and other poultry products—Continued. Poultry killed and dressed—Continued. Turkeys. Other poultry. Not reported as to quantity or kind Poultry canned, total. Whole. Parts. Other poultry products. Rabbits killed and dressed	654, 984 16, 191, 829 4, 124, 789

¹ No comparable data for earlier years.
2 This table includes some duplication due to the use of the products (dressed poultry) of certain establishments as materials by establishments engaged in the preparation and packing of potted chicken, etc.

TABLE 3.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1929

[The figures refer to sales (shipments or deliveries) by manufacturers. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments. Certain of the "Other States," however, reported larger production than some of the States shown separately]

KIND AND STATE	Pounds	Value	KIND AND STATE	Pounds	Value	RIND AND STATE	Pounds	Value
сніскемя	the state of the		DUCKS-continued			TURKEYS—continued		
United States		\$94, 324, 785	Kansas	62, 873 159, 268	\$12, 170 49, 404	South Dakota Tennessee Texas	503, 900 383, 521	\$155, 735 115, 763
California Illinois Indiana	32, 358, 141	6,042,737 9,975,113 4,427,794	Maryland Michigan Minnesota	49, 614 859, 531	14, 524 169, 154	{		5, 667, 899
Forges	64, 175, 147	18, 662, 679 9, 883, 955	Missouri Nebraska New Jarsay	844, 026 46, 587 256, 960	181, 868 9, 184 64, 140	Ga., Idaho, Ky., Miss.,		
Mighigan Minnesota Missouri	4, 200, 506 80, 994, 086	1, 358, 369 8, 178, 093 8, 130, 712	New Jersey New York Ohio South Dakota	409, 848 802, 864	113, 519 90, 514	Other States (Colo., Fla., Ga., Idaho, Ky., Miss., N. J., Okla., Oreg., Pa., R. I., Utah, Va., Wash., Wis.)	3, 180, 603	1, 111, 315
Nebraska New York	20, 139, 830	8, 130, 712 5, 172, 372 2, 187, 579 396, 800	South Dakota	37, 098	65, 776 8, 040	OTHER POULTRY		.,,
North DakotaOhio	1, 525, 935 4, 590, 091	396, 800 1, 316, 449	l	264, 886	70, 819	United States	2,781,000	054, 084
Oklahoma Oregon	10 794 310	3, 278, 708 1, 355, 454 1, 979, 287	Other States (Fla., Idaho, Miss., N. Dak., Okla., Oreg., Pa., R. I., Utah, Wash., Wis.)			California Indiana	140,922	78, 720 45, 894
Oregon South Dakota Tennessee Texas	17 330 370	1 2.022.001 1	Wash., Wis.)	158, 245	41, 866	Iowa Kansas	400, 462 26, 398	06, 028 7, 416
Washington Wisconsin	6, 592, 298 4, 270, 377	4, 593, 441 1, 665, 306 1, 104, 807	United States	31, 427, 113	9, 908, 921	Kansas Minnesota Missouri Ohio South Dakota	605, 108 402, 692 80, 952	134, 045 93, 982 23, 225
Other States (Colo., Fla.,			Oalifornia	1, 890, 177	688, 759			17, 130
Other States (Colo., Fla., Ga., Idaho, Ky., Md., Miss., N. J., N. C., Pa., R. I., Utah, Va.)	8, 779, 164	2, 503, 089	Illinois Indiana Lowa	32,002 535,588 100,803	14, 192 179, 652	Other States (Fla., Idaho, Ill., Md., Mich., Nebr.,		
DUCKS		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Kansas Maryland	1, 131, 872 261, 718	36, 280 385, 298 113, 648	Other States (Fla., Idaho, Ill., Md., Mich., Nebr., N. J., N. Dak., Okla., Oreg., Tenn., Tex., Utah, Wash., Wis.)	764, 487	158, 531
United States		1, 885, 853	lowa. Kansas. Maryland. Michigan Minnesota Missouri Nobraska. New York North Dakota.	293, 679 1, 531, 008	113, 447 450, 510	POULTRY NOT REPORTED	102,201	1001 001
California Illinois	505, 670 280, 661	150, 893 78, 205	Nebraska New York	1,063,210 124,757 288,841	345, 447 42, 432 91, 005	AS TO KIND OR QUAN-	1	
Indiana Iowa		136, 262 120, 518	North Dakota Ohio	945, 957 293, 835	295, 058 96, 481	Total value		16, 191, 829

TABLE 4.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929 1

		. •	10)29	PER CENT DISTRIBU-			1929	PER CENT DISTRIBU-
	TYPE		Num- bor	Capacity	TION OF RATED HORSE- POWER CAPACITY, 1929	TYPE	Num- ber	Capacity	TION OF RATED HORSE- POWER CAPACITY, 1929
Prime movers as	nd electric motors o	driven by pur-	1, 888	Horse- power 13, 500	100. 0	Electric motors, total	1, 890	Horse- power 11, 161	100.0
Prime mover	s, total		71	2, 464	18.3	Driven by purchased energy.	1,817	11, 036	98.0
Steam en	gines		42	1, 741	12.9	Driven by energy generated in establishments reporting	82	125	1,1
Internal-	combustion engines.		20	723	5, 4	Electric generators	0	Kilowatts 227	
Electric moto	ors driven by purch	used energy	1, 817	11, 036	81.7	Electric energy purchased 2		Kilowatt- hours 15, 768, 240	

TABLE 5.-WAGE EARNERS, BY MONTHS, BY STATES: 1929 1

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average number			NUMBER	EMPLOYED	ON 18TH	DAY OF MC	NTH OR N	earest Ri	CPRESENTA	TIVE DAY	,		Per
STATE	employed during year		February	March	April	May	Juno	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
United States	7, 769	5, 677	5,156	5, 257	5, 875	6, 521	7, 357	7, 912	8, 514	0,085	0,858	11, 272	10,750	45. 7
California Florida Flo	10 742 384 1, 438 32 140 550 607 351 18 200 83 114 262 78 125	226 21 504 201 1,030 52 82 115 302 535 307 18 105 21 91 91 922 65 80 93 500 44 37	243 21 477 215 095 508 52 122 253 344 286 18 200 15 83 255 07 71 87 508	240 21 408 814 601 504 52 117 828 410 878 18 207 14 273 605 65 20	280 21 506 273 803 702 32 115 311 4005 202 18 180 17 76 301 74 100 94 460 81 39	330 18 604 307 937 808 82 123 360 520 18 204 26 76 76 77 76 200 87 98 107 502 144 53	\$00 17 602 386 1, 107 38 120 454 507 334 18 203 24 100 280 600 138 119 500 500 500	307 16 710 445 1,858 852 128 609 723 335 18 218 229 122 223 04 120 120 120 5527 238 84	818 10 833 457 1, 834 953 568 772 300 18 36 110 270 03 122 123 153 170 03	284 18 032 508 1,816 070 52 148 18 819 93 65 130 252 93 160 136 472 272 117	276 20 909 520 2,288 988 913 810 454 18 207 68 152 230 74 77 130 5117 89 100	309 22 1, 109 641 2, 441 2, 441 2, 441 189 967 750 423 18 209 50 171 326 05 142 1, 498 78 192	320 20 1, 017 478 2, 440 94 186 977 667 304 18 200 200 67 159 200 64 178 112 1, 323 70 102	61. 2 72. 7 48. 3 38. 6 28. 2 61. 4 94. 1 60. 8 22. 8 40. 1 61. 2 20. 0 44. 4 88. 3 50. 2 31. 0 17. 8 22. 1

¹ No comparable figures for earlier years.

¹ No comparable data for earlier years.
¹ This itam covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.

RICE CLEANING AND POLISHING

Description of the industry.—The establishments classified in this industry are those engaged in cleaning and polishing rice after it comes from the thresher. The rough rice is cleaned, the outer shell or hull and the inner cuticle or bran are removed, and the grain | last step in the scouring process.

is scoured, polished, and graded, and in most cases given a coat of glucose and talc. The lustrous appearance of the finished product is imparted by the coating, not by the polishing, which is really only the

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products 1	Value added by manufacture ²	Horsepower
1920 1027 1925 1923 1921 1910 1914 1000 1904 1800	71 74 80	1, 589 1, 624 1, 296 1, 704 1, 040 2, 113 1, 283 1, 230 1, 492 651	\$1, 448, 594 1, 546, 316 1, 998, 124 1, 378, 899 1, 706, 986 1, 932, 196 645, 863 563, 538 640, 632 205, 585	\$38, 443, 529 40, 480, 679 45, 847, 273 40, 212, 070 34, 178, 609 76, 633, 810 20, 615, 800 19, 501, 080 13, 315, 065 7, 575, 522	53, 497, 857 47, 008, 240 41, 213, 472 00, 038, 412 23, 030, 294 22, 371, 467 16, 296, 910 8, 723, 726	\$10, 350, 248 7, 648, 907 7, 650, 684 6, 855, 670 7, 634, 803 13, 404, 506 2, 422, 434 2, 870, 377 2, 981, 851 1, 148, 204	22, 901 23, 012 21, 906 22, 220 (3) 25, 340 15, 571 19, 519 15, 806 7, 546
			PER CEI	NT OF INCREASE OR	DECREASE (-)		
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921 1919-1929 1900-1919 1899-1909		4. 3 17. 6 -26. 5 -9. 1 -8. 2 -24. 8 70. 5 90. 3	-6.3 40.8 -20.4 -10.2 -11.7 -25.0 242.9 112.2	-17.3 1.4 14.0 17.7 -56.4 -40.8 203.0 157.4	-0.0 1.2 13.7 14.2 -64.2 -45.8 302.5 156.4	35. 3 (*) 11. 6 -2. 5 -47. 5 -22. 8 307. 0 150. 0	-0.5 5.0 -1.4 -0.6 20.8 158.7

1 For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
3 Not called for on schedule.
4 Per cent not computed where base is less than 100.
5 Less than one-tenth of 1 per cent decrease.

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num-		Wage earners	HORSEP CAPAC EQUIP	ITY) OF	(RATED POWER			FOR PRO	PERIALS, CON DUCTS, FUE ED ELECTRIC	L, AND		Value
STATE	Census year	estab- officers and and employ-		(aver- age for the year)	Total	Prime movers Durchased energy			Wages	Total	Materials and con- tainers	Fuel and pur- chased energy	Value of products 2	added by manufac- ture s
United States	1029	60	527	1, 589	22,901	14,870	8,031	\$1,209,394	\$1,448,504	\$38, 443, 529	\$38, 221, 284	\$222, 245	\$48, 703, 777	\$10, 350, 248
	1927	60	622	1, 524	23,012	16,182	6,830	1,205,487	1,546,315	46, 480, 679	46, 265, 567	215, 112	54, 120, 646	7, 648, 967
	1919	86	1,096	2, 113	4 25,340	19,578	5,762	1,508,040	1,932,196	76, 633, 816	76, 335, 172	298, 644	90, 038, 412	13, 404, 596
California	1929	11	39	209	4,753	300	4, 453	109, 046	300, 170	6,321,290	6, 253, 756	67, 540	8,024,130	1,702,834
	1927	11	62	262	4,361	500	3, 861	148, 576	367, 050	9,518,252	9, 443, 646	74, 606	11,218,339	1,700,097
	1919	14	97	337	4,698	850	3, 848	240, 621	499, 743	17,169,245	17, 094, 978	74, 207	20,264,203	3,005,018
Louisiana	1929	28	250	775	7, 821	7, 223	598	582,641	572, 248	17,070,007	17,010,801	59, 205	21,589,613	4, 519, 546
	1927	26	278	528	8, 076	7, 309	767	517,960	556, 045	18,073,184	17,002,676	80, 508	20,753,271	2, 680, 087
	1919	46	745	1,121	12, 562	10, 115	2, 447	737,980	803, 408	36,017,410	35,896,591	120, 819	41,220,471	5, 203, 061
Texas	1929	12	107	353	5, 090	3, 524	1,566	288, 302	331, 178	8,351,117	8,284,960	06, 157	10, 302, 976	1,951,859
	1927	14	127	329	5, 889	4, 495	1,894	260, 071	328, 658	8,787,366	8,757,994	29, 372	10, 117, 249	1,329,883
	1919	14	180	423	7, 998	6, 523	1,475	366, 174	414, 116	13,800,430	13,721,600	87, 824	17, 900, 547	4,091,117
Other States	8 1929 6 1927 7 1919	9 9 12	181 155 74	252 405 232	5, 237 4, 686 2, 124	3,823 3,878 2,090	1,414 808 34	229, 405 278, 880 164, 165	244, 998 294, 562 214, 929	6,701,049 10,101,877 9,637,731	6,671,767 10,071,251 9,621,997	29, 282 30, 626 15, 784		2, 176, 009 1, 938, 910 1, 915, 400

¹ Not including proprietors and firm members, as follows: For 1929, 25; 1927, 19; 1919, 40. The total numbers of persons engaged—proprietors and firm members, salaried officers, and employees, and wage earners—as reported for the industry, are as follows: For 1929, 2,141; 1927, 2,165; 1919, 3,249.

1 For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

1 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

1 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919 but not in the United States

als, § Arkansas, 8 establishments; Tennessee, 1. § Arkansas, 7 establishments; Georgia, 1; Tennessee, 1. § Arkansas, 5 establishments; South Carolina, 1; Tennessee, 1; Washington, 5.

RICE CLEANING AND POLISHING

TABLE 3.-PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1923 TO 1929

[The figures for 1929 refer to sales (shipments or deliverles) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products]

	1929	1927	1995	1923		1929	1927	1925	1923
Products, total value.	\$48, 793, 777	\$54, 129, 646	\$53, 497, 857	\$47, 068, 246	Olean rice—Continued. Screenings—			•	
Clean rice: Total pounds Total value	1, 243, 071, 233 \$46, 087, 526	1, 246, 642, 941 \$51, 827, 572	947, 787, 200 \$51, 112, 850	1, 171, 633, 833 \$44, 798, 516	Pounds Value	118, 060, 700 \$3, 001, 331	140, 512, 403 \$3, 578, 522	121, 888, 074 \$3, 997, 957	155, 777, 486 \$3, 367, 659
Whole-grain grades—			<u> </u>		Pounds Value	45, 730, 297 \$1, 322, 627	43, 944, 990 \$817, 905	43, 494, 993 \$933, 948	52, 716, 125 \$819, 742
Total pounds Total value	1, 006, 259, 760 \$39, 560, 579	1, 005, 153, 283 \$45, 823, 534	732, 632, 610 \$44, 172, 121	913, 153, 380 \$39, 150, 924	Polish: Pounds	34, 375, 446	34, 625, 646	32, 735, 250	89, 939, 217
Polished— Pounds Value	985, 516, 604 \$38, 803, 911	929, 332, 075 \$42, 648, 609	8	(1)	Value Bran: Pounds	\$513, 427 143, 381, 236	\$451, 956 140, 037, 375	\$501,728 114,926,144	\$535, 048 146, 803, 053
Brown— Pounds Value	20, 743, 156 \$756, 668	75, 821, 208 \$3, 174, 925	(1) (1)	(1)	Other products, value	\$1, 653, 025 \$539, 799	\$1, 151, 827 \$608, 291	\$1, 321, 057 \$502, 222	\$1,278,000 \$455,602
Second-head— Pounds Value	73, 020, 377 \$2, 202, 989	57, 032, 205 \$1, 607, 611	49, 771, 613 \$2, 008, 824	49, 986, 842 \$1, 451, 191	A. M.			, r	era un interes

¹ Data incomplete.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1923 TO 1929

[The figures refer to sales (shipments or deliveries) by manufacturers. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments]

PRODUCT AND CENSUS YEAR	United States	Callfornia	Louislana	Texas	Other States 1
Number of establishments: 1929 1927 1925 1923.	00 00 03	11 11 13 13 15	28 20 20 32	12 14 12 14	9 9 9 8
Products, total value: 1929. 1927. 1925. 1923.	. 1 04, 120, 040	\$8, 024, 130 11, 218, 330 8, 502, 328 8, 408, 587	\$21, 580, 013 20, 763, 271 23, 554, 900 10, 244, 013	\$10, 302, 070 10, 117, 240 10, 901, 357 10, 625, 407	\$8, 877, 058 12, 040, 787 10, 440, 260 8, 730, 149
Clean rice: Pounds— 1920 1927 1925 1928	1, 240, 642, 941 947, 787, 290	204, 115, 075 244, 917, 080 142, 778, 154 200, 182, 381	544, 708, 583 477, 200, 332 421, 120, 614 480, 635, 220	250, 776, 886 220, 308, 422 103, 016, 060 255, 932, 642	237, 470, 680 304, 118, 101 180, 002, 862 225, 883, 500
Value— 1029 1027 1025 1025 Polish:	51, 827, 572 51, 112, 850	\$7, 401, 006 10, 649, 300 8, 108, 061 8, 054, 026	\$20, 541, 340 10, 922, 824 22, 405, 900 18, 307, 214	\$0, 070, 200 0, 070, 408 10, 380, 805 10, 084, 245	\$8, 383, 072 11, 576, 040 10, 118, 038 8, 353, 031
Pounds— 1029 1027 1025 1028 Value—	34, 025, 040 32, 735, 250	6, 790, 003 6, 077, 237 4, 258, 025 3, 932, 377	14, 328, 338 13, 478, 925 15, 370, 223 16, 452, 978	7, 585, 670 7, 063, 693 6, 469, 070 10, 944, 660	5, 721, 435 8, 005, 791 0, 031, 932 8, 609, 202
1020 1027 1025 1028	451, 050 501, 728	\$03, 370 85, 402 63, 626 55, 200	\$212, 252 182, 503 244, 170 214, 040	\$120, 300 89, 578 97, 722 160, 018	\$87, 496 94, 473 96, 210 104, 581
Pounds— 1920 1927 1925 1925	140, 037, 376 114, 928, 144 140, 303, 053	21, 085, 049 20, 869, 915 14, 808, 072 16, 395, 847	02, 438, 824 55, 995, 350 55, 031, 383 05, 497, 958	33, 159, 006 27, 070, 746 25, 394, 463 38, 696, 153	20, 698, 357 86, 502, 364 10, 602, 226 25, 713, 095
Value— 1929— 1927— 1928— 1928 Other products, value:	1, 151, 827 1, 321, 057 1, 278, 990	\$254, 200 166, 135 140, 303 120, 417	\$710, 717 475, 504 052, 172 587, 558	\$869, 814 220, 082 301, 572 824, 851	217, 020 237, 164
1929. 1927. 1925. 1928.	- 698, 201 562, 222	\$184,486 317,502 270,358 220,035	\$125, 295 172, 440 102, 598 134, 601	\$142, 653 128, 181 112, 168 55, 783	\$87, 365 80, 108 17, 008 35, 373

¹ For 1929: Arkansas, 8 establishments; Tennessee, 1. For 1927: Arkansas, 7 establishments; Georgia, 1; Tennessee, 1. For 1923: Arkansas, 7 establishments; Georgia, 1; Tennessee, 1. For 1923: Arkansas, 6 establishments; Georgia, 1; Tennessee, 1.

TABLE 5.—PRODUCTS OF MERCHANT AND OF CUSTOM MILLING, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1929 AND 1927

[The figures for 1920 refer to sales (shipments or deliverles) by manufacturers; those for 1927 represent production. See General Explanations—Value of Products]

	тот	AL	MERCHÁN	r Milling	CUSTOM MILLING		
KIND	1929	1927	1929	1927	1929	1927	
Products, total value	\$48, 793, 777	\$54, 129, 646	\$47, 484, 570	\$49, 720, 850	\$1, 309, 207	\$4, 402, 796	
Clean rice: Pounds. Value. Polish: Pounds. Value.	1, 243, 071, 233 \$46, 087, 526 34, 375, 446 \$513, 427	1, 246, 642, 941 \$51, 827, 572 34, 625, 646 \$451, 956	1, 208, 294, 436 \$44, 828, 904 33, 480, 870 \$500, 118	1, 145, 379, 528 \$47, 508, 867 33, 145, 011 \$430, 280	84, 776, 707 \$1, 260, 532 894, 576 \$13, 309	101, 263, 413 \$4, 320, 705 1, 480, 635 \$21, 676	
Bran: Pounds. Value Other products, value	143, 381, 236 \$1, 653, 025 \$539, 799	140, 037, 375 \$1, 151, 827 \$698, 291	140, 570, 726 \$1, 018, 965 \$538, 493	133, 857, 591 \$1, 094, 468 \$695, 235	2, 810, 510 \$34, 060 \$1, 306	8, 179, 784 \$57, 350 \$3, 050	

TABLE 6.—RICE MILLED, BY TYPE AND QUANTITY: 1929 AND 1927

[Bushel, 45 pounds]

TYPE	1929	1927	TYPE	1929	1927
Total	38, 888, 044		Rough rice, domestic—Continued, Short-grain rice—Continued, Early prolific. Other short-grain rice.	6, 489, 947 775, 703	7, 110, 508 806, 098
Long-grain rice (Honduras, Edith, etc.)	6, 003, 046 24, 060, 877	7, 027, 398 27, 381, 729		8, 090, 092	8,004,056
Blue rose	16,705,227	19, 465, 123	Rough rice, foreign	134, 020	142, 609

TABLE 7.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

	ТҮРЕ			1929		927	19	25	1919		1914		PER CENT DISTRI- BUTION OF RATED HORSEPOWER CAPACITY	
The system of th			Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- lty	Num- ber	Capac- ity	1929	1919
Prime mover		lriven by purchased	403	Horse- power 22, 901	334	Horse- power 23, 012	344	Horse- power 21, 906	303	Horse- power 25, 340	120	Horse- power 15, 571	100.0	100.0
Prime mo	vers, total		60	14,870	63	16, 182	73	15, 373	115	19, 578	71	14, 000	04. 0	77.3
Stean	a, total		56	14, 500	61	15, 972	70	15, 252	94	18,881	68	13, 927	63. 3	74 5
T	ingines		54 2	14, 140 360	58 3	15, 742 230	06 4	14, 932 320	90 4	18,821 60	(1)	(1)	01.7 1.6	74.3
Inter	nal-combustion engines	3	4	370	2	210	3	121	21	697	3	82	1.0	2.8
Electric n	notors driven by purch	ased energy	348	8, 031	271	6,830	271	6, 533	188	5, 762	49	1, 562	35. 1	22.7
Electric moto	ors, total		383	8, 460	311	7,312	810	7, 188	255	6, 687	74	1,070	100.0	100.0
Driven by Driven by	y purchased energy y energy generated in cs	tablishments reporting.	343 40	8, 031 438	271 40	6,830 482	271 80	6, 533 655	188 67	5, 762 875	49 25	1, 562 408	94.8 5.2	86 8 13 2
Electric gener	rators	************	20	Kilowalis 1,076	26	Kilo- watts 901	28	Kilo- watts 1,039	(2)	(2)	(2)	(2)	V-	
				Kilowait- hours 6, 525, 615		(9)		(4)		(2)		(2)	*********	

Not called for saparately on schedule.
 Not called for on schedule.
 This them covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

Table 8.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average		NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY											
State	number employed during year	1	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	cent mini- mum is of max- imum
United States: 1920	1, 589	1, 723	1, 738	1, 527	1, 314	1, 271	1, 121	1, 163	1, 259	1, 714	2, 801	2, 083	1, 854	48. 7
	1, 296	1, 726	1, 302	808	063	550	001	420	808	1, 576	2, 197	2, 479	2, 337	10. 0
	2, 113	8, 041	2, 423	1, 704	1, 470	1, 452	1, 243	954	1, 149	2, 220	2, 840	3, 354	3, 410	28. 0
	1, 253	1, 758	1, 690	1, 342	1, 175	819	344	332	608	1, 567	1, 701	1, 852	1, 848	17. 0
	1, 239	1, 513	1, 433	1, 240	990	642	437	436	722	1, 750	2, 017	1, 982	1, 753	21. 0
California	209	186	210	247	216	200	223	222	235	200	206	180	185	72. 9
Louisiana	775	850	852	690	583	636	403	506	577	847	1,263	1, 080	916	89. 0
Texas	353	409	874	326	301	260	255	238	200	451	486	449	434	48. 4

SAUSAGE, MEAT PUDDINGS, HEADCHEESE, ETC., AND SAUSAGE **CASINGS**

Description of the industry.—The establishments classified in this industry are those engaged primarily in the manufacture of sausage, meat puddings, headcheese, etc., and sausage casings. Establishments which are engaged primarily in slaughtering and which also manufacture sausage, etc., are classified in the meat-packing industry, but statistics for the sausage, headcheese, sausage easings, etc., made by such establishments are included in Table 3, which shows the total production of sausage and similar products, regardless of the industry classification of the establishments in which they are manufactured.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1929 1

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products?	Value added by manufacture?	Horsepower
1929 1927 1925 1928 1921 1911 1910	681 505 480 490 513 633 533	5, 897 4, 967 4, 914 4, 592 3, 872 3, 471 2, 616	\$8, 850, 172 7, 463, 677 7, 652, 132 6, 839, 596 5, 479, 184 4, 676, 118 1, 821, 010	\$81, 371, 087 60, 215, 509 61, 497, 294 51, 033, 397 37, 441, 086 43, 940, 356 17, 925, 555	\$108, 246, 194 81, 548, 299 82, 436, 005 60, 510, 400 53, 087, 080 50, 610, 092 23, 082, 121	\$20, 874, 507 21, 332, 700 20, 938, 711 18, 477, 009 15, 645, 403 12, 600, 736 5, 156, 500	25, 755 10, 980 18, 184 17, 917 (4) 12, 671 7, 981
			PER CENT	F OF INCREASE OR D	ecrease (—)		
1027-1029 1925-1927 1023-1025 1021-1023 1010-1021 1010-1020	3. 3 -2. 0 -2. 7	18. 7 1. 1 7. 0 18. 6 11. 6 60. 0	18.6 2.5 11.9 24.8 17.1 89.1	35.1 2.1 20.5 36.3 14.8 85.2	32. 7 -1. 1 18. 6 30. 9 -6. 2 91. 2	20. 0 1. 9 13. 3 18. 1 23. 5 112. 1	28. 9 0. 9 6. 0

1 No comparable data for years prior to 1914.
2 The figures for all census years refer to production, not sales. See General Explanations—Value of Products.
3 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

· Not called for on schedule.

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

	Cen- ber of ried (av		Wage earners		OWER DITY) OF PMENT	(RATED POWER			FOR PROD	ATERIALS, CO OCTS, FUEL, LECTRIC ENE	AND PUR-		, Value	
STATE	sus	estab- lish-	officers and em- ployees	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased energy		Wages	Total	Materials and con- tainers	Fuel and purchased energy	Value of products 2	added by manufac- ture ³
United States	1929 1927 1919	681 505 633	1, 210 1, 108 819	5, 897 4, 967 3, 471	25, 755 10, 980 4 12,671	1, 499 1, 366 2, 618	24, 256 18, 614 10,053	\$3, 637, 162 2, 959, 017 1, 463, 437	\$8, 850, 172 7, 463, 677 4, 679, 118	\$81, 371, 687 60, 215, 599 43, 940, 356	\$80, 231, 376 59, 281, 495 43, 410, 690	\$1, 140, 311 934, 104 529, 666	\$108, 246, 194 81, 548, 299 56, 610, 092	\$20, 874, 507 21, 332, 700 12, 600, 736
Individual States: Alabama	1929	4	10	20	96		96	10,690	25,642	205, 975	293, 594	2, 381	376, 432	79, 457
California	1929 1927 1919	68 44 39	45 60 32	275 315 174	1,066 901 485	21 142 100	1, 045 759 385	130, 580 113, 462 39, 001	410, 874 503, 013 229, 654	2, 958, 105 2, 157, 469 1, 847, 056	2, 916, 622 2, 120, 475 1, 325, 661	41, 483 36, 994 21, 395	4, 282, 271 3, 516, 342 1, 806, 276	1,324,106 1,358,873 549,220
Connecticut	1929 1927 1919	24 15 20	35 23 23	124 118 79	669 541 410	10 32	659 541 378	78, 634 91, 913 37, 990	189, 877 175, 127 87, 802	2,097,032 1,402,241 1,068,405	2, 085, 247 1, 377, 360 1, 051, 529	31, 785 24, 875 16, 876	2, 004, 871 1, 872, 141 1, 370, 150	507, 839 469, 900 301, 751
Delaware	1929	4	2	9	46	10	36	2, 750	9,066	116, 329	115, 304	1,025	196, 880	80, 551
Florida	1920	3	3	13	67		67	4, 500	13, 100	147, 316	148, 206	4, 110	202, 953	55, 687

¹ Not including proprletors and firm members. The total numbers of persons engaged and the numbers of proprietors and firm members, as reported for this industry, are as follows: For 1920, total, 7,794; proprietors and firm members, 678. For 1927, total, 6,568; proprietors and firm members, 493. For 1919, total, 4,004; proprietors and firm members, 704.

2 The figures for all census years refer to production, not sales. See General Explanations—Value of Products.

3 Value of products less cost of materials, containers for products, finel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919 but not in the United States

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

	1		<u> </u>		····		ote at nee		=======	<u> </u>			i i	
		Num-	Sala-	Wage carners	CAPAC EQUIP	ITY) OF	POWER	+		COST OF MA	LTERIALS, CO UCTS, FUEL, LECTRIC ENE	AND PUR-		Value
STATE	Con- sus yoar	lish-	ried officers and em- ployees	(average age for the year)	Total	Primo movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tainers	Fuel and purchased energy	Value of products *	added by manufac- ture 3
Individual States—Contd. Georgia	1929 1927 1910	5 7 7	10 13 4	42 55 25	162 251 59	20	142 251 59	\$33, 960 21, 130 3, 390	\$40, 000 48, 852 29, 143	\$480, 551 460, 140 192, 113	\$478, 253 453, 818 180, 511	\$8, 298 6, 328 2, 602	\$649, 766 602, 268 250, 274	\$163, 215 142, 122 58, 161
Illinois	1929 1927 1919	68 60	203 236 120	1, 136 1, 053 796	3, 518 2, 931	280 00	3, 238 2, 871	744, 830 770, 693 271, 006	1, 000, 417 1, 552, 474 1, 177, 295	14, 251, 203 12, 768, 125 7, 512, 852	14, 003, 857 12, 014, 625 7, 433, 079	157, 346 153, 500 78, 873	19, 352, 401 17, 735, 913 10, 063, 809	5, 101, 288 4, 967, 788 2, 551, 047
Indiana	1020	54 10	17	66	1, 470 549	116	1, 354 549	56, 217	87,600	1,060,383	1, 050, 809	15, 514	1, 377, 871	311, 488
Iowa	1929 1927 1919	7 0	6 7 18	89 95. 63	250 238 92	10 6	240 232 92	20, 255 21, 097 24, 732	107, 900 117, 005 73, 257	404, 536 407, 842 308, 018	457, 966 460, 507 364, 175	6, 570 7, 275 3, 843	756, 401 775, 355 502, 826	201, 805 307, 513 134, 808
Kansas	1929 1927	4 5	4 4	63 50	102 202		102 202	15, 220 11, 702	72, 719 67, 664	346, 732 306, 344	330, 874 388, 350	0, 858 7, 994	524, 478 528, 203	177, 746 131, 919
Louisiana	1020 1027 1010	8 5 8	26 5 4	53 26 26	347 198 340	54	293 198 349	64, 300 9, 433 5, 900	56, 336 29, 783 27, 811	762, 192 415, 171 231, 802	748, 614 406, 080 226, 138	13, 578 0, 082 5, 664	1, 004, 809 552, 225 324, 638	242, 017 137, 054 02, 836
Maine	1020 1027 1010	10 8 0	11 10 11	55 44 20	357 260 280	75	857 260 205	30, 246 28, 940 14, 439	04, 824 58, 912 23, 950	033, 150 428, 904 213, 547	021, 277 417, 639 206, 160	1 '	924, 763 610, 837 300, 807	291, 013 181, 933 87, 350
Maryland	1020 1027 1010	18 18 25	12 33 39	74 210 101	400 828 577	90 121	466 738 456	27, 949 81, 096 42, 273	115, 691 267, 920 105, 937	1, 379, 347 2, 362, 663 1, 427, 813	1, 358, 194 2, 320, 420 1, 410, 405	21, 153 33, 243	1, 890, 200 3, 020, 050 1, 788, 048	519, 859 657, 396 360, 835
Massachusetts	1929 1927 1919	00 57 56	101 83 81	485 444 306	2, 114 1, 661 1, 151	50 50 77	2, 064 1, 611 1, 074	243, 703 186, 805 123, 971	732, 066 062, 712 307, 346	5, 542, 180 4, 818, 241 4, 222, 572	5, 444, 851 4, 734, 634 4, 166, 988	97, 320 83, 607	7, 248, 411 6, 538, 058 5, 298, 358	1,700,231 1,710,814 1,073,784
Michigan	1929 1927 1910	49 26 29	120 88 87	645 375 159	3, 101 1, 660 770	45 20 148	3, 116 1, 646 628	340, 383 231, 494 64, 704	1	0, 035, 375 4, 000, 750 2, 313, 434	0, 507, 870 4, 920, 091 2, 283, 468	1 '	12, 564, 675 6, 556, 225 2, 030, 736	2, 929, 300 1, 556, 475 617, 302
Minnesota	1929 1927 1919	16 13 11	34 20 15	132 109 33	800 514 155		800 514 155	99, 178 76, 508 13, 525	189, 769 185, 650 44, 224	1, 805, 590	1, 856, 640 1, 412, 000 388, 000	38, 950 33, 474	2, 493, 553 1, 930, 003 558, 309	1
Missouri	1929 1027 1919	11 0 13	18 21 10	100 81 71	334 263 247	23	311 263 166	56, 215 55, 300 27, 763	134, 207 125, 155 75, 132	1, 103, 375 761, 603 647, 607	1, 172, 354 733, 754 633, 420	1	1, 071, 797 1, 211, 769 800, 714	3
New Jersey	1020 1027 1010	29 26 38	75 68 27	252 228 201	1, 206 1, 525 685	305	1, 266 1, 220 508	200, 445 190, 604 04, 582	442, 740 423, 714 202, 274	4, 413, 800 4, 534, 717 3, 232, 300	4, 347, 900 4, 468, 220 3, 108, 192	05, 807	5, 777, 560 5, 740, 837 4, 058, 478	1, 303, 754 1, 206, 120 826, 088
New York	1020 1027 1919	114 75 157	116 93 129	616 432 513	3,005 1,931 2,173	85 39 415	2, 920 1, 892 1, 758	301, 548 202, 607 260, 784	1, 019, 460 672, 970 732, 959	10, 423, 838 0, 468, 240 7, 511, 955	10, 256, 309 6, 370, 679 7, 415, 317		13, 506, 415 8, 402, 360 0, 687, 013	3, 082, 577 1, 934, 120 2, 175, 958
North Carolina	1020	9	5	32	96		. 00	8, 700	25, 600	438, 458	434, 818	3, 640	580, 543	142, 085
Oblo	1920 1927 1910		112 117 00	436 450 269	2, 163 1, 803 1, 270	75 185 333	2,088 1,708 946	382, 220 358, 760 187, 092	724, 084 755, 221 426, 305	0, 530, 313 5, 617, 603 4, 107, 144	6, 464, 646 5, 541, 291 4, 160, 569	76, 372	8, 730, 536 7, 607, 916 5, 351, 530	2, 197, 223 1, 090, 253 1, 157, 386
Oklahoma	1020	1 '		10.	86		- 80			149, 210	142, 427	6, 783	210, 250	61, 046
OregonPennsylvania	1929	Į.	64	4	1.409	285	104 1, 124	8, 990 167, 924	34, 535 567, 621	258, 868 6, 250, 738 3, 000, 834	248, 776 6, 195, 828	E . 1 .	347, 405 7, 878, 302	93, 542 1, 618, 564
	1927 1919	10 28	64 36 42	.1	1, 409 851 735	125 304	720 431	64, 153 85, 632	204, 808 190, 423	3, 096, 659	8, 195, 828 2, 973, 352 3, 072, 831		7, 878, 302 3, 000, 100 3, 688, 188	1, 618, 504 590, 766 591, 529
Rhode Island	1920 1927 1919	12	20 18 14	57 50 68	273 201 273	20 30 134	253 261 139	42, 656 36, 226 21, 311	1	1, 171, 539 864, 873 1, 625, 504	1, 159, 761 852, 874 1, 615, 431	11, 778 11, 990 10, 133	1, 510, 003 1, 154, 802 1, 870, 707	338, 554 290, 019 245, 233
Texas	1920 1927 1919	' l 5		77 24 12	403 132 41	200	132	34, 411 10, 600 4, 688	76, 490 26, 462 11, 152	1, 047, 516 238, 375 130, 455	1, 037, 527 233, 763 129, 252	0, 989 4, 612 1, 203	1, 371, 826 322, 626 171, 715	824, 310 84, 251 41, 260
Washington	1920 1927 1919	9		31 31 0	170 186 37		170 186 37	30, 900 20, 891 390	61, 697 57, 115 11, 990	530, 960 350, 321 87, 380	524,000 339,101 80,850	11, 160	690, 752 463, 919 134, 188	159, 792 113, 598 46, 808
Wisconsin	1029 1027 1019	32	118	415 368 244	1, 939 1, 766 887	311 203 466	1,473	333, 408 285, 271 133, 411	640, 833 582, 303 288, 078	4, 995, 401 4, 282, 007 3, 040, 541	4, 913, 044 4, 208, 841 3, 000, 841	82, 360 75, 866 40, 200	6, 793, 117 5, 959, 041 4, 024, 463	1, 707, 713 1, 677, 034 083, 922
Groups of States: Ark., 1 est.; Miss., 2; Tenn., 6						400	248	22, 831			355, 582 557, 864		479, 692	113, 474 200, 007
Tonn., 6 D. C., 2 est.; N. H., 5 Mont., 1 est.; Nebr., 4; S. Dak., 1; Utah, 2	1929	7	15	Ī	248 185 205			51, 857 16, 494	69, 020	n	557, 864 928, 194	1	768, 598 1, 374, 471	200, 007 432, 615
States not shown sepa- rately	\$1927 \$1910	32	4 -		951 552	21 30	1	74, 543 36, 853	298, 354	li .	1, 920, 680 1, 051, 573	1	2, 841, 144 1, 470, 031	875, 057 396, 196
	1	1		1	11	,11		11	<u> </u>	11	11	1	11	1

⁴ Alabama, 2 establishments; Colorado, 1; Delaware, 1; District of Columbia, 3; Florida, 1; Indiana, 3; Montana, 1; Nebraska, 3; New Hampshire, 4; North Carolina, 3; Oklahoma, 1; Oregon, 2; South Dakota, 1; Tennessee, 5; Virginia, 1.

⁶ Alabama, 1 establishment; Arkansas, 1; Colorado, 1; Delaware, 1; District of Columbia, 1; Indiana, 2; Kansas, 1; Kentucky, 2; Nebraska, 3; Nevada, 1; New Hampshire, 11; North Carolina, 2; Oregon, 1; South Carolina, 6; South Dakota, 1; Tennessee, 6; Vermont, 2; Virginia, 2; Wyoming, 1.

Table 3.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1929

[The figures refer to production, not sales. See General Explanations—Value of Products]

PRODUCTS	Pounds	Value	PRODUCTS	Pounds	Value
2. Sausage, neat puddings, headcheese, etc., and		\$108, 246, 194	Sausage, meat puddings, headcheese, etc., and sausage casings—Continued. Sausage casings, total	176, 198, 403 54, 191, 886	\$32, 616, 034 10, 468, 686
3. Other products (not normally belonging to this industry). 4. Sausage, meat puddings, headcheese, etc., and sausage casings made as secondary products in meatpacking and other industries, value		10, 165, 310 225, 014, 616	Made in sausage, meat-puddings, head- choese, etc., and sausage-casings industry Made in meat-packing industry	11, 313, 736 42, 878, 150 49, 893, 246	2, 401, 605 8, 067, 081 9, 307, 485
Sausage, meat puddings, headcheese, etc., and sausage casings, all industries: Aggregate value (sum of 2 and 4)	1, 313, 039, 530	323, 095, 500 200, 479, 466	Made in sausage, meat-puddings, head- cheese, etc., and sausage-easings industry Made in meat-packing industry	24, 021, 826 25, 271, 420	4, 182, 850 5, 124, 635
Fresh sausage, ment puddings, headcheese, etc., total Made in sausage, ment-puddings, head- dlesse, etc., and sausage-casings industry	1, 184, 210, 226	252, 117, 241 78, 251, 181	Hog easings, total	72, 113, 271 21, 925, 497 48, 212, 414 1, 975, 360	12, 839, 863 3, 788, 986 8, 655, 809 305, 009
Made in meat-packing industry Made as secondary products in other industries Dry sausage, total Made in sausage, meat-puddings, head-		1, 149, 019 38, 362, 225	dustries	1, 970, 000	300, 40
chose, etc., and sausage-easings industry Made in meat-packing industry	31, 474, 041 97, 355, 263	9, 456, 262 28, 905, 963			

¹ No comparable data for earlier years.
2 See Table 4 of the report on meat packing.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1929

[The figures refer to production, not sales. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments. Certain of the "Other States," however, reported larger production than some of the States shown separately]

KIND AND STATE	Pounds	Value	KIND AND STATE	Pounds	Value	KIND AND STATE	Pounds	Value
FRESH SAUSAGE, MEAT PUDDINGS, HEAD-			FRESH SAUSAGE, MEAT PUDDINGS, HEAD- CHEESE, SCRAPPLE,			SAUSAGE CASINGS United States	176, 198, 403	\$32, 616, 034
CHEESE, SCRAPPLE, ETC.		;.	Erc.—continued			Individual States:		
United States	1, 184, 210, 220	\$202, 117, 241	Individual States-Con.			California	10, 147, 030 740, 140	1, 086, 686 138, 617
Individual States:	4 004 450	716, 122	Washington	13, 191, 114 40, 091, 740	\$2, 620, 231 8, 876, 387	Colorado	72, 821, 396 3, 211, 895	14, 078, 025 506, 726
AlabamaArkansas	044.307	170 515 1	Other States (Ariz.,	20,001,110	2,010,001	IllinoisIndianaIowa	3, 211, 895	500, 726
California	1 20 883 108	7, 704, 133	Miss., Nev., N. Dak.,			Kansas	9, 754, 203 11, 505, 108	1, 629, 449 1, 871, 840 12, 767
Connecticut	13, 142, 488 13, 310, 219	7, 704, 133 2, 500, 084 2, 981, 649	Wisconsin Other States (Ariz., Miss., Nev., N. Dak., S. C., S. Dak., W. Va., Wyo.)	18, 506, 443	3, 829, 102	Kentucky	60, 923	12,767 41,202
Delaware District of Columbia	4,988,737	1, 046, 219 2, 119, 276	DRY SAUSAGE		·	Louisiana	230, 879 160, 158	27, 636
District of Columbia.	8, 541, 157 2, 279, 351	457, 780 !				Louislana Maino Maryland Massachusetts Michigan Minnesota Missouri Montana Nebraska New Jersey New York North Dakota Ohio Oklahoma Oregon	1, 701, 525	204, 162
GeorgiaIdaho	10, 204, 605	1, 882, 203	United States	128, 829, 304	38, 362, 225	Massachusetts	2, 584, 833 2, 544, 576	492, 927 489, 344
IdahoIllinois	1,010,640 173,150,160	177, 081 36, 088, 370	Individual States:			Minnesota	7, 033, 203	1, 279, 687 989, 792
IndianaIowa	31, 899, 483	6, 076, 827	California	2, 435, 450 35, 435, 580	826, 974 12, 162, 603	Missouri	5, 034, 156 90, 848	10, 797
Iowa	41, 564, 967 45, 434, 064	8, 304, 208 8, 032, 910	IllinoisIowa	2 038 832 1	548, 060 1, 470, 734	Nebraska	10, 767, 010	1, 921, 389
Kansas Kentucky	9, 761, 927	1,870,540 1,087,371	17 oneng	4 560 604	1, 470, 734	New Jersey	2, 150, 632 17, 768, 515	288, 677 3, 288, 795
Louislana Maine	5,782,577 5,484,715	1,087,371	KentuckyLouislanaMarylandMassachusetts	527, 916	186, 560 95, 401	North Carolina	274, 400	31,450
Maryland Massachusetts	5, 484, 715 27, 306, 429	6, 092, 436	Maryland	1, 362, 505 1, 431, 642 3, 762, 910	337, 052	North Dakota	470, 828 2, 058, 651	77, 454 604, 781
Massachusetts	64, 425, 325 69, 454, 545	14, 295, 212	Massachusetts	3, 762, 910	490, 868 1, 197, 982	Oklahoma	1, 106, 551	185, 508
Michigan Minnesota	42,495,128	14, 885, 478 8, 182, 144	Michigan Minnesota	9, 784, 414	1, 107, 982 2, 536, 074 202, 805	Oregon.	271, 742 1, 997, 403	56, 716 374, 278
Missouri	_ 44, 380, 690	8, 477, 113 445, 858	Missouri Nebraska	11, 704, 470	ניאו ופחני ו	OregonPennsylvania South Dakota	2, 380, 627	457, 726
Montana Nebraska	23, 333, 437	4, 236, 406 353, 567	New Jersey	2, 727, 983	839, 745 2, 090, 317 261, 730 2, 120, 487 5, 003, 717	Tennessee	181, 923	30, 875
New Hampshire New Jersey	23, 333, 437 1, 785, 281 46, 096, 167	353, 567 10, 996, 435	New Jersey New York North Carolina Ohio	5, 593, 560 1, 353, 200	2,090,317	TexasUtah	2, 555, 156 32, 280	430, 690 6, 269
New York	108, 576, 908	20, 840, 777	Ohio	9, 201, 849	2, 120, 487	Washington	393, 252	6, 269 76, 340
North Carolina	2, 713, 032	540, 791	Pennsylvania Texas.	19, 406, 715 4, 149, 513	5,003,717 839,497	Wisconsin	2, 658, 701	523, 454
OhioOklahoma	99, 380, 679 10, 201, 343	21, 940, 718 1, 883, 898	Washington	552, 842	156, 187	Ariz., Ark., Conn.,		1
Oregon.	5, 441, 801	1, 110, 748 24, 218, 603	Washington Wisconsin	4, 461, 710	1,432,068	Del.,D.C., Ga.,Idaho,		
Oregon Pennsylvania Rhode Island	104, 569, 286 5, 496, 250	24, 218, 603 1, 177, 142	Other States (Ala., Ark., Colo., Conn.,			Ariz., Ark., Conn., Del.,D.C., Ga.,Idaho, Miss., N. H., R. I., Va., W. Va., Wyo.).	1, 928, 799	842, 975
Tennessee Texas	8, 851, 117	1,610,314	D. C., Ga., Ind., Miss., Mont., N. H., Okla., Oreg, S. C., S. Dak., Va., W. Va.)	į			, ,	1 .
Texas	26, 804, 662 3, 290, 511	5, 063, 996 779, 734	Miss., Mont., N. H.,					,
UtahVirginia			Dak., Va., W. Va.)	6, 178, 029	1,546,303			

Table 5.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

түре	1	920	19	027	16	925	18	010	PER CENT BUTION O HORSEP CAPAC	F RATED OWER
	Number	Capacity	Number	Capacity	Number	Capacity	Number	Capacity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate	3, 043	Horse- power 25, 755	2, 202	IIorse- power 19, 980	1, 853	Horse- power 18, 184	1, 300	Horse- power 12,671	100.0	100.0
Prime movers, total		1, 490	38	1, 366	50	1, 558	107	2, 618	5.8	20.7
Steam, total	39	1, 435	33	1, 280	- 36	1, 322	72	2, 058	5. 6	16. 2
Engines Turbines	35 4	1, 341 94	33	1, 289	35 1	1, 252 70	70 2	2, 038 20	5. 2. 0. 4	16. 0 0. 2
Internal-combustion engines Water wheels and water turbines	4	04	5	77	13 1	229 7	35	500	0.2	4.4
Electric motors driven by purchased energy	3, 000	24, 256	2, 254	18, 614	1,803	16, 626	1, 193	10, 053	94. 2	70.3
Electric motors, total	3, 020	24, 546	2, 262	18, 814	1,812	16, 746	1, 217	10, 221	100.0	100.0
Driven by purchased energy. Driven by energy generated in establishments reporting	3, 000 20	24, 256 290	2, 254 8	18, 614 200	1, 803 9	16, 626 120	1, 193 24	10, 053 108	08. 8 1. 2	98. 4 1. 6
Electric generators.	4	Kilowatts 200 Kilowatt- hours	2	Kilowatts 150	4	Kilowatts 185	(2)	(2)	******	******
Electric energy purchased 8		22, 237, 377		(9)		(3)	.,	(3)		

Table 6.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, AND 1919, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average			NUMBER	EMPLOYET) он 15тп	DAY OF M	ONTH OR 1	ikanket n	rrnsient/	TIVE DAY			Por cent
STATE	number employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
United States: 1929 1925 1919	5, 897 4, 014 3, 471	5, 930 4, 769 3, 355	5, 905 4, 778 8, 305	5, 771 4, 786 3, 208	5,719 4,771 3,260	5, 802 4, 863 3, 207	5, 850 4, 892 3, 458	5, 906 4, 946 3, 586	5, 902 4, 900 8, 517	5, 081 4, 934 3, 513	5, 900 5, 081 8, 646	6, 005 5, 009 3, 684	6, 033 5, 141 8, 785	04. 8 02. 8 86. 1
Alabama Galifornia Connecticut Delaware Florida Georgia Illinois Indiana Iowa Kansas Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Jorsey New York North Carolina Ohio Oklahoma Oregon Pennsylvania Rhode Island Texas Washington Wisconsin	1, 136 60 60 63 53 55 74 485 645 182	24 260 124 11 13 43 1, 178 68 111 64 63 52 97 270 613 82 481 727 270 613 82 477 10 21 345 57 77 73 31	24 208 124 9 13 42 1,000 107 68 52 97 476 027 128 97 207 000 32 417 000 35 417 000 35 417 410 410 410 410 410 410 410 410	222 271 124 124 124 129 13 142 1, 114 62 61 61 61 83 477 621 628 68 68 68 68 68 283 600 68 283 418 10 21 544 557 74 31 402	22 289 123 8 13 40 1,103 8 63 62 65 65 65 66 74 13 1403	20 276 126 7 13 13 14 1, 137 80 80 63 64 478 648 133 101 1281 60 82 62 63 427 10 10 18 85 66 67 75 10 10 10 10 10 10 10 10 10 10 10 10 10	19 272 272 125 7 7 141 1,136 64 85 64 65 65 66 476 650 136 10 18 350 66 76 67 61 1413	10 276 126 1276 128 148 148 10 177 308 31 420 1420 142 142 142 142 142 142 142 142 142 142	10 277 136 7 43 1, 114 60 84 61 60 60 68 494 671 136 102 232 014 82 452 10 17 807 56 88 83 31	10 270 125 8 13 43 1, 100 67 88 69 68 498 673 131 101 242 626 626 628 440 10 10 10 10 10 10 10 10 10 10 10 10 10	7.0 282 123 11, 13 42 1,190 81 61 61 63 68 68 69 400 400 648 131 101 272 628 33 467 10 20 360 57 78 31 424	10 282 111 133 41 142 142 142 142 142 142 142 142 142	19 282 119 14 41 1,148 68 114 55 50 70 404 635 140 276 628 28 20 20 20 277 210 210 210 210 210 210 210 210 210 210	70. 2 04. 3 04. 4 63. 8 85. 7 93. 0 102. 7 86. 0 90. 2 70. 1 98. 0 90. 0 91. 0 91. 0 92. 0 93. 8 93. 0 94. 0 95. 0 96. 2 98. 2 88. 0 98. 2 98. 2 98. 2 98. 2 98. 3 98. 3 98. 3 99. 0 99. 0 90. 0

¹ No comparable data for earlier years.

No comparable data for earlier years,
 No tealled for on schedule,
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

SHORTENINGS AND VEGETABLE COOKING OILS

(NOT INCLUDING LARD)

Description of the industry.—The establishments classified in this industry are engaged primarily in the manufacture of shortenings and vegetable cooking oils. Materials used in their manufacture include both animal and vegetable substances. The secondary products include refined cottonseed oil, oleomargarine, salad oils, solidified oil, cottonseed oil foots, distilled cottonseed fatty acids, tallow, grease, soap stock, etc. Lack of comparable statistics for prior years.—Be-

cause of the transfer to this industry classification of the establishments engaged primarily in the manufacture of vegetable cooking oils, most of which were formerly assigned to the "Oils, not elsewhere classified" industry, the statistics published for the shortenings and cooking-oils industry for 1925 and prior years are not comparable with those for 1927-1929. For this reason no comparative statistics for prior years are included in the current report.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1929 AND 1927

YEAR OR FERIOD	Number of establish- ments	Wage earners (average for the year)	Wagos	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products ³	Value added by manufacture ³	Horsepower
1929 1927	. 40	2, 712 2, 655	\$3, 003, 946 2, 624, 371	\$139, 030, 084 137, 078, 000	\$154, 553, 197 148, 408, 070	\$15, 522, 233 11, 389, 476	36, 047 33, 462
				PER CENT OF INCR	EASE	/	· · · · · · · · · · · · · · · · · · ·
1027-1029	(1)	2.1	14. 5	1, 4	4.1	36.3	9. 5

1 No comparable data for years prior to 1927.
2 The figures for both years refer to production, not sales. See General Explanations—Value of Products.
3 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929 AND 1927

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. See General Explanation—Establishments Covered—Size

	Con-	Num- ber of	Salaried officers	Wage earners	CAPAC	OWER (1 HTY) OF PMENT					ERIALS, CONTA FUEL, AND I			Value
STATE	sus year	estab-	and employ- ees 1	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tainers	Fuel and purchased energy	Value of products 2	added by manufac- ture
United States	1929 1927	40 33	775 531	2, 712 2, 655	36, 647 33, 462	10, 747 10, 187	25, 900 23, 275	\$1, 719, 996 1, 288, 472	\$3, 003, 946 2, 624, 371	\$189, 030, 964 137, 078, 600	\$137, 610, 194 135, 694, 358	\$1, 420, 770 1, 384, 242	\$154, 553, 197 148, 408, 070	\$15, 522, 233 11, 389, 476
Individual States: Georgia_ Tennessee Texas	1929 1927 1029 1027 1929 1927	4 4 6 5 8 7	92 70 88 77 108 98	346 500 387 419 308 336	2, 203 2, 510 4, 310 3, 602 3, 900 8, 522	186 307 1,503 1,242 2,850 2,700	2, 107 2, 203 2, 807 2, 450 1, 149 822	171, 776 133, 200 186, 928 167, 004 238, 542 227, 062	283, 208 839, 190 344, 559 417, 573 359, 757 378, 030	17, 320, 181 20, 644, 124 23, 814, 255 23, 207, 989 14, 982, 001 16, 677, 454	17, 173, 801 20, 423, 412 23, 677, 461 23, 073, 975 14, 836, 608 16, 513, 992	152, 380 220, 712 186, 794 184, 014 145, 393 163, 402	18, 930, 923 22, 011, 424 20, 508, 480 25, 603, 637 17, 700, 031 18, 609, 875	1, 613, 742 1, 367, 300 2, 754, 234 2, 485, 048 2, 727, 030 1, 002, 421
Groups of States: Calif., 2 est.; Mo. 1. La., 2 est.; Mass., 2; Va., 8	1929	3	66 136	186 489	3, 914 7, 310	950 1,805	2, 984 5, 445	140, 010 364, 062	232, 751 394, 271	4, 317, 227 24, 200, 788	4, 221, 003 24, 000, 617	96, 134	5, 552, 954	1, 235, 727
Fla., 2 est.; Ill., 2; Ky., 1; N. Y. 2 N.J., 2; est.; N. C.,1; Ohio, 2	1929 1929	7	153 132	601 395	9, 226	2, 299	6, 927	368, 485	853, 950	29, 382, 787	28, 937, 005	200, 171 445, 782	25, 922, 493 32, 615, 105	1, 721, 705 3, 232, 378
States not shown sepa- rately	1927	17	286	1, 400	5, 505 23, 738	1,094 5,938	4, 501 17, 800	250, 193 771, 116	535, 450 1, 489, 578	25, 007, 725 76, 549, 033	24, 763, 609 75, 682, 079	244, 116 866, 054	27, 245, 142 82, 003, 140	2, 237, 417 5, 544, 107

¹ The total numbers of persons engaged are as follows: 1929, 3,487; 1927, 3,190 (including 4 proprietors and firm members, not shown in the table).

The figures for both years refer to production, not sales. See General Explanations—Value of Products.

Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value of Products.

Hilpois, 2 establishments; Kentucky, 1; Louisiana, 2; Massachusetts, 1; New Jersey, 2; New York, 1; North Carolina, 1; Ohio, 2; Rhode Island, 1; Virginia, 4.

TABLE 3.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1929 AND 19271

[The figures for both years refer to production, not sales. See General Explanations-Value of Products]

	, 199	39	192	7
KIND	Pounds	Value	Pounds	Value
1. Shortenings (not including lard) and vogetable-cooking-oils industry, all products, total value.		\$154, 553, 197		\$148, 468, 076
2. Shortenings (not including lard) and vegetable cooking oils. 3. Other products (not normally belonging to this industry) 4. Shortenings (not including lard) and vegetable cooking oils made as secondary products in		140, 004, 358 13, 588, 830		134, 881, 074 13, 587, 002
other industries		57, 573, 650	1 740 ATE 050	57, 148, 728
Shortenings and vegetable cooking oils, all industries, aggregate (sum of 2 and 4)	1, 754, 712, 020	108, 538, 017	1,748,475,050	192, 020, 802
Shortonings (not including lard), total	² 1, 256, 836, 501	147, 651, 407	1, 239, 087, 167	142, 576, 674
Made in shortenings (not including lard) and vegotable-cooking-oils industry, total	832, 354, 420	08, 340, 502	775, 000, 504	89, 319, 769
From vegetable oils and fats solely, total	658, 471, 337	78, 166, 834	537, 337, 870	61, 856, 553
Package goods, 8 pounds and under. Other, over 8 pounds	212, 629, 144 445, 842, 193	27, 600, 945 50, 460, 880	205, 144, 129 332, 193, 741	20, 018, 953 35, 837, 600
From animal and vegetable oils and fats, total	173, 883, 092	20, 173, 758	237, 668, 694	27, 403, 216
Package goods, 8 pounds and under. Other, over 8 pounds Made as secondary products in the ment-packing industry ³ Made as secondary products in other industries ³	70, 839, 700 103, 013, 386 405, 140, 785 10, 332, 287	8, 761, 612 11, 412, 146 40, 938, 920 2, 372, 795	80, 580, 401 157, 088, 203 438, 030, 000 20, 043, 634	10, 158, 869 17, 304, 347 50, 331, 378 2, 925, 527
Vegetable cooking oils, total	497, 875, 518	50, 886, 610	509, 387, 889	40, 453, 12
Made in shortenings (not including lard) and vegotable-cooking-oils industry	421, 890, 026 75, 084, 502	42, 623, 706 8, 202, 814	468, 224, 705 41, 163, 181	45, 561, 301 3, 891, 82

TABLE 4.—SHORTENINGS (NOT INCLUDING LARD)—PRODUCTION IN ALL INDUSTRIES, BY QUANTITY AND VALUE, BY STATES: 1929 AND 1927

[The figures refer to production, not sales. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments. Certain of the "Other States," however, reported larger production than some of the States shown separately]

STATE	102	0	10	27	STATIO	192	9	192	7
SIRIL	Pounds	. Valuo	Pounds	Value	STATE OF THE STATE	Pounds	Value	Pounds	Value
United States	42, 248, 804 6, 147, 428 134, 205, 906 880, 941 3, 822, 925 34, 408, 260	4, 848, 492	34, 001, 126 7, 330, 082 123, 787, 093 1, 273, 457	3, 951, 677 938, 177 13, 372, 630	Toxas Washington Other States	7, 963, 485 63, 921, 557 250, 535 157, 041, 428 212, 927, 525 4, 798, 351 580, 001, 150	\$868, 003 7, 185, 861 30, 965 18, 441, 726 25, 201, 042 570, 800 70, 283, 002	70, 274, 350 70, 274, 350 (2) 153, 770, 424 232, 943, 320 (1) 574, 876, 433	\$7, 691, 660 (1) 17, 795, 925 28, 211, 802 (2) 65, 954, 333

TABLE 5.—PRINCIPAL MATERIALS CONSUMED, BY KIND, QUANTITY, AND COST, FOR THE UNITED STATES: 1929

[The difference between the sum of the costs of the several kinds of materials shown by this table, \$114,009,809, and the cost of materials as given in Tables 1 and 2 in this report is accounted for by the fact that the other tables cover all materials consumed, whereas this table covers only the principal materials, as specified]

KIND	Pounds	Cost	KIND	Pounds	Cost
Aggrogate costOils, total	1, 215, 730, 891	112, 470, 083		22, 362, 284 1, 038, 573	\$140, 937 2, 057, 018 95, 111 1, 590, 726

¹ No comparable data for years prior to 1927.
2 Some of the establishments in the shortenings and vegetable-cooking-oils industry reported for their fiscal years conforming most nearly to the calendar year 1929, which is permissible under the census law, and for this reason the total production of shortenings given in this table is not identical with the aggregate of the totals for the four quarters of the year 1929 (1,220,101,530 pounds) as shown by the reports of the quarterly census of "Animal and vegetable fats and oils."
3 Not reported as to materials used or as to size of container.

¹ See footnote 2, Table 3.
1 Included in figure for "Other States" to avoid disclosing data for individual establishments.
1 Included in figure for "Other States" to avoid disclosing data for individual establishments.
1 For 1920: Arizona, Florida, Georgia, Idaho, Kentucky, Louislana, Maryland, Massachusetts, Michigan, Minuestoa, Missouri, Montana, Novada, New York, North Carolina, Ohio, Oklahoma, Oregon, Utah, Virginia, Wiscousin. For 1927: Alabama, Arizona, District of Columbia, Florida, Georgia, Idaho, Iowa, Kentucky, Louislana, Maryland, Massachusetts, Michigan, Minnesota, Miscouri, Montana, Nobraska, Nevada, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Dakota, Utah, Virginia, Washington, Wisconsin.

TABLE 6.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS, ELECTRIC MOTORS, AND GENERATORS, 1929 AND 1927; 1 QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

ŢŸPĒ		1929	19	27	PER CENT DIS- TRIBU- TION OF RATED HORSE- FOWER CAPAC- ITY	TYPE		1929	19	927	PER CENT DIS- TRIBU- TION OF RATED HORSE- FOWER CAPAC- ITY
	Num- ber	Capacity	Num- ber	Capac- ity	1929		Num- ber	Capacity	Num- ber	Capac- ity	1929
Prime movers and electric motors driven by purchased energy, aggregate	1,726	Horse- power 36, 647	1, 943	Horse- power 33, 462	100.0	Electric motors, total	2, 126	Horse- power 29, 459	2, 092	Horse- power 25, 504	100.0
Prime movers, total	64	10, 747	64	10, 187	29. 3	Driven by purchased energy	1, 662	25, 900	1,879	23, 275	87. 9
Steam, total	60	9, 697	61	9, 262	26. 5	Driven by purchased energy————————————————————————————————————	464	3, 559	213	2, 310	12. 1
EnginesTurbines	53 7	7, 542 2, 155	56 5	7, 009 2, 253	20. 6 5. 9	Tilootula sanasafassa	19	Kilowatts		Kilo- walts	
Internal-combustion engines	4	1,050	3	925	2.8	Electric generators	7.0	3, 903 Kitowatt-	13	2,777	
Electric motors driven by purchased energy	1, 662	25, 900	1,879	23, 275	70.7	Electric energy purchased 3		hours 48, 334, 845	(8)	(3)	

No comparable data for years prior to 1927.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

TABLE 7.-WAGE EARNERS, BY MONTHS, BY STATES: 19291

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

Avera			NUMBER EMPLOYED ON 18TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY											
STATE	em- ployed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Docom- ber	mini- mum is of maxi- mum
United States	2, 712	2,687	2,816	2, 706	2, 647	2, 639	2, 716	2, 585	2, 670	2, 827	2, 799	2, 817	2, 633	91.4
Georgia Tennessee Texas	346 387 308	349 382 303	353 410 312	352 385 303	329 357 294	332 380 200	333 412 304	310 352 288	345 387 202	378 435 315	363 391 316	362 404 331	342 <i>547</i> 333	82, 0 70, 8 86, 5

¹ No comparable data for earlier years.

THE SUGAR INDUSTRIES

Combined statistics for the three sugar industries | are treated for census purposes as separate and distinct beet sugar, cane sugar, and cane-sugar refining—which from one another, are presented in the table below.

COMBINED SUMMARY FOR THE SUGAR INDUSTRIES, FOR THE UNITED STATES: 1 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wago carners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹	Horsepower
1920 1927 1925 1923 1921 1910 1914 1900 1904	173 153 204 226 246 307 259 291 395 687	23, 727 22, 360 25, 440 25, 645 31, 783 36, 084 22, 882 20, 730 17, 512 16, 000	\$20, 513, 600 28, 056, 380 32, 454, 135 31, 875, 574 44, 418, 000 42, 037, 951 15, 000, 057 12, 202, 108 10, 002, 352 8, 010, 030	\$521, 582, 017 036, 441, 459 048, 520, 710 773, 603, 294 505, 411, 203 793, 316, 641 321, 442, 937 274, 847, 974 250, 230, 678 220, 188, 565	\$034, 267, 636 710, 381, 330 752, 400, 704 871, 736, 338 628, 678, 228 937, 883, 918 873, 630, 208 327, 871, 780 301, 670, 243 247, 634, 868	\$112, 085, 018 73, 030, 877 103, 886, 078 98, 073, 044 63, 202, 025 144, 567, 877 52, 106, 301 52, 523, 804 42, 439, 565 20, 846, 803	311, 800 274, 707 308, 870 288, 607 (1) 281, 704 280, 617 217, 805 176, 110
			PER (ent of increase or	DECREASE ()		
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921 1919-1929 1909-1919 1890-1909	13. 1 -25. 0 -0. 7 -8. 1 -19. 0 -43. 6 5. 5 -57. 6	0.1 -12.1 -0.8 -10.3 -11.9 -34.2 74.1 28.8	5. 2 -13. 6 1. 8 -28. 2 4. 2 -30. 8 240. 8 53. 5	-18.0 -1.9 -16.2 36.8 -28.7 -34.3 188.6 21.5	-10.7 -5.0 -13.7 38.7 -33.0 -32.4 186.5	52.4 -28.8 5.9 55.0 -50.2 -22.1 176.2 152.0	13, 5 -11, 1 7, 0

¹ Not including outlying possessions.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
2 Not called for on schedule.
4 No comparable figure.

BEET SUGAR

Description of the industry.—The establishments assigned to the beet-sugar industry for census purposes are those engaged wholly or mainly in the manufacture of sugar from sugar beets. In 1929 the bulk of the production of beet sugar was reported from four States-California, Colorado, Nebraska, and Utahwhich together produced nearly 68 per cent of the total for that year. Colorado produced far more beet sugar than any other State, but separate figures for Colorado can not be given in this report without disclosing an approximation of data reported by individual establishments.

Period covered by report.—The schedule used for this industry called for data in regard to operations during the season 1928-29; in other words, the manufacture of sugar from beets grown in the calendar year 1928. A few of the establishments, however, appear to have reported for the crop year 1929-30. The bulk of the work in any season is done during the last four months of the calendar year in which the beets are grown, and particularly during October and November.

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TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

			, , , , , , , , , , , , , , , , , , , ,		1		1		I
au fe Tha Cuid Marin and	YEAR OR PERIOD	in the second of	Number of establish- ments	Wage carners (average for the year)	Wages	Cost of materials, containers for prod- nets, fuel, and purchased electric energy	Value of products 1	Value added by manufacture ²	Horsepower
1923 1921 1919 1914 1909			82 70 89 84 92 85 60 58 51	7, 400 7, 402 8, 872 7, 671 13, 602 11, 781 7, 907 7, 204 3, 963 1, 970	15, 908, 118 6, 606, 204 4, 808, 446 2, 486, 702	\$70, 900, 908 79, 016, 770 87, 038, 255 70, 820, 150 121, 868, 863 87, 029, 144 41, 390, 361 27, 205, 170 14, 486, 876 4, 803, 796	\$108, 552, 581 104, 926, 584 132, 339, 012 118, 313, 978 139, 109, 655 149, 155, 892 62, 605, 210 48, 122, 383 24, 393, 794 7, 323, 857	\$37, 501, 673 25, 900, 814 45, 300, 757 47, 403, 828 17, 240, 702 62, 126, 748 21, 205, 840 20, 867, 213 9, 906, 018 2, 520, 061	146, 393 142, 023 146, 085 127, 771 (3) 127, 804 76, 705 57, 202 35, 490 14, 460
4 Ja 4 Ja – 1	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 (10 m) 10 (10 m) 10 (10 m)	11	· ·	PER CE	NT OF INCREASE OR	DECREASE (—)		
1919-1921 1919-1929			255355	1. 3 -16. 6 17. 2 -44. 3 15. 5 -30. 4 63. 5 205. 7	42, 4 -37, 0 230, 8	40.0 18.5 219.2	3.5 -20.7 11.9 -14.9 -0.7 -27.2 210.0	45. 1 -42. 8 -4. 0 175. 5 -72. 2 -30. 5 197. 0	3.1 -3.4 15.0

¹ The figures for all consus years refer to production, not sales. See General, Explanations—Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
3 Not called for on schedule.
4 Per cent not computed where base is less than 100.

BEET SUGAR

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Sizej

And the second		Num	Salaried	Wage	n 11 1					FOR PRO	ATERIALS, CO DUCTS, FUEL, MECTRIC ENI	AND PUR-		Valuo
STATE	sus	estab-	officers and em- ployees	OTO for	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tuiners	Fuel and purchased energy	Value of products 1	added by manufac- ture !
United States	1929 1927 1919	82 79 85	1, 447 1, 470 2, 408	7, 406 7, 402 11, 781	146, 393 142, 023 127, 304	136, 913 133, 633 117, 763	9, 480 8, 300 9, 631	\$2, 708, 020 3, 014, 775 4, 427, 056	\$10, 020, 743 0, 700, 000 15, 908, 118	\$70, 060, 008 70, 010, 770 87, 020, 144	\$00, 387, 083 74, 584, 877 81, 650, 540	\$4, 573, 825 4, 431, 893 5, 378, 004	\$108, 862, 581 104, 926, 684 149, 165, 892	\$37, 501, 673 25, 000, 814 62, 126, 748
Individual States; California	1929 1927 1919	5 5 10	96 129 384	707 575 1, 512	17, 864 20, 360 27, 155	10, 791 10, 153 22, 108	1, 078 1, 207 4, 957	234, 851 285, 380 730, 186	1, 000, 687 748, 893 2, 246, 411	0, 951, 858 5, 555, 939 14, 154, 361	6, 302, 811 5, 210, 623 13, 174, 103	559, 045 338, 407 980, 168	11, 211, 474 7, 545, 768 26, 854, 004	4, 250, 018 1, 000, 738 12, 100, 733
Michigan	1929 1927 1919	12 16 · 16	98 179 385	619 1, 032 1, 836	15, 892 18, 093 20, 550	14, 639 16, 387 19, 811	1, 253 1, 706 730	209, 330 298, 137 004, 584	825, 111 1, 510, 991 2, 764, 916	5, 213, 800 11, 336, 089 16, 681, 850	4, 761, 435 10, 342, 543 15, 520, 700	452, 365 983, 546 1, 161, 150	7, 338, 204 14, 441, 318 20, 378, 870	2, 121, 404 8, 105, 229 9, 697, 020
Montana	1929 1927	4 3	50 54	356 301	6, 619 5, 621	6, 427 5, 405	192 126	116, 957 135, 758	425, 039 433, 006	8, 231, 234 8, 707, 381	3, 074, 702 8, 627, 735	156, 442 169, 596	4, 094, 364 5, 165, 428	1, 763, 130 1, 368, 004
Ohio	1929 1927 1919	5 5 5	41 80 63	311 336 630	7, 089 7, 708 7, 180	6, 763 6, 823 7, 085	926 885 95	00, 023 80, 327 138, 000	309, 183 535, 337 1, 126, 648	2, 327, 124 2, 889, 401 5, 108, 116	2, 100, 217 2, 636, 602 4, 819, 409	160, 907 252, 889 288, 707	3, 800, 051 3, 663, 242 7, 240, 156	1, 068, 927 773, 761 2, 141, 040
Utah Groups of States:	1929 1927 1919	10 9 16	120 86 310	091 459 2, 214	13, 971 11, 166 14, 948	12,167 0,282 11,810	1,804 1,934 3,138	235, 107 202, 110 017, 482	020, 383 017, 357 1, 990, 012	5, 600, 735 4, 315, 723 12, 630, 335	5, 360, 047 4, 121, 310 11, 868, 671	240, 688 194, 413 761, 664	9, 114, 204 5, 855, 872 20, 560, 135	3, 504, 460 1, 540, 140 7, 938, 800
Oolo., 17 est.; Idaho, 7; Wash., 1; Wyo.,	1929	20	645	3, 207	49, 585	47, 000	2, 576	1, 150, 144	4, 313, 231	31, 805, 621	30, 000, 630	1, 705, 991	48, 529, 581	16, 723, 060
Ind., 1, est.; Iowa, 2; Kans., 1; Nebr., 7 Minn., 2 est.; S.	1929	11	281	1, 272	26, 570	25, 650	2, 876 914	530, 570	1, 614, 279	12, 200, 372	11, 277, 528	922, 810	18, 576, 080	6, 375, 708
Dak., 1; Wis., 3 States not shown sepa-	1929	6	107	333	8, 203	7, 461	742	215, 030	513, 830	3, 621, 166	3, 344, 625	270, 541	5, 805, 628	1, 774, 457
	31927 11919	41 38	1, 260	4, 600 5, 589	79, 075 57, 561	70, 543 56, 859	2, 532 702	2, 004, 054 2, 268, 644	5, 864, 295 7, 771, 131	51, 123, 106 38, 454, 482	48, 640, 064 30, 267, 567	2, 483, 042 2, 186, 915	68, 274, 959 68, 604, 637	17, 181, 853 80, 160, 188

1 The figures for all census years refer to production, not sales. See General Explanations—Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
3 Ociorado, 18 establishments; Idaho, 3; Indiana, 1; Iowa, 1; Kansas, 1; Minnesota, 2; Nobraska, 6; Nevada, 1; Washington, 1; Wisconsin, 3; Wyoming, 4.
4 Colorado, 14 establishments; Idaho, 8; Illinois, 1; Indiana, 1; Iowa, 1; Kansas, 1; Minnesota, 1; Montana, 1; Nobraska, 4; Washington, 1; Wisconsin, 4; Wyoming, 1.

TABLE 3.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1923 TO 1929

[The figures for all census years refer to production, not sales. See General Explanations—Value of Products]

KIND	1929	1927	1925	1923	KIND	1020	1027	1925	1093
Aggregate value	\$108, 552, 581	\$104, 026, 584	\$132, 839, 012	\$118, 313, 078	Molasses—Continued. Other, sold for purposes other than desugariza-		Annual months in the first of the	THE RESERVE OF THE PROPERTY OF	-билорация (16.69-22-25) бе сен Заман удов Абой
Total tons (2,000 pounds) Total value	1, 086, 055 \$100, 767, 031	800, 300 \$08, 584, 508	1, 082, 842 \$124, 413, 497	754, 459 \$112, 793, 644	tion— Tons	21, 300 \$379, 012	20, 257 \$220, 001	48, 504 \$707, 074	(3)
Granulated— TonsValueValue	1, 068, 285 \$100, 240, 231	803, 215 \$08, 141, 359	1, 075, 570 \$124, 025, 027	740, 447 \$112, 384, 386	Beet pulp: Total tons Total value	1, 400, 507 \$5, 230, 705	1, 307, 842 \$4, 413, 417	1, 550, 208 \$5, 520, 651	(3) \$3, 707, 803
Tons. Value	17, 770 \$517, 800	6, 181 \$443, 239	7, 272 \$387, 570	5, 012 \$409, 258	Dried pulp, exclusive of molasses pulp— Tons.	87, 530	79. 230	134. 057	ALL SALES AND AL
Total tons (2,000 pounds)	77, 781 \$1, 169, 257	76, 391 \$692, 271	143,077 \$2,250,690	105,008 \$1,287,453	Value Moist pulp— Tons Value	\$2, 127, 354 4 1, 207, 368 4 \$1, 124, 038	79, 230 \$1, 974, 275 41, 154, 763 4 \$005, 568	134, 057 \$8, 267, 429 1, 361, 783 \$822, 005	\$3,170,808
Discarded from desugarization process (exclusive of that used for molasses				,	Molassos pulp— Tons Value	75, 693 \$1, 979, 403	73,840 \$1,443,574	54, 458 \$1, 439, 227	\$530, 905
beet pulp)— Tons. Value	53, 472 \$789, 615	50, 134 \$472, 210	94, 513 \$1, 453, 616	(2)	Other products, value	6 \$1, 385, 408	\$1, 230, 208	\$145, 174	\$525,078

¹ Because of a change in the method of reporting melasses the figures for 1925 and prior years are not strictly comparable with those for 1927 and 1929.

Not called for on schedule.

No data,

1 Includes data for a small quantity of pressed beet pulp, the tennage and value of which can not be shown without disclosing the production of individual establishments.

^{*} Includes data for a small qualities of processed both purp. The state of the pulp of the

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1929

[The figures refer to production, not sales. See GENERAL EXPLANATIONS—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments, and for the remaining States in groups]

KIND	Tons (2,000 pounds)	Value	KIND	Tons (2,000 pounds)	Value
Granulated sugar, total		\$100, 249, 231	Molasses sold for purposes other than desugarization, total	24, 309	\$379, 642
California Michigan Ohlo Groups of States:	103, 990 65, 241 28, 943	9, 803, 449 6, 346, 085 2, 921, 529	Groups of States: California and Idaho Colorado and Utah	1, 366 6, 550	20, 494 94, 959
Colorado, Idaho, Montana, and Wyoming Indiana and Wisconsin. Iowa, Kansas, Minnesota, and Nebraska	549, 399 16, 676 197, 084	50, 552, 028 1, 775, 517 18, 477, 766	Michigan and Wisconsin Minnesota and South Dakota	1	224, 310 39, 873
Other States: South Dakota, Utah, and Washington	106, 952	10, 282, 857	Dried beet pulp, total	23, 137	2, 127, 354 708, 093 351, 347
Unfinished sugar, total California Michigan	17, 770 859 721	517, 800 67, 650 49, 071	Groups of States: Colorado, Nebraska, and Utalı Indiana and Wisconsin Iowa, Kansas, and Minnesota	32, 297 6, 481	410, 726 215, 786 441, 402
Groups of States: Colorado, Idaho, Montana, and Wyoming Indiana, Ohio, and Wisconsin Iowa, Kansas, Minnesota, and Nebraska	4, 119 7, 089 4, 511	198, 300 36, 730 129, 779	Moist beet pulp, total	1 1, 297, 368	1 1, 124, 038
South Dakota, Utah, and Washington	471	36, 171	Colorado and Montana Nebraska, South Dakota, and Wyoming Other States	257, 559	723, 696 251, 003
Molasses discarded from desugarization process (exclusive of that used for molasses beet pulp), total	53, 472	789, 616	California, Idaho, and Utah Molasses beet pulp, total		140, 240 1, 970, 403
Groups of States: Olorado, Idaho, Montana, and Wyoming Indiane, Michigan, and Ohio Iowa, Kansas, and Nebraska	20, 702 4, 460	428, 655 78, 459	California Group of States:	30, 745	1, 152, 272
Iowa, Kansas, and Nebraska Other States: California and Utah		128, 039	Iowa, Minnesota, and NebraskaOther States:		440, 908
Camornia and Otali-	10, 200	154, 462	Colorade, Utah, Washington, and Wyoming	16, 146	377, 163

¹ Includes data for a small quantity of pressed beet pulp, the tonnage and value of which can not be shown without disclosing the output of individual establishments.

TABLE 5.—SUGAR BEETS—ACREAGE AND QUANTITY TREATED, FOR THE UNITED STATES: 1929, 1927, 1925, AND 1923

1929	1927	1925	1923		1929	1927	1925	1923
695, 647	720, 057	818, 197	468, 819					
19, 824 9, 130	12, 924 15, 339	19, 984 35, 280	11, 819	total	7, 186, 443	7, 190, 876	(1)	(1)
667, 193	700, 794	762, 983	447, 050	Grown directly by factories	178, 281 74, 551	111, 604 111, 769	(1)	(i)
649, 583	068, 304	(1)	(1)	dent growers	6, 933, 611	6, 967, 503	(1)	(1)
18, 002 8, 546 623, 035	12, 305 14, 270 641, 810	(5)	(E) (E)	Quantity of beets treated (tons of 2,000 pounds) Average yield of sugar per ton of	6, 050, 520	6, 711, 438	7, 422, 806	5, 786, 082
	'				818	268	292	261
				Quality of beets treated: Average percentage of sucrose Average coefficient of purity	² 16. 54 85. 28	14.80 83.10	17. 2 85. 0	15. 3 83. 7
	695, 647 16, 824 9, 130 667, 193 649, 583 18, 002 8, 546	605, 647 720, 057 10, 824 12, 924 9, 130 15, 339 067, 193 700, 794 649, 583 608, 304 18, 002 12, 305 8, 546 14, 279	005, 047 720, 057 818, 107 10, 824 12, 924 10, 984 0, 130 15, 330 35, 230 007, 193 700, 794 702, 983 640, 883 068, 304 (1) 18, 002 12, 305 (1) 8, 546 14, 270 (1)	605, 647 720, 057 818, 107 468, 819 10, 824 12, 924 10, 984 11, 810 067, 193 700, 794 702, 983 447, 050 649, 583 668, 304 (1) (1) 18, 002 12, 305 (1) (1) 8, 646 14, 270 (1) (1)	605, 047 720, 057 818, 107 468, 819 Quantity of beets received (tons of 2,000 pounds), 10, 824 12, 924 19, 984 9, 944 007, 193 700, 704 702, 983 447, 055 649, 883 068, 304 (1) (1) 18, 002 12, 305 (1) (1) (2) 8, 846 14, 279 (1) (1) (1) (2) 623, 035 641, 810 (1) (1) (1) Average yield of sugar per ton of beets, pounds. Quality of beets treated: Average percentage of sucrose.	Comparison of the control of the c	005, 047 720, 057 818, 107 468, 819 Quantity of beets received (tons of 2,000 pounds), 10, 824 12, 024 19, 084 11, 810 15, 330 35, 230 9, 944 702, 983 447, 056 Grown directly by factories 74, 551 111, 604 765, 520 765, 520 76, 503 18, 002 12, 305 641, 810 (1) (1) (1) (1) (2,000 pounds) (2,000 pounds) (3,000 pounds) (4,270 641, 810 (1) (1) (1) (1) (1) (1) (2,000 pounds) (3,000 pounds) (4,270 pounds) (5,000 pounds) (5,000,520 pounds) (6,000,520 pounds) (7,186, 443 pounds) (7,186, 443 pounds) (1) (1) (1) (1) (1) (2,000 pounds) (2,000 pounds) (3,000 pounds) (4,000 pounds) (4,000 pounds) (5,000,520 pounds) (5,000,520 pounds) (5,000,520 pounds) (6,000,520 pounds) (6,000,520 pounds) (7,186,443 pounds)	605, 047 720, 057 818, 197 468, 819 Quantity of beets received (tons of 2,000 pounds), 7, 186, 443 7, 190, 876 (1) 10, 824 12, 924 19, 984 11, 819 total 700, 700, 704 702, 983 447, 050 Grown directly by factories 74, 551 111, 604 (1) 649, 883 068, 304 (1) (1) (1) Grown by tenants of factories 74, 551 111, 760 (1) 18, 002 12, 305 641, 810 (1) (1) (1) Quantity of beets treated (tons of 8, 933, 611 6, 967, 503 (1) Quantity of beets received (tons of actories 74, 551 111, 604 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 11, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 111, 760 (1) Quantity of beets treated (tons of actories 74, 551 11, 700 (1) Quantity of beets treated (tons of actories 74, 551 11, 700 (1) Quantity of beets treated (tons of actories 7

¹ Not called for on schedule. ² Maximum, 18,95; minimum, 13,28.

TABLE 6.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

туре	I	929	16	927	1925		1919		1014		PER CENT DISTRIBUTION OF RATED HORSE-POWER CAPACITY	
en en en en de troupe. De tre en	Num- ber	Num- ber Capacity		Capacity	Num- ber	Capacity	Num- ber	Capacity	Num- ber	Capac-	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate.	1, 167	Horse- power 140, 303	1, 162	Horne- power 142, 023	1, 371	Horse- power 146, 085	1, 136	IIorse- power 127, 394	686	Horse- power 76, 705	100.0	100.0
Prime movers, total	545	136, 913	013	133, 633	687	135, 014	670	117,763	500	71,630	93. 5	92. 4
Steam, total	528	135, 676	579	132, 631	669	135, 674	059	117, 469	449	70, 507	92. 7	92, 2
Engines. Turbines	474 54	104, 975 30, 701	534 45	100, 173 23, 458	626 43	116, 284 19, 390	024 35	103, 697 13, 772	8	(3)	71. 7 21. 0	81, 4 10, 8
Internal-combustion engines	17	1, 237	84	1,002	18	240	10 1	259 35	30 18	928 195	0.8	0. 2 (³)
Electric motors driven by purchased energy	622	9, 480	549	8,300	684	11,071	457	9,631	180	5,075	6.5	7. 6
Electric motors, total	5, 035	85, 340	4,415	71,198	4, 054	70, 173	2, 400	44, 871	814	17,871	100.0	100. 0
Driven by purchased energy	622	0,480	540	8,300	684	11,071	457	0,631	180	5,075	11.1	21.5
Ing	4, 413	75,860	3,800	62,808	3, 370	59, 102	1,040	35, 240	634	12,706	88. 0	78. 5
Electric generators	177	Kitowatts 54,030	271	Kilowatts 47,720	183	Kilowaits 40, 058	(8)	(8)	(3)	(3)		
Electric energy purchased 4		Kitowatt- hours 5, 246, 818		(5)		(6)		. (8)		. (8)	*******	

Table 7.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State Items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Avernge		00										Per	
STATE	number employed during year	January	February	March	April	May	June	July	August	Soptem- bor	October	Novam- ber	Decem- ber	mini- mum is of maxi- mum
United States: 1929	8,872	3, 591 5, 303 11, 627 6, 598 6, 405	2, 620 3, 225 5, 926 2, 527 2, 206	2, 073 3, 300 4, 661 2, 587 2, 760	2, 758 3, 701 5, 573 3, 164 3, 057	2, 870 4, 022 6, 386 8, 080 8, 432	3, 114 4, 272 7, 248 4, 045 3, 043	3, 548 4, 076 7, 994 4, 470 4, 505	5, 100 6, 034 9, 064 7, 180 6, 045	6, 129 8, 785 10, 607 9, 066 7, 215	21, 370 22, 522 23, 281 20, 858 15, 815	22, 164 22, 422 27, 064 18, 686 16, 807	14,003 18,103 21,041 13,854 14,233	11. 8 14. 3 17. 2 12. 4 13. 1
California Michigan Montana Ohio Utah	1 356	228 145 109 97 405	244 137 00 09 234	200 101 124 99 250	295 108 130 104 206	846 193 141 100 278	380 226 102 112 209	481 300 180 132 306	1, 376 359 192 161 371	1,759 308 227 201 419	1, 886 2, 109 1, 219 1, 221 1, 807	916 9,972 1,069 1,294 1,990	345 258 017 102 1,002	12. 4 4. 6 8. 1 7. 5 11. 8

Not called for separately on schedule.
 Less than one-tenth of 1 per cent.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

CANE SUGAR

Description of the industry.—The cane-sugar industry consists in the manufacture of various grades of sugar, including refined sugar, and of sirup and molasses, from sugarcane. It does not, therefore, cover the refining of purchased cane sugar, which is treated as a separate industry.

The schedule used in canvassing the cane-sugar industry called for data in regard to the manufacture of sugar during the season 1928-29 from cane grown in 1928. Most of the establishments, however, reported their operations for the calendar year 1929 or the season 1929-30.

Concentration in Louisiana.—All the establishments classified in this industry in the censuses for 1925 and subsequent years were located in Louisiana. In preceding censuses a few establishments were reported from other States. No data for outlying possessions are included for any year.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1909 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size. No comparable data available for years prior to 1909]

YEAR OR PERIOD	Number of estab- lishments	Wage carners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products 1	Value added by manufacture?	Horsepower
1929 1927 1925 1928 1921 1910 1914	70 53 94 122 134 202 181 214	2, 319 971 2, 066 2, 820 2, 724 6, 101 3, 032 4, 127	\$1, 642, 463 639, 154 1, 410, 964 1, 727, 893 2, 296, 207 4, 006, 369 1, 561, 376 1, 862, 751	\$12, 222, 558 5, 830, 411 11, 586, 350 20, 903, 005 16, 941, 432 44, 143, 416 15, 958, 218 21, 294, 844	\$18, 325, 702 8, 009, 120 13, 434, 909 27, 180, 783 22, 901, 221 57, 741, 320 21, 635, 373 30, 620, 738	\$6, 103, 234 2, 178, 700 1, 848, 640 6, 217, 778 6, 019, 780 13, 507, 004 5, 077, 155 9, 325, 894	06, 770 45, 705 72, 706 88, 214 (3) 101, 850 113, 246 122, 180
			PER CER	T OF INCREASE OR	DECREASE (-)		
1027-1029 1926-1027 1923-1025 1021-1923 1010-1921 1010-1029 1909-1019	(4) -23.0 -9.0 -33.7 -65.3 -5.6	138. 8 -53. 0 -20. 7 3. 5 -55. 4 -62. 0 47. 8	157. 0 -54. 7 -18. 3 -24. 8 -42. 7 -59. 0 115. 2	100.6 -49.7 -44.7 -23.7 -61.6 -72.3 107.8	128. 8 -40. 4 -50. 6 18. 4 -60. 2 -08. 3 88. 6	180, 1 17, 0 -70, 3 8, 3 -56, 7 -55, 1 48, 8	46. 1 -37. 2 -17. 5 -34. 4 -16. 6

1 Figures for all consus years refer to production, not sales. See General Explanations—Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

8 Not called for on schedule.

4 Per cent not computed where base is less than 100.

TABLE 2:—GENERAL STATISTICS: 1929, 1927, AND 1919

[Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num- ber of	Salariod officers	our ners !	(RATE	DRSEPOWE D CAPACIT R EQUIPM	Y) OF			FOR PRO	ATERIALS, CO DUCTS, FUEL, ELECTRIC EN	AND PUR-		Value
STATE	Census year	estab- lish- ments	and em- ployees	age for	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tainers	Fuel and purchased energy	Value of products 2	added by man- ufactures
United States	1920 1927 1919	70 53 202	404 233 770	2, 319 971 6, 101	66, 770 45, 705 101, 859	66, 513 45, 681 101, 859	266 24	\$459, 516 292, 710 1, 665, 448	639, 154	\$12, 222, 558 6, 830, 411 44, 143, 416	5, 272, 858	557, 553	\$18, 325, 792 8, 009, 120 57, 741, 320	2, 178, 709

¹ Not including proprietors and firm members. The total numbers of persons engaged and the numbers of proprietors and firm members, as reported for this industry, are as follows: For 1929, total, 2,745; proprietors and firm members, 22. For 1927, total, 1,225; proprietors and firm members, 21. For 1919, total, 7,045; proprietors and firm members, 165.

2 The figures for all census years refer to production, not sales. See General Explanations—Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Louisiana only.

5 Florida, 3 establishments; Georgia, 2; Louisiana, 189; Mississippi, 1; South Carolina, 6; Texas, 1.

TABLE 3.-PRODUCTS, BY KIND, QUANTITY, AND VALUE: 1923 TO 1929

[The figures for all consus years refer to production, not sales. See General Explanations-Value of Products. See "Concentration in Louisiana," page 210]

KIND	1929	1927 1	1925	1923	KIND	1929	1927 :	1925	1923
Total value Sugar: Total tons (2,000 pounds) Total value	\$18, 325, 792 179, 839 \$13, 749, 995	The state of the s	\$13, 434, 990 116, 041 \$9, 670, 019	\$27, 180, 783 160, 573 \$22, 802, 807	Molasses, other than blackstrap; Gallons Value Blackstrap molasses;	7, 956, 866 \$1, 369, 973	8, 284, 332 \$027, 155	5, 519, 508 \$1, 130, 540	6, 111, 560 \$1, 834, 845
Granulated 3— Tons— Valuo— Clarified 3—	27, 742 \$2, 639, 143	7, 435 \$000, 771	15, 957 \$1, 583, 872	21, 521 \$3, 491, 039	Gallons Value Bagasse, for sale as such:	10, 874, 130 \$1, 088, 150	2, 300, 792 \$192, 564	0, 051, 341 \$620, 887	0, 616, 965 \$825, 113
TonsValueRaw—	10, 504 \$832, 221	3, 222 \$297, 811	11, 500 \$988, 321	27, 943 \$3, 804, 354	TonsValue	134, 055 \$084, 055	69, 374 \$410, 155	(¹) \$229, 011	8
TonsValue	\$10, 278, 631	45, 835 \$4, 126, 587	88, 524 \$7, 007, 820	120, 100 \$15, 507, 504	Other products, value	\$02,450	\$17,032	\$16, 937	\$82, 002
GallonsValue	4, 025, 230 \$1, 341, 163	3, 88ō, 400 \$1, 341, 045	5, 699, 364 \$1, 767, 596	3, 364, 856 \$1, 545, 866		.* - •.	**		

¹ Production in 1927 was abnormally small because of flood conditions. ² See footnote 2, Table 3, report on "Gano-sugar refluing."

TABLE 4.—CANE GROWN AND CRUSHED: 1929

	Tons	Cost		Tons	Cost
TotalCane grown and crushed by establishments reporting		\$10, 468, 456 2, 877, 814	Cane purchased and crushed	1, 847, 819 60, 402	\$7, 397, 007 103, 035

TABLE 5.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED,

TYPR	1	029	11	927	11	D 2 5	1919		1014		PER CENT DISTRIBUTION OF RATED HORSEPOWER CAPACITY	
and the state of t	Num- ber	Capacity	Num- bor	Capaelty	Num- bor	Capacity	Num- ber	Capacity	Num- bor	Capacity	1029	1919
Prime movers and electric motors driven by purchased energy, aggregate	677	Horse- Dower 66,779	481	Horse- power 45, 705	670	Horse- power 72,790	1, 276	IIorse- nower 101,850	1, 437	Ilorse- power 113, 246	. 100.0	100. 0
Prime movers, total	604	66, 513	477	45, 681	670	72,700	1, 276	101,850	1, 432	113, 214	00.6	100.0
Steam, total	625	64, 037	485	44, 120	652	71, 988	1, 103	08, 823	1,882	112, 776	97. 2	97.0
EnginesTurbines	591 34	59, 860 5, 077	411 24	42, 039 2, 081	624 28	67, 155 4, 833	1,090 13	07, 943 880	8	8	89. 0 7. 0	98. 2 0. 8
Internal-combustion engines	37 2	1, 526 50	88 -4	1, 470 85	27	808	172 1	3, 028 8	50	438	2. 3 0. 1	3. 0 (*)
Electric motors driven by purchased energy	13	200	4	24					5	32	0.4	
Electric motors, total	173	2, 243	87	1,870	20	463	108	2, 288	85	2,760	100.0	100.0
Driven by purchased energy	13	200	4	24					5	32	11.9	
Driven by energy generated in establishments report-	100	1,977	. 83	1,852	29	403	108	2, 288	- 80	2,737	88.1	100.0
Electric generators	20	Kilowatts 2, 101	3 31	Kilowatts 1, 874	46	Kilowatis 1, 458	(1)	(3)	(4)	(1)		
Electric energy purchaseds		Kilowatt- hours 272, 449		(4)		(4)		(4)		(9)		

¹ Not called for separately on schedule.
2 Less than one-tenth of 1 per cent.
1 Revised.

TABLE 6.-WAGE EARNERS, BY MONTHS: 1929, 1925, 1910, 1914, AND 1909

[The month of maximum employment is indicated by bold-faced figures and that of minimum employment by liable figures. See "Concentration in Louisiana," p. 210]

ended to the	Average	2.5	a true	NUMBER	EMPLOYED	ON 15TH	DAY OF MC	NTH OR N	EAREST RE	atksennys	TIVE DAY	. d ^{el} q		Per cent
	number imployed during year	1	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem-	mini- mum is of maxi- mum
United States: 1929	2, 319 2, 060 6, 101 3, 632 4, 127	1, 653 1, 773 8, 653 1, 453 1, 508	003 258 4,951 893 559	608 273 2, 160 678 715	652 208 1,514 701 708	005 351 1,646 723 874	867 402 1,727 857 1,040	989 499 1,845 1,062 1,122	1, 018 591 1, 798 1, 017 920	1, 226 738 1, 854 1, 338 1, 322	4, 986 2, 318 8, 104 7, 253 9, 008	7, 204 8, 570 19, 305 14, 635 16, 761	7, 238 8, 725 19, 570 12, 970 15, 115	8. 4 3. 0 7. 7 4. 6 3. 5

For production of refiners' strup and blackstrap, see "Cane-sugar refining," Table 3, 4 No data,

⁴ Not called for on schedule.

5 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.

6 Data incomplete.

CANE-SUGAR REFINING

Description of the industry.—The cane-sugar refin- | is imported. The cane-sugar refineries are located in

ing industry embraces establishments engaged in the | Continental United States, chiefly in or near the searefining of raw cane sugar, the greater part of which ports through which the raw materials are imported.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1909 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size. No comparable data available for years prior to 1909]

YEAR OR PERIOD	Number of establishments	Waga earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products 2	Value added by manufacture ¹	Horsepower
1920 1927 1925 1923 1921 1910 1914	21 21 21 20 20 20 18	13, 912 13, 906 14, 502 15, 264 15, 467 18, 202 11, 263 0, 300	\$17, 850, 493 17, 707, 257 18, 955, 114 20, 044, 499 19, 463, 410 22, 710, 464 7, 823, 377 5, 620, 971	\$438, 399, 151 551, 594, 278 549, 896, 102 681, 880, 130 426, 600, 908 602, 143, 981 204, 085, 358 226, 287, 900	\$607, 389, 202 597, 445, 032 600, 632, 783 726, 241, 577 405, 602, 352 730, 986, 706 289, 398, 715 248, 628, 659	\$08, 990, 111 45, 851, 354 50, 736, 681 44, 361, 438 40, 001, 444 68, 842, 725 25, 313, 357 22, 340, 609	98, 637 86, 979 89, 998 72, 682 (1) 52, 541 49, 606 38, 414
		: .	PER CE	INT OF INCREASE OR	DECREASE (-)	, : '	:
1927-1929 1926-1927 1928-1925 1921-1928 1919-1921 1919-1921 1910-1929	(b)	-0.6 -3.5 -4.9 -1.3 -15.1 -23.6 93.7	$\begin{array}{c} 0.8 \\ -6.0 \\ -5.4 \\ 3.0 \\ -14.3 \\ -21.4 \\ 304.0 \end{array}$	-20, 5 0, 3 -19, 4 59, 8 -35, 6 -33, 8 192, 0	-15. 1 -1. 5 -16. 5 55. 6 -36. 2 -30. 8 194. 0	50.5 -19.2 27.9 10.0 -41.0 0.2 208.1	13. 4 -2. 4 22. 6 87. 7 36. 8

Not including outlying possessions.
 For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.
 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
 Not called for on schedule.
 Per cent not computed where base is less than 100.

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. California, not shown separately, reported a larger value of products than Louisiana. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

	Con	Num- ber of	Sal- aried officers	Wage earners		OWER CITY) OF MENT	(RATED POWER			COST OF MAT PRODUCTS, ELECTRIC	ERIALS, CONTA FUEL, AND P ENERGY	INERS FOR URCHASED		Value
STATE	sus year	estab- lish- ments	and om-	(average for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tainers	Fuel and Durchased onorgy	Value of products 1	added by manu- facture
United States	1929 1927 1919	21 21 20	1,743 1,746 2,718	13,012 13,996 18,202	98, 637 86, 979 52, 541	84, 505 84, 396 52, 181	14, 072 2, 583 360	\$4, 559, 528 4, 645, 827 5, 442, 187	\$17, 850, 403 17, 707, 257 22, 710, 464	\$438, \$99, 151 551, 594, 278 662, 143, 981	\$431, 620, 225 543, 380, 670 652, 374, 860	\$6,778,926 8,207,608 9,769,121	\$507, 380, 262 507, 445, 632 730, 986, 706	\$08, 000, 111 45, 851, 354 68, 842, 725
Louisiana	1029 1027	4	202 181	2, 223 2, 069	7, 250 10, 325	7, 250 10, 326		339, 655 404, 670	1,900,287 1,867,371	64,625,238 78,109,480	63, 637, 217 76, 810, 356	988, 021 1, 290, 124	74, 706, 373 82, 574, 116	10, 081, 135 4, 464, 636
New York	1929 1927 1919	5 5 5	465 363 1, 210	4, 352 4, 225 6, 289	21, 644 17, 397 15, 934	18,760 15,424 15,934	2,884 1,973	1, 253, 025 1, 234, 489 2, 058, 005	6, 274, 281 5, 673, 103 8, 330, 803	114,834,290 143,848,778 245,299,202	112, 321, 401 141, 825, 388 242, 054, 505	2, 012, 889 2, 023, 390 3, 244, 757	137, 432, 214 155, 217, 848 268, 318, 172	23, 097, 924 11, 369, 070 23, 018, 910
Pennsylvania	1929 1927 1919	3 3 4	271 840 892	1,715 1,987 3,221	17, 208 17, 630 9, 762	17, 208 17, 630 9, 762		769, 029 906, 353 784, 817	2, 726, 953 8, 203, 706 4, 340, 680	65,823,218 88,486,915 110,796,068	64, 737, 880 87, 253, 158 117, 893, 162	1,085,329 1,233,757 1,002,906	73, 980, 294 95, 684, 436 133, 796, 119	8, 160, 076 7, 197, 521 14, 000, 051
Other States (Calif., 2 est.; Ga., 1; Md., 1; Mass., 2; N. J., 1; Tex., 2)	1929	9	805	5, 622	52, 535	41, 347	11,188	2, 197, 819	6, 948, 972	193, 816, 405	190, 923, 718	2, 692, 687	221, 261, 381	27, 044, 070
States not shown sepa- rately	4 1927 5 1919	9 11	862 1, 111	5, 715 8, 692	41, 627 26, 845	41, 017 26, 485	610 360	2, 100, 315 2, 599, 865	6, 872, 987 10, 039, 421	241, 140, 105 297, 048, 051	237, 488, 768 292, 427, 193	3, 660, 337 4, 621, 458	203, 960, 232 328, 872, 415	22, 820, 127 31, 823, 704

¹ Not including proprietors and firm members. The total numbers of persons engaged and the numbers of proprietors and firm members, as reported for this industry, are as follows: For 1929, total 16,050; proprietors and firm members, 4. For 1927, total, 15,742; proprietors and firm members, none. For 1919, total, 20,921; proprietors and firm members, o.

2 For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

3 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture,
4 California, 2 establishments; Georgia, 1; Maryland, 1; Massachusetts, 2; New Jersey, 1; Texas, 2.

5 California, 2 establishments; Georgia, 1; Louisiana, 3; Massachusetts, 2; New Jersey, 2; Texas, 1.

Table 3.—Products, by Kind, Quantity, and Value, for the United States: 1923 to 1929

[The figures for 1929 refer to sales (shipments or deliveries) by manufacturers those for earlier years represent production. See General Explanations—Value of Products]

RIND	1929	1927	1925	1923
Total value	\$507, 380, 262	\$597, 445, 632	\$606, 632, 783	\$726, 241, 577
Other products	507, 198, 319 190, 943	597, 038, 850 406, 773	606, 119, 702 513, 081	725, 615, 923 625, 654
Refined sugar, hard: ² Tons (2,000 pounds) Value Refined sugar, soft or brown: ² Tons (2,000 pounds) Value Refiners' strup, edible: ³	4, 794, 757 \$473, 346, 370 320, 551 \$29, 057, 634	4, 927, 991 \$572, 633, 038 200, 091 \$20, 986, 867	5, 243, 548 \$583, 208, 004 168, 169 \$16, 901, 030	4, 420, 128 \$722, 278, 707
Gallons. Value. Refiners' blackstrap and nonedible sirup: (Gallons. Value. Other sugar products	4, 320, 168 \$010, 802 32, 169, 406 \$3, 044, 428 \$830,085	5, 536, 808 \$1, 247, 054 31, 014, 017 \$2, 171, 000	8, 536, 004 \$2, 151, 518 37, 373, 450 \$3, 859, 150	441, 096, 563 \$3, 337, 126

Table 4.—Raw Sugar Treated, for the United States: 1 1923 to 1929

[Tons of 2,000 pounds]

source	1020	1027	1925	1923
Aggregate	5, 295, 815	5, 404, 703	5, 735, 112	4, 733, 217
Domestic, total	1, 423, 052	1, 374, 075	1, 533, 672	1, 043, 069
Continental United States and Hawali ² Porto Rico Virgin Islands	088, 221 } * 434, 831	824, 096 544, 129 0, 750	1, 026, 506 496, 655 10, 421	748, 907 293, 450 700
Foreign, total	3, 872, 703	4, 020, 728	4, 201, 440	3, 690, 148
Cuba and Honduras Philippines Other	3, 227, 933 644, 830	3, 513, 018 510, 715	³ 3, 826, 143 372, 538 2, 750	(?) (§)

Table 5.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED,

TYPE	1,	020	1	027	1	025	and the second s	010	The second secon	914	PER OBTRI	BUTION ATED POWER
	Num- ber	Capacity	Num- bor	Capac- ity	Num- bor	Capac- ity	Num- ber	Capac-	Num- bor	Capac- ity	1020	1919
Prime movers and electric motors driven by purchased energy, aggregate. Prime movers, total. Steam, total. Engines. Turbines. Internal-combustion engines. Electric motors driven by purchased energy.	184 183 109 74	Horse-power 98, 637 84, 565 84, 405 32, 872 51, 503 100 14, 072	355 160 158 107 51 2 105	Horse-power 86, 079 84, 396 84, 291 38, 226 46, 065 105 2, 583	375 152 151 118 33 1 223	Horse-power 80, 008 85, 284 85, 274 48, 074 37, 200 10 3, 814	200 200 206 205 31	Horse-power 62, 641 72, 181 52, 181 32, 278 19, 903	533 204 262 (4) (1) 2 260	### ##################################	100. 0 85. 7 85. 0 33. 3 52. 3 0. 1 14. 3	100. 0 99. 3 99. 3 61. 4 37. 0
Electric motors, total	1	107, 247	0, 648	05, 318	0.026	94, 964	3, 023	54,008	2,110	24, 016	100.0	100.0
Driven by purchased energy Driven by energy generated in establishments reporting.		14, 072 03, 175	195 6, 453	2, 583 92, 735 Kilo-	223 0, 403	3, 814 91, 150 Kilo-	3, 020	54, 308	200 1,841	4, 100 10, 826	13. 1 80. 9	0. 7 99, 3
Electric generators	82	Kilowatts 50, 713 Kilowatt-	82	valts 51, 800	82	watts 51, 058	(2)	(1)	(1)	(4)	****	
Electric energy purchased 3		hours 11, 517, 050		(+)		(9)		(a)	*****	(1)		******

Table 6.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by italic figures]

STATE	Average number		NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY										Por cent mini-	
STATE	employed during year	January	February	March	April	May	June	July	August	Sop to m- bar	October	Novem- ber	Decem- ber	mum is of maxi- mum
United States: 1929 1925 1910 1914 1909 Louisiana Naw York	2, 223	13, 458 18, 572 14, 553 0, 112 7, 935	13, 887 14, 874 18, 602 0, 030 8, 653 2, 306	14, 523 15, 772 19, 311 11, 722 9, 890	14, 536 15, 185 18, 904 11, 983 9, 052 2, 317	13, 563 15, 276 19, 539 12, 229 0, 492	14, 448 15, 352 19, 600 12, 792 9, 926 2, 323	14, 075 15, 200 20, 501 12, 471 9, 952	14, 981 14, 849 10, 058 12, 307 9, 613 2, 668	13, 603 14, 911 19, 366 11, 593 0, 680 2, 172	14, 030 13, 885 17, 624 10, 390 9, 341 2, 004	13, 039 12, 873 16, 204 10, 117 0, 588 1, 889 4, 137	18, 197 13, 280 15, 002 10, 300 9, 048	81. 4 79. 7 71. 2 71. 2 79. 7
New York Pennsylvania	4, 352 1, 715	4,000 1,861	4, 052 1, 701	2, 338 4, 530 1, 703	4, 543 1, 828	4, 240 1, 757	4, 592 1, 770	4, 655 1, 704	4, 664 1, 832	4, 481 1, 600	4, 559 1, 764	4, 137 1, 487	3,771 1,025	80. 8 81, 2

¹ Not including outlying possessions.
² For production in the cane-sugar industry, see Table 3 of report for that industry. The combined production, in the cane-sugar-refining and cane-sugar industries, of sugar intended for consumption without further refining, was as follows: 1929, 5,153,554 tons, valued at \$505,875,368; 1927, 5,188,739 tons, \$504,608,487; 1925, 5,489,234 tons, \$602,681,227; 1923, 4,478,502 tons, \$729,574,190.
³ For production of sirup and blackstrap molasses in the cane-sugar industry, see Table 3 of report for that industry.
³ Reported as "sirup," "refiners' sirup," and "molasses."

Not including outlying possessions,
 Combined to avoid disclosing amounts treated by individual establishments,
 Cuba only; no imports of raw sugar from Hondurus reported for 1929 or 1925,
 No comparable data,

¹ Not called for separately on schedule.
3 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.

² Not called for on schedule. ⁴ Data incomplete.

VINEGAR AND CIDER

Description of the industry.—This industry consists in the manufacture of vinegar and cider in factories, not including small custom mills nor those located on farms. A large part of the total output of vinegar and

cider is, however, made as a secondary product by canning establishments, classified under the industry designation "Canning and preserving: Fruits and vegetables, etc." (See Table 3, p. 216.)

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

	<u> </u>	1 1		-		ay / Librar	
YEAR OR PERIOD	Number of estab- lishments	Wago earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products 1	Value added by manufacture?	Horsepower
1020 1027 1025 1923 1021 1010 1014 1800 1804	172 158 161 190 227 720 618 903 568 613	970 1, 123 1, 243 1, 317 1, 481 1, 981 1, 220 1, 542 1, 528 1, 557	\$1, 021, 581 1, 235, 900 1, 231, 947 1, 270, 000 1, 578, 142 2, 047, 460 712, 607 723, 488 725, 148 052, 077	\$0, 016, 020 5, 858, 241 6, 838, 080 7, 402, 321 0, 803, 900 16, 558, 525 4, 440, 452 4, 964, 945 3, 852, 233 3, 134, 313	\$10, 450, 332 10, 755, 246 12, 233, 309 12, 535, 126 18, 248, 828 24, 722, 610 7, 810, 802 8, 447, 577 7, 265, 460 5, 931, 002	\$4, 434, 303 4, 807, 005 5, 306, 010 5, 072, 805 8, 365, 138 9, 104, 085 3, 370, 440 3, 483, 532 3, 413, 230 2, 707, 370	8, 074 7, 562 0, 920 8, 414 (2) 17, 943 13, 117 16, 657 10, 441 16, 666
			PER CEI	NT OF INCREASE OR	DECREASE (-)		
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921 1919-1921 1919-1920 1909-1919 1890-1909	8. 9 -1. 9 -15. 3 -16. 3 -08. 5 -76. 1 -25. 2 57. 1	-12.8 -9.7 -5.6 -11.1 -25.2 -50.6 28.5 -1.0	-17. 3 0. 3 -3. 7 -19. 0 -22. 9 -50. 1 183. 0 11. 0	2.7 -14.3 -8.4 -24.1 -30.4 -61.3 213.4 58.4	-57. 7 192. 7	-9.4 -0.2 0.4 -80.3 -8.8 -51.0 163.1 24.5	

The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of

- 1664 - 1664 - 1664

Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

5 Not called for on schedule.

Not called for on schedule.
Less than one-tenth of 1 per cent.

VINEGAR AND CIDER

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

													~~~	
	(1	Num-	Sala- ried otli-	Wage earners		OWER TTY) OF MENT	(RATED POWER			FOR PROD	TERIALS, CO UCTS, FUEL, LECTRIC ENE	AND PUR-	1.0 <u>.</u>	Value
STATE	Con- sus year	ber of estab- lish- ments	cers and em- ploy- ees i	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased onergy	Salaries	Wages	Total	Materials and containers	Fuel and pur- chased onergy	Value of products 1	added by manufac- ture 3
United States	1929	172	283	979	8, 674	2,346	6, 328	\$629, 942	\$1, 021, 581	\$0,016,029	\$5, 810, 740	\$205, 280	\$10, 450, 332	\$4, 434, 303
	1927	158	315	1,123	7, 562	2,096	5, 466	085, 625	1, 235, 906	5,858,241	5, 660, 274	191, 967	10, 755, 246	4, 897, 006
	1919	720	628	1,981	17, 943	13,006	4, 937	1, 108, 017	2, 047, 469	15,558,525	15, 200, 351	352, 174	24, 722, 610	9, 164, 085
Individual States: California	1929 1927 1919	12 12 12	14 13 18	71 45 97	480 394 270	11	480 394 268	10, 855 18, 400 31, 002	70, 720 63, 132 <b>0</b> 4, 541	317, 417 214, 413 201, 906	301, 023 206, 266 270, 975	16,394 8,147 12,021	542, 548 429, 351 602, 115	225, 131 214, 938 370, 119
Colorado	1020 1027 1010	(1)4	(1) 5	(1) 12	(1) 92	(1)	19 (4) 92	15,020 (1) 7,200	11, 307 (4) 15, 180	37, 250 (4) 56, 722	36, 326 (1) 55, 413	024 (4) 1,300	88, 780 (1) 117, 610	51, 539 (*) 60, 888
Connecticut	1929	4	2	11	91	15	76	3, 540	12, 367	49, 373	48, 003	1,280	92, 702	43, 329
	1927	5	4	7	89	25	04	2, 200	9, 293	52, 415	51, 095	420	85, 235	32, 820
	1919	93	1	84	1, 152	1,045	107	1, 000	20, 948	160, 500	155, 555	4,945	416, 605	250, 105
Illinois	1929	8	15	28	566	288	278	34, 355	28, 675	325, 563	318, 634	6, 920	476, 436	150, 873
	1927	9	25	60	704	488	216	50, 424	60, 877	418, 024	401, 453	16, 571	800, 445	382, 421
	1919	26	55	163	1, 100	808	262	121, 085	194, 462	1, 621, 778	1, 608, 421	53, 357	2, 445, 107	823, 419
Massachusetts	1020	12	10	06	483	195	288	35, 557	82, 887	382, 177	373, 880	8, 297	604, 243	282, 066
	1027	11	13	60	478	199	270	61, 215	72, 875	236, 585	230, 686	5, 899	440, 849	204, 264
	1010	75	20	89	1,140	805	275	30, 443	99, 405	721, 136	706, 931	14, 205	1, 263, 902	542, 766
Michigan	1920	11	10	33	303	167	226	20, 357	36, 501	157, 139	150, 753	6,386	275, 021	118,782
	1927	0	11	26	310	180	136	23, 932	36, 461	101, 337	96, 824	4,513	202, 162	100,825
	1919	42	19	100	1, 200	935	265	44, 933	108, 000	860, 501	844, 549	21,952	1, 238, 782	372,231
Missouri	1020	9	29	80	1,009	50	959	87, 630	85, 077	515, 776	481, 189	34, 587	1, 034, 926	519, 150
	1027	5	16	65	502	55	507	44, 508	113, 803	370, 274	338, 877	31, 307	740, 461	379, 187
	1010	13	28	64	1,001	044	57	68, 328	71, 274	552, 113	536, 086	10, 027	1, 022, 673	470, 560
New Jersey	1929	9	11	40	443	285	158	31,392	32, 793	261, 078	252, 400	8,078	514, 009	252, 031
	1927	5	7	20	258	210	48	8,670	20, 999	96, 841	92, 598	4,243	101, 078	64, 237
	1919	17	5	31	428	408	20	13,270	30, 518	374, 708	870, 184	4,524	578, 219	108, 511
New York	1929	45	55	247	2, 097	711	1, 386	112,001	260, 177	1, 670, 000	1, 600, 038	01, 052	2, 668, 607	907, 917
	1927	44	84	274	2, 541	626	1, 915	181,394	339, 483	1, 611, 174	1, 547, 630	03, 535	2, 885, 638	1, 273, 864
	1919	100	130	488	4, 420	3, 271	1, 158	204,050	531, 252	4, 958, 723	4, 876, 684	82, 030	7, 227, 741	2, 209, 018
Oregon	1929 1927 1919	(4) 10	(1) 14	(1) (0)	(9) (219	(¹) ₄₀	179 (1) 170	16, 511 (4) 24, 872	34, 008 (1) 50, 000	116, 700 (1) 370, 606	112, 943 (4) 370, 506	3, 856 (1) 0, 100	207, 893 (1) 529, 403	90, 594 (1) 149, 707
Pennsylvania	1020	0	11	38	396	225	171	10,750	49, 400	204, 408	195, 258	9, 150	420, 914	216, 506
	1927	7	29	40	203	06	137	41,880	61, 827	314, 044	804, 754	9, 290	503, 370	249, 326
	1910	42	75	126	625	524	101	114,216	132, 983	1, 141, 509	1, 126, 622	14, 977	1, 806, 432	664, 833
Texas	1020 1027 1019	6 7	17 21 48	26 43 64	75 04 37		75 64 37	42,730 54,729 107,503	26, 465 30, 692 56, 468	230, 914 321, 103 383, 831	235, 979 316, 698 381, 464	3, 935 4, 405 2, 867	517, 434 083, 441 782, 272	277, 520 362, 338 398, 441
Washington	1929	0	12	30	579	25	554	22, 140	87,764	216, 064	203, 453	12, 611	408, 325	192, 261
	1927	7	11	30	269	30	230	15, 253	35,607	130, 030	135, 472	4, 458	307, 763	167, 833
	1919	19	27	98	1,147	223	024	54, 747	135,270	425, 392	401, 759	23, 633	002, 402	477, 100
Groups of States:	1929	5	22	64	214	75	130	43,587	52,018	481, 020	473,758	7, 208	685, 919	204, 893
	1929	3	7	36	329	20	809	7,320	20,700	121, 741	118,120	3, 615	221, 000	99, 259
	1920	4	6	0	116	40	70	10,500	11,337	88, 150	85,800	2, 353	101, 328	78, 169
Wis., 1 Iowa, 1 est.; Kans., 4 Me., 2est.; N.H., 1; Vt., 1 Md., 2 est.; Va., 2 Okla., 1 est.; Tenn., 2.	1929 1929 1929 1929 1920	5 5 4 4 3	16 7 2 6 12	32 16 8 56 20	374 357 81 333 23	70 123 5 15	304 234 70 318 23	58,865 7,000 1,710 10,420 29,603	41, 918 16, 358 4, 557 53, 381 29, 162	265, 736 106, 864 20, 465 175, 892 202, 408	258, 231 105, 084 10, 040 172, 245 258, 881	7,505 1,780 816 3,047 8,617	452, 386 188, 886 45, 034 300, 091 483, 442	186, 649 82, 022 24, 569 124, 199 220, 944
States not shown sepa-	5 1927	38	81	453	1,684	3, 842	1, 467	174,011	382, 947	1, 982, 101	1, 943, 012	30, 089	8, 447, 053	1, 404, 052
rately,	5 1919	191	175	555	5,034		1, 192	277,262	485, 364	3, 623, 830	3, 582, 202	91, 628	5, 734, 157	2, 110, 327

¹ Not including proprietors and firm members. The total numbers of persons engaged and the numbers of proprietors and firm members, as reported for this industry are as follows: For 1929, total 1,367; proprietors and firm members, 105; for 1927, total, 1,550; proprietors and firm members, 112; for 1919, total, 3,833; proprietors and firm members, 724.

3 The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products.

⁷ The figures for 1929 refer to sales (shipments or deliveries) by manufactures, those for carrier years 1970 and products.

1 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Withheld from publication in order to avoid disclosing data for individual establishments.

5 Alabama, 2 establishments; Arkansas, 3; Idaho, 4; Indiana, 2; Kansas, 3; Kentucky, 1; Louisiana, 2; Maine, 2; Maryland, 1; Minnesota, 1; Ohio, 4; Oklahoma, 1; Oregon, 3; Tennessee, 1; Vermont, 1; Virginia, 4; West Virginia, 2; Wisconsin, 1.

6 Alabama, 2 establishments; Arkansas, 3; Delaware, 1; District of Columbia, 2; Florida, 1; Georgia, 2; Idaho, 4; Indiana, 3; Iowa, 2; Kansas, 7; Kentucky, 5; Louisiana, 1; Maine, 47; Maryland, 5; Minnesota, 1; Mississippi, 1; Montana, 1; Nebraska, 4; New Hampshire, 14; Ohio, 18; Oklahoma, 1; Rhode Island, 0; Tennessee, 2; Utah, 2; Vermont, 33; Virginia, 11; West Virginia, 7; Wisconsin, 2.

TABLE 3.—PRODUCTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1923 TO 1929

[The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations — Value of Products]

GLASS	1929	1927	1925	1923	CLASS	1929	1927	1925	1923
Vinegar and elder industry, all products, total value		\$10, 755, 246	\$12, 233, 099	\$12, 535, 126	5. Vinegar and cider made as sec- ondary products of other in- dustries (principally canning				
2. Vinegar 3. Cider 4. Other products (not nor-	1, 444, 400	7, 556, 885 1, 407, 243	9, 602, 478 1, 500, 231	9, 837, 218 1, 529, 252	and preserving)	\$8, 251, 386	\$4, 456, 507	\$7, 163, 313	\$5, 588, 756
mally belonging to the in-	905, 239	1, 791, 118	1, 130, 390	1, 168, 656	total (sum of 2, 3, and 5)	17, 796, 479	13, 420, 635	18, 266, 022	16, 955, 226
					VinegarOider	15, 872, 207 1, 924, 272	11, 568, 353 1, 854, 282	16, 317, 718 1, 948, 304	14, 965, 827 1, 989, 399

TABLE 4.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	1	929	19	927	19	925	1	919	1	914	PER ( DISTRIE OF R HORBEI	BUTION ATED FOWER
	Num- ber	Capac- ity	Num- ber	Capac- it y	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate	1,005	Horse- power 8, 674	957	Horse- power 7, 562	834	IIorse- power 6, 929	1,313	Horse- power 17, 943	850	Horse- power 13, 117	100.0	100.0
Prime movers, total	80	2, 346	79	2, 098	130	2, 579	657	13, 006	609	11, 280	27. 0	72. 5
Steam, total	63	2, 049	47	1, 494	74	2,057	276	7, 863	312	7, 188	23. 6	43.9.
Engines Turbines	63	2, 049	47	1, 404	74	2, 057	271 5	7, 783 80	{i}	(1)	23, 6	43.4 0.5
Internal-combustion engines. Water wheels and water turbines.	13 4	186 111	29 3	511 91	52 4	431 01	295 86	2, 806 2, 337	224 73	2, 201 1, 840	2, 1 1, 3	15.6 13.0
Electric motors driven by purchased energy	925	6, 328	878	5,466	704	4, 350	056	4,037	247	. 1, 828	73.0	27.5
Electric motors, total	935	6, 395	903	5,608	715	4,408	763	6, 464	252	1,845	100.0	100.0
Driven by purchased energy	925	6, 328	878	5, 466	704	4, 350	056	4,937	247	1,828	90.0	70.4
porting	10	67	25	142	11	58	107	1,527	5	17	1,0	23.6
Electric onergy purchased 3	3	Kilo- watts 201 Kilowatt- hours 2, 462, 741	2	Kilo- watts 156	67	Kilo- watts 623	(2)	(2) (2)	(2)	(²)		**************************************

# TABLE 5.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average number			NUMBER I	MPLOYED	ON 15TH D	AY OF MO	NTH OR NI	EAREST RE	PRESENTA	TIVE DAY			Percen
STATE	employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mum is of maxi- mum
United States: 1929. 1925. 1919. 1914. 1909.	979 1, 248 1, 981 1, 229 1, 542	708 717 1,431 776 921	644 693 1, 375 768 891	684 761 1, 400 777 886	676 828 1, 387 776 889	710 825 1,361 778 888	724 875 1,485 815 922	779 931 1,601 882 1,057	868 1,005 1,955 1,006 1,159	1, 205 1, 518 2, 618 1, 651 2, 130	1, 844 2, 559 3, 488 2, 529 3, 464	1, 771 2, 523 3, 405 2, 477 3, 453	1, 072 1, 675 2, 226 1, 513 1, 852	34. 27. 39. 30. 25.
California. Colorado Connecticut. Illinois. Massachusetts. Michigan. Missouri. New Jersey. New York Oregon. Pennsylvania. Texas. Washington.	28 66 33 80 40 247 34 38	36 7 4 18 46 16 69 23 199 16 35 37 24	54 8 4 16 44 15 70 22 157 16 27 27	45 10 21 41 18 70 22 140 18 85 34 25	37 8 8 20 40 15 73 24 137 19 36 33 18	40 7 5 23 49 15 71 25 139 23 42 30 20	40 7 4 24 47 16 72 27 180 31 55 36 23	54 7 4 22 55 20 74 33 144 30 35 28 28	65 7 6 27 65 28 77 35 170 32 38 23 33	118 16 17 54 92 64 101 45 250 43 42 16 72	148 51 27 51 126 80 117 70 557 77 40 15	122 47 28 35 112 78 98 104 608 67 40 16	107 16 28 24 80 35 72 51 330 31 39 16	23. 13. 10. 29. 31. 18. 59. 21. 20. 83. 40.

Not called for separately on schedule.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

## Group 2.—TEXTILES AND THEIR PRODUCTS

#### THE GROUP AS A WHOLE

This group of industries may be divided into three subgroups, namely: (1) The textile-mill industries, that is, those in which are performed one or more of the processes included in the manufacture of the fabric, such as spinning cotton, silk, wool, or other fiber, weaving the fabric from yarn, dyeing and finishing yarn or fabric, and other preparatory and finishing processes; (2) industries in which the establishments cut or manufacture wearing apparel from purchased fabrics; (3) industries in which other articles, such as awnings, tents, bags, horse blankets, flags, regalia, badges, floor coverings, etc., are made from purchased fabrics. In making use of the figures for cost of materials and value of products for the group as a whole, it must be borne in mind that they include a considerable amount of duplication due to the fact that industries making wearing apparel or other articles from purchased fabrics (subgroups 2 and 3) use the products of the textile mills (subgroup 1) as their principal materials. Even within a single industry considerable duplication of this kind sometimes occurs.

The textile group occupies second place among the 16 groups of industries as ranked according to value of products, being outranked only by the "Food and kindred products" group. (See Table, p. 41.) When the comparison is made on the basis of the average number of wage earners, however, the textile group leads all others.

The following table presents summary statistics for the group as a whole, for each of its subgroups, and for each industry separately. On pages 224 to 435 are given detailed reports for the individual industries, all of which have been previously published in pamphlet form.

The tables on pages 222 and 223 show total consumption of all fibers and of purchased yarns in textile mills, by industries, for 1929, with comparative figures for earlier years.

SUMMARY FOR GROUP 2.—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and 1914 but not for subsequent years. See General Explanations—Establishments Covered—Size]

INDUSTRY	Census year	of estab-	Wage earn- ers (average for the year)	Wagos	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture !	Horsepower
Aggregate for the groups.	1920 1027 1025 1923 1921 1910 1914	27, 404 26, 843 24, 450 26, 763 25, 055 28, 451 23, 350	1, 707, 708 1, 694, 416 1, 628, 283 1, 715, 203 1, 509, 738 1, 610, 003 1, 505, 912	\$1, 733, 031, 423 1, 759, 958, 139 1, 654, 814, 270 1, 743, 797, 717 1, 472, 352, 098 1, 481, 142, 946 675, 781, 743	\$5, 103, 845, 724 4, 022, 715, 868 5, 349, 024, 770 5, 394, 441, 315 3, 801, 000, 387 5, 379, 387, 036 2, 013, 737, 838	\$9, 243, 302, 523 8, 050, 472, 873 9, 126, 154, 902 9, 402, 281, 066 6, 956, 404, 963 9, 210, 932, 957 3, 444, 810, 423	\$4, 130, 450, 700 4, 027, 757, 005 3, 770, 230, 132 4, 067, 840, 651 3, 155, 374, 570 3, 831, 545, 321 1, 431, 072, 586	4, 145, 008 4, 173, 438 3, 986, 522 3, 783, 401 (1) 3, 248, 364 2, 717, 078
Textile-mill products, total	1929	6,074	1, 006, 103	1, 052, 970, 525	2, 820, 992, 565	5,043,171,018	2, 222, 178, 463	3, 843, 398
	1927	7,244	1, 110, 733	1, 090, 734, 717	2, 762, 674, 252	4,033,281,020	2, 170, 607, 377	3, 900, 023
	1925	7,470	1, 110, 200	1, 006, 202, 329	3, 234, 634, 647	5,342,617,183	2, 108, 582, 536	3, 748, 885
	1923	7,816	1, 164, 638	1, 122, 751, 533	3, 213, 272, 073	5,527,557,687	2, 314, 285, 514	3, 550, 440
	1921	7,241	908, 557	896, 373, 363	2, 136, 803, 193	3,896,448,661	1, 759, 645, 468	(3)
	1910	7,143	1, 052, 327	910, 047, 629	3, 258, 527, 400	5,481,883,649	2, 223, 356, 149	3, 024, 486
	1914	5,042	950, 880	404, 606, 024	1, 185, 092, 964	1,935,341,548	750, 248, 584	2, 522, 862
Carpols and rugs, wool, other than rag	1929 1927 1025 1023 1921 1910 1014	07 65 69 79 72 75	32, 623 32, 820 33, 886 35, 217 22, 022 22, 933 31, 300	40, 014, 207 42, 040, 892 48, 382, 517 48, 528, 430 28, 705, 036 24, 210, 121 14, 715, 015	86, 650, 802 85, 601, 835 104, 195, 624 97, 472, 644 50, 118, 184 67, 118, 039 42, 280, 223	176, 915, 364 166, 888, 408 187, 778, 772 109, 480, 623 103, 880, 500 123, 253, 828 69, 128, 185	90, 264, 472 81, 286, 573 8 83, 583, 148 102, 007, 979 53, 762, 366 50, 135, 789 26, 847, 962	65, 205 65, 828 63, 008 53, 852 (3) 37, 593 42, 794
Cloth sponging and refinishing	1029	46	902	1, 457, 104	88, 340	3, 361, 221	3, 272, 881	800
	1027	52	736	1, 502, 111	100, 779	3, 457, 938	3, 297, 159	933
	1025	61	931	1, 889, 118	203, 429	3, 888, 852	3, 685, 423	975
	1023	65	1, 225	2, 209, 506	208, 263	4, 651, 736	4, 353, 473	911
	1021	65	1, 123	1, 769, 507	264, 300	4, 101, 084	3, 836, 784	(2)
	1019	67	1, 206	1, 564, 661	178, 161	3, 690, 858	3, 512, 007	927
	1014	51	901	058, 377	132, 653	1, 531, 317	1, 308, 664	677
Cordage and twine.	1920	123	14, 489	12, 833, 561	54, 573, 259	91, 455, 117	36, 881, 858	73, 021
	1927	116	15, 084	13, 674, 081	56, 105, 063	89, 172, 405	33, 007, 432	74, 924
	1925	118	15, 400	14, 018, 511	66, 847, 504	100, 447, 604	33, 000, 060	77, 563
	1923	121	16, 382	15, 148, 157	53, 642, 371	88, 283, 038	34, 640, 667	72, 371
	1921	118	14, 593	12, 923, 694	46, 480, 950	75, 355, 705	28, 874, 755	(²)
	1910	120	17, 622	14, 700, 061	89, 705, 282	133, 366, 476	43, 661, 104	60, 556
	1914	105	15, 769	6, 995, 596	43, 605, 473	50, 761, 486	16, 156, 013	55, 272

See lootnotes at end of summary.

SUMMARY FOR GROUP 2.—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929—Continued

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	[	[50	в потеят пея	d of this table]		enderstandere i sammande i Province and Research (Province and American Service). Province and American Service an	And the second s	and the family of the second
INDUSTRY	Census year	Number of estab- lishments	Wage carn- ers (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture i	Horsepower
Textile-mill products-Continued.		******					Consideration of the Association of Association of Association of the	September 11 and 12 and
Cotton goods	1929	1, 281	424, 016	\$324, 289, 094	\$898, 028, 977	\$1,524,177,087	\$626, 148, 110	2, 260, 346
	1927 1925 1923	1,347 1,366 1,375	467, 596 445, 184 471, 503	353, 882, 870 306, 602, 644	1,077,152,614	1, 307, 400, 612 1, 714, 367, 787 1, 901, 125, 703	637, 215, 173	2, 236, 363 2, 153, 200
Aller Agents of Man shows	1921 1919 1914	1, 328 1, 288 1, 179	412, 058 430, 966 370, 366	\$324, 289, 094 380, 909, 543 353, 882, 870 396, 002, 044 328, 226, 744 355, 474, 937 146, 129, 628	\$898, 028, 977 871, 591, 901 1, 077, 152, 614 1, 147, 372, 215 707, 442, 007 431, 602, 540	\$1, 524, 177, 087 1, 567, 400, 612 1, 714, 367, 787 1, 901, 125, 703 1, 278, 220, 831 2, 125, 272, 103, 676, 569, 116	\$626, 148, 110 696, 808, 711 637, 215, 173 753, 753, 488 570, 778, 734 847, 486, 590 244, 966, 575	2, 269, 346 2, 328, 830 2, 236, 363 2, 153, 209 (1) 1, 836, 208 1, 563, 823
Cotton small wares	1929 1927 1925 1923	202 220 230 228	15, 281 14, 058 16, 162 16, 387	15, 449, 435 15, 333, 332 15, 547, 100 15, 956, 874	33, 636, 208 32, 222, 020 41, 816, 332 38, 614, 695	05, 169, 753 64, 819, 965 74, 675, 096 73, 223, 566	31, 533, 545 32, 697, 945 32, 858, 764 34, 608, 871	27, 308 20, 205 33, 760 31, 926
Dyeing and finishing textiles	1929	732	79:327			1	230, 108, 473	1
<ul> <li>And the second of the second of</li></ul>	1919	743 697 713 599 628 507	73, 851 70, 749 63, 414 51, 510 55, 985 48, 467	94, 244, 685 91, 697, 219 83, 983, 377 72, 524, 711 58, 138, 729 57, 189, 978 24, 872, 318	235, 712, 156 210, 680, 900 220, 678, 181 199, 156, 387 141, 198, 956 174, 742, 815 56, 705, 135	465, 820, 629 409, 047, 372 8 408, 515, 484 8 366, 623, 213 276, 750, 670 323, 967, 683 109, 291, 536	230, 108, 478 195, 300, 472 187, 837, 303 \$107, 406, 826 135, 551, 714 140, 224, 808 52, 586, 401	287, 212 252, 701 204, 128 (2) 150, 857 J29, 327
Felt goods, wool, hair, or jute	1929	54	5, 540				19, 241, 856	25, 655 23, 479
controlly (And Consumble Controlly of	1027 1025 1023	50 50 53	5, 452 5, 146	7, 531, 298 6, 653, 147 6, 403, 687	26, 223, 967 23, 289, 388 26, 354, 123	45, 465, 823 41, 894, 844 43, 775, 618	19, 241, 850 18, 605, 506 17, 421, 495 18, 142, 330 12, 807, 271 16, 448, 705 5, 384, 405	23, 479 23, 478
Selfan, diversity at the formal.		49 49	5, 735 4, 180 5, 236	6, 634, 964 4, 625, 883 4, 873, 490 2, 080, 243	23, 894, 634 11, 232, 110 22, 780, 775 8, 308, 270	42, 036, 964 24, 129, 390 30, 220, 540 13, 692, 765	12, 897, 271 16, 448, 705	20, 522 (2) 16, 411
nga salah kecalan bija berajaran per	1914	58	4, 035		8, 308, 270	ſ	0,004,400	14,010
Flax and hemp, dressed	1927	6 7	47 62	35, 400 51, 390	93, 477 116, 168	197, 035 282, 895	103, 558 106, 729 214, 054	420 654
Andrew Mark Lead Maker of American Second of the Sound Street of Mark	1925 1923 1921 1919 1914	9 0 20 16	82 62 112 420 116	35, 408 51, 390 88, 534 48, 743 71, 747 447, 373 45, 271	244, 417 173, 623 201, 064 1, 708, 670 185, 247	459, 071 280, 705 267, 036 2, 369, 114 282, 648	1 107, 142	1, 457 877 (2) 1, 920 832
Haircloth	- 1929 1927	, : 13 16	450	526, 669	2, 550, 568	3,855,388 3,616,119	1 304 825	1,413
ina ing Kangdi kalèngan kanada dan gentati Kangdi		16 18 17 18 19	385 490 301 425 505	526, 669 480, 045 387, 450 464, 401 329, 110 425, 149 200, 280	2, 550, 568 2, 688, 784 1, 897, 479 2, 511, 086 1, 540, 001 2, 259, 142 1, 654, 006	3, 716, 111 2, 746, 225 3, 738, 000 2, 618, 310 3, 315, 113 2, 305, 480	848, 746 1, 221, 083	1,312 1,058 1,333 (2) 972 1,580
Hats, fur-felt	1020 8 1027	159 139	16, 539	22,502,542	55, 298, 045		46, 706, 120	10,804
the Market Superposition as a second	1925 1923 1921 1910 1914	146 163 154 176 224	16, 539 15, 806 15, 156 16, 722 13, 880 18, 510 21, 318	22, 502, 542 22, 854, 004 20, 466, 420 21, 531, 302 15, 881, 848 19, 642, 531 12, 070, 812	55, 298, 045 51, 053, 257 40, 124, 184 34, 447, 708 26, 252, 448 40, 158, 019 10, 947, 058	102, 004; 165 90, 184, 842 80, 066, 390 75, 253, 064 52, 614, 167 82, 745, 308 37, 349, 744	46, 706, 120 48, 131, 585 39, 942, 206 40, 805, 296 26, 361, 710 42, 587, 289 20, 402, 986	20, 517 17, 048 18, 488 (2) 20, 377 20, 774
Hats, wool-felt	1029 3 1927	14 12	2, 028	2, 314, 680	4, 678, 189	0, 055, 500	4, 377, 401	2,811
	1923 1921 1919	22 21 20 40 30	1, 854 1, 950 1, 428 1, 448	2, 314, 680 2, 190, 031 1, 985, 798 2, 004, 774 1, 347, 685 1, 387, 777 599, 578	4, 678, 189 4, 489, 717 5, 122, 785 4, 457, 010 2, 453, 607 3, 699, 822 978, 339	9, 055, 500 8, 806, 616 8, 948, 644 8, 643, 217 4, 964, 324 6, 730, 652 1, 944, 484	4,316,800 3,825,880 4,180,207 2,510,717 3,030,830 960,145	2, 405 2, 550 2, 762 (2) 2, 604
Jute goods	1914	20	1	4, 276, 143	11, 967, 578	21, 800, 757	1	3, 091 35, 079
	1027 1925 1923 1921 1910 1914	23 23 19 24 26 34	5, 358 6, 312 6, 042 5, 664 7, 138	4, 276, 143 4, 987, 228 5, 639, 754 5, 778, 058 4, 639, 347 6, 436, 286 3, 060, 010	11, 802, 328 14, 568, 709 12, 348, 303 8, 943, 459 17, 708, 834 12, 579, 840	23, 185, 907 27, 517, 467 25, 421, 683	11, 383, 609 12, 950, 758 13, 973, 380 8, 562, 681 16, 733, 864	0.010
Knit goods	1020	1,888	208, 488	D10 H14 D04	150 500 000		443, 015, 714	181, 879
The state of the s	1927 1925 1923 1921 1919	1, 869 1, 987 2, 323 2, 078 2, 050	186, 608 194, 244 161, 880 172, 572	210, 714, 335 188, 163, 458 168, 682, 840 168, 271, 584 132, 190, 349 125, 100, 820 59, 758, 151	456, 700, 958 424, 009, 384 453, 925, 780 484, 920, 975 360, 457, 333 427, 995, 560 140, 687, 458	899, 716, 672 816, 620, 404 809, 900, 213 848, 176, 734 634, 073, 805 713, 139, 689 258, 912, 903	302, 521, 110 350, 034, 433 364, 156, 650 273, 010, 002 280, 044, 129	177, 216 176, 630 183, 675 (2) 149, 438
Lace goods	1914	1,622	6.854					122, 919 10, 406
The state of the war and the state of the st	1927	43 42 39 37 44	7, 008 7, 307 6, 396	7, 620, 106 8, 084, 968 6, 208, 992	14 831 010	29, 237, 434 27, 298, 159 30, 843, 507 35, 701, 878 25, 981, 093 29, 396, 853 13, 206, 785	21. 160 850	11,309
Linen goods	1914	41	7,440	3, 468, 081	1	1		8, 817
	1929 1927 1925 1923 1921 1919 1914	16 18 18 18 15 10 21	2, 530 8 2, 607 2, 880 2, 519 1, 890	2, 902, 179 2, 897, 005 2, 123, 021 1, 635, 642	5, 409, 441 6, 394, 303 6, 073, 163 4, 463, 866 4, 190, 187	11, 156, 585 11, 390, 254 8, 209, 596 6, 998, 046	4, 522, 470 4, 967, 905 4, 762, 282 5, 317, 091 3, 745, 730 2, 807, 859	12, 110 0, 803 (2) 6, 060
Mats and matting, grass and coir.	1029		1.00	1	684,951	1, 692, 200	ł .	1
	1927 1925 1923 1921 1919 1914	7 7 10 11 13 12 12	902 986 628 1,073	598, 420 766, 871 896, 989 570, 134 810, 607	668, 850 1, 526, 453 1, 509, 467 1, 020, 348 2, 102, 580	1, 536, 507 3, 491, 538 3, 890, 359 2, 321, 710	1,065,085 2,380,892 1,301,302 2,758,275	(2) 1, 980
See footnotes at end of summary.	1 1914	1 12	869	455, 247	1, 170, 214	2, 235, 867	1,065,653	1, 643

## SUMMARY FOR GROUP 2.—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

Teatile-mill producte—Out tituod,    1009	Consum Number   Wage earn-   containers for												
1992   1.66		INDUST	axii (ila 11) a	Consus	Number of estab- lishments	Wage earn- ers (average for the year)	Wagos	products, fuel, and purchased	Value of products	Value added by manufacture i	Horsepower		
Week securing 1992 18	Textile	-mill products—C	ontinued.				THE PERSON NAMED OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TWO PARTY AND ADMINISTRATION OF THE PERSON NAMED IN COLUMN TRANSPORT		late es	Charles and the control of the charles are provided the control of	Acres 100 (100 - 100 (100 (100 (100 (100 (100		
Week securing 1992 18	Silk and ra	yon manufactures		1929 1927	1, 491 1, 648	130, 467 127, 643	\$137, 547, 146	\$412, 181, 260 445 300 676	\$731, 200, 231 750, 123, 705	\$319, 018, 971	220, 225		
Week securing 1992 18		ta e La transport		1925 1923	1, 659 1, 598	132, 509 125, 234	142, 733, 539 126, 849, 454	484, 122, 527 479, 038, 263	808, 070, 300 761, 322, 119	324, 856, 872 282, 283, 856	221, 249 212, 609 206, 020		
Week securing 1992 18		4		1010	1.360	121, 378 126, 782	113, 395, 626 108, 226, 330	337, 558, 790 388, 400, 022	583, 418, 756 688, 409, 523	245, 859, 957 300, 000, 501	(³) 173, 748		
Wools soorting	Wool pullir	ng		1	18	596		10, 016, 004	13, 648, 064	2 731 070	l .		
Wools soorting				1027 1025	18 23	524 573	240 250	12, 466, 056 13, 637, 313	14, 640, 401 15, 209, 221	2, 174, 345 1, 571, 908	2, 403 2, 706		
Wools soorting			$V \stackrel{\mathcal{O}}{\longrightarrow} V = V \stackrel{\mathcal{O}}{\longrightarrow} V$	1021	27 22 24	552	803 475	5, 197, 005 12, 800, 502	15, 170, 021 6, 767, 161 17, 361, 931	3,867,800 1,570,066	1 (3)		
1925				1914	34	708		6, 632, 101	8, 272, 721	1, 640, 620	2, 162 2, 248		
2010   33	Wool scour	ing	4   1.	1020 1927 1025	21 25 25	1,386	1,770,974 1,981,774	3, 021, 731 3, 009, 056	0, 241, 204 0, 661, 994	3, 219, 533 3, 052, 038	8, 241 7, 935		
Vocal shooldy 1029 1029 1030 1, 7272 2, 189, 574 10, 194, 777 15, 344, 978 10, 194, 777 15, 344, 978 10, 194, 777 15, 344, 978 10, 194, 777 15, 344, 978 10, 194, 777 15, 344, 978 10, 194, 777 15, 344, 978 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194, 778 10, 194,				1923	26 26 24	1, 112	2, 025, 307 2, 067, 467	4, 528, 082 3, 303, 717	8, 100, 001 6, 819, 605	3, 304, 314	0,970		
Vools shooldy 1929   1929   190   1,707   2,189,574   19,191,777   15,344,078   4,105,561   15,30   1927   15,344,078   4,105,561   15,30   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   19				1010 1014	33	2, 177 1, 050	2, 806, 453 616, 503	7, 228, 850 3, 176, 438	13, 679, 584 4, 565, 412	6, 451, 234 1, 388, 974	0, 710 7, 570		
Worked goods. 1914 61 2, 46 1, 100, 142 1, 5, 20, 60 2 2, 400, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00, 400 12, 2 4 00,	Wool shode	dy		1020		1,762			15, 344, 978				
Worled goods.   1946   0.1   2.1   4.5   1.10   1.12   1.5   2.0   0.0   1.5   2.4   0.0   1.0   1.5   2.4   0.0   1.0   1.5   2.4   0.0   1.0   1.5   2.4   0.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0				1025 1023	68 60	2, 218 2, 128	2, 000, 261 2, 442, 522	14, 912, 450 10, 627, 386	21, 021, 882 16, 607, 515	0, 100, 426 0, 070, 120	15, 435 15, 435 12, 490		
Worsted goods   1920   460   88, 474   60, 613, 608   105, 809, 603   200, 888, 808   15, 600, 805   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 809   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 809, 808   109, 200, 808, 808   109, 200, 808, 808   109, 200, 808					78	1, 170	1, 256, 249 2, 653, 169		6, 803, 118 23, 254, 308	2, 323, 162 7, 178, 083	(2) 16, 567		
1925   1926   1927   1926   1927   1926   1927   1926   1927   1926   1927   1927   1927   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928   1928	Woolen god	nds	e North Lea	1929						125, 056, 886	106 247		
Worsted goods	r ,	*	Maria de la compania	1925	503		72, 150, 158 82, 430, 037	172, 700, 233 210, 018, 330	301, 308, 743 301, 524, 034	128, 608, 510 141, 905, 704	191, 703 193, 080		
Worsted goods			A STATE	1021	403	72, 408 56, 434	62, 803, 150 62, 803, 150	201, 647, 430 120, 275, 820 217, 005, 338	230, 044, 847 230, 044, 847	102, 740, 387 110, 660, 027	180, 657		
1025   522   523   524   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525   525					501				103, 815, 005				
Wearing apparel made from pirchased fabrics total 1020 10,105 533,601 500,605,848 1,867,641,707 3,630,401,630 1,068,008,700 1127 15,480 601,566 678,152,148 1,771,800,133,434,848,642 1100,701 10,101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1	Worsted go	oods		1920 1927	288	88, 485 02, 571	98, 137, 732 101, 665, 747	330, 649, 459 320, 407, 600	536, 007, 399 516, 069, 550	199, 417, 940 187, 201, 947	372, 536 364, 422		
Wearing apparel made from purchased fabrics.    1920				1921	338 321	122, 144 105, 030	135, 670, 814	421, 184, 417 270, 769, 742	608, 270, 621 524, 638, 921	277, 086, 204 244, 860, 170	357, 808		
Wearing apparel made from pirchased fabrics total 1020 10,105 533,601 500,605,848 1,867,641,707 3,630,401,630 1,068,008,700 1127 15,480 601,566 678,152,148 1,771,800,133,434,848,642 1100,701 10,101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,1001,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1100,77 1101,441 1	1.1.3.44	6 - 1, 1, 1	er at production	1919 1914	202 208	103, 830	101, 512, 855 51, 748, 905	447, 620, 360 182, 800, 624	700, 537, 482 275, 668, 474	252, 008, 132 92, 807, 850	204, 028 242, 521		
1025   1,4   283   304, 500   363, 263   1,74, 317, 323   3,245, 344, 344, 347, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 341   1,307, 3	Wearin	ng apparol mado f	rom purchased fab	orice, 1020	10.105	1 1 2 2 2	1 1	- 1	1		i		
Clothing (except work clothing), men's, youths', and boys', not slaw here classified.  1920 1927 1928 1928 1928 1928 1928 1928 1928 1929 1928 1929 1929	ęou.	****************	A service of	1025	15,486 14,883	501,656 406,846	578, 152, 148 534, 823, 022	1,771,800,310 1,741,617,883	3, 391, 880, 761 3, 243, 848, 944	1, 619, 090, 441	120, 723 110, 744		
Clothing (except work clothing), mon's, youths', and boys', not elsewhere classified 1920   3, 601   149, 808   179, 708, 808   440, 504, 679   691, 104, 205   440, 503, 602   410, 200   414, 616   414, 611   170, 614, 721   417, 621, 220   644, 724, 416   447, 721, 613   424, 722, 611   427, 722, 611   427, 722, 611   427, 722, 611   427, 722, 611   427, 722, 611   427, 722, 612   427, 621, 220   427, 427, 427, 427, 427, 427, 427, 427,				1921	16, 904 16, 784	490, 413 473, 574	508, 138, 539 534, 312, 484	1, 852, 228, 720 1, 424, 284, 434	3, 443, 939, 806 2, 710, 656, 748	1, 591, 711, 086 1, 280, 372, 314	132, 317		
Clothing, work (including sheep-lined and blanket-lined work coats but not including sheep-lined sheep	* ************************************	Section 12 To the section of the sec		1914	18,770	507, 700 510, 595	250, 112, 677	073, 011, 707	1, 207, 273, 643	1, 452, 215, 748	131, 965 117, 911		
Clothing, work (including sheep-lined and blanket-lined work coats but not including shirts), mon's.  1020 1027 550 40, 012 20, 047, 078 40, 023 1027 550 40, 013 20, 047, 078 40, 023 40, 013 20, 047, 078 40, 023 40, 013 20, 047, 078 40, 023 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 013 40, 0	Clothing (	(except work clot s', not elsewhere c	hing), mon's, you inssilled.	ths', 1920	3, 091	149, 868	179, 768, 808	440, 504, 070	001, 104, 205	460, 500, 226	40, 325		
Clothing, work (Including sheep-lined and blanket-lined work coats but not including shirts), mon's.  1027 550 40, 40, 612 20, 415, 615 85, 134, 183 147, 289, 025 02, 164, 813 11, 21, 1027 1028 1028 1028 1028 1028 1028 1028 1028			3 3 11 11		3, 491	146,099 141,511	184, 613, 090 179, 044, 721	447, 244, 635 471, 501, 200	932, 181, 718 940, 274, 140	484, 037, 083 474, 772, 031	34, 351 33, <b>2</b> 07		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		and the second second			3.73			1 4					
Clothing, men's, buttonholes	lined wo			1027	550	40, 012	29, 945, 915	85, 194, 183	138, 450, 078 147, 280, 025	54, 898, 363 62, 154, 842	11, 492 11, 218		
1027   40   412   428, 817   98, 020   917, 032   819, 003   16   1023   37   334   400, 251   103, 080   804, 227   701, 347   705   1024   37   320   347, 078   77, 406   046, 047   508, 691   1010   1010   107   484   514, 600   123, 206   1,000, 040   906, 783   11   1010   1010   107   24   3,270   329, 322   00, 012   037, 728   647, 710   21   1025   28   7, 187   5, 502, 202   11, 792, 400   27, 857, 775   16, 705, 203   4, 44   1025   1023   37   10, 440   7, 950, 700   18, 800, 800   42, 207   7, 807, 780   4, 44   1023   37   10, 440   7, 950, 700   18, 800, 800   42, 606, 218   24, 206, 638   6, 600, 677   18, 206, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 702, 400   10, 203   1, 703, 703   1, 703, 703   10, 203   1, 703, 703   10, 203   1, 703, 703   10, 203   1, 703, 703   10, 203   1, 703, 703   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203   10, 203		en e	and the same	+ 1923			24, 802, 629 28, 234, 741	100, 877, 194	161, 993, 020	54, 994, 291 01, 115, 832	11, 542 12, 302		
Collars, men's	Clothing,	men's, buttonhole	)S	1027	40	412	314, 192 428, 817	00, 702 98, 020	573, 009 917, 932	513, 117 819, 003	104 132		
Collars, men's	1.1		3.1	1023	37	334	340, 805 400, 251	. 103,080	004, 427	587, 017 701, 347	105		
Cotlars, men's.				1919	107	484 672	514, 600 326, 322	123, 206 90, 012	1,090,049	966, 783	176		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Collars, m	en's		1020	15	2,052	2, 203, 335	3, 030, 108	0.00				
Furnishing goods, mon's, not elsewhere classified	*	100		1025	28	3, 270 7, 187 10, 440	5, 502, 938 7, 969, 700	11, 792, 449 18, 360, 580	27, 587, 675	15, 795, 226	4,497		
Furnishing goods, men's, not elsewhere classified   1020	500			1921	34 80	9, 285 11, 103	7, 061, 018 7, 430, 729	12, 374, 054 19, 434, 095	47, 564, 949	28, 130, 854	(2) 5, 276		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Promotolsta.	المراكب المستعدد			1	10, 100	2, 404, 140	0,000,010	100000000000000000000000000000000000000		the second		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	r arthsum	R Roods' mon.s' no	or olsownoro classili	1927	534	25, 183	17, 438, 160	60, 861, 348	1 120, 867, 596	51, 006, 248	4, 977		
Gloves and mittiens, cloth or cloth and leather combined, made from purchased fabrics.				1923 1921	454 421	18,958 15,921			102, 051, 687 77, 526, 542	45,714,808 30,333,431	(2) 5, 470		
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.	1 1 3 12 2			1014	551	18, 944 22, 459	The second state	,	107, 834, 695 52, 453, 338	43, 090, 788 20, 859, 890	5,659		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Gloves an	d mittens, cloth o	r cloth and leather sed fabrics	1920		9, 279	5.014.275	19, 289, 284	20, 882, 968	10, 503, 724	3, 702		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4 E 10	per je North	Activities in	1927 1925	131	10, 296 9, 061	5, 709, 401	17, 977, 323	30, 202, 152 29, 531, 716	12, 809, 986 11, 554, 393	פחור ג וי		
[-107D   1000   2) 000   2) 000   20   20   20   2	576 J. 576 J.	Control of the contro		1923 1921	1 128	8,864 5,758 8 09n	0, 290, 095 3, 294, 079 4, 855, 246	18, 292, 054 10, 191, 476 10, 092, 409	15, 212, 899	5,021,423	(1) 3, 364		
				1 - 1010	. 102	, 1 0,000	. 4,000,240	. 10,004,402			1 0,004		

SUMMARY FOR GROUP 2.—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929-Continued [See note at head of this table] Cost of materials. containers for products, fuel, and purchased electric energy Number of estab-lishments Wage earn-Value added by manufacture 1 Horsepower Census Wages Value of products ers (average for the year) INDUSTRY Wearing apparel made from purchased fabrics, total—Continued. \$35, 900, 684 41, 213, 965 43, 822, 729 42, 811, 444 36, 987, 908 44, 539, 801 18, 593, 221 \$18, 993, 003 20, 511, 609 21, 124, 000 20, 561, 262 18, 450, 026 20, 303, 347 0, 325, 644 \$16, 907, 661 20, 702, 296 22, 698, 729 22, 250, 182 18, 536, 982 \$7, 094, 078 9, 126, 438 9, 242, 037 9, 593, 883 8, 701, 150 9, 438, 864 5,826 6,300 6,552 7,313 6,505 7,539 7,322 576 568 579 651 584 709 580 1,000 1,876 1,782 Hats and caps, except felt and straw, men's.....  $\frac{1927}{1925}$ 1923 (2) 1921 1919 1914 1,687 1,313 24, 176, 514 4, 507, 521 9, 287, 577 228, 321, 616 241, 649, 939 225, 962, 922 241, 331, 226 203, 944, 376 205, 327, 133 95, 815, 013 111, 043, 120 111, 006, 202 96, 200, 170 101, 976, 865 80, 685, 196 78, 239, 388 45, 150, 039 17, 040 14, 016 13, 884 43, 428, 224 42, 997, 827 35, 673, 731 87, 943, 405 33, 182, 332 25, 833, 855 116, 678, 498 59, 830 863 1020 120, 743, 737 129, 753, 752 139, 354, 361 123, 259, 180 127, 087, 745 50, 664, 974 Shirts 57, 216 40, 864 51, 672 45, 427 30, 603 907 840 934 1927 1925 14, 050 (2) 14, 890 17, 117 1923 1021 880 51, 972 19, 169, 697 Suspenders, garters, and other elastic woven goods, made from purchased webbing. 12, 567, 421 10, 725, 693 11, 004, 113 10, 363, 270 30, 473, 169 26, 985, 376 27, 504, 028 24, 297, 342 1,180 17, 905, 748 16, 259, 683 16, 499, 915 18, 934, 072 3, 971, 030 3, 529, 147 3, 072, 392 2, 891, 526 1929 1927 4, 341 4, 061 3, 835 3, 458 983 876 91 93 100 800 1 1923 934, 413, 683 809, 520, 125 724, 298, 974 809, 560, 802 507, 810, 452 680, 406, 844 252, 345, 040 1, 709, 580, 505 1, 494, 401, 044 1, 293, 705, 291 1, 406, 683, 835 1, 022, 742, 790 35, 291 187, 500 154, 450 126, 466 183, 195 144, 865 775, 166, 822 8, 082 7, 588 6, 127 7, 046 7, 061 7, 711 5, 564 243, 851, 143 211, 340, 759 1929 1927 1925 775, 106, 822 684, 880, 010 569, 406, 317 597, 123, 033 454, 932, 344 528, 136, 284 Clothing, women's, not elsewhere classified ..... 30, 287 24, 316 27, 704 175, 044, 511 176, 445, 518 185, 082, 108 195, 295, 834 1023 (4) 32, 421 27, 874 1021 1010 1014 1, 208, 543, 128 473, 888, 354 165, 649 168, 907 221, 543, 314 92, 573, 642 12, 440, 334 12, 402, 288 12, 394, 094 13, 258, 200 13, 102, 159 13, 082, 242 7, 976, 721 36, 035, 079 35, 394, 422 37, 808, 237 38, 416, 008 38, 857, 277 38, 815, 803 19, 586, 533 76, 802, 199 6,048 213 222 185 216 13, 664 18, 778 14, 525 16, 104 17, 084 18, 415 40, 707, 120 Corsets and allied garments..... 1020 76, 802, 166 77, 218, 202 77, 114, 840 78, 047, 959 75, 600, 156 75, 541, 959 41, 823, 780 39, 306, 603 39, 631, 951 36, 742, 879 36, 726, 150 7, 819 8, 394 5, 901 1027 1025 1025 1023 1021 (2) 173 188 167 6,956 6,962 1919 40, 550, 702 20, 964, 169 20, 496 29, 553, 777 31, 588, 220 13, 211, 042 13, 382, 983 2,409 2,665 16, 342, 735 105 115 1929 4 1927 Handkerchiefs..... 18, 205, 237 10, 176 7, 920 97, 603, 798 106, 005, 114 42, 715, 059 46, 787, 735 195, 693, 457 209, 494, 828 08, 089, 050 103, 489, 714 1,293 1,148 Millinery..... 248, 270, 577 237, 159, 187 105, 410, 535 101, 844, 051 109, 356, 794 155, 973, 424 664, 090, 989 625, 310, 493 539, 088, 775 490, 784, 573 349, 359, 554 530, 902, 966 212, 105, 232 Other articles made from purchased fabrics, 415, 811, 302 388, 151, 306 374, 272, 240 328, 940, 522 240, 002, 760 374, 920, 542 155, 633, 107 75, 074 73, 027 51, 228 51, 242 42, 607 49, 976 44, 437 83, 402, 050 82, 071, 274 53, 728, 925 52, 907, 645 41, 667, 251 44, 140, 107 1929 1927 1925 1923 4, 235 4, 113 2, 097 2, 043 1, 930 2, 530 2, 455 104,720 140,692 117,893 94,644 (1) 91,913 1921 1919 1914 76, 305 21, 063, 042 22, 267, 938 21, 827, 945 31, 238, 279 22, 624, 398 11, 247, 109 18, 132, 204 4, 108, 256 32, 961, 252 34, 228, 101 40, 931, 682 33, 557, 634 15, 515, 739 10, 093, 314 12, 400, 456 9, 693, 403 10, 933, 230 4, 268, 630 8, 149, 762 14, 650 14, 467 10, 593 3, 955, 702 4, 006, 013 3, 800, 990 3, 234, 671 1, 801, 384 2, 103, 171 484, 578 2, 590 2, 730 2, 659 2, 462 1, 444 2, 011 17 1920 19 18 17 19 17 8, 369 1923 1921 1919 1914 (2) 4, 952 1, 674 26, 281, 966 6, 007, 293 1, 989, 037 14, 278, 805 10, 186, 450 14, 930, 401 9, 139, 914 3, 716, 611 11,092 8,004 9,575 2,700 31, 888, 902 34, 100, 585 32, 532, 483 25, 280, 100 10, 147, 305 17, 610, 157 17, 914, 126 17, 601, 662 16, 140, 246 0, 430, 694 2, 345 2, 442 2, 464 1, 082 810 14 12 11 3, 501, 238 3, 694, 808 3, 337, 770 2, 203, 611 1929 Asphalted-felt-base floor covering 1927 1925 1923 1921 10 The design of the second of th (1) 25, 328, 140 24, 409, 718 27, 453, 150 25, 229, 222 21, 327, 125 26, 961, 140 10, 155, 101 40, 237, 576 47, 029, 352 48, 568, 084 45, 275, 756 37, 011, 718 45, 690, 390 18, 138, 326 8, 559, 321 8, 229, 362 7, 500, 561 6, 922, 938 5, 930, 577 5, 858, 523 2, 953, 884 4, 995 4, 850 4, 504 4, 728 7, 162 6, 543 6, 249 5, 958 5, 070 6, 028 23, 900, 436 1, 002 963 905 814 Awnings, tents, sails, and canvas covers.... 1020 20, 046, 534 15, 684, 593 18, 729, 250 7, 983, 225 1923 (2) 709 895 888 1021 4, 571 2, 602 1010 5,073 170, 175, 893 162, 949, 837 175, 081, 911 151, 675, 727 115, 452, 413 214, 059, 474 79, 049, 151 144, 275, 477 136, 748, 406 150, 102, 277 128, 221, 603 90, 437, 815 11,828 11,164 11,404 11,548 10,324 10,756 9,858 9, 644, 876 9, 548, 317 9, 331, 816 9, 360, 609 8, 031, 523 7, 756, 582 3, 788, 837 19, 159 25, 900, 416 202 181 162 169 169 216 1929 Bags, other than paper, not made in textile mills... 26, 900, 410 26, 201, 431 24, 979, 634 23, 464, 124 16, 014, 598 38, 041, 914 15, 754 15, 295 1027 August August Berthalt August August Berthalt August Berthalt August Berthalt August Berthalt 1925 1923 1921 1919 13,852 (2) 9,076 10,381 176, 017, 560 67, 021, 376 12, 027, 775 Belting, other than leather and rubber, not made in textile mills 1, 048 1, 457 914 930 1, 328, 090 1, 489, 841 1, 595, 602 1, 674, 041 2, 788, 627 3, 211, 875 3, 111, 500 3, 311, 527 1,400,537 1,722,034 1,515,898 1,637,486 298, 910 410, 698 264, 240 11 11 13 1927 343 254 335 350, 736 3, 851, 831 4, 253, 804 3, 707, 478 4, 002, 274 3, 221, 234 3, 559, 183 2, 064, 711 1, 658, 937 1, 636, 371 1, 942, 334 2, 095, 167 1, 039, 171 2, 037, 874 721, 728 1, 562, 372 1, 677, 572 1, 875, 750 1, 856, 701 1, 440, 407 1, 550, 501 994, 608 5, 510, 768 5, 890, 265 5, 709, 812 6, 097, 441 4, 860, 405 5, 597, 057 2, 786, 439 1,529 1,633 1,901 2,041 1,576  $\frac{2,416}{2,005}$ 1929 Carpets and rugs, rag 1927 110 2, 340 2, 587 139 151 149 339 463 1925 1923 (2)

2, 016 2, 130

7, 867, 908 10, 962, 090

6, 608, 840 7, 959, 769

25, 286, 706

2, 659 2, 656

2,279 2,930

18, 677, 956

24, 459, 119

See footnotes at end of summary.

Embroideries....

1921

1919 1914

1020 1027

## SUMMARY FOR GROUP 2.—TEXTILES AND THEIR PRODUCTS: 1914 TO 1929—Continued

[See note at head of this table]

INDUSTRY	Consus year	Number of estab- lishments	Wago carr ers (averag for the yea	Wnges	Cost of materials containers for products, fuel, and purchased electric energy	Value of products	Value added by manufacture i	Horsepower
Other articles made from purchased fabrics—Continued.								The striking of the second
Flags and banners	1029 1927	54 46	93 1,04	\$794, 328 897, 906	\$1,771,320 2,282,450 2,332,222	\$3, 835, 824 4, 530, 348	\$2,064,504 2,253,892	577
	1925 1923 1921 1910 1914	40 52 57 70 87	1, 03 87 90 1, 00 1, 49	890, 420 758, 485 776, 931 795, 242	2, 332, 322 2, 024, 130 1, 850, 933 3, 286, 165 1, 750, 004	4, 588, 111 3, 807, 308 3, 630, 900 5, 346, 080 3, 601, 310	2, 255, 889 2, 255, 889 1, 783, 178 1, 786, 667 2, 050, 924 1, 851, 216	700 629 748 (²) 778 037
Hut and cap materials, men's	1920 1927	112 96	2, 50 2, 70	2, 875, 718			7, 725, 828 7, 067, 549	5, 164 5, 158
	1925 1923 1921 1919 1914	80 104 103 133 98	2, 12 2, 30 1, 72 3, 00 1, 77	2, 410, 808 1, 737, 221 3, 132, 571	17, 306, 115 15, 671, 702 15, 218, 093 13, 863, 235 6, 713, 371 16, 643, 919 5, 051, 857	22, 040, 047 20, 507, 502 11, 545, 326 26, 521, 212 6, 929, 342	0, 830, 054 0, 644, 357 4, 831, 955 0, 877, 293 1, 877, 485	(2) 4, 927 2, 946
Horse blankets, fly nots, and related products	1927	14 16	58 66	574, 177	1, 470, 670 1, 877, 806	2, 895, 158 3, 379, 105	1, 424, 488 1, 501, 209	1,375 1,421
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1925 1923 1921 1919 1914	20 22 27 28 37	40 84 70 76 1, 66	1 504, 061 1 609, 555 5 682, 175 1 551, 278	2, 535, 217 2, 773, 844 2, 077, 487 3, 455, 080 3, 508, 700	3, 890, 918 5, 130, 544 3, 834, 586 6, 920, 912 5, 150, 482	1, 361, 701 2, 362, 700 1, 157, 099 2, 564, 926 1, 581, 713	1, 773 2, 900 (2) 1, 577 1, 903
House-furnishing goods, not elsewhere classified	1029 1027	064 548	15, 70 11, 60	16, 150, 490 10, 947, 259 9, 142, 570	76, 621, 989 52, 704, 730	127, 602, 602 87, 676, 606 78, 654, 563	50, 977, 913 34, 971, 870 27, 575, 703	16, 800 12, 997
	1925 1923 1921 1910 1914	433 452 419 467 370	9, 30 8, 70 7, 50 7, 85 6, 93	8, 454, 360 6, 955, 472 6, 443, 915	51, 078, 800 44, 666, 898 35, 106, 227 39, 703, 962 17, 396, 886	78, 054, 563 69, 333, 182 54, 550, 787 60, 211, 804 20, 452, 037	27, 575, 703 24, 060, 284 19, 444, 560 20, 417, 842 0, 062, 051	10, 702 0, 969 (2) 11, 857 11, 276
Linoleum	1929 1927 1925 1923 1921	7 7 6 7 0	5, 54 5, 30 4, 87 0, 20 4, 87	1 8, 176, 644 2 0, 392, 699 1 8, 375, 839	27, 480, 253 24, 215, 018 19, 000, 020 27, 277, 311 21, 918, 444	57, 250, 449 47, 442, 441 44, 999, 453 52, 527, 106 38, 474, 848	20, 761, 106 23, 220, 823 25, 032, 827 25, 240, 705 16, 550, 404	51, 047 41, 432 31, 840 23, 205
Nets and scines	1027	19 21	90 80	776, 326	3, 780, 306 3, 347, 710	6, 164, 403 6, 401, 173 6, 157, 491	2, 375, 047 2, 053, 454	1, 155 1, 162
	1025 1023 1021 1010 1014	21 21 17 15 19 15	88 88 70 88 1,05	2 749, 482 5 495, 015 501, 282	1.045.740	5, 157, 491 4, 627, 692 3, 015, 865 5, 114, 414 3, 088, 042	1, 078, 498 1, 470, 305 1, 070, 110 1, 400, 208 830, 040	1, 190 1, 082 (7) 050 1, 934
Oileloth	1020 1027	9 8	1, 41 1, 07	2 1.745.575	14, 024, 051 11, 818, 624	23, 107, 272 17, 642, 442	8, 182, 621 5, 823, 818	5, 017 3, 565
	1025 1023 1021 1010 1014	9 9 10 11 13	1, 16 1, 20 94 1, 13 1, 22	3 1, 781, 010 7 1, 337, 126 0 1, 200, 877	13, 540, 171 12, 165, 028 0, 283, 093 11, 140, 723 6, 523, 087	17, 843, 376 17, 719, 054 13, 001, 448 15, 430, 876 7, 006, 025	4, 204, 204 5, 554, 026 4, 407, 455 4, 296, 152 1, 472, 038	3, 484 2, 886 (7) 4, 251 3, 490
Regalia, badges, and emblems	1020 1027 1025 1023 1021 1010 1014	77 76 85 84 81 115 138	1, 75 1, 67 1, 90 2, 14 2, 20 2, 22 2, 01	5   1,700,438 2   2,032,832	3, 227, 230 3, 018, 948 3, 962, 201 4, 242, 715 4, 422, 824 4, 287, 055 2, 205, 008	7, 027, 214 7, 001, 253 9, 623, 018 10, 586, 846 10, 359, 349 9, 305, 470 5, 025, 451	4, 690, 978 4, 672, 305 5, 690, 757 6, 343, 131 5, 936, 525 5, 108, 415 2, 820, 383	1, 105 1, 015 1, 068 1, 100 (7) 1, 321 655
Trimmings (not made in textile mills) and stamped art goods for embroidering	å 1929	639	7, 93	Ω, 701, 881	20, 783, 220	45, 179, 933	24, 396, 707	3,068
Upholstering materials, not elsewhere classified	1020 1927 1025 1923 1021 1919	53 30 34 35 35 51	1, 41 1, 08 1, 19 1, 24 74 1, 55	1, 174, 403 1, 270, 830 0 685, 520 7 1, 379, 633	4, 794, 722	11, 234, 192 9, 672, 800 7, 907, 832 7, 641, 270 4, 081, 273 8, 604, 295	4, 187, 858 3, 116, 697 2, 875, 055 3, 103, 492 1, 303, 561	3, 915 4, 482 3, 380 2, 442
Wasto 4	1014	70 136	2, 45 3, 90	1, 100, 525	5, 285, 118	(, 0, 0, 0, 0,	3, 899, 573 2, 593, 689 10, 380, 690	4, 338 6, 198 18, 592
	1027 1025 1923 1021 1010 1014	118 105 88 87 98 79	3, 49 3, 03 2, 74 1, 80 2, 81 3, 08	2,852,971 2,569,827 2,468,612 1,428,747 2,224,872	25, 633, 015 23, 040, 303 20, 705, 941 25, 247, 902 12, 632, 418 22, 710, 612 15, 472, 774	36, 013, 705 33, 377, 270 38, 942, 505 33, 700, 725 16, 701, 004 30, 683, 825 17, 958, 627	10, 380, 600 10, 327, 883 9, 176, 664 8, 452, 823 4, 158, 586 7, 064, 213 2, 485, 853	18, 502 14, 529 13, 604 12, 347 (2) 11, 837 8, 500

¹ Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

2 Not called for on schedule,

3 Revised; revision not carried into total for subgroup or aggregate for group.

4 No comparable figures available for earlier years.

5 Figures published in report for 1927 not comparable with those for 1929 because of a change in classification.

5 Data for establishments engaged in the production of oakum are included for all years except 1921. For that year, the figures for 2 establishments reporting cakum as their principal product were included in those for "All other industries."

RAW FIBERS CONSUMED IN TEXTILE MILLS, BY INDUSTRIES, FOR THE UNITED STATES: 1904 TO 1919 AND 1925 TO 1929

· · · · · · · · · · · · · · · · · · ·	ŀ		In cotton-		IN WOOL-MA	NUFACTURE	s group		<del></del>	In silk	In cordage		
KIND OF THE	Cen- sus year	Total	goods and cotton- small-wares industries	In woolen- goods in- dustry	In worsted- goods in- dustry	In carpet and rug industry	In felt- goods in- dustry	In wool- felt hat industry	In knit- goods industry	********	and twine, jute-goods, and linen-goods industries	choddar	In lace- goods indus- try!
Cotton (including lin- ters).	1929 1927 1925 1919 1914 1909 1904	Pounds 3, 635, 322, 073 3, 705, 408, 686 3, 232, 790, 042 2, 905, 770, 683 2, 679, 984, 778 2, 465, 225, 572 1, 981, 804, 446	Pounds 3, 465, 861, 199 3, 601, 145, 535 3, 126, 523, 981 2, 758, 355, 619 2, 523, 500, 837 2, 335, 344, 906 1, 876, 437, 150	Pounds 16, 427, 866 18, 556, 159 20, 352, 012 14, 629, 920 23, 915, 496 15, 801, 304 28, 279, 832		3, 864, 826 3, 802, 789 6, 147, 130 1, 997, 369	2, 270, 823 2, 498, 715 1, 442, 400 3, 117, 272 1, 375, 670 1, 982, 624	Pounds	66, 771, 576 66, 068, 116 93, 050, 318 88, 390, 208 75, 416, 023 50, 586, 760	Pounds	Pounds 64, 229, 887 64, 608, 375 (2) 31, 685, 111 32, 336, 685 27, 624, 490 18, 142, 735	1, 296 9, 681 6, 000 399, 965 293, 292 44, 400	Pounds 2, 304, 50
Wool (in condition in which purchased),	1929 1927 1925 1919 1914 1909 1904	533, 376, 549 544, 900, 507 562, 446, 600 496, 434, 834 510, 008, 799 559, 850, 995	925, 398 800, 053 7, 289	130, 964, 412 139, 227, 574 150, 760, 876 105, 702, 290 78, 873, 310 87, 037, 951	204, 841, 199 802, 096, 956 337, 669, 614 355, 854, 756 887, 717, 415	51, 320, 521	12, 409, 820	1, 633, 525	6, 598, 580 4, 909, 056 6, 222, 931 4, 518, 068 6, 947, 598 7, 068, 788 17, 300, 616			54, 600 75, 567 160, 775 181, 052 203, 868 237, 007 507, 492	
Animal hair	1929 1927 1925 1919 1914 1909 1904	84, 087, 635 62, 909, 554 60, 953, 644 55, 366, 055 44, 821, 941 41, 549, 822 44, 079, 928	485, 303	5, 572, 165 5, 562, 406 6, 528, 062 12, 013, 037 16, 199, 052 17, 719, 863 23, 754, 714	15, 067, 157 12, 921, 907 7, 441, 659 5, 740, 249	3, 080, 309 2, 587, 650 2, 834, 382 6, 272, 522 3, 469, 283 5, 400, 944 6, 805, 802	52, 631, 203 34, 318, 691 30, 524, 425 10, 663, 511 11, 540, 635 8, 144, 011 6, 974, 634	350 350 3 142, 001 3 210, 027	705, 839 690, 714 191, 344 89, 502			442, 483 2, 510, 000 505, 000	
Silk	1929 1927 1925 1919 1914 1909 1904	64, 214, 714 47, 754, 755 43, 057, 029 27, 857, 055 25, 021, 945 17, 729, 306 11, 572, 783	48, 974 1, 255, 798 2, 403, 187 593, 982 1, 057, 083 267, 102	143, 756 197, 537 313, 705	300 222, 202 106, 777		9, 818		9, 483, 663 8, 023, 195 4, 921, 127 1, 265, 568 1, 590, 162	54, 473, 331 38, 277, 920 35, 187, 590 25, 890, 728 22, 374, 700 17, 472, 200 11, 572, 783			04, 99
Flax	1929 1927 1925 1919 1914 1909	14, 488, 769 16, 213, 595 1, 492, 613 12, 787, 560 26, 455, 737 28, 063, 703	1, 687, 666 1, 051, 182 1, 492, 613 (4) 1, 788, 139 1, 108, 918								12, 796, 103 15, 162, 413 (2) 12, 787, 566 24, 717, 598 26, 954, 788		
Hemp, jute, etc	1029 1927 1925 1919 1914 1909	528, 089, 413 533, 383, 416 8, 401, 979 570, 494, 616 751, 008, 927 632, 786, 278	6, 548, 301 4, 370, 082 8, 401, 976 (4) 50, 000 22, 087								521, 551, 052 528, 954, 334 (2) 570, 494, 616 750, 958, 922 632, 764, 191		

¹ No data for years prior to 1929.

The state of the s

² Not called for on schedule.

Includes data for hatters' fur.

No data available.

PURCHASED YARNS CONSUMED IN TEXTILE MILLS, BY INDUSTRIES, FOR THE UNITED STATES: 1904 TO 1919 AND 1925 TO 1929

	Cen-		In cotton- goods and	IN W	DOL-MANUFA	CTIRES GRO	ırp	In knit-	In silk and rayon	In cordage and twine,		In lace
KIND	sus year	'Potal	cotton-small- wares indus- tries	In woolen- goods in- dustry	In worsted- goods in- dustry	In carpet and rug industry	In felt- goods in- dustry	goods indus- try	manufac- tures in- dustry	jute-goods, and linen- goods in- dustries	shoddy indus- try	goods i dustry
Cotton	1929 1927 1925 1910 1914 1900 1904	Pounds 480, 954, 372 481, 390, 387 484, 710, 561 510, 420, 163 428, 316, 700 430, 483, 305 330, 350, 633	Pounds 100, 408, 559 187, 346, 046 194, 386, 593 230, 061, 217 139, 482, 027 126, 707, 003 105, 411, 516	Pounds 13, 588, 972 12, 025, 489 10, 941, 884 12, 854, 825 15, 316, 551 16, 888, 501 18, 878, 949	Pounds 29, 366, 958 19, 549, 897 16, 852, 254 16, 828, 820 16, 788, 861 22, 280, 887 13, 719, 123	Pounds 28, 401, 754 25, 688, 994 25, 200, 607 17, 309, 940 24, 619, 137 26, 166, 241 27, 421, 831	Pounds 227, 750 45, 767 263, 780 263, 225 400, 463	Pounds 100, 356, 402 210, 670, 922 222, 943, 040 217, 411, 343 205, 524, 143 216, 987, 611 161, 500, 466	Pounds 13, 269, 609 16, 858, 707 15, 390, 174 17, 958, 012 18, 333, 810 14, 111, 878 9, 018, 205	Pounds 8, 821, 424 9, 250, 272 (*) 7, 960, 240 7, 968, 054 7, 077, 950 (*)	Pounds 20, 343	
Woolen and worsted (includes all combinations of wool and cotton).	1929 1927 1925 1910 1914 1909 1904	141, 992, 664 138, 224, 104 141, 636, 804 100, 602, 636 115, 832, 891 122, 714, 085 102, 272, 635	1, 300, 522 5, 364, 382 2, 707, 729 484, 300 050, 789 1, 613, 118 1, 428, 077	48, 969, 378 11, 165, 390 8, 745, 618 6, 870, 516 3, 898, 922 8, 035, 598 9, 582, 443	42, 709, 335 41, 702, 241 45, 180, 206 46, 048, 026 52, 427, 109 54, 016, 104 20, 673, 246	42, 567, 844 85, 285, 504 38, 520, 140 21, 558, 625 30, 961, 720 37, 595, 684 44, 823, 531	8, 032 110, 338 116, 116 124, 380	45, 434, 800 43, 514, 636 44, 989, 732 24, 984, 813 25, 784, 005 20, 524, 878 16, 197, 803	014, 686 1, 191, 951 1, 394, 310 638, 334 1, 987, 918 610, 588 443, 155	(1)	********	
Thrown silk and spun silk	1929 1927 1925 1919 1914 1909 1904	26, 030, 258 30, 531, 369 35, 689, 357 18, 047, 429 11, 078, 929 9, 015, 079 6, 409, 531	1, 515, 408 1, 837, 660 2, 300, 048 1, 489, 387 1, 305, 550 2, 062, 003 412, 589	87, 438 405, 327 206, 703 84, 218 111, 580 70, 959 107, 377	1, 078, 380 1, 401, 847 448, 012 331, 572 404, 370 211, 577 304, 930	21, 057 (4) 136, 786 273, 032 196, 840 76, 000	1, 238 5, 711	13, 206, 760 11, 537, 450 8, 789, 521 5, 711, 110 1, 013, 478 982, 753 320, 671	9, 790, 358 24, 182, 852 23, 939, 073 10, 893, 169 7, 065, 208 5, 490, 944 5, 187, 945	87, 550 55, 167 (2)	*********	278,
Rayon yarn	1929 1927 1925 1919 1914 1909 1904	128, 288, 885 80, 644, 618 57, 118, 903 7, 993, 622 3, 160, 217 914, 494 466, 151	34, 511, 005 28, 361, 010 15, 180, 169 772, 005 (3) (1) (2)	959, 171 738, 164 1, 743, 718 7, 256	2, 523, 187 788, 748 787, 215 21, 558	12, 955 20, 783 (3)		E0 000 440	32, 551, 605 23, 158, 452 15, 728, 202 3, 030, 257 1, 902, 974 914, 404 406, 151	(1)		1, 301,
Linen	1929 1927 1928 1919 1914 1909 1904	3, 107, 110 2, 007, 401 1, 253, 283 2, 700, 450 0, 834, 110 10, 052, 240 9, 048, 018	340, 031 408, 179 319, 784 206, 950 786, 856 609, 532 740, 097	8, 168 12, 685 2, 007	17, 260 15, 000 372 1, 500	350, 078 250, 851 033, 490 2, 280, 055 7, 602, 200 8, 702, 876 8, 228, 200	2, 046 	(4) 4 288, 000 4 70, 278 5 241, 754 55, 302	108, 757			
Aemp, Jute, eto	1929 1927 1925 1910 1914 1909 1904	83, 901, 050 70, 943, 850 82, 580, 198 53, 137, 042 66, 759, 424 58, 817, 950 49, 713, 205	175, 705 417, 851 1, 906, 723 227, 574 202, 647 406, 705	4, 226 1, 580, 210 1, 966, 905 1, 931, 880 305, 101	2, 748 2, 170 13, 171	80, 484, 921 67, 621, 680 80, 673, 475 45, 119, 812 50, 148, 266 55, 502, 343 49, 119, 558		(?) (?) (?) (?) 7. 225		3, 816, 028 2, 900, 003 (1) 5, 520, 126 4, 903, 762 1, 600, 522	70, 000	
Mohair s	1920 1929	9, 850, 990 20, 782, 127	2, 235, 148 711, 927 1, 900, 506 1, 436, 975 1, 241, 270 357, 435	5, 950 2, 295, 608 23, 723 90, 964 94, 908	7, 577, 380		*****	8, 714, 652 2, 425, 288 790, 624	32, 521	744, 009 144, 874 (1) 1, 023, 843		******
	1910 1914 1909 1904	11, 200, 593 4, 420, 938 3, 294, 162 2, 060, 260 1, 210, 510	1, 241, 270 357, 435 854, 161 950, 200					***************************************	1, 161, 040 2, 783, 764 1, 048, 268 1, 042, 790 2, 036, 727 1, 063, 888 269, 310			

No data for years prior to 1920.
Not called for on schedule.
Not reported separately.
Woolen and worsted yarns only. Combinations of wool and cotton included in "Other yarns."
Included in item for "Other yarns."
Included in item for "Homp, jute, etc."
Included in item for "Linen."
Data for mohair yarn are included with those for "Other yarns" for years prior to 1929.
See note 8.

## ARTIFICIAL LEATHER

Description of the industry.—The establishments | a textile base, regardless of the uses of the finished classified in this industry are engaged primarily in the manufacture of artificial or imitation leather, made on

product.

#### TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1909 TO 1929

[Data for establishments with products under \$5,000 in value included for 1010 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

N						111	
YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products 1	Value added by manufacture ⁹	Horsepower
1020 1027 1025 1023 1021 1021 1010 1010	17 19 18 17 19 17 10 17	2, 590 2, 730 2, 650 2, 462 1, 444 2, 011 705 443	\$3, 055, 702 4, 006, 613 3, 800, 990 3, 234, 671 1, 801, 384 2, 103, 171 484, 578 216, 528	\$22, 207, 938 21, 827, 645 31, 238, 279 22, 624, 398 11, 247, 100 18, 132, 204 4, 108, 256 2, 033, 201	\$32, 961, 252 34, 225, 101 40, 931, 682 33, 557, 634 15, 515, 730 26, 281, 966 6, 097, 293 3, 128, 298	\$10, 693, 314 12, 400, 456 9, 693, 403 10, 933, 230 4, 268, 630 8, 149, 762 1, 980, 037 1, 095, 007	14, 650 14, 467 10, 593 8, 350 (3) 4, 952 1, 674
			PER CEN	T OF INCREASE OR I	DECREASE (—)		
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921	(a) (a) (b) (b)	75. 1 2. 7 8. 0 70. 5 -28. 2 28. 8	-1, 3 5, 4 17, 5 70, 6 -10, 7	2,0 -30,1 38,1 101,2 -38,0	-3, 7 -16, 4 22, 0 116, 3 -41, 0	-13.8 27.9 -11.3 156.1 -47.0	1, 3 30, 6 20, 7
1909-1019	(6)	354. 0	800. 0	701.8	740, 1	644. 2	*************

1 The figures for all census years refer to production, not sales. See General Explanations—Value of Products,
2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture,
3 Not called for on schedule.
4 No comparable figures for earlier years.
5 Not tabulated separately.
6 Per cent not computed where base is less than 100.

#### TABLE 2.—GENERAL STATISTICS, BY STATES: 1929 AND 1927

[This table presents statistics separately for only two States for which figures can be given without disclosing data for individual establishments. See General Explanations—Establishments Covered—Size. One of the "Other States," namely, New York, reported a larger value of products than Massachusotts]

	Cen-	Num-	fofficers and em-	Wage earners	HORSE CAPACI EQUIP	TY) OF	(RATED POWER		Wages		ATERIALS, FUI D ELECTRIC E		Value	
STATE	sus year	estab- lish- ments		age for	'Total	Prime movers	Motors run by pur- chased energy	Salaries		Total	Materials	Fuel and pur- chased energy	Value of products 1	addod by manufac- turo ²
United States	1929 1927 1919	17 19 17	570 552 339	2, 590 2, 730 2, 011	14, 650 14, 467 4, 952	2, 172 2, 979 1, 022	12, 478 11, 488 3, 930	\$1,643,071 1,525,700 832,385	\$3, 955, 702 4, 006, 613 2, 163, 171	\$22, 267, 938 21, 827, 645 18, 132, 204	\$21, 764, 446 21, 162, 704 17, 800, 202	\$503, 492 664, 851 271, 912	\$32, 961, 252 34, 228, 101 26, 281, 906	\$10, 693, 314 12, 400, 450 8, 149, 762
Massachusotts	1929 1927	4	64 52	318 257	1,395 2,147	472 932	923 1,215	131, 626 97, 809	408, 053 324, 390	2, 439, 568 1, 937, 691	2, 369, 132 1, 898, 502	70, 436 39, 189	3, 701, 953 3, 102, 004	1, 262, 385 1, 164, 313
New Jersey	1929 1927	7 8	139 229	583 1,054	5, 633 5, 834	1,210 1,547	4, 423 4, 287	503, 989 664, 064	1,004,522 1,539,336	8, 173, 178 9, 962, 482	8, 024, 100 9, 089, 155	149, 018 273, 327	10, 875, 556 14, 280, 303	2, 702, 378 4, 326, 821
Other States	3 1929 4 1927	6 7	367 271	1,689 1,419	7, 622 6, 486	490 500	7, 132 5, 986	1,007,456 763,827	2, 543, 127 2, 142, 887	11,055,192 9,927,472	11, 371, 154 9, 575, 137	284, 038 352, 335	18, 383, 743 16, 836, 794	6, 728, 551 6, 909, 322

¹ The figures for all census years refer to production, not sales. See General Explanations—Value of Products.
2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
3 Connecticut, 1 establishment; Michigan, 1; New York, 1; Ohio, 1; Pennsylvania, 1; Rhode Island, 1.
4 Connecticut, 1 establishment; Michigan, 1; New York, 1; Ohio, 2; Pennsylvania, 1; and Rhode Island, 1.

TABLE 3.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1923 TO 1929

[The figures for all consus years refer to production, not sales. See General Explanations—Value of Products]

KIND	1929	1927	1025	1923
1. Artificial-leather industry, all products, total value.	\$32, 961, 252	\$34, 228, 101	\$40, 931, 682	\$33, 557, 034
2. Artificial leather 3. Other products (not normally belonging to the industry) ! 4. Receipts for contract work 5. Artificial leather made as a secondary product in other industries, value.	\$30, 441, 024 \$2, 506, 274 \$13, 964 \$904, 636	\$28, 543, 502 \$5, 602, 875 \$21, 724 \$021, 924	\$35, 790, 014 \$5, 129, 608 \$12, 000 \$885, 312	\$20, 707, 820 \$3, 759, 805 (2) \$207, 167
Artificial leather, all industries: Aggregate value (sum of 2 and 5)	\$31, 345, 660	\$20, 105, 426	\$36, 675, 326	\$30,004,996
Pyroxylin-coated— Total square yards Total value	65, 029, 485 \$30, 440, 663	49, 650, 535 \$24, 454, 974	67, 525, 778 \$30, 673, 444	41, 058, 611 \$21, 884, 640
Light goods— Square yards Value	28, 535, 004 \$8, 354, 213	17, 572, 493 \$5, 150, 531	25, 596, 134 \$9, 750, 717	8, 434, 816 \$2, 877, 168
Henry goods— Square yardsValue	36, 494, 481 \$22, 086, 440	32, 078, 042 \$19, 304, 443	31, 929, 644 \$20, 913, 727	32, 623, 795 \$19, 007, 472
Other than pyroxylin-coated— Square yards	862, 164 \$891, 020	10, 025, 277 \$4, 088, 528	11, 054, 225 \$5, 116, 570	15, 646, 566 \$7, 913, 180
Kind not specified, value	\$13, 987	\$021, 024	\$885, 312	\$207, 107

¹ Lacquers, enamel, coated paper, rubber cloth, effecth, window-shade cloth, etc.

TABLE 4.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPR	1929		1027		1925		1910		1914		PER CENT DISTRIBUTION OF RATED HORSEPOWER CAPACITY	
	Num- ber	Capacity	Num- ber	Capac- ity	Num- ber	Capae- ity	Num- ber	Capae- ity	Num- her	Capac- ity	DISTRIBUTED OF RA	1919
Prime movers and electric motors driven by purchased energy, aggregate	970	Horse- power 14,650	816	Horse- power 14, 407	627	1 Iorse- power 10, 593	213	Horse- power 4,952	57	Horse- power 1,674	100, 0	100.0
Prime movers, total	21	2, 172	20	2, 979	23	2, 054	18	1, 022	10	1, 213	14.8	20,6
Steam, total	20	2,000	18	2, 813	22	2, 488	17	855	19	1, 213	13.7	17. 3
Engines Turbines	14 0	1, 020 986	10 3	2, 047 700	20 2	1, 713 775	(3)	(1)	(3)	(1) (2)		
Water wheels and water turbines	1	106	1	100	1	166	1	107	,		1.1	3. 3
Electric motors driven by purchased energy	940	12, 478	790	11, 488	004	7,030	195	3, 930	38	461	85, 2	79, 4
Electric motors, total	983	12, 832	1, 011	12,692	800	9, 747	209	4, 117	46	520	100.0	100, 0
Driven by purchased energy. Driven by energy generated in establishments reporting.	940 34	12, 478 354	790 215	11, 488 1, 204 Kilo-	604 196	7,030 1,808 Kilo-	105 14	3, 030 187	38 8	461 65	07. 2 2, 8	95. 5 4, 5
Electric generators	6	Kilowatis 700 Kilowati- hours	11	walls 1,120	8 3	10alls 720	(a)	(3)	(3)	(1)		******
Electric energy purchased 4		11, 200, 024		(8)		(4)		(3)		(3)		

# TABLE 5.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, AND 1914, AND BY STATES, 1929

[This table presents statistics for the only two States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average	NUMBER EMPLOYED ON 18TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												
STATE	number employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
United States: 1929 1925 1910 1914	2, 590 2, 650 2, 011 705	2,828 2,610 1,768 797	2, 860 2, 602 1, 739 705	2, 951 2, 084 1, 767 840	2, 830 2, 677 1, 859 881	2, 782 2, 667 1, 845 875	2, 664 2, 656 1, 905 770	2, 588 2, 635 2, 000 763	2, 462 2, 607 2, 158 751	2, 450 2, 666 2, 214 714	2, 350 2, 642 2, 205 807	2, 183 2, 780 2, 284 782	2, 118 2, 795 3, 328 766	71. 8 89. 8 74.7 81. 0
Massachusetts New Jersey.	318 583	334 786	317 788	386 771	846 087	327 583	300 549	283 538	281 479	304 482	843 405	335 435	304 420	81. 2 54. 4

¹ No comparable figures for earlier years.

² No data.

Not tabulated separately.

Not called for separately on schedule.

This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.

Not called for on schedule. Data incomplete.

## AWNINGS, TENTS, SAILS, AND CANVAS COVERS

Description of the industry.—The establishments classified in this industry are engaged primarily in the manufacture of window, store, and veranda awnings; tents, sails, and tarpaulins; and canvas covers

for trucks, furniture, etc. Small establishments which make these goods to individual order are not covered by the census.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of prod-	Value added by manufacture	Horschower					
1929 1927 1928 1923 1021 1019 1014 1000 1004 1890	963 905 814 700 895 888 621	7, 162 6, 543 6, 249 5, 968 5, 970 6, 028 5, 073 4, 242 3, 432 3, 335	\$8, 550, 321 8, 220, 362 7, 500, 561 6, 922, 938 6, 930, 577 6, 858, 523 2, 953, 884 2, 187, 051 1, 757, 466 1, 568, 503	\$25, \$28, 140 24, 409, 718 27, 453, 156 25, 220, 222 21, 327, 125 20, 961, 140 10, 155, 101 8, 376, 781 6, 669, 721 5, 227, 503	\$40, 237, 576 47, 929, 352 48, 568, 984 45, 276, 756 37, 011, 718 45, 690, 390 18, 138, 326 14, 409, 020 11, 269, 170 9, 143, 604	\$23, 909, 480 28, 519, 634 21, 116, 828 20, 046, 634 16, 684, 613 18, 720, 250 7, 983, 225 6, 122, 230 4, 599, 440 3, 916, 101	4, 005 4, 850 4, 564 4, 728 (4) 4, 571 2, 602 2, 004 1, 078 828					
en e		PER CENT OF INCREASE OR DECREASE (-)										
1927-1920	6.4 11,2	9. 5 4. 7 4. 9 17. 5 —15. 9	4, 0 9, 7 8, 3 16, 7 1, 2	3.8 11.1 8.8 18.3 20.9	2. 7 -1. 3 7. 3 22. 3 -10. 0	1, 7 11, 4 5, 3 27, 8 -10, 3	3, 0 6, 3 -3, 5					
1910-1920	12.0 44.1 82.6	18. 8 42. 1 27. 2	46, 1 167, 8 30, 5	-6, 1 221, 9 60, 2	7. 8 215, 1 58, 6	27, 7 205, 9 50, 3	9, 3 128, 1 142, 0					

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See Genebal Explanations—Value of Products,

2 Includes values of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of awnings, tents, sails, and canvas covers, as follows: 1929, \$4,647,333; 1927, \$2,878,514; 1925, \$2,742,563; corresponding amounts for earlier years not available. Does not include values of awnings, tents, sails, and canvas covers made as secondary products by establishments classified in other industries, as follows: 1929, \$2,176,831; 1927, \$1,643, 483; 1925, \$1,743,831; 1923, \$1,409,439; 1921, \$1,928,206; 1919, \$2,302,007; corresponding amounts for earlier years not available.

1 Value of products less cost of materials, fuel and purchased electric energy. See General Explanations—Value Added by Manufacture,

4 Not called for on schedule,

### TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

	· · · · · · · · · · · · · · · · · · ·												·	
	Census year	Num- ber of	Salaried	(aver-	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT						ATERIALS, FU D ELECTRIC E		Value	
STATE			officers and em- ployees ¹		Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and pur- chased energy	Value of products 2	added by manufac- ture
United States	1929 1927 1919	1,002 963 895	2, 014 1, 863 1, 514	7, 162 6, 543 6, 028	4, 995 4, 850 4 4, 571	455 481 488	4, 540 4, 369 4, 133	\$4, 719, 834 4, 103, 867 3, 002, 147	\$8, 559, 321 8, 229, 362 5, 858, 523	\$25, 328, 140 24, 409, 718 26, 961, 140	\$25, 032, 728 24, 135, 127 26, 762, 652	\$295, 412 274, 501 198, 488	\$49, 237, 570 47, 920, 352 45, 690, 390	\$23, 009, 436 23, 519, 634 18, 729, 250
Individual States: Alabama	1929 1927 1919	6 5 5	6 7 8	24 16 10	15 14 8		15 14 8	9, 700 10, 217 4, 020	21, 859 20, 188 4, 746	80, 541 93, 354 23, 143	80, 148 92, 919 22, 874	393 435 269	161, 929 158, 724 42, 014	81, 388 65, 370 18, 871
California	1929 1927 1919	85 76 47	107 104 53	447 401 327	425 275 216		425 275 216	237, 097 206, 606 89, 950	596, 752 585, 468 379, 270	1, 554, 374 1, 930, 331 1, 749, 829	1,543,329 1,917,875 1,743,288	11, 045 12, 456 6, 591	3, 056, 149 3, 592, 553 2, 866, 399	1, 501, 775 1, 662, 222 1, 116, 570
Colorado	1929 1927 1919	9 10 10	89 45 57	113 156 182	122 117 152		122 117 152	104, 219 112, 535 132, 503	126, 708 157, 495 108, 953	413, 274 606, 719 608, 603	405, 849 601, 524 680, 432	7, 425 5, 195 8, 171	802, 327 1, 094, 042 1, 021, 654	889, 053 487, 323 353, 051
Connectiout	1929 1927 1919	26 26 29	27 20 12	97 91 68	47 106 37	25	47 81 37	66,666 42,503 9,060	107, 870 106, 516 60, 714	207, 300 183, 442 150, 035	202, 087 180, 255 148, 123	5, 213 3, 187 1, 912	535, 998 479, 179 280, 503	828, 603 205, 737 130, 468
District of Columbia.	1929 1927 1919	11 8 5	25 25 14	70 78 76	28 16 18		28 16 18	50, 246 42, 882 29, 396	71, 822 112, 925 70, 526	153, 145 104, 104 145, 517	150, 143 102, 778 144, 102	3,002 1,326 1,415	301, 895 355, 282 274, 384	208, 750 251, 178 128, 867
Florida	1929 1927 1919	19 21 9	38 40 16	104 104 49	88 154 12		88 154 12	66, 376 80, 667 29, 113	105, 643 137, 792 53, 835	252, 865 238, 024 478, 926	250, 629 234, 804 478, 214	2, 236 8, 220 712	548, 994 960, 394 673, 760	296, 129 422, 370 194, 834

See footnotes at end of table.

# AWNINGS, TENTS, SAILS, AND CANVAS COVERS

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

						face more	ar nead	of this table	1					
		Num-	Salaried	Wage earners	CAPA	OWER STY) OF SMENT	(RATED POWER			COST OF MA	TERIALS, FUI D ELECTRIC E	I., AND NERGY		Value
STATE	Census year	ber of estab- lish- ments	officers and em- ployees!	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased	Salaries	Wages	Total	Materials	Fuel and pur- chased energy	Value of products 2	added by manufac- ture 1
Individual States—Con. Georgia	1929	 0 8	20	84	363 422	250	onergy 113	\$59, 955	\$66, 533	\$320, 578	\$324, 544 322, 312	\$5, 034	\$583, 058	\$203,480
- Idaho	1927 1920 1927	4 3	27 7 8	107 23 14	14	300	122 14 6	47, 137 15, 022 15, 901	85, 642 27, 785 30, 133	327, 220 74, 737 42, 456	73, 815 40, 900	4, 908 922 1, 556	581, 682 123, 016 131, 000	254, 462 48, 270 88, 544
Illinois	1929 1927 1919	63 61 53	142 140 125	583 496 348	276 287 270	10 85	276 277 185	378, 712 256, 402 266, 644	784, 674 725, 642 460, 005	2, 302, 450 1, 988, 364 1, 523, 663	2, 277, 230 1, 067, 913 1, 507, 686	25, 220 20, 451 15, 977	4, 228, 007 3, 853, 811 2, 804, 213	1, 925, 557 1, 865, 447 1, 870, 550
Indiana	1020 1027	21 23 10	64 54	205 160	125 115		125 115	100, 432 121, 408	237, 951 219, 519	714, 351 635, 805 407, 085	706, 120 028, 496 403, 652	8, 231 7, 300	1,388,808 1,279,072	074, 467 643, 267 330, 031
Iowa	1910 1920 1927	13 12	28 34 21	142 62 56	70 72	6	70 68	63, 136 40, 846 25, 770	03, 675 62, 654 73, 870 62, 370	150, 364 161, 837 213, 530	155, 002 158, 826 200, 618	3, 433 4, 362 3, 011	806, 116 438, 801 338, 507 416, 680	279, 487 176, 670 203, 141
Kunsas	1919 1929 1927	18 15 11	31 33 46	77 97 80	50 45	17	74 50 45	52, 628 88, 220 99, 708	62, 370 90, 432 96, 262	213, 530 260, 141 319, 387	209, 618 257, 304 316, 462	3, 021 2, 837 2, 025	503,771 706,808	203, 141 333, 030 887, 011
Kentucky	1019	9 0 7	15 17 13	58 57	41 45 100	11	30 45 108	28, 784 28, 784 22, 182 40, 278	39, 632 55, 460 54, 606	113,049 140,383 143,833 178,020	112, 698 137, 786 140, 853	1, 251 2, 597	279, 278 319, 692	105, 329 179, 309
Louisiana	1010	6	25 35	72 70	28 55		28 55	110, 566	48, 342 81, 780	458, 956	170, 561 455, 737	2, 080 1, 450 3, 210 1, 751	202, 146 331, 209 755, 300 784, 740	148, 313 153, 279 296, 353
Maine	1027 1019 1020	7 7 6	47 18 5	74 54 23	35 33 13	12	13	77, 677 27, 117 13, 580	83, 566 49, 766 26, 727	450, 507 248, 178 69, 974	448, 846 247, 390 08, 487	1, 487	160, 803	296, 353 334, 140 154, 755 80, 010
Maryland	1927 1919 1929	7 17 19	5 4 23	21 40 81	12 22 41		12 22 41	6, 680 3, 430 40, 594	24, 395 42, 779 83, 415	00, 800 120, 150 221, 539	59, 038 118, 400 219, 451	1, 108 1, 750 2, 088	136, 014 215, 410 460, 162	89, 019 75, 208 95, 251
	1027 1010	10 16	21 20	60 65	38 40		38 40	37, 081 75, 605	87, 845 78, 662	205, 689 867, 793	219, 451 203, 270 805, 313	2, 410 2, 480	460, 061 611, 491	238, 623 254, 372 243, 608
Massachusetts	1027 1919	58 64 47	78 86 73	308 324 275	135 185 118		185 118	175, 737 203, 509 103, 654	421, 870 453, 418 208, 074	710, 173 805, 435 887, 288	698, 023 882, 432 870, 050	11, 250 13, 003 7, 332	1, 770, 996 2, 070, 291 1, 542, 767	1, 000, 823 1, 174, 850 055, 470
Michigan	1020 1027 1010	32 34 22	100 92 70	357 204 100	145 150 117	ő	145 154 117	215, 923 188, 050 155, 072	482, 870 370, 077 213, 004	1, 231, 600 900, 354 919, 909	1, 221, 750 986, 703 913, 430	9, 850 9, 651 0, 479	2, 510, 782 2, 003, 702 1, 645, 060	1, 279, 123 1, 067, 348 725, 151
Minnesota	1020 1027 1010	15 15 16	50 38 26	125 108 89	72 75 62	*********	72 75 02	110, 177 75, 614 42, 557	133, 911 132, 768 82, 135	346, 696 350, 368 340, 835	840, 716 345, 188 387, 434	5, 980 5, 180 3, 401	734, 696 699, 072 580, 467	388, 000 348, 704 239, 632
Missouri	1920 1927 1919	32 37 23	120 43 200	414 505 771	233 106 273		233 190 273	*275, 648 288, 600 352, 697	429, 620 519, 131 500, 581	1, 869, 836 1, 934, 877 8, 785, 711	1,856,022 1,917,205 3,766,737	13, 814 17, 612 18, 974	2, 011, 078 3, 408, 756 5, 824, 070	1,041,242 1,473,879 2,038,359
Montana	1920 1927 1919	(4) S	(5)	(4) G	(a) 5	(6)	(*) 5 9	(4) 800	5, 227 (5) 5, 808	22, 072 (4) 23, 508	21, 827 ( ³ ) 23, 336	245 (*) 232	40, 516 (*) 42, 851	24, 444 ( ⁵ ) 16, 283
Nebraska	1929 1927 1919	8 0 0	30 24 38	105 70 127	135 46 57		135 40 57	76, 889 32, 422 105, 234	108, 543 71, 344 85, 487	316, 039 229, 955 476, 906	309, 557 228, 152 473, 926	6, 482 1, 803 3, 040	038, 432 474, 702 700, 215	322, 393 244, 747 319, 249
New Jorsey	. 1029 1927	71	56 59	301 247	203 146	20	203 146	132, 533 123, 758 40, 870	324, 500 293, 837 100, 200	786, 431 615, 745	770, 000 504, 070 427, 798	15, 765 21, 075	1, 034, 959 1, 432, 642 892, 482	848, 528 810, 897 458, 283
New York	1927	198 178	207 291	1,141 954	009 020	102 14	597 612	840, 478 698, 246	1, 740, 986 1, 483, 163 1, 151, 353	434, 100 4, 078, 103 3, 730, 105 4, 902, 250	4, 028, 027 3, 085, 030 4, 962, 839	6, 401 49, 470 45, 075	8, 938, 608 7, 971, 248	4, 860, 505 4, 241, 143
North Carolina	1919 1929 1927	192 6 5	238 2 6	984 27 11	510 15 25	11	15 25 3	7, 120 12, 228	23, 173 12, 489 2, 415	64, 695 78, 500	63, 955 77, 514 10, 181	20, 411 740 986	8, 402, 009 141, 020 144, 105 17, 008	70, 331 65, 605 6, 731
Ohlo	1919 1929 1927	46 48	214 220	750 708	037 046	7	630 634	516, 976 504, 538	2, 415 827, 137 904, 354	10, 277 2, 809, 759 2, 971, 830 3, 735, 820	10, 181 2, 771, 740 2, 937, 917 3, 689, 161	38, 019 38, 013	17, 008 5, 129, 184 5, 515, 049 6, 037, 359	2, 310, 375 2, 543, 219 3, 201, 539
Oklahoma	1919	12	160 27	851	1, 732 32 73	272 	1,460	256, 273 55, 424 30, 371	753, 602	II.	11	46, 650 1, 877 1, 723	6, 037, 350 430, 238 200, 907	205, 171 147, 585
Pennsylvania	1927 1919 1929	10 9 88		47 30 454	307	96	28 22 211 271	22, 965	63, 473 51, 293 23, 748 503, 775	234, 067 149, 321 148, 312 1, 724, 198	232, 190 147, 598 147, 054 1, 704, 016	. 658	244, 660	90, 348
Tennessee	1927 1919 1929	83 92 11	70 51 23	307 201 59	274 183 34	3	271 183 34	211, 129 158, 954 105, 464	503, 775 462, 916 280, 018	1, 724, 198 1, 370, 659 1, 122, 825 254, 192	1, 704, 016 1, 353, 535 1, 114, 207 251, 994	19, 582 17, 124 8, 558 2, 108	3, 108, 163 2, 677, 471 1, 883, 888 503, 936	1, 383, 905 1, 306, 812 761, 963 249, 744
	1027 1010	9 11	17	48 42	23 28		23 28	55, 836 30, 888 32, 822	1 :	254, 192 203, 037 255, 914	251, 994 201, 415 254, 242	2, 108 1, 622 1, 672	400, 808 300, 251	240, 744 107, 801 134, 837
Texas.	1929 1927 1019	22 23 13	1	365 360 128	238 217 84	26 20	64	183, 409 171, 483 75, 670	312, 688 287, 579 67, 965	1, 392, 263 1, 445, 963 938, 951	1, 378, 262 1, 434, 840 036, 621	14,001 11,114 2,330	2, 328, 683 2, 291, 945 1, 308, 062	936, 420 845, 982 369, 111
Utah	1927	5 4 6	3	15 10 18	11 16 11		11 18 11	7, 480 1, 380 1, 200	16, 442 12, 472 15, 110			491 009 610		50, 261 25, 168 50, 442
See footnotes at en	d of tal	ole.						¥* 12,	, a sha hi		, "1	as forth office	and the second	

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919—Continued [See note at head of this table]

		· · · · ·			HORSEP	ITY) OF	(RATED POWER				TERIALS, FUI			n
STATE	Census	per oi i	Salaried officers and em-	Wage earners (aver-	EQUIP	MENT	Motors	Salaries	Wages				Value of products 1	Value added by manufae-
	year	11-1-	ployees1	age for the year)	Total	Prime movers	run by pur- chased energy	90		Total	Materials	Fuel and pur- chased energy	broaders.	ture *
-			ļ	<del></del>										
Individual States—Con. Virginia	1929 1927 1919	11 14 12	15 19 17	64 68 81	40 50 46	22	40 28 46	\$24, 405 29, 047 38, 885	\$70, 824 78, 856 95, 691	\$155, 161 182, 553 299, 329	\$153, 347 178, 312 297, 932	\$1,814 4,241 1,397	\$358, 833 388, 363 547, 416	\$203, 672 205, 810 248, 087
Washington	1929 1927 1919	13 13 15	31 38 23	82 83 107	72 07 59	2	72 67 57	61, 540 80, 954 53, 567	108, 089 109, 630 165, 253	422, 967 505, 523 752, 356	419, 806 502, 659 751, 152	3, 161 2, 864 1, 204	812, 779 841, 856 1, 174, 066	389, 812 336, 333 421, 710
West Virginia	1929 1927 1919	5 4 5	13 12 4	24 15 16	22 15 9		22 15 9	25, 236 25, 996 3, 900	26, 933 20, 055 15, 202	62, 273 46, 113 32, 642	61, 261 45, 061 32, 314	1, 012 1, 052 328	102, 877 111, 459 77, 171	100, 604 65, 346 44, 520
Wisconsin	1929 1927 1919	22 22 21	49 61 30	125 133 08	47 91 44		47 91 44	97, 698 120, 047 41, 621	144, 847 152, 102 80, 231	394, 638 402, 051 317, 751	388, 201 396, 925 313, 746	6, 347 5, 120 4, 005	866, 249 888, 990 530, 118	471, 611 486, 939 218, 367
Groups of States: Ariz., 1 est.; Oreg., 4; Wyo., 1	1929	6	24	41	25		25	62, 602	41, 781	183, 531	182, 200	1, 331	386, 148	202, 617
N. H., 2 est.; Vt., 2	1929	4	3	15	14		14	4, 900	17, 967	41, 306	40, 618	688	97, 965	50, 659
N. Dak., 1 est.; S. Dak., 2	1020	3	1	8	9		9	1, 165	10, 175	19, 949	18, 754	1, 195	30, 877	10, 928
Other States (Ark., 3 est., Del., 2; Miss., 1; R. I., 4; S. C., 2)	1929	12	32	161	79		79	90, 214	113, 202	736, 247	731, 464	4, 783	1, 079, 623	343, 376
States not shown soparately.	6 1927 7 1919	27 43	49 53	147 200	100 81	1	99 81	116, 797 98, 602	153, 225 208, 247	730, 670 927, 085	733, 209 921, 513	6, 461 5, 572	1, 253, 426 1, 561, 281	513, 756 634, 108

¹ Not including proprietors and firm members, as follows: For 1929, 813; 1927, 920; 1919, 871. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earnors—as reported for the industry, are as follows: For 1929, 9,880; 1927, 9,326; 1919, 8,413.

2 The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products.

3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1910 but not in the United States totals.

5 Withheld from publication in order to avoid disclosing data for individual establishments.

6 Arizona, 1 establishment; Arkansas, 3; Montana, 1; New Hampshire, 2; North Dakota, 1; Oregon, 6; Rhode Island, 6; South Carolina, 1; South Dakota, 2; Verment, 2; Wyoming, 2.

7 Arizona, 3 establishments; Arkansas, 6; Delaware, 1; Georgia, 4; Idaho, 2; Mississippi, 3; New Hampshire, 3; New Mexico, 1; North Dakota, 1; Oregon, 3; Rhode Island, 5; South Carolina, 4; South Dakota, 2; end Wyoming, 2.

TABLE 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929 AND 1927; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

Return Re	178-1217 178-1217 178-1218 178-1218	TYPE		is a second of the second of t	11	920	19	127	19	25	19	19	10	14	PER CENT BUTION O HORSEL CAPA	FRATED
Carlotte	60 F. (1944   17 11 J. (1944   17 17 J. (1944   17			ord det Programbi North Sole	Num- ber	Capacity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	1929	1919
Prime n	novers and e energy, aggre	lectric m	otors drive	by pur-	5, 386	Horse- power 4, 995	4, 511	Horse- power 4, 850	3, 910	Horse- power 4, 564	2, 637	Horse- power 4, 571	1, 075	Horse- power 2, 602	100.0	100.0
Prin	no movers, tot	al			10	455	25	481	16	358	16	438	32	270	0.1	9. 6
1	Steam, total		112121		δ	352	7	337	2	310	7	349	6	104	7. 0	7. 6
BVR a.P VL VR a. VV	Engines_ Turbines_				4	340 12	7	337	2	310	7	340	(1)	(1)	6. 8 0. 2	7. 6
314,000	Internal-comb Water wheels	ustion en	ginesr		5	103	9	132 12	5	46 2	9	89	19	159	2,1	1.9
10	tric motors di		3 25 230	1000	5, 326	4, 540	4, 486	4, 369	8, 894	4, 206	2, 621	4, 133	1, 643	2,332	90.9	90. 4
Electric	motors, total.				5,327	4, 544	4, 489	4, 372	3, 804	4, 206	2, 635	4, 196	1,653	2, 383	100.0	100.0
Driv	en by purcha en by energy	sed energ	y in octoblic	hmontera	5, 326	4, 540	4, 486	4, 369	3, 804	4, 206	2, 621	4, 133	1, 643	2, 332	99. 9	98, 5
Po	rting	Borret and	I III CODBUIIS	uments to-	1	Kilo-	3	Kilo-		Kilo-	14	63	10	51	0, 1	1.5
Electric	generators				3	watts 81 Kilowatt-	1	watts 6		walls	(2)	(2)	(1)	(2)		
Electric	energy purch	ased 3	77722777 77722777			hours 4, 707, 205		(+)		(4)		(2)		(1)		

¹ Not called for separately on schedule.
2 Not called for on schedule.

This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
Data incomplete. to be the financian suppose between

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by held-faced figures and that of minimum employment by italic figures]

	Average			NUMBER	EMPLOYED	ON 18TH I	DAY OF MO	NTH OR N	EAREST RI	PRESENTA	TIVE DAY			Per cent
STATE	number employed during year	January	February	March	April	May	Jung	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
United States: 1929	7, 162 6, 240 6, 028 5, 073 4, 242	5, 585 4, 719 4, 881 3, 053 3, 160	5, 880 5, 013 4, 890 4, 103 3, 412	6, 601 5, 740 5, 287 4, 718 3, 906	8, 346 7, 165 6, 390 5, 802 4, 654	0, 271 8, 200 7, 051 6, 811 5, 240	9, 556 8, 504 7, 455 7, 072 5, 483	8, 833 7, 739 7, 161 0, 203 5, 177	7, 375 0, 504 6, 417 5, 178 4, 525	0, 577 5, 073 5, 854 4, 601 4, 110	6, 338 5, 537 5, 725 4, 359 3, 880	5, 865 5, 227 5, 686 4, 021 3, 010	5, 710 4, 978 5, 539 3, 995 3, 697	58. 4 55. 4 65. 5 55. 9 57. 8
Alabama California Golorado Connecticut District of Columbia	447	21 404 79 71 49	21 418 80 80 53	22 437 07 00 61	25 458 142 111 87	30 495 154 133 111	32 495 176 140 108	31 500 171 134 83	29 400 100 94 60	24 436 96 70 55	21 430 89 78 55	17 423 82 77 51	17 408 81 71 01	53, 1 80, 8 44, 9 48, 6 44, 1
Florida Georgía Idaho Illinois Indiana	84	123 112 £3 450 180	114 80 \$3 478 138	102 72 #3 537 184	08 02 24 676 301	84 00 24 743 825	83 79 23 772 321	76 73 24 727 258	75 75 23 043 202	79 75 ## 687 104	110 91 £3 467 102	151 87 24 400 140	152 70 94 447 150	49, 3 62, 5 95, 8 57, 9 40, 0
Lowa Knusas Kentucky Louisiana Maine	97 58 70	30 80 40 01 17	48 87 49 61 17	57 95 59 70 21	70 104 00 82 26	89 108 71 82 20	80 111 72 80 32	83 104 64 73, 30	70 102 55 68 27	58 92 50 68 21	50 94 53 66 19	42 88 51 04 10	50 87 50 64 20	43.8 77.5 68.1 74.4 53.1
Maryland Massachusetts Michigan Minnesota Missouri	308 357 125	78 £37 310 04 365	80 251 312 100 381	81 273 325 109 419	88 352 428 142 531	90 305 407 157 881	90 484 505 101 500	84 372 405 150 480	81 300 422 132 408	70 282 312 123 349	110	75 262 230 112 306	75 253 231 100 207	82, 2 54, 0 45, 7 58, 4 51, 1
Montana Nebraska New Jersey New York North Carolina	105 301 1,141	3 70 250 857 24	260 903	4 98 280 1,031 29	120 334 1,278 80	7 146 404 1,484 80	158 418 1,608 30	9 147 349 1, 447 28	9 103 208 1, 153 27	202	278 1,011	82 260 937 24	78 250 925 29	33, 3 51, 0 60, 1 53, 5 70, 7
Ohio Oklahoma Pennsylvania Tennessee Texas	68 454 50	544 40 388 43 214	344	717 51 404 55 325	927 81 561 81 410	1,010 85 631 80 453	1, 033 85 851 87 464	942 95 554 71 509	84	75 303 49	68 404 40	010 54 342 47 287	581 386 47 200	52.7 46.3 51.9 40.4 42.0
Utah. Virginia. Washington. West Virginia. Wisconsin.	64 82 24	14 40 67 14 91	49 00 14	74 52 76 30 119	15 70 92 34 143	18 94 101 30 156	17 85 105 42 168	17 80 108 30 159	15 04 87 21 152	53 82 16	86 70 15		14 49 63 14 94	77. 8 52. 1 60. 0 33. 3 54. 2

# BAGS, OTHER THAN PAPER, NOT MADE IN TEXTILE MILLS

Description of the industry.—The principal products of the establishments classified in this industry are jute and canvas bags for mail, coal, cement, grain, flour, meal, money, etc.; bags for use by carpenters, newsboys, and fruit pickers; individual tea-service bags, etc. The industry does not include the manufacture of bags made and used by the same establishments as containers for flour, tobacco, cement, or other commodities of their own manufacture. The production of bags in cotton mills is shown in Table 4 of the report for the cotton-goods industry.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[ Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products 1 2	Value added by manufacture ;	Horsepower
1920 1927 1926 1928 1921 1910 1914 1909 1904	160 160 216	11, 828 11, 104 11, 404 11, 548 10, 324 10, 756 9, 358 7, 968 5, 722 3, 922	\$0, 044, 876 9, 548, 317 9, 331, 815 9, 300, 909 8, 031, 523 7, 766, 582 3, 788, 837 2, 942, 309 1, 828, 626 1, 102, 308	\$144, 275, 477 136, 748, 406 150, 102, 277 128, 221, 603 99, 437, 815 176, 017, 560 67, 021, 376 46, 304, 468 30, 758, 040 16, 438, 576	\$170, 175, 893 162, 940, 837 175, 081, 911 151, 676, 727 115, 452, 413 214, 059, 474 79, 040, 151 54, 881, 622 37, 300, 087 19, 652, 086	\$25, 000, 410 20, 201, 431 24, 970, 634 23, 454, 124 10, 014, 508 38, 041, 914 12, 027, 775 8, 517, 154 6, 641, 047 3, 213, 510	19, 159 16, 764 15, 295 13, 852 (4) 0, 076 10, 381 6, 824 4, 442 1, 681
			PER CH	NT OF INCREASE OR	DECREASE (-)		1
1027-1020 1025-1027 1023-1025 1922-1023 1910-1921 1919-1020 1909-1910 1809-1900	11. 8 11. 7 -4. 1 -21. 8 -6. 5 98. 2	5.0 -2.1 -1.2 11.9 -4.0 10.0 35.0 103.2	1. 0 2, 3 -0. 3 10, 6 3. 5 24, 3 103, 0 156, 9	5. 5 -8. 9 17. 1 28. 9 -43. 6 -18. 0 270. 6 182, 0	4. 4 -6. 9 15. 4 31. 4 -48. 1 -20. 5 290. 0 179. 3	-1.1 4.0 6.5 40.5 -57.9 -31.9 346.7 105.0	21. 0 3. 0 10. 4 

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

1 Includes values of miscellaneous products normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of bags (other than paper), as follows: 1929, \$3,633,512; 1927, \$1,933,937; 1925, \$2,769,916; corresponding amounts for earlier years not available. Does not include values of bags (other than paper) made as secondary products by establishments classified in other industries, as follows: 1920, \$4,000,219; 1927, \$5,003,503; 1925, \$6,337,193; 1923, \$0,767,-195; 1921, \$3,880,973. These amounts include the following values of bags reported by cotton mills as made from fabrics of their own weaving: 1929, \$5,833,870. No comparable data for earlier years are available.

1 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

2 Per cent not computed where base is less than 100.

## BAGS, OTHER THAN PAPER

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Octain of the States, however, for which statistics are given in combination with those for others reported larger values of products than some of the States shown separately. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—
Establishments Covered—Size]

		Num-	Sal- aried off-	Wage earners		POWER ITY) OF MENT				COST OF MA	TERIALS, FUE	EL, AND		Value
STATE	Cen- sus year	ber of estab- lish- ments	cors and om- ploy- cos i	(average for the year)	Total	Prime movers	Motors run by pur- chased onergy	Salaries	Wages	Total	Materials	Fuel and purchased onergy	Value of products 2	added by manu- facture 3
United States	1929 1927 1919	202 181 216	1, 047 1, 545 1, 720	11, 828 11, 164 10, 758	10, 150 15, 754 10, 076	6, 647 5, 923 4, 300	12, 512 0, 831 44, 710	\$4, 734, 471 4, 180, 781 4, 003, 062	\$0, 644, 876 0, 548, 317 7, 756, 582	\$144, 275, 477 136, 748, 406 176, 017, 560	\$143, 850, 270 130, 341, 970 175, 693, 964	\$416, 207 406, 436 323, 596	\$170, 175, 893 162, 949, 837 214, 059, 474	\$25, 900, 416 26, 201, 431 38, 041, 914
Individual States: California	1929 1927 1919	10 8 6	122 90 98	737 680 487	780 866 592		789 806 592	320, 459 260, 379 206, 141	679, 656 659, 723 388, 081	0, 314, 371 8, 485, 842 11, 100, 563	0, 295, 193 8, 471, 914 11, 092, 168	19, 178 13, 928 8, 305	11, 210, 537 10, 358, 682 13, 414, 851	1, 896, 166 1, 872, 840 2, 314, 288
Illinois	1920 1927 1919	17 16 9	55 50 53	484 382 381	584 598 340	125 125	584 473 224	189, 238 152, 033 251, 333	425, 400 353, 701 280, 474	4, 742, 777 5, 366, 759 5, 400, 319	4, 710, 768 5, 340, 096 5, 380, 482	23, 010 17, 663 10, 837	5, 759, 903 6, 397, 779 7, 933, 704	1, 017, 120 1, 031, 020 2, 533, 385
Knnsas	1929	3	- 28	153	315		315	ŏō, 902	119, 578	1, 052, 978	1, 046, 123	6, 855	2, 208, 605	255, 627
Louisiana	1929 1927 1919	6 6 5	114 123 100	1, 195 1, 101 634	976 981 525	200 150 125	776 831 400	342,053 384,710 323,304	603, 559 708, 254 497, 904	10, 136, 148 13, 058, 577 14, 359, 130	10, 105, 103 13, 022, 000 14, 342, 410	30, 955 30, 481 16, 711	12, 180, 430 15, 217, 021 18, 310, 111	2, 044, 201 2, 150, 344 3, 950, 981
Maryland	1929 1927 1919	0 6 12	10 18 34	137 111 183	113 129 177	00 05	113 69 112	41, 922 38, 862 92, 200	95, 413 85, 910 133, 529	1, 531, 337 1, 434, 045 2, 725, 880	1, 527, 221 1, 430, 487 2, 721, 757	4, 110 3, 558 4, 132	1, 031, 493 1, 619, 518 3, 132, 886	400, 156 185, 473 400, 997
Massachusetts	1929 1927 1919	5 6	11 7 22	74 44 140	59 48 177	*********	50 48 177	23, 583 18, 643 49, 604	05, 378 47, 985 100, 079	680, 320 541, 012 1, 551, 851	080, 833 539, 074 1, 548, 587	1, 038 3, 204	870, 851 700, 500 1, 815, 651	187, 531 150, 488 203, 800
Missouri	1920 1027 1910	15 12 10	261 260 343	1, 408 1, 280 1, 752	2, 036 1, 570 1, 126	1, 040 640 635	996 930 491	838, 325 589, 191 717, 649	1, 377, 086 1, 173, 401 1, 262, 580	18, 281, 426 16, 538, 045 32, 710, 447	18, 240, 218 10, 480, 791 32, 661, 417	41, 208 49, 154 58, 030	21, 586, 361 10, 548, 517 38, 020, 623	3, 304, 935 3, 009, 572 5, 801, 176
New Jersey	1929 1927 1919	0 7 14	41 21 39	331 183 824	305 214 351	278	365 214 73	125, 454 63, 547 115, 342	345, 794 162, 804 530, 894	4, 349, 237 2, 061, 777 12, 748, 834	4, 325, 275 2, 055, 050 12, 724, 755	23, 002 6, 721 19, 079	5, 340, 558 2, 450, 487 14, 690, 784	001, 321 388, 710 1, 952, 000
Now York	1020 1927 1910	38 38 56	244 275 264	1, 715 2, 002 1, 508	3, 484 3, 465 1, 780	2,040 1,675 788	1, 444 1, 700 1, 001	876, 425 904, 765 755, 203	1, 737, 805 2, 144, 243 1, 082, 756	24, 802, 800 23, 507, 457 21, 253, 636	24, 822, 505 23, 475, 050 21, 185, 074	70, 394 92, 407 67, 902	20, 840, 322 28, 053, 010 26, 821, 037	4, 050, 428 5, 085, 550 5, 508, 301
Ohio	1020 1027	9	34 35	285 328	243 307		243	80, 484 104, 184	285, 762 322, 380	3, 408, 579 3, 523, 720	3, 455, 762 3, 510, 850	12, 817 12, 870	3, 084, 583 4, 510, 174	515, 054 902, 454
Pennsylvania	1	11 12 14	50 54 45	353 326 340	192 220 202		192 220 202	151, 052 198, 006 104, 989	298, 682 287, 993 267, 589	11	El .		4, 704, 980 4, 589, 737 6, 979, 582	1, 114, 031 836, 644 1, 753, 361
Tennessee	1920 1027 1019	5 6 7	70 84 90	000 824 002	1,873 903 351		1, 873 903 351	179, 040 222, 262 225, 608	470, 705 578, 014 428, 921	8, 302, 516 9, 544, 878 10, 817, 270	8, 304, 710 0, 500, 800	27, 800 37, 088	9, 407, 649 10, 874, 085 12, 318, 292	1, 075, 133 1, 329, 207 1, 501, 013
Texas	1929 1027 1919	13 0 6	114 67 80	872 538 372	947 462 313		947 462 313	244, 811 150, 871 156, 012	546, 152 360, 765 251, 050	9, 890, 763 6, 986, 052 7, 026, 961	0, 870, 447 0, 978, 384 7, 018, 975	7,608	11, 343, 293 7, 934, 296 7, 909, 765	1, 452, 530 948, 244 882, 804
Virginia	1029 1027 1919	0 9 13	38 51 43	390 316 441	525 296 200	110	525 296 159	95, 875 87, 618 65, 327	202, 737 101, 546 221, 318	4, 605, 037 3, 195, 338 4, 225, 623	4, 500, 303 3, 188, 374 4, 216, 655	8, 734 0, 904 8, 908	5, 207, 118 3, 765, 512 4, 840, 831	802, 081 570, 174 815, 208
Groups of States: Ala., 3 est.; Fla., 3; Ky., 1	1929	7	26	350	296	25	271	51, 884	188, 274	2, 787, 256	2, 779, 030	7, 620	3, 356, 887	560, 031
Conn., 3 est.; R. I.,	1020	5	12	26	14		14	21, 335	24, 353	04, 785	02, 941	1,844	177, 690	82, 914
Ga., 7 est.; N. C. 2; S. O., 2		11	143	026	2, 385	1, 700	085	396, 817	438, 912	10, 743, 540	10, 715, 771		12, 280, 288	1, 542, 742
Ind., 3 est.; Mich., 2; Minn., 5; Wis., 4	1929	14	182	1, 240	3, 008	1, 152	1,856	451, 957	1, 210, 756	16, 034, 828	16, 572, 128	62, 700	19, 280, 168	2, 645, 340
Other States (Nebr., 1 est.; Oreg., 2; Utah, 1; Wash., 2)	1929	6	74	450	955	490	405	239, 355	450, 774	8, 176, 725	8, 102, 220	14, 505	9, 423, 209	1, 246, 484
States not shown sepa- rately	\$ 1027 \$ 1010	30	401 482	2, 890 2, 963	5, 695 2, 861	3, 273 2, 240		1, 005, 701 1, 030, 194	2, 386, 448	ii	!		46, 323, 613 57, 864, 507	7, 632, 702 10, 997, 700

¹ Not including proprietors and firm members, as follows: For 1929, 103; 1927, 94; 1919, 106. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage carners—as reported for the industry, are as follows: For 1929, 13,578; 1927, 12,803; 1919, 12,642.

1 The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of

Products,

Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

Data for purchased power other than electric (power transmitted into the plant by bolt or shaft) are included in the State items for 1919 but not in the United States totals.

^{*} Data for purenased power other train electric (power transmissed and the second power trains and the second power trains and the second power trains are second power trains and the second power trains are second power trains and the second power trains are second power trains and the second power trains are second power trains and the second power trains are second power trains and the second power trains are second power trains and the second power trains are second power trains and training at the second power trains are second power training at the second

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	1	929	18	927	16	)25	18	)19	11	014	PER CENT BUTIO RATED POWER C	N OF HORSE-
Collaboration of the second of	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- . ber	Capac- ity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate	3, 014	Florse- power 19, 159	2, 176	Horse- power 15, 754	1,800	Horse- power 15, 295	1, 051	Horse- power 9, 076	520	Horse- power 10, 381	100. 0	100, 0
Prime movers, total	29	6, 647	30	5, 023	33	5, 751	39	4, 366	45	6, 793	34.7	48, 1
Steam, total	27	6, 497	25	5, 642	28	5, 470	33	4, 216	36	6, 511	33. 0	46, 5
Engines	25 2	4, 897 1, 600	24 1	4, 302 1, 340	24	4, 095 1, 375	32 1	4, 116 100	{}	(¹) (¹)	25. 6 8. 3	45, 4 1, 1
Internal-combustion engines	2	150	5	281	5	281	0	150	7 2	192 90	0.8	1.6
Electric motors driven by purchased energy	2, 085	12, 512	2, 146	9, 831	1,866	9, 544	1,012	4,710	484	3, 588	65. 3	51.9
Electric motors, total	3, 592	15, 413	2, 769	13, 107	2, 558	12, 711	1,000	8, 104	1,047	7, 289	100.0	100, 0
Driven by purchased energy.  Driven by energy generated in establishments reporting	2, 085 607	12, 512 2, 901	2, 146 623	9, 831 3, 276	1,866 692	9, 544 3, 167	1,012 648	4, 710 3, 454	484 563	3, 588 3, 701	81. 2 18. 8	57, 7 42, 3
Electric generators	21	Kilo- watts 3, 525	32	Kilo- watts 3, 752	20	Kilo- walls 3, 034	(4)	<b>(3)</b> [3	(2)	(4)		
Electric energy purchased 4		Kilowatt- hours 7, 904, 787		(1)		(9)		(2)		(2)		

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-laced figures and that of minimum employment by italic figures]

	A verago		2 (2.3) 2 (2.3) 2 (2.3)	NUMBER :	EMPLOYED	ON 15TH I	DAY OF MC	NTH OR N	EAREST R	EPRESENTA	TIVE DAY			Per
STATE	number employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
United States: 1929- 1925- 1910- 1914- 1909-	11, 828 11, 404 10, 756 9, 358 7, 968	11,100 10,726 10,463 8,068 7,878	11, 228 11, 090 9, 848 9, 023 7, 516	11, 705 11, 375 9, 461 9, 394 7, 626	11, 783 11, 108 0, 541 0, 399 7, 040	11, 513 10, 760 10, 155 9, 308 7, 543	11, 540 10, 883 10, 405 0, 578 7, 508	11, 954 11, 214 11, 013 9, 951 7, 974	12, 244 11, 730 11, 531 0, 820 8, 310	12, 479 12, 114 11, 409 9, 818 8, 528	12, 578 12, 302 11, 803 0, 420 8, 553	12, 204 11, 857 11, 670 8, 747 8, 640	11, 604 11, 682 11, 503 8, 864 8, 395	88, 2 87, 2 80, 2 87, 9 85, 3
California Illinois Kansas Louisiaua Maryland	737 484 153 1, 195 137	617 477 153 1,040 180	636 482 151 1,058 138	755 489 161 1,031 144	754 493 153 1, 028 145	773 483 189 1, 050 139	766 481 143 1,060	777 477 147 1, 161 139	707 482 168 1,423 139	811 481 152 1, 478 140	807 480 164 1,419 135	722 492 159 1, 383 133	061 487 148 1, 214 132	76. 1 96. 8 82. 7 69. 6 80. 7
Massachusetts Missouri New Jersey New York Ohio	1, 715 285	79 1,387 326 1,630 286	79 1, 442 328 1, 645 284	79 1, 463 339 1, 716 283	1,399 337 1,708 204	70 1, 389 336 1, 682 280	70 1, 369 355 1, 721 285	09 1, 444 350 1, 730 295	69 1,443 340 1,760 275	73 1, 411 349 1, 788 289	77 1, 439 354 1, 780 204	76 1, 389 283 1, 727 276	76 1, 323 266 1, 603 277	87. 3 90. 4 74. 9 91. 2 93. 2
Pennsylvania Tennessee Texas Virginia	353 696 872 390	330 684 821 293	341 698 7 <i>96</i> 320	971 702 830 390	358 695 880 478	355 685 879 374	358 690 844 343	361 728 935 382	360 689 925 383	347 712 906 404	358 694 894 453	357 094 891 458	339 <i>677</i> 867 404	88. 0 93. 3 85, 1 61. 9

Not called for separately on schedule.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

# BELTING OTHER THAN LEATHER AND RUBBER, NOT MADE IN TEXTILE MILLS

Description of the industry.—This industry em- | facture, from purchased fabrics, of cotton and canvas braces establishments engaged primarily in the manu- | belting, both sewed and endless, and balata belting.

#### TABLE 1.—SUMMARY FOR THE UNITED STATES: 1923 TO 1929

YEAR OR PERIOD	Number of establish- ments	Wage carners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ?	Horsepower
1039	0 11 11 13	255 343 254 335	\$298, 910 410, 698 264, 246 350, 736	\$1, 328, 090 1, 480, 841 1, 505, 602 1, 674, 041	\$2,788,627 3,211,875 3,111,500 3,311,627	\$1, 460, 587 1, 722, 034 1, 515, 898 1, 637, 486	1, 048 1, 457 914 930
HARLEY COMES OF STATE				NT OF INCREASE OR	DECREASE (-)		
1927-1929	(4) (4)	-25.7 35.0 -24.2	-27, 2 55, 4 -24, 7	10.9 0.6 1.7	-13. 2 3. 2 -0. 0	-15.2 13.0 -7.4	13. 1 59. 4 —1. 7

For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

No comparable figures available for years prior to 1923.

Per cent not computed where base is less than 100.

TABLE 2.—GENERAL STATISTICS FOR THE UNITED STATES AND FOR PENNSYLVANIA: 1929 AND 1927

[Pennsylvania is the only State for which figures can be given without disclosing data for individual establishments. See General Explanations—Establishments Covered—Size]

		Num-	Sala- ried offi-	Wago earners		POWER CITY) OF PALENT	(RATED POWER	The second secon			ATERIALS, FU D ELECTRIC I			Yaluş
STATE	Census year	ber of estab- lish- ments	cers and em- ploy- es 1	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased onergy	Salaries	Wages	Total	Matorials	Fuol and pur- chased onergy	Value of products 2	added by manufac- ture *
United States	1029 1927	0 11	122 155	255 343	1,648 1,457	824 658	824 700	\$405, 346 531, 308	\$298,910 410,098	\$1,328,000 1,480,841	\$1,287,303 1,440,264	\$40, 697 49, 577	\$2,788,627 3,211,875	\$1,460,537 1,722,034
Pennsylvania	1920 1927	4 4	58 63	106 215	1, 162 857	375 125	787 732	198, 119 200, 532	187, 836 250, 848	605, 024 857, 680	037, 523 823, 550	27, 501 34, 130	1, 303, 513 1, 629, 579	728, 480 771, 899
Other States	4 1029 8 1927	5 7	64 92	89 128	486 600	449 533	87 67	297, 227 330, 866	111,074 150,850	663, 066 632, 161	649, 870 616, 714	13, 196 15, 447	1, 395, 114 1, 582, 296	732, 048 950, 135

¹ Not including proprietors and firm members, as follows: For 1929, 6; 1927, 6. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 383; 1927, 504.

2 The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products.

3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Illinois, 1 establishment; Indiana, 1; Maryland, 1; New Jersey, 1; Ohio, 1.

5 Illinois, 1 establishment; Maryland, 3; Minnesota, 1; Now Jersey, 1; Ohio, 1.

TABLE 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS, ELECTRIC MOTORS, AND GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	1	929	19	27	19	25	Per cent distribu- tion of rated horse-
	Number	Capacity	Number	Capacity	Number	Capacity	capacity, 1929
Prime movers and electric meters driven by purchased energy, aggregate	81	Horse- power 1,648	75	Horse- power 1,457	74	Horse- power 914	100.0
Prime movers, total.	7	824	8	658	7	624	50.0
Steam engines Internal-combustion engines Electric motors driven by purchased energy	6 1 74	818 0 824	6 2	643 15 790	5 2 67	608 16	49. 6 0. 4
Electric motors, total		844	69	824	60	200 345	50.0 100.0
Driven by purchased energy. Driven by energy generated in establishments reporting.		824 20	67	790 25	67	290 55	97. 6 2. 4
Electric generators	2	Kilowaits 70 Kilowait-	2	Kilowatts 70	2	Kilowaits 70	
Electric energy purchased 1		hours 647, 387		.(3)		(2)	

¹ This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc. 2 Data incomplete.

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929 AND 1925, AND FOR PENNSYLVANIA, 1929

[Pennsylvania is the only State for which figures can be given without disclosing data for individual establishments. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by *static* figures!

STATE	Average number employed	1	NUM	BER EMPL	OYED ON 1		OF MONTH	or neare	ST REPRES	BENTATIVE	DAY			Per cent mini- mum
The Market State of the Control	during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	ls of maxi- mum
United States: 1029 1925		259 245	265 252	261 225	250 210	242 219	231 236	255 256	266 264	263 275	264 274	258 303	248 295	86. 8 69. 3
Pennsylvania	106	165	170	164	161	157	168	167	178	172	172	172	163	86.0

# CARPETS AND RUGS, RAG

Description of the industry.—This industry embraces those establishments whose principal products are rag and fluff carpets and rugs made from materials obtained from old carpets and rugs, and to some extent from cotton yarns, cut rags, and mill ends. The "Value of Products" as given in Tables 1 and 2 consists in part of the actual value of carpets and rugs manufactured from materials owned by the same establishments and in part of the amounts received for work done on a contract basis on materials owned by others.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Fize]

YEAR OR PERIOD	Number of establishments	Wago carners (average for the year)	Wagos	Cost of materials, fuel, and pur- chased electric energy	Value of products !	Value added by manufacture?	Horsepower
1929 1927 1925 1923 1921 1910 1914 1909 1904 1890	04 110 139 161 140 330 403 428 863 805	1, 520 1, 633 1, 901 2, 041 1, 570 2, 016 2, 130 1, 082 1, 736 1, 818	\$1, 562, 872 1, 677, 572 1, 875, 750 1, 856, 701 1, 440, 407 1, 550, 501 904, 608 800, 460 674, 929 443, 380	\$1, 658, 037 1, 036, 871 1, 042, 334 2, 095, 107 1, 630, 171 2, 037, 874 721, 728 688, 621 480, 286 622, 185	\$5, 510, 708 5, 800, 205 6, 700, 812 0, 007, 441 4, 800, 405 6, 507, 057 2, 780, 430 2, 507, 560 1, 913, 286 1, 765, 256	\$3, 851, 831 4, 253, 804 3, 707, 478 4, 002, 274 3, 221, 234 3, 559, 188 2, 044, 711 1, 878, 948 1, 429, 001 1, 133, 071	2, 416 2, 005 2, 340 2, 587 (4) 2, 050 2, 050 2, 550 1, 581 570
			PER CEN	IT OF INCREASE OR I	DECREASE ()		
1927–1929 1926–1927 1928–1925 1921–1923 1910–1921	-14.5 -20.0 -7.0 1.3 -56.0	-0.4 -14,1 -0.0 20.5 -21,8	-6. 9 -10. 6 1. 0 28. 0 -7. 1	1. 4 -15. 8 -7. 3 27. 8 -19. 6	-6. 4 3. 2 -0. 4 25. 5 -13. 2	-0.5 12.0 -5.9 24.2 -9.5	20. 5 -14. 6 -0. 2
1919-1929 1909-1919 1899-1909	-72.8 -20.8 -46.8	-24, 2 1, 7 50, 4	0.8 80.2 94.1	-18.6 195.0 10.7	-1.5 118.0 40.3	8. 2 80. 4 65. 8	-0, 1 3, 9 342, 0

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

1 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

1 Not called for on schedule.

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Certain of the "Other States," however, reported larger values of products than some of the States shown separately. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

•						*								
		Num-	Salaried	Wage	HORSEPO CAPAC EQUIP	ITY) OF	(RATED POWER			COST OF M.	ATERIALS, FU D ELECTRIC I	EL, AND ENERGY		Value
STATE	Census year	of es-	m	earners (average for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and purchased energy	Value of products 2	added by manufac- ture ³
United States	1929 1927 1919	94 110 339	254 281 309	1, 529 1, 633 2, 016	2, 416 2, 005 42, 659	182 233 658	2,234 1,772 12,001	\$480,079 511,189 383,870	\$1, 562, 372 1, 677, 572 1, 550, 501	\$1,658,937 1,636,371 2,037,874	\$1,557,616 1,542,434 1,947,915	\$101, 321 93, 937 89, 959	\$5, 510, 768 5, 890, 265 5, 697, 057	\$3, 851, 831 4, 253, 894 3, 559, 183
California	1929 1927 1919	12 9 23	9 5 19	94 63 108	152 105 119	5	152 105 114	25, 312 6, 522 23, 219	124, 880 80, 784 105, 467	63, 138 40, 109 42, 663	58, 846 37, 018 40, 368	4, 202 3, 091 2, 205	374, 178 261, 527 314, 805	311, 040 221, 418 272, 142
Massachusetts	1929 1927 1919	14 12 19	11 7 10	76 74 81	90 156 84	40 60 20	50 96 64	15, 960 10, 165 11, 917	61, 052 57, 585 67, 321	74, 373 46, 098 48, 539	71, 718 43, 194 45, 812	2, 655 2, 904 2, 727	238, 547 172, 800 190, 598	164, 174 126, 768 142, 059
New Jersey	1929 1927 1919	7 7 15	3 8 4	58 97 86	44 73 79	05	44 73 14	3, 045 19, 374 1, 987	39, 704 87, 757 64, 930	46, 408 106, 360 87, 853	43, 797 101, 107 84, 985	2, 611 5, 253 2, 868	170, 900 271, 454 197, 935	124, 582 105, 004 110, 082
New York	1929 1927 1919	6 12 33	9 23 41	26 133 174	46 199 277	50 14	46 149 263	9, 449 80, 629 71, 072	27, 642 152, 346 140, 215	29, 102 157, 734 114, 213	27, 700 151, 230 105, 185	1, 402 0, 504 0, 028	120, 030 573, 236 473, 531	90, 937 415, 501 359, 318
Pennsylvania	1929 1927 1919	12 11 56	23 36 66	379 402 668	521 402 598	100 100 207	421 302 391	47, 646 91, 996 76, 463	270, 147 295, 033 407, 598	424, 325 460, 774 1, 001, 500	404, 175 440, 660 1, 072, 192	20, 105	955, 988 1, 242, 279 2, 093, 912	531, 663 781, 505 1, 002, 352
Other States	\$ 1929 \$ 1927 7 1919	43 50 103	202	864	1, 563 1, 070 1, 517	42 23 347		378, 667 343, 503 199, 212	1, 038, 047 1, 004, 067 764, 970	1, 021, 501 825, 296 653, 046	951, 380 769, 216 599, 373	56,080	3, 651, 026 3, 368, 904 2, 326, 276	2, 629, 435 2, 543, 608 1, 673, 230

1 Not including proprietors and firm members, as follows: For 1929, 83; 1927, 92; 1919, 391. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1920, 1,866; 1927, 2,006; 1919, 2,716.

2 For 1920, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

3 Value of products less cost of materials, (uel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919 but not in the United States totals.

totals.

Alabama, 2 establishments; Connecticut, 1; Illinois, 6; Indiana, 2; Iowa, 1; Kansas, 5; Kentucky, 1; Maine, 5; Michigan, 2; Minnesota, 5; Missouri, 1; Nobraska, 1; North Carolina, 1; Ohio, 5; Oregon, 1; Washington, 1; Wisconsin, 3.

Colorado, 2 establishments; Connecticut, 2; Illinois, 5; Indiana, 3; Iowa, 3; Kansas, 3; Kentucky, 2; Maine, 5; Maryland, 1; Michigan, 4; Minnesota, 4; Mississippl, 1; Missouri, 2; Nobraska, 1; Now Hampshire, 1; Ohio, 6; Oregon, 4; Rhode Island, 1; South Dakota, 1; Washington, 5; Wisconsin, 3.

Colorado, 6 establishments; Connecticut, 7; Illinois, 30; Indiana, 11; Iowa, 22; Kansas, 14; Kentucky, 2; Maine, 3; Maryland, 1; Michigan, 10; Minnesota, 9; Missouri, 8; 7 Colorado, 6 establishments; Connecticut, 7; Illinois, 30; Indiana, 11; Iowa, 22; Kansas, 14; Kentucky, 2; Maine, 3; Maryland, 1; Michigan, 10; Minnesota, 9; Missouri, 8; Montana, 1; Nebraska, 6; New Hampshire, 2; Ohio, 25; Okiahoma, 2; Oregon, 3; Rhode Island, 2; South Dakota, 1; Vermont, 3; Washington, 8; West Virginia, 1; Wisconsin, 16; Missouri, 10; M

Table 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	11	929	19	27	19	925		19	19	114	PER CEN TRIBUTI RATED I POWER C.	ON OF IORSE-!
	Num- ber	Capacity	Num- ber	Capac-	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate.	656	Horse- power 2,416	461	Horse- power 2, 005	564	Horse- power 2, 349	520	Horse- power 2, 650	408	Horse- power 2, 056	100.0	100. 0
Prime movers, total	4	182	13	233	15	374	49	058	94	1, 237	7.5	24. 7
Steam engines	2	130	8	150	4	201	15	380	17	429	5.4	14.6
Internal-combustion engines Water wheels and water turbines	1	12 40	4 1	43 40	10 1	133 40	34	<b>2</b> 60	75 2	748 60	0. 5 1. 6	10.1
Electric motors driven by purchased energy	652	2, 234	448	1,772	540	1, 975	471	2,001	314	1,419	92. 5	75, 3
Electric motors, total	658	2, 273	454	1,811	558	2, 001	483	2,063	323	1,515	100.0	100.0
Driven by purchased energy Driven by energy generated in establishments reporting.	652 6	2, 234 39	448 6	1,772 39	549 9	1, 975 86	471 12	2,001 62	314 9	1,419 96	98.3 1.7	97.0 3.0
Electric generators	1	Kilowatis 60	2	ICilo- watts 63	1	Kilo- watts 60	(1)	(1)	(1)	(1)		
Electric energy purchased 2		Kilowatt- hours 1, 910, 106		. (3)		. (3)		(1)		. (1)		

¹ Not called for on schedule.
2 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc. Data incomplete.

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Table 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average number	***		NUMBER	EMPLOYED	ON 15TH	DAY OF MO	ONTH OR N	earest r	EPRESENT/	TIVE DAY			Per cent
STATE	em- ployed during year	January	February	March	April	May	Juno	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi-
												,	٨.	mum
United States: 1920. 1925. 1919. 1914. 1909.	1,529 1,901 2,016 2,130 1,982	1, 475 1, 904 1, 608 1, 943 1, 648	1, 494 1, 938 1, 640 1, 994 1, 603	1, 520 2, 012 1, 723 2, 072 1, 863	1, 550 2, 057 1, 933 2, 271 2, 045	1,565 2,070 2,037 2,359 2,108	1, 606 1, 935 2, 113 2, 330 2, 183	1, 553 1, 838 2, 001 2, 100 2, 120	1,500 1,807 2,108 2,127 2,053	1, 512 1, 708 2, 104 2, 118 2, 058	1, 537 1, 837 2, 204 2, 108 2, 048	1, 512 1, 840 2, 276 2, 071 2, 000	1, 520 1, 777 2, 325 1, 002 1, 049	91.8 85.8 69.4 82.4 75.3
California Massachusetts New Jersey New York Pennsylvania	94 76 58 26 379	83 75 55 25 860	81 78 50 26 370	86 74 58 26 370	102 70 57 26 369	08 80 50 26 375	95 78 58 26 389	98 77 60 26 381	88 78 55 26 372	95 70 59 28 370	90 74 59 26 382	103 74 50 28 396	99 82 57 28 402	78. ( 89. ( 91. 7 96. 2 91. 8

# CAB SINDS SMA MERCHALL CLOTH SPONGING AND REFINISHING

Description of the industry.—The establishments. classified in this industry are engaged primarily in sponging and refinishing woolen cloth on contract. The value of products shown represents merely the amount received for work done. Many of the estab-

lishments engaged in the manufacture of clothing do their own sponging and refinishing, but no data for such establishments are included in the statistics for this industry.

#### TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage carners (average for the year)	Wages.	Cost of materials, fuel, and purchased electric energy	Value of products 1	Value added by manufacture ²	Horsepower
1020	46 52 61 65 67 51 57 55 46	902 736 931 1, 226 1, 123 1, 206 901 975 705 534	\$1, 457, 104 21, 502, 111 1, 889, 118 2, 209, 506 1, 700, 597 1, 564, 601 658, 377 651, 263 503, 935 268, 191	\$88, 340 100, 779 203, 429 208, 263 264, 300 178, 161 132, 653 85, 203 38, 852 17, 490	\$3, 301, 221 3, 457, 938 3, 888, 852 4, 651, 730 4, 101, 084 3, 690, 858 1, 531, 317 1, 548, 872 1, 626, 930 566, 000	\$3, 272, 881 3, 297, 159 3, 685, 423 4, 363, 473 3, 836, 784 3, 512, 697 1, 388, 604 1, 458, 669 1, 014, 087 548, 510	800 933 975 911 (3) 927 977 537 244 48
			PER CEI	T OF INCREASE OR	DECREASE ()		
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921	(4) (5) (6)	22. 6 -20. 9 -24. 0 . 9. 1 -6. 9	-3.0 -20.5 -14.5 24.9 13.1	-45, 1 -21, 0 -31, 8 12, 9 48, 3	-2.8 -11.1 -16.4 13.4 11.1	-0.7 -10.5 -16.3 13.5 9.2	-14.3 -4.3 7.0
1919-1929 1909-1919 1809-1909	(4) (4) (4)	-25, 2 23, 7 82, 6	-6.9 140.3 142.8	50, 4 109, 1 387, 2	-8.9 139.1 172.8	-6.8 140.8 105.9	-13, 7 72, 6

1 Amount received for work done. (See "Description of the industry," above.)
2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
3 Not called for on schedule.
4 Per count not computed where base is less than 100.

#### TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Data for establishments with products under \$5.000 in value are included for 1919 but not for subsequent years. See General, Even and Tone—Establishments Covered—Sizel

products under 55,	000 111 000	ine are i	Termoon 1	Of 1919 D	us not to	rsubsequ	tont year	s, bus cre	NERAL EXPL	ANATIONS	-rsumsn	ments Co	vereusize)	
		Num-	Salaried officers	Wage earners	HORSEP CAPAC EQUIE	OWER HTY) OF MENT	(RATED POWER				MATERIAL: RCHASED 1			Value
STATE	Census year	estab- lish- ments	and employ- ecs ¹	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wagos	Total	Matorials	Fuel and purchased energy	ord products 1	ndded by manufac- ture ³
United States	1929 1927 1919	46 52 67	161 176 193	902 736 1, 206	800 933 1 927	191 432	800 742 4495	\$559, 463 604, 017 612, 363	\$1, 457, 104 1, 502, 111 1, 564, 661	\$88, 340 160, 779 178, 161	\$23, 505 86, 720 119, 829	\$64,835 74,050 58,332	\$3, 301, 221 3, 457, 938 3, 690, 958	\$3, 272, 881 3, 207, 150 3, 512, 607
Maryland	1929 1927 1919	3 3 4	11 8 6	48 42 42	32 143 115	101 110	32 42 5	39, 521 26, 664 9, 180	74, 556 83, 249 43, 753	6, 280 13, 223 9, 766	178 6,545 3,175	0, 102 0, 678 0, 591	178, 318 176, 871 110, 030	172, 038 103, 648 110, 173
Massachusetts	1929 1927 1919	4 4 6	5 8 7	41 43 51	57 104 21	20	57 84 21	15, 320 21, 320 12, 303	57, 588 64, 133 57, 300	4, 320 7, 958 5, 972	1, 640 2, 371 4, 536	2, 680 5, 587 1, 436	110, 701 150, 915 107, 614	115, 381 142, 957 101, 042
New York	1929 1927 1919	25 29 39	107 124 153	645 458 819	510 521 462	70 160	510 451 302	387, 338 454, 796 532, 799	1, 069, 006 1, 065, 417 1, 182, 951	57, 533 111, 108 85, 684	11, 373 68, 530 52, 045	46, 160 42, 578 33, 639	2, 405, 332 2, 439, 071 2, 870, 149	2, 347, 799 2, 328, 563 2, 784, 465
Ohto	1929 1927 1919	5 5 6	13 12 7	57 67 64	54 66 37	12	54 60 25	41, 205 28, 787 10, 810	84, 365 96, 012 68, 283	12,730 14,868 6,103	8, 027 5, 227 4, 860	4,703 9,041 1,243	243, 308 273, 034 149, 813	230, 578 258, 166 143, 710
Pennsylvania	1929 1927 1919	5 6 6	9 10 14	57 71 138	111 75 281	150	111 75 131	21, 188 13, 874 35, 732	86, 404 92, 136 111, 503	5, 078 7, 902 42, 623	2, 146 3, 706 29, 717	2, 932 4, 196 12, 906	215, 526 188, 901 238, 261	210, 448 180, 999 195, 638
Other States	5 1929 6 1927 7 1919	4 5 6	16 14 6	54 55 92	36 24 36		36 24 36	54, 891 58, 576 11, 530	85, 125 101, 164 100, 871	2, 399 5, 720 28, 013	141 841 25, 496	2, 258 5, 379 2, 517	199, 036 228, 546 205, 082	106, 637 222, 826 177, 060

1 Not including proprietors and firm members, as follows: For 1929, 20; 1927, 29; 1919, 55. The total numbers of persons engaged—proprietors and firm members, salaried efficers and employees, and wage cerners—as reported for the industry, are as follows: For 1929, 1,083; 1927, 041; 1919, 1,454.

2 Amount received for work done. (See "Description of the industry," above.)

3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value'Added by Manufacture.

4 Data for purchased power other than electric (power transmitted into the plant by beit or shaft) are included in the State items for 1919 but not in the United States totals.

totals.

8 California, 1 establishment; Illinois, 2; Missouri, 1.

8 Illinois, 2 establishments; Kentucky, 1; Michigan, 1; Missouri, 1.

7 Illinois, 4 establishments; Michigan, 1; Missouri, 1

Table 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

түре	19	20	199	27	19	25	19	10	19	14	PER CEN TRIBUTI RATED I POWER C	ON OF IORSE-
	Num- ber	Capae- ity	Num- bor	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate	342	Ilorse- power 800	338	Horse- power 933	273	Horse- power 975	258	Horse- power 927	127	Horse- power 677	100.0	100.0
Prime movers, total			11	191	5	344	10	432	11	376		46.6
Steam enginesInternal-combustion engines			5 6	134 57	3 2	327 17	8 2	412 20	11	876		44. 4 2, 2
Electric motors driven by purchased energy	342	800	327	742	268	631	248	495	116	301	100.0	53.4
Electric motors, total	342	800	327	742	285	666	260	520	116	301	100.0	100.0
Driven by purchased energy	342	800	327	742	268	631	248	495	116	801	100.0	95, 2
reporting		Kilo- watts	3 3 4 5	Kilo- watts	17	Kilo- watts 125	(1)	25	7.1. (i)	(1)		4.8
13300tto Boilovinota		Kilo- wati-	3.75		SE, 943					. 13		
Electric energy purchased 2		hours 823, 017	1997 d 1887	(8)	) 2013/1011	. 0\		(1)		(1)	1 1965	11. 12%

Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment by italic figures]

Smith of Hilling	A verage	10 (10)		NUMBER	EMPLOYED	ON 15TH	DAY OF MO	ONTH OR N	ealust r	CPRESENT!	rive odr	34 50	nang si	Per
STATE	number employed during year		February	March	April	May	June	July	August	Soptom- bor	October.	Novem- ber	Decom- bor	cent mini- mum is of max- imum
United States: 1929 1925 1910 1914	902 931 1, 206 901 975	805 1,000 <i>901</i> 930 <i>925</i>	1,000 1,028 918 933	904 977 1, 053 914 943	900 804 1, 048 908 961	012 887 1, 087 804 974	914 890 1, 183 893 992	930 928 1, 353 900 977	921 922 1, 378 899 977	914 909 1, 336 926 997	880 017 1, 310 890 1, 006	874 925 1,332 809 1,013	857 918 1, 367 862 1, 001	02, 2 87, 9 71, 9 02, 7 91, 3
Maryland Massachusetts New York Ohlo Pennsylvania	48 41 645 57 57	48 40 636 58 59	48 42 653 50 50	48 58 648 59 58	48 40 642 50 58	48 39 654 61 57	48 42 653 50 50	48 42 665 00 60	48 42 058 58 60	48 42 657 <i>64</i> 58	48 98 048 54 48	48 88 024 54 57	48 43 608 55 55	88, 4 90, 7 88, 5 80, 0

## CORDAGE AND TWINE; JUTE GOODS; LINEN GOODS

Description of the industries.—The industry designation "Cordage and twine" covers all establishments engaged primarily in the manufacture of rope, cordage, and twine (including binder twine), from any class of textile materials, including cotton, jute, flax, and paper.

The "Jute goods" industry consists in the manufacture of bagging, other woven fabrics, and yarns, in which jute is the principal material.

The classification "Linen goods" is applied to establishments whose products of chief value are threads, yarns, or fabrics made wholly or principally from flax.

Because of the close relationship of these industries, statistics are presented for the group as a whole in all the tables in this report; and separate figures are given for the individual industries also in Tables 1, 2, 6, and 7.

Manufacture of binder twine in penal institutions.—Considerable quantities of binder twine are manufactured in penal institutions, which are not treated as manufacturing establishments for census purposes. Special canvasses of penal institutions have been made, however, in order to ascertain their production of binder twine. The amounts reported for 1929 and 1927 were 47,322,550 pounds and 57,808,454 pounds, respectively. The addition of these amounts to those shown in Table 3 gives the following aggregates: For 1929, 219,247,656 pounds; for 1927, 227,603,692 pounds.

Table 1.—Summary for the industries, in combination and separately, for the united states:  $1899\,$  To  $1929\,$ 

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products 1	Value added by manufacture ?	Horsepower
THE GROUP AS A WHOLE  1920 1927 1925 1928 1921 1910 1914 1910 1900 1904 1809 Per cent of increase or decrease (): 1927-1929 1925-1027 1923-1925 1921-1023 1919-1921 1919-1929 1909-1919	167 169 168 167 150 160 151 133 141 1.3 -1.3 -0.6 0.6 0.6	21, 615 22, 972 24, 310 25, 304 22, 770 20, 650 27, 323 24, 806 24, 508 20, 903 -5. 9 -5. 11, 1 -14, 5 -18, 9 7, 2	\$10, 295, 043 21, 206, 510 22, 120, 444 23, 823, 220 19, 680, 062 22, 771, 080 11, 441, 723 8, 843, 242 8, 680, 785 6, 331, 741 -0. 0 -4. 1 -7. 1 21. 0 -118. 6 -15. 3	\$71, 765, 205 73, 316, 832 87, 808, 516 72, 063, 837 50, 888, 275 111, 604, 303 60, 474, 417 30, 530, 892 44, 800, 546 32, 197, 885 -2.1 -16. 6 21. 8 20. 3 -40. 3 -45. 7 182. 3	\$123, 061, 772 122, 735, 838 130, 121, 610 125, 604, 975 1001, 977, 441 174, 807, 220 83, 235, 668 50, 121, 980 62, 933, 320 47, 601, 607  0. 3 —11. 8 11. 2 23. 8 —42. 2 —20. 6	\$51, 300, 507 40, 410, 006 51, 313, 100 53, 031, 138 41, 183, 106 63, 202, 917 22, 760, 651 10, 585, 007 18, 048, 783 15, 403, 722 3, 8 -3, 7 -3, 2 28, 8 -34, 8 -18, 8	110, 100 122, 007 118, 435 100, 348 (3) 104, 760 93, 737 78, 430 65, 793 47, 447 -2.9 3.5 11.4
1809-1909.  CORDAGE AND TWINE  1920. 1927. 1925. 1923. 1924. 1910. 1914. 1109. 1904. 1800. Por cent of Increase or decrease (-): 1927-1929. 1925-1927. 1921-1923. 1921-1923. 1910-1921. 1910-1920. 1909-1910. 1899-1900.	7.1  123 116 118 121 118 120 103 112 102 105 6.0 -1.7 -2.5 -1.7	19. 0  14, 489 15, 084 15, 084 16, 400 10, 382 14, 593 17, 622 15, 789 14, 620 14, 614 13, 114  -3. 0 -2. 1 -6. 0 12. 3 -17. 2 -17. 8 20. 5 11. 6	39. 7  12, 833, 501 13, 674, 081 14, 018, 511 15, 148, 157 12, 923, 694 14, 700, 061 6, 905, 596 5, 343, 300 5, 338, 178 4, 113, 112 6, 12, 5 -7, 5 17, 2 -12, 1  -12, 7 177, 1 29, 0	22, 8 54, 573, 250 56, 105, 003 60, 847, 504 53, 642, 371 46, 480, 950 89, 705, 282 43, 605, 473 29, 316, 402 30, 095, 747 26, 632, 000 -2. 7 -16, 1 24, 6 15, 4 -48, 2 -30, 2 206, 0 10, 1	24. 2  01, 456, 117 89, 172, 495 100, 447, 564 85, 283, 038 75, 356, 705 133, 360, 470 50, 761, 486 41, 941, 641 43, 017, 130 37, 840, 051  2, 6 -11, 2 13, 8 17, 2 -43, 5  -31, 4 218, 0 10, 8	36, 881, 858 33, 007, 432 33, 600, 600 34, 640, 607 28, 874, 755 43, 601, 104 16, 166, 613 12, 620, 130 11, 921, 392 11, 217, 645  11. 5 -1. 6 -3. 0 20. 0 -33. 0 -15. 5 245. 8 12. 0	73, 021 74, 024 77, 603 72, 371 (1) 06, 566 55, 272 (1) 40, 860 33, 411 -2.5 -3.4 7, 2
JUTE GOODS  1927  1025  1923  1021  1910  1914  1909  1904  1890  Per cant of increase or decrease ():  1025-1027  1025-1027  1025-1028  1010-1029  1900-1010  1890-1000	23 10 24 26 54 10 18 (4)	4, 931 5, 358 6, 312 6, 042 5, 604 7, 138 7, 987 6, 664 6, 083 4, 500 -15, 1 4, 5 6, 7 -20, 7 -30, 0	\$4, 276, 143 4, 087, 228 5, 639, 754 5, 778, 068 4, 639, 347 6, 436, 236 8, 006, 010 2, 325, 641 1, 017, 086 1, 181, 700 -14, 3 -11, 6 -2, 4 24, 5 -27, 9 -33, 6 176, 8	\$11, 967, 578 11, 802, 328 14, 560, 700 12, 348, 903 8, 943, 459 17, 708, 834 12, 570, 840 0, 254, 918 5, 054, 130 3, 015, 802 1, 419, 0 18, 0 38, 149, 5	\$21, 800, 757 23, 186, 907 27, 517, 407 25, 421, 693 17, 500, 140 34, 442, 608 16, 513, 874 10, 706, 520 6, 383, 707 -15. 7 8. 2 46. 2 -40. 2 -80. 6	\$9, 902, 170 11, 383, 669 12, 956, 758 13, 973, 380 8, 562, 981 10, 733, 804 8, 934, 934 4, 540, 312 4, 011, 072 2, 308, 43518, 012, 10, 0 552, 748, 8 -40, 8 203, 6 01, 7	85, 070 30, 210 28, 753 24, 174 (1) 32, 135 28, 533 (1) 18, 810 8, 181 3, 1 25, 0 18, 9
LINEN GOODS 1927 1925 1923 1924 1924 1929 1924 1929 1924 1929 1927 1927 1927 1928 1927 1928 1921 1921 1910 1910 1910 1910 1910 1910	15 10 21 15 15 15 18 (5)	2, 195 2, 530 2, 607 2, 880 2, 510 1, 890 3, 573 3, 811 3, 283 -13, 2 -3, 0 -14, 18 33, 3 16, 1 -47, 1 8, 8	\$2, 185, 339 2, 548, 210 2, 402, 170 2, 807, 006 2, 123, 021 1, 636, 642 1, 286, 117 1, 213, 211 1, 324, 021 1, 030, 830	\$5, 214, 428 5, 400, 441 6, 304, 803 0, 073, 103 4, 463, 806 4, 190, 187 4, 280, 104 3, 100, 572 3, 740, 680 2, 560, 517 -3. 6 -15. 4 5. 3 36. 1 6. 5 24. 4 5. 6	\$0, 736, 808 10, 377, 346 11, 156, 885 11, 390, 254 8, 200, 600 6, 098, 040 6, 098, 040 6, 385, 218 5, 856, 288 4, 308, 150	\$4, 522, 470 4, 007, 905 4, 702, 282 5, 317, 091 3, 746, 730 2, 670, 604 2, 418, 640 2, 118, 710 1, 817, 042  -0.0 4, 42, 0 33, 4 01, 1 16, 1 33, 1	11,006 11,473 12,110 0,803 (*) 6,069 9,032 (*) 6,133 5,855 -4,1 -5,3 23,0

The figures for all years refer to production, not sales. See General Explanations—Value of Products.

2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

3 Not called for on schedule.

4 No data.

5 Per cent not computed where base is less than 100.

Table 2.—GENERAL STATISTICS FOR THE INDUSTRIES, IN COMBINATION AND SEPARATELY, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Certain of the States, however, for which statistics are given in combination with those for others reported larger values of products than some of the States shown separately. See General Explanations—Establishments Covered—Size]

		Num-	Sala- ried	Wage earners	HORSEPO CAPACI EQUIP	TY) OF	(RATED POWER				ATERIALS, F			Value
STATE	Cen- sus year	ber of estab- lish- ments	officers and em- ploy- ees	(aver- age for the year)	Total	Prime mov- ers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and pur- chased energy	Value of products 1	added by manu- facture ²
THE GROUP AS A WHOLE														-
United States CORDAGE AND TWINE	1929 1927 1919	159 157 156	\$ 2,018 \$ 2,022 \$ 2,197	21, 615 22, 972 26, 650	119, 106 122, 607 4104, 760	59, 764 67, 217 77, 954	59, 342 55, 390 426, 806	\$5, 564, 945 5, 559, 321 5, 458, 841	\$19, 295, 043 21, 206, 519 22, 771, 989	\$71, 755, 265 73, 316, 832 111, 604, 303	\$69, 788, 246 71, 156, 087 109, 605, 974	\$1, 967, 019 2, 160, 745 1, 998, 329	\$123, 061, 772 122, 735, 838 174, 807, 220	\$51, 306, 507 49, 419, 006 63, 202, 917
United States	1929 1927 1919	123 116 120	5 1, 409 5 1, 405 5 1, 581	14, 489 15, 084 17, 622	73, 021 74, 924 4 66, 556	28, 069 33, 518 45, 709	44, 952 41, 406 420, 847	3, 995, 968 3, 855, 990 4, 015, 501	12, 833, 561 13, 674, 081 14, 700, 061	54, 573, 259 56, 105, 063 89, 705, 282	53, 105, 382 54, 611, 376 88, 324, 147	1, 467, 877 1, 493, 687 1, 381, 135	91, 455, 117 89, 172, 495 133, 366, 476	36, 881, 858 33, 067, 432 43, 661, 194
Alabama	1929 1927 1919	5 5 4	49 31 19	779 702 475	4, 906 3, 767 2, 580	1,375	4, 906 3, 767 1, 205	108, 706 77, 173 41, 742	556, 078 499, 001 301, 308	2, 022, 914 1, 551, 643 1, 581, 276	1, 938, 998 1, 476, 634 1, 529, 429	83, 916 75, 009 51, 847	3, 606, 286 2, 411, 563 2, 230, 905	1, 583, 372 859, 920 649, 629
California	1929 1927	5 5	54 40	350 268	1, 236 966	400 400	836 566	179, 484 106, 436	347, 899 278, 464	1, 626, 708 1, 371, 565	1, 604, 396 1, 356, 149	22, 312 15, 416	2, 776, 190 2, 241, 795	1, 149, 482 870, 230
Connecticut	1929 1927 1919	14 13 9	67 46 43	368 332 348	1,779 1,848 1,160	1,306 1,213 1,077	473 635 83	159, 700 119, 030 73, 435	316, 138 272, 771 225, 948	1, 003, 950 1, 173, 914 1, 438, 028	978, 160 1, 153, 962 1, 426, 142	25, 790 19, 952 11, 886	1, 992, 665 1, 863, 103 1, 932, 997	988, 715 689, 189 494, 969
Georgia	1929 1927	7 3	46 8	819 110	2, 904 488	90	2, 814 398	152, 841 22, 950	409, 765 67, 638	2, 480, 791 276, 328	2, 387, 123 266, 168	93, 668 10, 160	3, 505, 145 415, 394	1, 024, 354 139, 066
Kentucky	1929 1927 1919	6 6 4	32 37 22	652 766 469	2,630 2,729 1,185	825 850 600	1, 805 1, 879 585	91, 921 97, 413 39, 599	438, 650 508, 261 269, 435	1, 327, 886 1, 330, 732 942, 018	1, 276, 699 1, 272, 363 915, 388	51, 187 58, 369 26, 630	2, 426, 812 2, 407, 171 1, 843, 810	1, 098, 926 1, 076, 439 901, 792
Massachusetts	1929 1927 1919	11 12 13	282 325 248	1, 882 2, 283 2, 743	8, 900 11, 025 10, 957	5, 840 7, 975 9, 561	3, 060 3, 050 1, 396	865, 757 875, 592	1, 964, 016 2, 354, 238 2, 360, 026	8, 928, 608 11, 459, 826	8, 782, 149 11, 298, 333 19, 227, 341	146, 459 161, 493	16, 773, 761 18, 159, 091 28, 086, 044	7, 845, 153 6, 699, 265 8, 655, 094
Michigan	1929	3	15	62	10, 937	9, 001	1, 350	493, 034 68, 191	76, 271	19, 430, 950 184, 480	177, 204	203, 609 7, 276	449, 718	265, 238
New Jersey	1929 1927 1919	7 6 6	114 131 179	955 1, 060 2, 334	7, 960 8, 012 6, 376	5, 450 5, 275 5, 342	2, 510 2, 737 1, 034	401, 687 554, 914 656, 778	1,091,271 1,024,695 1,794,974	4, 159, 297 4, 443, 684 9, 789, 320	4, 050, 136 4, 336, 005 9, 610, 371	109, 161 107, 679 178, 949	7, 688, 966 6, 833, 656 14, 540, 263	3, 529, 669 2, 389, 972 4, 750, 943
New York	1929 1927 1919	17 14 20	342 330 511	2, 528 2, 792 3, 918	12, 106 14, 426 16, 267	2, 925 3, 090 6, 099	9, 181 11, 336 10, 168	843, 024 781, 876 1, 175, 430	2, 578, 207 2, 977, 288 3, 683, 418	8, 714, 218 9, 141, 728 17, 606, 498	8, 449, 118 8, 850, 318 17, 305, 474	265, 100 291, 410 301, 024	16, 208, 651 16, 303, 473 27, 643, 710	7, 494, 433 7, 161, 745 10, 037, 212
North Carolina	1929 1927 1919	11 9 5	63 50 34	1, 725 1, 456 444	8, 472 5, 453 2, 175	2, 625 2, 810 2, 150	5, 847 2, 643 25	130, 651 131, 754 52, 903	1, 058, 365 915, 094 258, 477	5, 316, 164 4, 113, 524 1, 805, 061	5, 093, 823 3, 930, 602 1, 776, 403	222, 341 182, 922 28, 658	7, 925, 174 6, 520, 057 2, 386, 373	2, 609, 010 2, 406, 536 581, 312
Ohio.	1929 1927	5 5	35 71	675 650	3, 516 2, 927	700 700	2, 816 2, 227	77, 016 127, 260	611, 591	2, 464, 318 2, 611, 690	2, 383, 916 2, 536, 019	80, 402 75, 671	4, 165, 771 4, 199, 742	1, 701, 452 1, 588, 053
Pennsylvania	1929 1927 1919	9 13 19	93 100 106	1, 435 1, 777 1, 970	5,076 7,962 5,283	2, 425 4, 330 4, 980	2, 651 3, 632 303	384, 438 373, 662 463, 509	1, 321, 981 1, 696, 689 1, 723, 360	3, 535, 526 4, 482, 779 5, 968, 291	3, 427, 696 4, 344, 990 5, 858, 552	107, 830 137, 789 109, 739	6, 094, 207 7, 387, 789 9, 843, 454	2, 558, 681 2, 905, 010 3, 875, 168
Rhode Island	1	5 4 5	15 14 12	128 123 125	521 363 589	280 130 435	241 233 154	39, 428 36, 505 12, 461	124, 744 112, 831 91, 714	287, 916 264, 575 449, 399	277, 676 251, 944 443, 410	10, 240 12, 631 5, 989	562, 168 523, 865 644, 636	274, 252 259, 290 195, 237
Other States	\$ 1929 7 1927 8 1919	18 21 35	202 222 407	2, 131 2, 765 4, 796	12,848 14,958 20,071	5, 203 6, 655 14, 090	7, 645 8, 303 5, 981	493, 124 551, 425 1, 006, 610	1, 938, 585 2, 366, 093 3, 991, 401	12, 520, 483 13, 883, 075 30, 694, 441	12, 278, 288 13, 537, 889 30, 231, 637	242, 195 345, 186 462, 804	17, 279, 603 19, 905, 796 44, 214, 284	4, 759, 120 6, 022, 721 13, 519, 845
United States	1929 1927 1919	20 23 26	9 394 9 406 9 436	4, 931 5, 358 7, 138	35, 079 36, 210 32, 135	25, 747 27, 271 27, 578	9, 332 8, 939 4, 557	1, 033, 423 1, 085, 845 1, 114, 015	4, 276, 143 4, 987, 228 6, 436, 286	11, 967, 578 11, 802, 328 17, 708, 834	11, 685, 696 11, 392, 171 17, 255, 328	281, 882 410, 157 453, 506	21, 869, 757 23, 185, 997 34, 442, 698	9, 902, 179 11, 383, 669 16, 733, 86
PennsylvaniaGroups of States:	1929 1927 1919	5 4 8	62 36 48	804 563 793	4, 219 2, 134 2, 275	1, 790 1, 900 2, 140	2, 429 234 135	189, 295 159, 491 147, 510	793, 195 598, 748 740, 204	2, 597, 677 1, 614, 677 2, 292, 355	2, 525, 883 1, 587, 148 2, 254, 967	71, 794 27, 529 37, 388	4, 389, 651 2, 875, 072 4, 518, 328	1, 791, 974 1, 260, 398 2, 225, 973
Conn., I est., ; Mass., 1; N. H., 1; N. J., 1; N. Y., 2; Ohio, 1 Ga., 2 est.; N. C., 2; S. C., 2; Va., 2	1929	7	283	2, 982	27, 611	23, 957	3,654	662, 069	2, 944, 474	7, 730, 659	7, 591, 935	138, 724	14, 306, 682	6, 576, 02
S. C., 2; Va., 2 States not shown sepa- rately	1929 101927 111919	19 18	370 388	1, 145 4, 795 6, 345	3, 249 34, 076 29, 860	25, 371 25, 438	3, 249 8, 705 4, 422	182, 059 926, 354 966, 505	538, 474 4, 388, 480 5, 696, 082	1, 639, 242 10, 187, 651 15, 416, 479	1, 567, 878 9, 805, 023 15, 000, 361	71, 364 382, 628 416, 118	3, 173, 424 20, 310, 925 29, 924, 370	1, 534, 185 10, 123, 27- 14, 507, 89
LINEN GOODS United States	1929	16	12 215			l					li		W	
	1927 1919	18 10	12 211 12 180	2, 195 2, 530 1, 890	11, 006 11, 473 6, 069	5,948 6,428 4,667	5, 058 5, 045 1, 402	535, 554 617, 486 329, 325	2, 185, 339 2, 545, 210 1, 635, 642	5, 214, 428 5, 409, 441 4, 190, 187	4, 997, 168 5, 152, 540 4, 026, 499		9, 736, 898 10, 377, 346 6, 998, 046	4, 522, 470 4, 967, 90 2, 807, 85
Massachusetts	1929 1927 1919	5 4	64 70 69	880 1, 151 1, 219	5, 245 5, 417 3, 780	3, 168 3, 108 3, 430	2, 077 2, 309 350	137, 842 217, 818 161, 504	853, 955 1, 099, 509 1, 105, 526	2, 220, 087 2, 564, 795 3, 328, 489	2, 137, 421 2, 454, 644 3, 231, 247	82, 666 110, 151 97, 242	4, 450, 149 4, 921, 677 5, 177, 679	2, 230, 06 2, 356, 88 1, 849, 19

See footnotes at end of table.

Table 2.—GENERAL STATISTICS FOR THE INDUSTRIES, IN COMBINATION AND SEPARATELY, BY STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

1	Cen-ber of of sus estab-			Wage earners	HORSEPO CAPACI EQUIPI	TY) OF	(RATED POWER				ATERIALS, F D ELECTRIC I			Value
STATE	sus year	estab- lish- ments	and em- ploy- ees	(average for the year)	Total	Prime mov- ers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and pur- chased energy	Value of products ¹	added by manu- facture 2
New Jersey	1929 1927	3 3	75 75	683 810	2, 071 2, 492	1, 630 2, 220	441 272	\$221, 727 243, 673	\$761, 253 907, 803	\$1, 952, 544 1, 926, 988	\$1,889,025 1,859,988	\$63, 519 67, 000	\$3, 062, 031 3, 660, 025	\$1, 109, 487 1, 733, 037
New York	1929 1927	3	21 14	154 135	689 630	550 500	139 130	62, 320 30, 512	145, 813 130, 129	294, 278 206, 737	282, 361 195, 930	11, 917 10, 807	591, 160 436, 896	296, 882 230, 159
	181929 141927 181919	6 7 6	55 52 111	478 434 671	3, 001 2, 934 2, 289	600 600 1, 237	2, 401 2, 334 1, 052	113, 665 125, 483 167, 821	424, 318 407, 769 530, 116	747, 519 710, 921 861, 698	688, 361 641, 978 795, 252	59, 158 68, 943 66, 446	1, 633, 558 1, 358, 748 1, 820, 367	886, 039 647, 827 958, 669

¹ The figures for all years refer to production, not sales. See General Explanations—Value of Products.
² Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
² Not including proprietors and firm members as follows: For 1929, 22, 1927, 27, 1919, 42. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 23,655, 1927, 25,021; 1919, 28,889.
² Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919, but not in the United States

officers and employees, and wage earners—as reported for the industry, are as follows: To shaft) are included in the State items for 1919, but not in the United States totals.

Not including proprietors and firm members, as follows: For 1929, 17; 1927, 19; 1919, 29. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 15,915; 1927, 16,508; 1919, 19,232.

Arkansas, 1 establishment; Delaware, 1; Illinois, 2; Indiana, 1; Louisiana, 1; Minnesota, 1; Missouri, 2; Oregon, 1; South Carolina, 2; Tennessee, 2; Texas, 1; Virginia, 1; Washington, 1; Wisconsin, 1.

California, 1 establishment; Georgia, 1; Illinois, 3; Indiana, 1; Iowa, 1; Maine, 1; Maryland, 1; Michigan, 2; Minnesota, 1; Mississippi, 1; Missouri, 2; New Hampshire, 1; Ohio, 7; Oklahoma, 1; Oregon, 1; South Carolina, 2; Tennessee, 2; Texas, 1; Virginia, 1; Washington, 1; Wisconsin, 3.

Not including proprietors and firm members as follows: For 1929, 5,330; 1927, 5,1792, 1919, 7,587.

Georgia, 3 establishments; Illinois, 2; Massachusetts, 1; Missouri, 1; New Hampshire, 1; New Jersey, 3; New York, 2; North Carolina, 2; Virginia, 2; Illinois, 2; Massachusetts, 1; Missouri, 1; New Hampshire, 2; Oregon, 2; Pennsylvania, 1.

Carolina, 2; South Carolina, 2; Virginia, 1; New Hampshire, 1; Oregon, 2; Pennsylvania, 1.

Connecticut, 1 establishment; Minnesota, 1; New Hampshire, 2; Oregon, 2; Pennsylvania, 1.

Michigan, 1 establishment; Minnesota, 1; New Hampshire, 2; Oregon, 2; Pennsylvania, 1.

Michigan, 1 establishment; Minnesota, 2; New Hampshire, 2; Oregon, 2; Pennsylvania, 1.

# Table 3.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, IN DETAIL, FOR THE INDUSTRIES AS A GROUP, FOR THE UNITED STATES: 1929 AND 1927

	·		i		T				·
	19	29	19	27		19	29	199	27
KIND	Quantity	Value	Quantity	Value	KIND	Quantity	Value	Quantity	Value
1. Cordage and twine, jute- goods, and linen-goods industries, all products,	Pounds		Pounds		Cordage and twine, etc.—Con. Twine, total  Binder twine, total 2	Pounds 355, 684, 495 178, 605, 138	\$62, 589, 702 18, 394, 946	Pounds 308, 068, 812 169, 795, 238	\$52, 429, 46 19, 456, 81
2. Cordage and twine, jute goods, and linen goods. 3. Other products (not normally belonging to the				1117, 355, 609	Manila, all or chiefly Sisal Henequen	6, 570, 550 26, 762, 969	609, 070 3, 292, 611 14, 493, 265	1, 430, 277 122, 610, 710 45, 754, 251	213, 80 13, 702, 52 5, 540, 48
industries)		4, 691, 071		1 5, 380, 229	Twine other than binder, total Flax	004 007	44, 194, 756 764, 807	138, 273, 574 670, 308	32, 972, 64 432, 76
ucts in other industries,		17, 618, 730		12, 648, 493	HempJuteCottonHard fiberOther	4, 919, 177 45, 235, 028 8 85, 988, 140 13, 206, 786	1,662,979 6,329,231 8 28,991,411	6, 115, 346 38, 745, 239 3 64, 208, 265	1, 560, 88 5, 607, 51 20, 159, 79 5, 211, 68
Cordage and twine, jute goods, and linen goods, all indus- tries:  Aggregate value (sum					Fish line, total value		1, 841, 867 4, 604, 461 2, 892, 531	28, 534, 416	2, 332, 78
Aggregate value (sum of 2 and 4)	227, 686, 988	135, 989, 431 42, 671, 292	232, 651, 263	1130, 004, 102 44, 642, 019	Silk Linen Cotton		1, 285, 177 479, 662 1, 035, 659		1, 098, 60 368, 79 813, 17
Manila hemp, total	114, 475, 807	22, 170, 547	105, 614, 007	22, 607, 490	Other		92, 033		52, 20
Transmission rope Drilling cables Marine cordage Other commercial	4, 935, 266 12, 536, 580 45, 999, 515	1, 041, 213 2, 851, 866 8, 778, 554	3, 840, 048 10, 987, 945 46, 221, 499	942, 849 2, 531, 937 9, 744, 314	Yarns for sale, total  Jute Other Linen thread	96, 538, 846	15, 467, 208 14, 903, 810 563, 398 4, 510, 278	88, 539, 400 84, 477, 265 4, 062, 135 2, 707, 584	15, 742, 38 14, 632, 33 1, 110, 05 4, 210, 81
and bolt ropes Hardwarerope, all or chiefly manila Unclassified as to	26, 819, 075 6, 211, 615	5, 064, 256 872, 810	21, 228, 320 5, 282, 709	4, 509, 295 908, 642	Woven goods: Linen and part linen Jute—				
kind Henequen Sisal	16, 120, 283 27, 381, 207	3, 561, 848 2, 446, 616 3, 972, 426	18, 053, 486 12, 992, 345 30, 712, 494 12, 255, 999	3, 970, 453 1, 839, 942 4, 438, 957 1, 883, 584	Bagging for baling cotton Webbing (not over	27, 862, 993	3, 129, 003	Square yards 48, 271, 951	5, 199, 83
Jute Cotton Other	28, 095, 763	4, 859, 652 8, 298, 542 923, 509	12, 255, 999 27, 403, 626 43, 672, 792	1, 883, 584 7, 601, 677 6, 270, 369	12 inches in width)Other	Linear yards 43, 736, 731	1, 122, 021 242, 428	Linear yards 45, 863, 260	1, 354, 00

Not including data for binder twine made in penal institutions, as follows: For 1929, 47,322,550 pounds; 1927, 57,808,454 pounds.

Includes data for cotton twine made as a secondary product in cotton mills, as follows: For 1929, 40,642,518 pounds, valued at \$14,650,396; 1927, 28,280,334 pounds,

TABLE 4.—PRINCIPAL MATERIALS CONSUMED IN THE CORDAGE AND TWINE, JUTE GOODS, AND LINENGOODS INDUSTRIES, BY KIND, QUANTITY, AND COST, 1929, AND BY KIND AND QUANTITY, 1927

[The difference between the sum of the costs of the several kinds of materials shown in this table and the total cost of materials as given in Tables 1 and 2 is due to the fact that this table covers only certain specified materials, whereas the others cover all materials]

	19	029	1927		11	329	1927
MATERIAL	Cost	Pounds	Pounds	MATERIAL	Cost	Pounds	Pounds
Raw fibers:  Hard fibers, total	\$27, 827, 010 11, 479, 036 583, 217 11, 225, 857 3, 808, 930 639, 970	330, 186, 838 104, 456, 511 7, 580, 615 156, 231, 194 43, 307, 402 18, 611, 116	340, 692, 208 103, 710, 450 10, 200, 023 150, 854, 830 36, 342, 108 39, 584, 788	Raw fibers—Continued. Soft fibers—Continued. Hemp and hemp tow. Flax Flax tow. Other soft fibers. Cotton, raw. Yarns purchased, total.	\$018, 520 2, 756, 587 698, 640 403, 772 10, 363, 128 5, 579, 540	10, 686, 714 8, 577, 687 4, 218, 416 4, 080, 793 64, 229, 887 15, 275, 112	0, 201, 986 15, 162, 413 2, 987, 014 64, 668, 375 13, 681, 075
Soft fibers, other than cotton, total  Jute Jute butts and rejections	17, 394, 316 11, 354, 560 1, 172, 231	204, 160, 317 146, 890, 945 28, 805, 762	203, 424, 539 130, 825, 270 36, 247, 866	Cotton Linen Jute Other	2, 760, 137 1, 622, 930 612, 258 584, 215	8, 821, 424 2, 306, 092 3, 316, 028 831, 568	9, 250, 272 1, 330, 669 2, 900, 093 200, 041

Table 5.—MACHINERY USED IN THE CORDAGE AND TWINE, JUTE GOODS, AND LINEN GOODS INDUSTRIES: 1929 AND 1927

		1929			1927				1929			1927	
KIND	Total	Active at some time within the year	Idle entire year	Total	Active at some time within the year	Idle entire year	KIND	Total	Active at some time within the year	Idle entire year	Total	Active at some time within the year	entire year
Spinning spindles Doubling and twisting spindles	366, 493 90, 756	324, 027 82, 331	41, 866 8, 425	349, 918 97, 391	301, 640 88, 711	48, 269 8, 680	Rope machines Looms Braiding machines	1, 400 2, 497 14, 534	1, 451 2, 028 13, 302	48 469 1, 232	1, 164 8, 156 14, 078	1, 084 2, 261 13, 263	80 805 815

Table 6.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929; FOR THE INDUSTRIES IN COMBINATION AND SEPARATELY

түре	:	1020	18	27	18	925	18	)19	11	914	PER CENT BUTION O HORSEP CAPAC	FRATED OWER
	Num- ber	Capacity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Oapac- ity	1029	1919
THE GROUP AS A WHOLE												
Prime movers and electric motors driven by purchased	4 804	Horse- power		Horse- power		Horse-	4 050	Horse- power		Horse-	100.0	
energy, aggregate	4, 704 146	50, 764	3, 956 150	122, 607 67, 217	3, 492 184	70, 046	1, 650 242	104, 700	750 270	03, 737	100.0	100. 0
Prime movers, total	87	30, 344	107	47, 057	118	50, 909	162	77, 954   58, 331	102	83, 088 65, 867	$\frac{50,2}{33,1}$	55.7
		25, 574	01	33, 212	100	37, 849	147	47, 480			21, 5	45. 8
Engines Turbines	12	18, 770	13	13, 845	12	13, 500	15	10, 842	(1)	83	11.6	10.
Internal-combustion engines	3 56	205 20, 125	2 50	125 20, 035	5 61	375 18, 762	10 01	778 18, 845	19 68	2, 844 14, 377	0, 2 16, 9	0.7 18.0
Electric motors driven by purchased energy	4, 618	59, 342	3, 797	55, 300	3, 308	48, 380	1, 417	26, 806	480	10, 649	40, 8	25. (
Electric motors, total	5, 830	83, 088	4, 923	70,811	4,408	74,862	2,132	61, 183	1,040	31,008	100,0	100.0
Driven by purchased energy Driven by energy generated in establishments report-	4, 618	50, 342	3, 707	55, 300	3, 308	48, 380	1, 417	26, 806	480	10, 649	71.4	52.
ing	1, 212	23, 740	1, 126	24, 421 Kilo-	1, 100	26, 473 Kito-	715	24, 377	566	23, 449	28.6	47.
Electric generators	70	Kilowatts 28, 251 Kilowatt- hours	77	watts 25, 147	69	watts 24, 619	(3)	(2)	(2)	(2)		
Electric energy purchased 3		75, 580, 021	or the same of the con- are the part of the con- traction of the contract of the con- traction of the contract of the con-	(1)		(1)	THE PERSON NAMED IN	(9)		(3)	10 1 1 0 0 to 10 10 10 10 10 10 10 10 10 10 10 10 10	
CORDAGE AND TWINE	1	Horse-		Horse-		Horse-		Horse-		Horse-	1	
Prime movers and electric motors driven by purchased energy, aggregate.	3, 748	73, 021	3, 110	power 74, 924	2, 770	71010er 77, 503	1, 220	power 60, 556	477	power 55, 272	100.0	100.
Prime movers, total	01	28, 060 23, 073	110 82	33, 518 29, 322	131	38, 042 32, 580	167 121	45, 700	184 120	40, 080	38.4	68.
EnginesTurbines	55	18,003	72	22, 077	80	25, 629	100	36, 553	(1)	(1)	24,7	54.
+	6	5, 670	Ħ	7, 245	U	0,000	12	4, 202			7.7	6.
Internal-combustion engines Water wheels and water turbines	3 31	295 4, 101	20 20	125 4, 071	37	5, 678	10 36	4, 210	19 36	2, 844 3, 107	0.4 5.6	6.3
Electric motors driven by purchased energy	3, 653	44, 052	3,000	41, 408	2, 630	38, 021	1,002	20, 847	203	8, 283	61.6	31.
Electric motors, total	4, 026	50, 672	3, 521	49, 035	3, 271	40, 214	1, 435	31,053	525	18, 413	100.0	100.
Driven by purchased energy Driven by energy generated in establishments re-	3, 653	44, 952	3,000	41, 406	2, 030	38, 021	1,062	20,847	203	8, 283	88.7	67.
porting	373	5, 720	521	7, 620 Kilo	632	10, 203 1010-	373	10, 200	232	10, 130	11,3	32.
Electric generators	37	Kilowatts 8, 679 Kilowatt- hours	40	watts 8, 204	44	10, 679	(8)	(2)	(2)	(2)		44****
Electric energy purchased 3		62, 060, 887		(4)		(1)		(1)		(*)		
JUTE GOODS		Horse-		Horac-		IIorse-		Horse-		Horse-		
Prime movers and electric motors driven by purchased energy, aggregate	480	power 35, 070	800	power 36 210	308	28, 753	191	power 32, 135	113	28, 533	100.0	100. (
Prime movers, total	26	25, 747	23	27, 271	21	23, 196	40	27, 578	56	27, 000	73.4	85.
Steam, total	14	11, 191 3, 591	12	12, 775 6, 075	13 11	12,050 5,050	28	14, 520 8, 420	(1)	16, 950	31.9	20.
Turbines	5	7,600	12	6, 100	2	6, 100	2	0, 100	83	8	21.7	10.
Internal-combustion engines Water wheels and water turbines	12	14, 556		14, 496	8	J1, 146	1 0	12 13, 046	17	10,050	41.5	(8) 40.
Electric motors driven by purchased energy.	454	9, 332	337	8, 939	287	5, 557	151	4, 557	57	1, 533	26.6	14,
Driven by purchased energy	1, 100	9, 332	700	22, 070 8, 930	287	10,805	460 151	17, 633 4, 557	200	12,447	100. 0 37. 4	100. 25.
Driven by purchased energy Driven by energy generated in establishments re- porting.	646	15, 653	453	14, 040	347	14, 248	309	13, 076	239	10, 014	62.6	74.
		Kilowatta		Kilo- watts		Kilo- walls						
Electric generators  Electric energy purchased *	20	16, 926 Kilowatt- hours 9, 691, 701	22	15, 095 (1)	16	12, 615	(2)	(2)	(2)	(3)		
LINEN GOODS												
Prime movers and electric motors driven by purchased energy, aggregate.	530	IIorse- power 11,006	480	Horse- power 11, 473	414	Horse- power 12, 119	230	Horse- power 6,060	160	Horse- power 9, 932	100. 0	100.
Prime movers, total	25	.5, 948	26	0, 428	32	8, 208	35	4, 667	39	9,099	54.0	76,
Steam, total		3,980	13	4, 460	16 15	6, 270 5, 770	11 10	2,000 2,510	(1)	7,879	40.7	48.
Turbines	i	500	î	500	10	500	10	450	(3)	(1)	4. 5	7.
Internal-combustion engines. Water wheels and water turbines	13	1, 408	13	1, 408	16	1,038	8 16	121 1,580	15	1, 220	13, 3	2. 26.
Electric motors driven by purchased energy	511	5, 058	400	5, 045	382	3, 911	204	1,402	130	833	46.0	23,

TABLE 6.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929; FOR THE INDUSTRIES IN COMBINATION AND SEPARATELY—Continued

TYPE		1929	19	127	19	<b>)2</b> 5	11	)19	11	914	PER CENT BUTION O HORSEF CAPAC	FRATED
	Num- ber	Capacity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- bor	Capac- ity	Num- ber	Capac- ity	1929	1919
LINEN GOODS—continued Electric motors, total	704	Horse- power 7,431	612	Horse- power 7,797	503	Horse- power 5, 843	237	Horse- power 2, 497	225	Horse- power 3, 238	100, 0	100.0
Driven by purchased energy Driven by energy generated in establishments reporting.	511 193	5, 058 2, 373 Kilo- watts	460 152	5, 045 2, 752 Kilo- watts	382 121	3, 911 1, 932 Kilo- watts	204 33	1, 402 1, 095	130 95	833 2, 405	68. 1 31. 9	56, 1 43, 9
Electric energy purchased 3	13	2, 046 <i>Kitowatt-</i> hours 3, 836, 433	15	1,848	9	1, 325	(1)	(2) (2)	(2)	(2)	********	

Not called for separately on schedule.
Not called for on schedule.
Not called for on schedule.
This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
Data incomplete.
Less than one tenth of 1 per cent.

TABLE 7.—WAGE EARNERS, BY MONTHS, FOR THE INDUSTRIES IN COMBINATION AND SEPARATELY, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909; AND FOR EACH INDUSTRY, BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State Items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average number			NUMBER 1	MPLOYED	ON 15TH I	DAY OF MC	ONTH OR N	IEAREST R	EPRESENT.	ATIVE DAY		4-114-01-1-1-1-1-1-1	Per cent mini-
STATE	employed during year	January	February	March	April	May	June	July	August	Septom- ber	October	Novem- ber	Decom- ber	inum is of maxi- mum
THE GROUP AS A WHOLE				l						. !				
United States: 1020 1025 1910 1914 1909	21, 615 24, 319 26, 650 27, 323 24, 866	21,775 25,341 26,600 28,191 25,381	21, 858 25, 601 26, 257 28, 342 25, 638	22, 231 25, 816 25, 936 28, 505 25, 742	22, 047 25, 218 25, 622 28, 716 25, 493	21, 898 24, 073 25, 696 28, 490 25, 128	21, 244 23, 203 26, 137 28, 203 24, 732	21, 107 22, 942 26, 739 27, 987 24, 750	20, 486 22, 797 27, 072 24, 927 24, 264	21, 356 22, 721 27, 127 25, 417 24, 747	21, 699 24, 018 27, 285 26, 788 24, 583	21, 028 24, 764 27, 452 26, 055 28, 287	21, 700 25, 351 27, 877 20, 165 24, 560	91, 9 88, 0 91, 9 86, 8 90, 7
CORDAGE AND TWINE				И									a comment of the comm	The same of the same of
United States: 1929 1925 1919 1914	14, 480 15, 400 17, 622 15, 769	14, 773 16, 279 17, 896 16, 287	14, 707 16, 414 17, 639 16, 427	15, 058 16, 584 17, 372 16, 478	14, 037 16, 081 17, 034 16, 629	14,850 15,201 17,079 16,521	14, 210 14, 415 17, 240 16, 516	14, 110 14, 179 17, 494 16, 346	18,284 14,008 17,696 18,446	14, 209 14, 199 17, 777 14, 028	14, 509 15, 245 17, 889 15, 708	14, 651 15, 810 18, 045 15, 288	14, 516 16, 386 18, 303 15, 555	88, 2 84, 5 93, 1 80, 9
Alabama California Connecticut. Georgia Kentucky. Massachusetts Michtgan New Jersey New York North Carolina Ohio Pennsylvania Rhode Island	052 1,882 62 955 2,528 1,725	729 336 351 882 672 1,894 60 074 2,648 1,611 746 1,450	770 321 545 861 678 1,909 01 966 2,671 1,624 709 1,463	715 351 350 845 688 1, 914 66 983 2, 837 1, 715 732 1, 464	735 359 364 818 692 1,880 69 900 2,067 1,773 740 1,430	742 365 367 766 690 1, 873 65 917 2, 748 1, 768 752 1, 410	724 358 368 755 630 1, 8,66 68 8,98 2, 405 1, 756 731 1, 416 118	784 341 370 706 601 1,846 518 910 2,269 1,700 738 1,425	833 346 370 760 602 1, 854 50 926 2, 301 1, 588 576 1, 429	881 362 373 851 645 1, 864 67 903 2, 302 1, 780 663 1, 424 131	\$67 351 373 867 035 1, 904 60 957 2, 611 1, 702 566 1, 445 149	798 358 358 890 645 1, 919 61 1, 031 2, 546 1, 740 634 1, 443	825 860 860 838 642 1, 855 7 1, 004 2, 472 2, 472 1, 788 609 1, 408	81, 2 87, 9 87, 0 70, 3 80, 8 90, 2 82, 6 87, 1 79, 7 88, 6 74, 9 90, 2
JUTE GOODS								7.3	[					
United States: 1929 1925 1919 1914	6, 312	4, 843 6, 482 6, 895 8, 221	4, 043 6, 540 6, 747 8, 234	4, 070 6, 490 6, 708 8, 308	4, 883 6, 464 6, 702 8, 383	4, 839 6, 288 0, 753 8, 306	4, 831 0, 217 7, 099 8, 326	4, 859 6, 200 7, 337 8, 266	4, 925 6, 353 7, 513 8, 060	4, 938 6, 055 7, 495 7, 891	4, 997 6, 138 7, 485 7, 491	5, 064 0, 277 7, 427 7, 237	5, 075 0, 227 7, 405 7, 061	05. 2 02. 6 80. 2 84. 2
Pennsylvania	804	779	801	789	789	800	818	812	808	787	801	834	833	03, 4
LINEN GOODS			:											
United States: 1929	2, 195 2, 607 1, 890 3, 567	2,150 2,580 1,809 3,683	2, 148 2, 647 1, 871 3, 681	2, 205 2, 733 1, 856 3, 719	2, 227 2, 673 1, 886 3, 704	2, 209 2, 584 1, 864 3, 603	2, 203 2, 571 1, 798 3, 451	2, 228 2, 563 1, 908 3, 375	2, 227 2, 486 1, 863 3, 422	2, 209 2, 467 1, 855 3, 498	2, 193 2, 635 1, 911 3, 589	2, 213 2, 677 1, 080 3, 530	£, 115 2, 738 2, 079 3, 540	94. 9 89. 0 86. 5 90. 8
Massachusetts New Jersey New York	880 683 154	905 671 116	873 696 131	904 707 146	916 714 154	908 699 161	909 681 157	901 675 159	898 680 158	892 657 162	877 671 161	834 670 108	7.48 677 173	81. 7 92. 0 67. 1

## COTTON GOODS

Description of the industry.—The cotton-goods industry embraces mills engaged primarily in any of the processes preparatory to spinning, in spinning cotton yarn, or in weaving cotton or cotton-mixed piece goods. (Manufacturers of cotton knit goods are classified in the "Knit goods" industry.)

Duplication in cost of materials and value of products.—The total cost of materials and the total value of products include some duplication, due to the inclusion in both items of data for cotton yarn and cotton waste. The values of these commodities enter directly into the value of products of the establishments in which they are manufactured, and indirectly into the value of products of the establishments using purchased yarn and purchased waste as materials; and the cost of materials from which they are made enters directly into the cost of materials reported by the establishments manufacturing them, and indirectly into the cost of materials of the establishments purchasing them and using them as materials for further manufacture. Cotton yarn to the amount of 647,725,439 pounds and cotton waste amounting to 443,916,268 pounds were produced for sale in the cotton-goods industry in 1929, and 145,824,461 pounds of cotton yarn and 144,855,966 pounds of cotton waste were purchased and used as materials by manufacturers in this industry. The cost of the last two items, \$77,777,586, may be assumed to represent the duplication in the cost of materials; and this amount less transportation charges and middlemen's profits represents the duplication in value of products.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

				a drawn property of the second				
YEAR OR PERIOD	Number of estab- lish- ments	Wage earners (average for the year)	Wages	Paid for con- tract work	Costof materials, fuel, and pur- chased electric energy	Value of products ¹	Value added by manufacture 2	Horsepower
1929. 1027. 1925. 1023. 1021. 1910. 1914. 1000. 1800.	1, 328 1, 288 1, 170 1, 208 1, 077	424, 916 467, 500 445, 184 471, 503 412, 058 430, 966 379, 366 379, 366 371, 182 310, 458 297, 920	\$324, 289, 094 380, 009, 543 363, 882, 870 306, 002, 644 328, 226, 744 365, 474, 937 140, 129, 628 120, 780, 717 94, 377, 609 85, 126, 310	\$8, 418, 208 8, 710, 052 7, 088, 636 11, 621, 544 4, 347, 879 3, 603, 742 1, 483, 770 (a) 450, 817 1, 502, 954	\$808, 028, 977 871, 501, 001 1, 077, 152, 014 1, 147, 372, 215 707, 442, 007 1, 277, 785, 507 431, 602, 540 304, 013, 504 282, 047, 048 157, 067, 082	\$1, 524, 177, 087 1, 507, 400, 012 1, 714, 307, 787 1, 001, 125, 703 1, 278, 220, 831 2, 126, 272, 103 670, 509, 115 616, 217, 702 442, 461, 218 332, 809, 160	\$626, 148, 110 005, 805, 711 637, 215, 173 763, 758, 488 570, 778, 784 847, 485, 506 244, 006, 575 251, 204, 108 110, 403, 570 175, 738, 174	2, 209, 346 2, 328, 830 2, 230, 303 2, 153, 299 (1) 1, 836, 208 1, 608, 823 (5) 009, 889 780, 173
				PER CENT OF	INCREASE OR DECK	ease ()		
1027-1920. 1925-1027 1023-1025 1021-1023 1010-1021	-1. 4 7 3. 5	-0.1 5.0 -5.0 14.4 -4.4	14.0 7.6 10.8 20.8 7.7	3.3 13.3 93.8 167.3 17.7	3. 0 10. 1 0. 1 02. 2 44. 0	-2. 8 -8. 0 -0. 8 48. 7 -30. 0	-10. 0 0, 2 -15. 5 32. 1 -32. 7	-2,6 4,1 8,9
1910-1929 1909-1919 1899-1909	6.6	-1.4 10.1 24.6	-8.8 173.9 52.5	127.0	-20.7 251.0 131.8	-28. 3 245. 5 84. 9	-26, 1 237, 4 42, 0	23.6

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num-	Sal-	Wage		VER (RATE OWER EOU						ATERIALS, F ED RLECTRIC			
STATE	Cen- sus year	ber of estab- lish- ments	offi- cors nnd em-	enrners (aver- ago for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wagos	Paid for contract work	Total	Materials	Fuel and pur- chased energy	Value of products ¹	Value added by manufac- ture *
United States	1929 1927 1910	1, 281 1, 347 1, 288	14, 094 13, 054 14, 218	424, 916 467, 596 430, 966	2, 260, 346 42, 328, 830 51, 836, 298	1, 030, 365 1, 200, 916 1, 320, 989	1, 229, 081 1, 118, 014 6 515, 309	Dollars 41, 020, 722 38, 154, 444 <b>37,</b> 364, 478	Dollars 324, 280, 004 380, 909, 543 355, 474, 937	Dollars 8, 418, 268 8, 710, 052 3, 693, 742	Dollars 808, 028, 977 871, 591, 901 1,277,785,507	Dollars 850, 058, 328 820, 687, 805 1,240,463,758	Dollars 47, 870, 649 50, 901, 096 37, 321, 830	Dollars 1, 524, 177, 087 1, 567, 400, 612 2, 125, 272, 193	Dollars 626, 148, 110 695, 808, 711 847, 480, 596
Individual States: Alabama	1020 1927 1010	83 08 58	722 557 516	27, 724 24, 825 18, 102	133, 228 103, 825 73, 569	22, 926 25, 392 50, 162	78, 433	1, 461, 489	16, 875, 951 15, 927, 634 11, 357, 948	206, 710	49, 850, 441	61, 784, 428 47, 405, 552 49, 901, 930	2, 384, 889	80, 833, 617	87, 084, 918 30, 983, 176 28, 304, 190
Arkansas	1929 1927	5 3	23 13	617 810	2, 795 1, 160		2, 795 1, 160	50, 780 23, 072	355, 560 206, 724		1, 571, 546 576, 443	1, 486, 767 511, 514		2, 241, 581 949, 657	
California	1020	8	66	1, 153	6, 335		6, 835	159, 157	1, 238, 715		3, 985, 564	8, 700, 137	105, 427	6, 406, 413	2, 420, 849

See footnotes at and of table.

¹ The figures for all census years refer to production, not sales. See General Explanations—Value of Products.
1 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
1 Roylsad.
2 Not called for an schedule.
3 No comparable figures available.

TABLE 2.—GENERAL STATISTICS BY STATES: 1929, 1927, AND 1919—Continued

							[See note	at head of	this table]						
	;	Num-	Sal- aried	Wage	HORSEPOV ITY) OF P	VER (BATE OWER EOU					COST OF M	ATERIALS, F ED ELECTRIC	UEL, AND ENERGY		
STATE	Cen- sus year	ber of estab- lish- ments	offi- cers and em- ploy- ces i	earners (aver- age for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Paid for contract work	Total	Materials	Fuel and pur- chased energy	Value of products?	Value added by manufac- ture !
Individual States— Continued.								Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Connecticut	1929 1927 1919	33 35 47	512 484 1,039	12,639	70, 341 65, 620 71, 856	57, 382 55, 870 66, 388	12, 959 9, 750 5, 468	1, 416, 295 1, 396, 557	10, 723, 851 13, 140, 400	308, 200 616, 533 393, 947	28, 626, 722 26, 021, 426 64, 411, 158	22, 636, 597 24, 910, 791	990, 125 1, 110, 635	40, 495, 128 40, 177, 763 101, 551, 071	16, 868, 406 23, 156, 337 37, 130, 913
Georgia	1929 1927 1919	137 139 132	1, 668 1, 144 1, 120	55, 868 56, 607 38, 283	268, 072 223, 025 150, 363	91, 212 95, 021 97, 336	176, 860 128, 004 53, 027	4, 290, 055 8, 205, 712 3, 155, 904	35, 346, 064 36, 908, 790 26, 277, 763	375, 815 51, 863 295, 640	135, 703, 153 106, 882, 283 123, 438, 508	129, 708, 117 101, 240, 225 120, 406, 162	5, 905, 036 5, 042, 058 3, 032, 340	212, 851, 829 180, 509, 344 192, 185, 896	77, 148, 676 73, 627, 061 68, 747, 388
Illinois	1929 1927 1919	12 11 7	00 73 78	1, 237 1, 192 1, 277	4, 579 4, 017 4, 546	2, 758 8, 105 4, 070	1,821 912 476	897, 336 204, 930 283, 947	1, 197, 316 1, 208, 026 1, 086, 712	6. 783	3, 282, 779 3, 332, 342 4, 508, 789	3, 176, 945 3, 215, 547	105, 834	5, 596, 178 5, 867, 687 6, 484, 463	2, 313, 300 2, 535, 345 1, 975, 674
Indiana	1929 1927 1919	3 4		698 697 997	3, 213 2, 515 4, 550	8, 218 2, 515 4, 550		82, 991 70, 244 113, 886	502, 852 536, 797 700, 509		1, 553, 881 1, 183, 905 2, 489, 905	1, 508, 726		2, 351, 528 2, 200, 728 4, 352, 535	797, 647 1, 025, 823 1, 862, 630
Kentucky	1929 1927 1919	6 4	38 22 37	1, 214 1, 100 967	6, 042 5, 286 5, 524	3, 589 4 3, 404 3, 140	2, 453 1, 882	131, 681 74, 997	,	1, 444	2, 850, 537 2, 363, 227 2, 024, 020			4, 082, 728 3, 834, 451 4, 459, 039	1, 232, 191 1, 471, 224 1, 534, 110
Maryland	1929 1927 1910	9 8 14	150 156 207	1,901 2,217 3,416	13, 294 11, 725	4, 125 4, 810 9, 341	0, 169 7, 415	340, 080 376, 244	1, 570, 859 2, 023, 801	3, 934	5, 078, 072 4, 301, 842 11, 427, 557	1	: 11	8, 447, 031 8, 063, 570	3, 368, 959 3, 971, 728 7, 927, 400
Massachusetts_	1929 1927 1919	1	2, 450 2, 458 3, 318	· '	438, 184 530, 261	257, 225 342, 053 425, 274	180, 959	7, 519, 444 7, 895, 017			125, 441, 636 145, 630, 938 359, 675, 239	1	1 11	18, 454, 957 233, 618, 009 284, 706, 007 596, 687, 441	
Michigan	1929 1927	9	21	262	1, 960	4.20, 214	1, 960 1, 459	89, 912 109, 974	206, 501 325, 880		1, 628, 172 866, 600	1, 580, 508	l II	2, 772, 720 1, 448, 020	237, 012, 202 1, 144, 548 581, 414
Mississippi	1929 1927	10 14	61	2,342 2,761	H	6, 69 5	2, 991 3, 540	169, 733 161, 676	1, 329, 312 1, 524, 003		3, 776, 405 3, 682, 231 4, 974, 107	1	218, 672	6, 593, 947 6, 563, 951	2, 817, 542 2, 880, 820 3, 092, 662
New Hamp- shire	1019 1029 1927	18 17	477 496	13,769 14,722	96, 595 96, 642	6, 036 81, 834 94, 225 73, 516		206, 761 1, 435, 936 1, 385, 269	1, 537, 147 12, 418, 241 15, 142, 435	400 82, 717 1, 294, 127	28, 321, 463 26, 772, 287		1 1	8, 066, 769 48, 850, 308 57, 721, 546	3, 092, 662 20, 528, 935 30, 949, 269
New Jersey	1919 1929 1927	28 25 33		21, 183 4, 758 5, 718	90, 895 24, 729 35, 709	73, 516 19, 162 25, 596 17, 860	5, 567	1,200,553 827,311 1,176,482	18, 136, 008 5, 220, 985 6, 286, 049	41,743 76,356 280,200	9, 141, 925 9, 050, 449	8, 727, 373 8, 650, 520	i · II	85, 986, 158 17, 270, 661 19, 692, 931	8, 128, 786 10, 642, 482
New York	1919 1929 1927	32 35	311 339	9, 261 5, 811 7, 572	43, 754 50, 289	17, 860 15, 873 21, 587 38, 536	1	1, 185, 481 877, 571 898, 589	8, 115, 852 6, 135, 012 7, 872, 864	18, 990 719, 096 939, 018	40, 612, 313 12, 186, 877 14, 477, 202	39, 856, 021 11, 423, 249	756, 202 703, 628 913, 129	58, 705, 655 24, 147, 066	18, 093, 342 11, 960, 189 14, 025, 019
North Caro-	1919 1929 1927	351 374	423 2,800	9,222	11	U	1	1,052,655	8, 800, 275	542, 740	28, 103, 221 193, 222, 115 184, 509, 300	27, 215, 006	888, 215	40, 076, 203 317, 005, 212 310, 299, 158	20, 973, 072
Pennsylvania	1927 1919 1920	311	2, 477 2, 160 656	95,786 67,297 7,773	21, 013	97, 328 1 20, 738 1 20, 516 9, 544		0,044,883	49, 134, 506	558,653	184, 509, 360 186, 779, 715 23, 431, 402	181, 021, 415	5, 758, 300	318, 368, 181	131, 588, 466
	1927 1919	107 118	1,027 741	12, 160 0, 767	26, 292 21, 504	10, 437 16, 656	15, 855 4, 848	2,412,910	10, 200, 630	552, 787	39, 551, 482 38, 819, 743	38, 473, 772 38, 076, 870	742, 878	75, 001, 362 06, 404, 059	22, 633, 185 35, 449, 880 27, 584, 316
Rhode Island South Caro	1929 1927 1919	55 66 74	1,034 1,150	21, 833 20, 203 31, 405	134, 194 129, 409 111, 986	66, 904 75, 532 87, 260	53, 877	3,072,317	21, 778, 173 27, 586, 550 28, 974, 008	1, 349, 651 447, 815 63, 182	44, 406, 063 45, 060, 205 88, 283, 650	42, 728, 307	2, 413, 859 2, 940, 898 2, 584, 149	86, 203, 795 90, 053, 620 155, 488, 347	41, 797, 732 44, 384, 415 67, 204, 697
lina	1929 1927 1919	163	1, 636 1, 400 1, 353	75,069	338, 329	149, 511 159, 305 166, 680	179, 024	4, 165, 763	40, 758, 560 49, 383, 478 36, 401, 912	59, 911	140, 734, 875 135, 085, 027 137, 083, 585	1126, 385, 837	l 8. 699. 1900	241, 435, 659 231, 272, 509 228, 440, 242	06, 187, 572
Tennessee	1929 1927 1919	20 21 16	201	7, 544 7, 211 4, 895	33, 393	8, 782 8, 254 10, 990	25, 139	577, 580 436, 173 446, 110	5, 158, 625 4, 777, 869 3, 171, 482	8, 500 163, 325	16, 819, 586 13, 589, 259 14, 295, 355	16, 010, 237 12, 846, 280 13, 928, 887	809, 349 742, 970 366, 468	20, 173, 993 21, 956, 617 22, 400, 737	9, 354, 407 8, 367, 358 8, 165, 382
Texas	1929 1927 1919	27 26 15	128	4, 649 5, 564 2, 633	19, 929	4, 268 6, 025 5, 585	13,904	531, 149 383, 843 238, 717	3, 280, 506 4, 097, 506 1, 840, 264	78, 877 2, 794	11, 476, 824 11, 675, 491 9, 314, 893	10, 997, 432	623, 280 678, 050 327, 081	18, 862, 217 21, 125, 992 13, 919, 603	7, 385, 393 9, 450, 501 4, 604, 710
Virginia	1929 1927 1919	9 11 10	126	8, 426	58, 787 57, 638 38, 903	55, 982 54, 818 38, 540	2, 805 2, 820 423	409, 755 629, 842 545, 827	5, 741, 225	39, 723 31, 611	13, 465, 604 14, 177, 760 17, 543, 973	12, 915, 830 13, 522, 619	549, 774 655, 141	25, 038, 049 27, 295, 233	11, 572, 445 13, 117, 473
Groups of States: Me., 15 est.; Vt., 3	1929	18						898, 390		522, 572					14, 000, 961 13, 168, 422
La., 2 est.; Mo., 2; Okla., 2	1929	. 6	109	2, 493	13, 035	2, 400	10, 635	330, 858	1, 472, 987	******	6, 008, 362	5, 760, 541	247, 821	10, 059, 573	4, 051, 211
Other States (Del., 1 est.; Ohio, 6, Wis., 7)	1929	14	83	584	3, 118	1, 625	1, 493	340, 617	556, 917	<b>55, 49</b> 3	2, 546, 408	9 470 210	00.040	A DOP DOW	0 400 +0+
States not shown separately	6 1927 7 1919	45 39	493 517	15, 627	123, 138	95, 031			14, 776, 276 15, 347, 094		2, 340, 408 32, 252, 695 44, 701, 666	. ,		4, 985, 999 59, 710, 438	2, 439, 531 27, 463, 743
1 Not including					92, 448					386, 370	44, 781, 666	43, 581, 698	1,179,008	82, 002, 470	37, 240, 804

¹ Not including proprietors and firm members, as follows: For 1929, 91; 1927, 107; 1919, 239. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage carners—as reported for the industry, are as follows: For 1929, 439,101; 1927, 480,817; 1919, 445,423.

The figures for all census years refer to production, not sales. See General Explanations—Value of Products.

Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

1 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919 but not in the United States totals.

totals.

California, 4 establishments; Delaware, 1; Louisiana, 3; Maine, 17; Missouri, 2; Ohio, 7; Oklahoma, 2; Vermont, 4; Wisconsin, 5.

Arkansas, 1 establishment; California, 1; Louisiana, 3; Maine, 14; Michigan, 3; Missouri, 1; Ohio, 5; Utah, 1; Vermont, 4; Wisconsin, 6.

TABLE 8.—COTTON GOODS—PRINCIPAL PRODUCTS, BY CLASS, QUANTITY, AND VALUE, FOR THE UNITED STATES, THE COTTON-GROWING STATES, AND THE NEW ENGLAND STATES: 1929, 1927, AND 1925

[The figures for all consus years refer to production, not sales. See General Explanations—Value of Products]

CLASS AND SECTION	1929	1927	1925	CLASS AND SECTION	1020	1927	1925
	1020	1041	1020		1020	1927	1920
Aggregato value: United States '	\$1, 514, 297, 826 970, 340, 134	2\$1, 546, 785, 191 807, 813, 500	2\$1, 694, 953, 493 2 929, 107, 255	Woven goods—Continued. Tire fabrics—Continued, New England States—			
Now England States	450, 659, 979	* 510, 996, 103	8 607, 025, 188	Pounds Square yards Value Cord fabries for tires (	82, 553, 262 102, 425, 247 \$37, 876, 380	70, 034, 740 87, 572, 222 \$30, 959, 916	73, 764, 042 90, 936, 559 \$43, 425, 210
United States— Total pounds— Total square yards— Total value—	2, 363, 404, 820 8, 541, 545, 733	2, 433, 700, 519 8, 980, 414, 774	2, 070, 985, 006 7, 741, 568, 028	United States—	]	160, 612, 114	
Total value			\$1, 245, 130, 031	Pounds Square yards Valuo Cotton-growing States—	220, 360, 699 7 261, 626, 851 \$99, 377, 409	170, 740, 778 \$66, 074, 070	140, 492, 454 176, 964, 460 \$80, 478, 625
Total pounds Total square yards Total value	1, 762, 398, 489 6, 150, 259, 949 \$720, 954, 591	1, 705, 309, 091 6, 037, 010, 040 \$066, 331, 228	1, 346, 022, 487 4, 842, 005, 472 \$653, 000, 522	Pounds Square yards Value	137, 485, 104 158, 900, 070 \$01, 447, 571	88, 758, 924 92, 067, 547 \$35, 483, 345	56, 750, 641 73, 680, 626 \$30, 502, 960
New England States-				Tire duck 4— United States—	17, 374, 824	30, 164, 943	32, 081, 733
Total pounds Total square yards Total value	2, 150, 604, 401 \$354, 504, 672	008, 228, 088 2, 002, 704, 032 \$413, 218, 570	589, 081, 919 2, 007, 308, 068 \$459, 897, 228	Pounds Square yards Value Tire abries other than cord	22, 276, 844 \$6, 845, 008	35, 474, 346 \$11, 343, 197	40, 701, 508 \$16, 628, 610
Sheotings— United States— Total pounds	300, 021, 203	435, 706, 842	309, 375, 945	and duck &— United States—	12, 768, 053	6, 576, 001	16, 771, 008
Total square yards Total value	1, 093, 107, 102 \$146, 181, 212	1, 857, 476, 174	1, 038, 108, 738	Pounds Square yards Value	10, 560, 804 \$5, 407, 705	10, 716, 518 \$2, 650, 032	24, 400, 485 \$8, 518, 659
Cotton-growing states— Total pounds Total square yards	336, 680, 578	348, 641, 419 1, 557, 195, 980	284, 700, 475	Denims— United States— Total pounds	141, 853, 387	144, 605, 484	100 050 000
Total value	1, 465, 802, 480 \$118, 225, 214	\$121, 890, 664	1, 318, 071, 398 \$128, 580, 070	Total square yards Total value	249, 891, 122 \$49, 256, 461	254, 117, 955 \$49, 701, 845	103, 958, 000 180, 401, 666 \$46, 002, 006
Pounds Square yards	48, 467, 016 176, 482, 256 \$23, 010, 642	69, 540, 295 236, 976, 990 \$36, 260, 780	70, 202, 227 270, 106, 280 \$42, 607, 037	Cotton-growing States— Pounds	120, 561, 967	126, 467, 966 222, 617, 676	\$89, 183, 809 \$150, 357, 379
Value Widths 40 inches and nar- rower	φ20, 010, 012	φου, 200, rec	\$42, GHT, UST	Squaro yards Value Now England States	\$27, 914, 292 \$44, 590, 566	\$43, 462, 326	\$ 156, 357, 273 \$ \$39, 345, 601
United States— Pounds————————————————————————————————————	271, 347, 297 1, 175, 307, 528 \$02, 264, 300	278, 381, 417 1, 209, 422, 107 \$03, 948, 540	(b) (b) (b)	Pounds Square yards Value	12, 201, 420 21, 076, 830 \$4, 605, 805	18, 134, 204 31, 490, 617 \$6, 327, 928	14, 090, 675 22, 950, 331 \$6, 269, 906
Valuo Cotton-growing States— Pounds Square yards	1		1	Value Standard deniuwhite-hack and deuble-and-twist United States			
Widths over 40 inches !	1, 000, 668, 084 \$83, 696, 687	201, 084, 051 1, 142, 508, 051 \$85, 942, 500	(2)	Pounds Square yards Value	122, 519, 105 200, 605, 700 \$41, 727, 408	132, 014, 840 226, 295, 040 \$13, 942, 500	(b) (b) (b)
United States— Pounds Square yards	124, 673, 996 517, 859, 634	1149 OSA 100	(8) (6) (4)	and other &— United States—			
Value Cotton-growing States— Pounds	.1 85, 601, 413	\$73, 939, 456 86, 656, 768	) (9)	Pounds Square yards Value	19, 334, 222 40, 285, 422 \$7, 520, 053	12, 560, 638 27, 822, 916 \$5, 819, 285	(8) (8) (8)
Square yards Value	\$75, 133, 496 \$34, 528, 527	114, 597, 928 1 \$35, 948, 986	(b) (c) (d)	Napped fabries— United States—	,		
Print cloth— United States— Total pounds	301, 470, 145	270, 577, 118	105, 504, 472	Pounds	108, 879, 302 323, 140, 452 \$48, 329, 409	125, 944, 806 400, 097, 211 \$55, 386, 386	101, 058, 550 340, 415, 810 \$53, 606, 741
Total square yards Total value	.[1, 703, 025, 248]	1, 583, 861, 282 \$100, 826, 442	1, 166, 374, 053 \$98, 452, 763	Value Cotton-growing States— Pounds Square yards	80 604 848	83, 540, 474 268, 232, 790 \$32, 668, 441	50, 026, 111 184, 413, 628
Cotton-growing States— Total pounds————————————————————————————————————	-1, 520, 452, 560	224, 312, 537 1, 300, 293, 077	155, 732, 801 900, 454, 838	New England States-	\$33, 612, 814	49 090 814	\$27, 666, 448
Total value New England States— Pounds	1 20 040 000	\$89, 166, 271 45, 802, 878	\$76,728,562 30,327,476	Pounds Square yards Value	\$60, 047, 655 \$14, 580, 040	131, 190, 363 \$22, 371, 027	45, 032, 439 158, 002, 191 \$25, 940, 293
Square yards Value Widths 36 inches and wider t-	-  6 181, 683, 697 -  6 \$14, 456, 454	281, 097, 050 \$20, 454, 076	257, 006, 045 \$21, 448, 062	Shirtings— United States—	78, 480, 836	90, 981, 801	103 643 271
United States— Pounds	251, 308, 708	220, 826, 816 1, 322, 875, 122	(4) (b)	PoundsSquare yards	317, 045, 592	378, 530, 168 \$55, 437, 170	103, 643, 271 455, 806, 750 \$75, 756, 880
Square yards Value Cotton-growing States	\$102, 145, 705	\$92, 570, 977	(4)	Pounds	62,406,362	71, 531, 796 282, 005, 502 \$35, 019, 983	70, 601, 800 205, 302, 733 \$40, 288, 493
Pounds Square yards Value	_[1, 244, 732, 200 _[ \$89, 663, 200	190, 558, 353 1, 080, 547, 703 \$75, 743, 902	(a) (b)	Value New England States— Pounds		18, 740, 176	
Widths narrower than 36 inches — United States—				Pounds Square yards Value		93, 464, 317 \$19, 409, 525	32, 373, 021 156, 851, 723 \$34, 332, 062
Pounds Square yards Value	300,071,308	40, 750, 300 260, 986, 160 \$17, 255, 465	(8)	Plushes, velvets, and velveteens— United States— Pounds————————————————————————————————————		35, 641, 022	80, 600, 434
Cotton-growing States— Pounds Square yards	45, 920, 710 275, 720, 369	33, 754, 184	(1)	Value	\$41,760,622	35, 641, 022 42, 680, 220 \$45, 710, 213	30, 600, 434 33, 478, 404 \$40, 078, 052
Value Tire fabrics—	\$17, 234, 486	210, 745, 374 \$13, 422, 300	(8)	Pounds Square vards	21, 911, 987	3, 080, 310 4, 618, 427 \$2, 033, 678	(10) (10) (10)
United States— Total pounds Total square yards Total value	250, 503, 576 302, 864, 499	197, 353, 058 225, 931, 042	180, 345, 195 242, 126, 450	Value New England States— Pounds— Square yards	. 10. 161. 027	11, 852, 900 14, 195, 099 \$10, 929, 316	4, 710, 163 7, 593, 826 \$0, 395, 666
Cotton-growing States-		\$80, 974, 199	\$105, 625, 894	Valuo	14, 027, 860 \$0, 608, 874	\$10, 929, 316	\$6,395,666
Pounds Square yards Value	104, 307, 468 106, 201, 831 \$72, 248, 291	121, 146, 926	86, 233, 101 112, 975, 565 \$44, 722, 472				<b>L</b> .

See footnotes at end of table.

TABLE 3.—COTTON GOODS—PRINCIPAL PRODUCTS, BY CLASS, QUANTITY, AND VALUE, FOR THE UNITED STATES, THE COTTON-GROWING STATES, AND THE NEW ENGLAND STATES: 1929, 1927, AND 1925—Con.

[See note at head of this table]

CLASS AND SECTION	1929	1927	1925	CLASS AND SECTION	1929	1927	1925
Woven goods—Continued. Reps, poplins, and broadcloths—		45 (17.7)		Woven goods—Continued. Lawns, nainsooks, cambrics, and		4.	
United States— Total pounds	70, 678, 442	60, 821, 531 264, 724, 549	(4)	similar muslins— United States—		AW 000 000	
Total square yards Total value	308, 620, 221 \$40, 554, 626	264, 724, 549 \$37, 655, 931	(6) (5) (5)	Pounds Square yards	31, 144, 397 226, 553, 738	37, 000, 333 272, 453, 011 \$32, 100, 888	47, 566, 144 326, 087, 427 \$43, 323, 433
Cotton-growing States— Total pounds	34 031 877	1 24 972 134	(6)	Value Cotton-growing States— Pounds	\$25, 418, 595 6, 702, 847	1.	
Total square yards Total value	34, 031, 877 148, 200, 102 \$16, 529, 035	\$ 24, 972. 134 \$ 107, 416, 713 \$ \$12, 903, 663	(\$) (\$) (\$)	Square yards Value	39, 341, 757 \$4, 089, 601	6 5, 462, 553 6 35, 325, 951 6 \$3, 430, 322	9 18, 270, 726 9 105, 498, 813 9 \$10, 724, 273
New England States—				New England States— Pounds	9 22, 961, 295	31, 237, 700 235, 188, 052	28, 500, 126 215, 966, 959
Total pounds Total square yards Total value	9 35, 819, 426 9 156, 304, 771 9 \$23, 584, 497	34, 785 262 153, 071, 310 \$24, 250, 303	(5) (8) (5)	Square yards Value	9 178, 776, 565 9 \$20, 243, 883	\$28, 454, 314	\$31, 906, 552
Average single yarn-count,	• \$20, 004, 407	ф21, 200. 000		Fabrics (except draperies) entirely or in chief value of rayon ¹² —			
40s and under— United States—	0.10 .110	AF 040 F0F	40	United States— Pounds Square yards	14, 843, 679	(0)	(\$) (\$) (\$)
Pounds Square yards Value	40, 342, 412 173, 383, 325 \$19, 603, 528	35, 040, 505 148, 112, 600 \$16, 845, 722	(9) (8)	Value Ootton-growing States—	85, 664, 430 \$24, 160, 789	(6) (5) (5)	
Cotton-growing States— Pounds————————————————————————————————————			1	Pounds	63,397,303 618,165,403	(5) (5) (4)	(5) (5) (5)
Value	26, 932, 423 116, 322, 921 \$11, 346, 572	6 22 505, 209 6 96, 338, 272 6 \$10, 308 540	(*) (5) (6)	Value New England States—	* \$6, 262, 294		
New England States— Pounds	12 406 415 52, 952, 938	7 11, 420, 161	(5) (6) (5)	PoundsSquare yardsValue	10, 667, 230 63, 004, 523 \$16, 278, 071	(5) (5) (5)	(5) (5) (5)
Square yards Value Average single yarn-count,	\$7, 835, 149	7 47, 537, 892 7 \$6, 035, 217	(8)	Ginghams 11—	410,210,012		( )
41s and over— United States—			40	United States— Pounds————————————————————————————————————	30, 317, 158	60, 267, 681	71, 770, 468 350, 475, 999
PoundsSquare yards	30, 336, 030 135, 236, 896 \$20, 951, 098	25, 772, 026 116, 611, 859 \$20, 810, 209	(8) (5) (8)	Square yards Value Cotton-growing States—	\$17, 717, 408	200, 618, 626 \$37, 128, 856	\$57, 501, 270
Value Cotton-growing States— Pounds	7, 099, 454		i	Pounds	26, 302, 382 126, 926, 241	41, 573, 988 206, 859, 507	\$ 36, 927, 20- \$ 184, 370, 77
Square yards Value New England States—	31, 886, 181	2, 406, 925 11, 078, 441 \$2, 505, 123	(b) (5) (5)	Value	\$15, 032, 455	\$23, 330, 306	¢ \$23, 863, 50
New England States— Pounds. Square yards. Value.	22, 855, 932	23, 365, 101	(5) (5) (5)	Osnaburgs 11— United States—	59, 144, 030	72, 247, 512	53, 891, 00
Value	\$15, 507, 180	105, 533, 418 \$18, 215, 086	(8)	PoundsSquare yardsValue	139, 526, 817 \$17, 301, 669	164, 975, 704 \$17, 809, 540	53, 891, 002 118, 068, 963 \$18, 448, 738
Drills 11— United States—	110 540 150	X 00 40# 40#	400 184 650	Pounds	1 9 58, 876, 682	71, 679, 755	
Pounds Square yards Value	324, 041, 245	128, 687, 635 347, 775, 666 \$40, 668, 249	103, 457, 753 286, 114, 586 \$42, 388, 768	Square yardsValuo	6 139, 023, 197 6 \$17, 181, 459	163, 167, 374 \$17, 067, 844	53, 210, 958 110, 675, 046 \$18, 177, 216
Cotton-growing States— Pounds————————————————————————————————————	114, 737, 006	6 122, 201, 734 6 329, 251, 727	I'	Bedspreads and quilts— United States—	Ì		
Square yards Value	312, <i>6</i> 10, 486 \$38, 101, 123	6 \$39, 251, 727 6 \$38, 270, 422	* 265, 523, 507 * \$39, 555, 764	Total pounds Total square yards Total value	17, 758, 003 52, 901, 717 \$16, 395, 884	24, 020, 704 71, 282, 515 \$18, 940, 785	21, 307, 170 52, 636, 52 \$10, 703, 22
Twills and sateens— United States—		P i		Cotton-growing States—	910, 500, 663	φιο, στο, του	φτο, του, αν
Pounds Square yards	. 284, 117, 406	111, 972, 833 413, 996, 565	151, 500, 381 532, 830, 805	Total square yards	10, 021, 838 31, 013, 695	15, 214, 145 46, 627, 350	0, 367, 88 26, 130, 17
Value Cotton-growing States— Pounds	P 44 284 050	\$50, 336, 045 56, 481, 340	\$84, 133, 051 70, 441, 726	Total value New England States—	9 \$9, 215, 039	\$10, 308, 940	\$6, 588, 75
Square yardsValue	9 125, 078, 276 9 \$17, 113, 831	170, 574, 064 \$20, 556, 885	227, 710, 989 \$35, 635, 823	Total pounds Total square yards	19, 789, 764	8, 044, 698 22, 288, 186	11, 163, 85 24, 982, 78 \$8, 569, 79
Pounds	27, 283, 705	46, 832, 613	64, 489, 089	Total value  Double-woven fabric (Mar-	\$6, 486, 000	\$7, 619, 190	\$8. 560, 70
Square yards Value	120, 411, 831 \$15, 568, 694	6 203, 688, 928 6 \$25, 573, 700	274, 708, 851 \$44, 307, 626	seilles, satin, etc.)— United States—			
Towels, towelings, and wash cloths—				Pounds	4, 150, 625 10, 682, 547	5, 046, 226 14, 591, 692	(5) (5) (5)
United States— Pounds————————————————————————————————————	70, 973, 774 169, 694, 153	83, 848, 302 160, 997, 031	61, 063, 456 126, 565, 750	Value	\$3,541,430	\$4, 615, 599 2, 189, 406	l
Cotton-growing States—	_ \$33, 037, 277	\$42, 611, 371	\$38, 149, 506	Founds Square yards Value New England States—	\$9, 106, 952 \$2, 676, 610	6, 442, 578 \$1, 462, 809	(5) (5)
Pounds Square yards	00, 894, 758 144, 936, 627	68, 988, 386 141, 454, 594	46, 960, 997 96, 323 500	Pounds	-  640, 139	3, 614, 084	(5)
Value New England States— Pounds	\$26, 895, 812 3, 642, 307	\$32, 763, 647	1	Square yardsValue Single-woven fabric (crochet,	1, 219, 511 \$542, 783	7, 820, 430 \$2, 991, 538	(8) (8) (9)
Square yards Value	. 10, 680, 861	3, 996, 090 8, 351, 990 \$1, 580, 916	8, 442, 932 \$2, 165, 349	United States—			
Fabrics (other than shirtings and draperies), in chief value of cot-	1			Pounds Square yards Value	13, 607, 468 42, 219, 170 \$12, 854, 454	18, 080, 538 56, 690, 823 \$14, 334, 136	(5) (5) (5)
ton, containing rayon 12-				Pounds	6 6, 824, 127	13, 024, 679	
Pounds Square yards	21, 963, 487 111, 979, 184	(5) (5)	(5) (8) (5)	Value	\$21, 906, 743 \$6, 538, 429	40, 184, 781 \$8, 846, 131	(8) (8) (8)
Value Cotton-growing States— Pounds	1	1	1	New England States— Pounds————————————————————————————————————	6, 245, 331	4, 430, 614 14, 461, 750	(8) (8) (6)
Pounds Square yards Value New England States	26, 891, 241 \$6, 245, 296	(5) (6) (6)	(5) (5) (5)	Tickings— Value		\$4, 627, 652	(4)
New England States— Pounds Square yards	13, 837, 504	1	(5)	United States— Pounds Square yards	19, 931, 428	24, 567, 950	20, 842, 17
Value	80, 645, 059 \$20, 020, 196	(5)	(5)	Value	42, 410, 547 \$9, 280, 484	50, 283, 350 \$10, 358, 553	48, 362, 18 \$10, 304, 97

TABLE 3.—COTTON GOODS—PRINCIPAL PRODUCTS, BY CLASS, QUANTITY, AND VALUE, FOR THE UNITED STATES, THE COTTON-GROWING STATES, AND THE NEW ENGLAND STATES: 1929, 1927, AND 1925—Con.

[See note at head of this table]

CLASS AND SECTION	1929	1927	1925	CLASS AND SECTION	1929	1927	1925
Woven goods—Continued. Tickings—Continued.				Cotton yarns produced for sale—Con. Carded—Continued.			
Cotton-growing States— Pounds	14, 470, 733	17, 220, 575	13, 875, 947	Other carded yarns produced for sale, including those for			
Square yards Value	34, 430, 264 \$6, 496, 017	44, 768, 437 \$6, 811, 818	33, 669, 969 \$6, 539, 758	weaving and machine knit- ting—	į	. [	
New England States— Pounds	3, 727, 840	5, 071, 150	,	United States— Pounds	491, 603, 220	499, 498, 342	(5)
Square yardsValue	4, 853, 369 \$1, 874, 695	10, 407, 714 \$2, 330, 954	4, 825, 416 10, 825, 708 \$2, 451, 811	Value	\$162, 050, 172	\$160, 272, 282	(5) (6)
Cotton table damask 11-	Ψ1 0/2 000	φ2, 000, 001	φο, τοι, τικ	PoundsValue	416, 497, 103 \$132, 163, 783	423, 877, 666 \$133, 113, 403	(b) (b)
United States— Pounds——————	12, 378, 545	11,005,582	14, 604, 134	Now England States— Pounds	62, 463, 580	56, 976, 394	(b) (b)
Pounds Square yards Value Cotton-growing States—	12, 378, 545 35, 868, 245 \$8, 382, 821	83, 523, 412 \$6, 751, 405	53, 468, 207 \$12, 450, 300	Combed—	\$25, 332, 370	\$21, 644, 833	(4)
L'OUHQS	* 41,000,070	10, 130, 743	9, 993, 238 28, 603, 990	Yarns for sewing thread and for crochet, darning, hand-	: '		
Square yards Valuo	9 33, 551, 848 9 \$7, 979, 625	80, 828, 457 \$6, 096, 625	28, 603, 900   \$7, 087, 760	cottons-			
Cottonades and cotton wor-			: <u> </u>	United States— Pounds	11, 372, 659	10, 618, 750	8
stods 11— United States—	40.044.000			Value Cotton-growing States—	\$8, 300, 078	\$8, 111, 222	• •
Pounds Square yards	18, 911, 098 34, 837, 645	16, 542, 863 32, 606, 616 \$8, 140, 885	12,825,801 29,131,065	Pounds	3, 035, 543 \$2, 302, 164	8	(s)
Value Cotton-growing States—	\$8,357,448		\$7,903,377	Pottnds	7,737,116	(8)	(s)
Pounds Square yards Value	13, 385, 421 25, 873, 411	11, 640, 495 23, 773, 085 \$1, 968, 271	8, 718, 348 20, 037, 866 \$4, 424, 525	ValueOther combed yarns pro- duced for sale, including	\$6,003,014	( )	(4)
Other woven goods (over 12 inches	\$5, 212, 018	4xtanotetr	φα, ασε, υσυ	those for weaving and ma-			
in width)— United States—		1		United States— Pounds	138, 030, 816	150, 107, 014	(4)
Pounds Square yards Value	475, 021, 207	501, 910, 404 2, 116, 383, 380	418, 511, 477	Value Cotton-growing States—	\$80, 157, 636	\$83,725,899	(*)
Value Value States	\$207, 670, 408	\$310, 135, 966	1, 755, 374, 579 \$313, 171, 833	PoindsValuo	110,000,435 \$04,506,823	122, 440, 341 \$64, 816, 707	(b) (b)
Pounds	11. 024. 852. 734	288, 950, 575 980, 162, 394	230, 709, 554 762, 505, 413	New England States— Pounds	1	27, 226, 112	(3)
Value Now England States 13	\$127, 401, 550	\$120, 407, 200	\$110, 277, 512	Value	\$15,017,305	\$18, 042, 006	(3)
Pounds	149, 190, 378	202, 117, 360 1, 153, 781, 785	196, 906, 484 1, 110, 843, 266	Cotton waste produced for sale: United States—			
Valuo	\$131, 350, 048	1, 153, 781, 785 \$170, 687, 634	\$189,087,201	PoundsValue	. 443, 916, 268 \$32, 570, 034	484, 416, 320 \$20, 808, 651	417, 094, 448 \$40, 622, 879
Cotton yarns produced for sale: United States—				Cotton-growing States— Pounds	200, 273, 750	307, 940, 580	228, 117, 859
Total pounds Total value	647, 725, 430 \$253, 349, 111	\$253, 663, 750	626, 356, 804 \$313, 060, 245	Value	. \$20, 008, 868	\$15, 506, 444	\$10,021,440
Carded—				PoundsValue	134,714,084	161, 907, 079 \$10, 574, 381	172, 547, 874 \$19, 187, 296
Yarns for sowing thread and for crochet, darning, hand-				Other cotton products:14	400 501 502	400 FEO 100	#00 4B4 400
knitting, and embroidery cottons				United States, value	\$80, 531, 006 \$28, 552, 013 \$36, 238, 050	\$82, 552, 180 \$14, 400, 245	\$96, 131, 838 \$22, 928, 961 \$60, 712, 235
United States— Pounds	6,700,744	4,040,550	(5) (8)	New England States, value	, pag, 208, 000	\$40, 803, 406	φυυ, 112, 200
Value	\$2,745,225	\$1,654,347	(*)				

¹ United States totals cover cotton-growing States, the New England States, and Delaware, Illinois, Indiana, Maryland, Michigan, New Jersey, New York, Ohio, Pennsylvania, and Wisconsin. Cotton-growing States comprise Alabama, Arkansas, California, Georgia, Kontucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahema, Sciult Carolina, Tennessee, Toxus, and Virginia.

Revised.

Not strictly comparable with figures for 1929 and 1927 because of the hudusion of data for small amounts of products not belonging to the industry, Etatistics for New England withheld from publication to avoid disclosing output of individual establishments.

Excludes data for 1 establishment to avoid disclosing its output; included in corresponding figure for "Other wovon goods,"

Because of the failure of some manufacturers to report cord fabric in square yards, it was necessary to estimate (on the basis of the averages shown by the complete returns) nearly 40 per cent of this item.

Excludes data for 2 establishments to avoid disclosing their output; included in corresponding figure for "Other wovon goods,"

Excludes data for 2 establishments to avoid disclosing butput of individual establishments,

Excludes data for 2 establishments to avoid disclosing output of individual establishments,

Excludes data for 2 establishments to avoid disclosing output of individual establishments, included in corresponding figure for "Other wovon goods,"

Withhold from publication to avoid disclosing output of individual establishments; included in corresponding figure for "Other wovon goods,"

Excludes data for 2 establishments include data for draperies, are not comparable with those for 1920, which do not include such data. (The value of draperies produced in 1929 is included in the Item "Other wovon goods,"

The figures for New England States include data for draperies, are not comparable with those for 1920, which do not include such data. (The value of draperies produced in 1929 is included in the Item "Other wovon goods,"

Thread, twine, b

# TABLE 4.—COTTON GOODS—PRODUCTION, BY CLASS, QUANTITY, AND VALUE, BY STATES: 1929

[The figures refer to production, not sales. See General Explanations—Value of Products. Statistics are given for each State which can be shown separately without disclosing data for individual establishments, and for the remaining States in groups. Certain of the "Other States," however, reported larger quantities and values of the specified classes of products than some of the States shown separately]

	of es-	QUAN	TITY			of es-	. QUAN	rity	
CLASS AND STATE	Number of establishments 1	Pounds	Square yards	Value	CLASS AND STATE	Number of e	Pounds	Square yards	Value
. Cotton-goods industry, all products, total value				Dollars 1, 524, 177, 087	Cotton goods, all industries—Contd. Woven-goods—Continued. Numbered duck—except tire-plied warp and plied filling, total				Dollars
Cotton goods Other products (not normally belonging to the industry) Amount received for contract				, , , , , , , , , , , , , , , , , , ,	l, and the state of the state o		43, 667, 312	12, 587, 801	4 601 70
belonging to the industry) *  Amount received for contract				14, 400, 600 2, 251, 265	Alabama Maryland Georgia and South Carolina.		13, 181, 727 10, 967, 261 15, 056, 296	8, 725, 602 16, 633, 536	4, 601, 703 4, 008, 388 5, 550, 688 2, 166, 043
work.  Oction goods made as secondary products in other industries,				6, 772 <b>,</b> 604	Other States Sail duck (Ala., Calif., Ga., Md., Mass., S. C.)	12	4, 462, 028 3, 621, 515	4, 138, 811 2, 566, 694	2, 166, 043 1, 309, 013
value				0, 772,00%	Wide duck, total	17	24, 456, 697	22, 212, 706	8, 917, 60
Cotton goods, all industries: Aggregate value (sum of 2 and 5)				1, 514, 297, 826	Alabama	4 5	8, 314, 152 7, 402, 097	8, 438, 387 6, 210, 972	2, 991, 88 2, 694, 86
Woven-goods (over 12 inches in width), total		2,363,404,826	8,541,545,733	1, 138, 846, 685	Alabama. Georgia Maryland. Other States (Calif., S. C.,	4	5, 700, 562	4, 480, 802	2, 114, 67
Tire fabrics, total		250, 503, 576	302, 864, 499	111, 720, 812	1 UX.)	4	3, 039, 886	3, 073, 455	1, 116, 18
Cord fabric for tires, total	38	220, 360, 699	3 261, 026, 851	99, 377, 409	Naught duck, including hydraulic and "biscuit" (Ala., Ga., Md., S. C.)	9	2, 374, 629	1, 127, 512	900, 459
Georgia Massachusetts	12	73, 527, 407 60, 368, 212 26, 842, 062 29, 626, 477	86, 467, 284 73, 754, 728 30, 910, 493	33, 275, 383 26, 666, 864 12, 301, 432 12, 780, 124	Other numbered duck, except	16	13, 214, 471	10, 178, 838	5, 259, 74
Massantisotts North Carolina Alabama and South Carolina Other States (Calif., Conn., Me., N. H., N. Y., Ohio, R. I., Tex.)	6 4	26, 842, 062 29, 626, 477	30, 910, 493	12, 780, 124	tire, totalAlabama, Georgia, South				
Me., N. H., N. Y., Ohio, R. I., Tex.)	. 9	29, 996, 541	36, 903, 605	14, 353, 606	Carolina Connecticut, Maryland, Massachusetts	8	7, 124, 120	10, 738, 991	2,401,79
Tire duck, total		17, 374, 824	22, 276, 844	6, 845, 608		1 1	6, 090, 351	5, 439, 847	2, 857, 94
Alabama Georgia	-I 6	3, 432, 035 3, 909, 002	4, 535, 322 4, 994, 766	1, 245, 484 1, 552, 224 3, 753, 051	Osnaburgs, total	1	59, 144, 030 17, 042, 339	40 530 421	17, 301, 66 4, 992, 09
Other States (Md., Mass.,	1 "	9, 266, 133	11,800,938	1	Alabama Georgia North Carolina Bouth Carolina	16	21, 053, 706 3, 103, 073 7, 613, 207 5, 553, 610	40, 539, 421 49, 425, 125 11, 270, 352 19, 155, 687 11, 110, 408	6, 500, 46 872, 56 2, 080, 83 1, 503, 21
S. C.)		677, 054	045, 818	294, 849	II 'I'AYAS		7, 613, 207 5, 553, 610	19, 155, 687 11, 110, 408	2, 080, 83 1, 503, 21
Tire fabrics other than cord or duck, total		12, 768, 053	19, 560, 804	5, 407, 795	Other States (Ark., Calif., Ind., La., N. J., Okla., Tenn.)	. 0	4, 177, 915	8, 016, 824	1, 262, 47
Georgia Other States (Ala., Calif., Mass., N. C., S. C.)	- 4	1	8, 286, 101	2, 250, 519	Sheetings, total		396, 021, 293	1,693,167,162	146, 181, 21
Ounce duck, except tire, total		1	11, 274, 703 188, 058, 220	3, 247, 276 48, 705, 834	Alabama Georgia Maine Maine Massachusetts North Carolina South Carolina Tennessee and Virginia Other States		41, 312, 284 79, 716, 402	152, 446, 296 360, 298, 693	13, 332, 00 28, 720, 80
			-		Maine Massachusetts		14, 957, 191 17, 300, 773 38, 105, 488 127, 215, 232	49, 633, 772 69, 980, 969	5,941,26
Georgia Massachusetts		47, 534, 028 3, 704, 699 9, 818, 857	57, 752, 701 61, 318, 767 5, 364, 122 9, 455, 954	14, 013, 907 16, 037, 132 2, 308, 582 3, 505, 140	North CarolinaSouth Carolina		127, 215, 232 36, 070, 054	176, 542, 222 543, 972, 993 162, 363, 925	14, 638, 20 44, 033, 58 12, 212, 48 17, 077, 13
Alabama Georgia Massachusetts South Carolina Texas Other States		23, 595, 609 11, 665, 842	35, 388, 666	7, 995, 584 4, 136, 399	Other States		41, 334, 869	177, 020, 102	17, 077, 1
Army duck, including awning		, ,			Sheetings, 40 inches and nar- rower, total	141	271, 347, 207	1,175,307,528	92, 264, 30
Army duck, including awning since, etc.; plied warp and plied filling, total		23, 313, 402	37, 692, 210	9, 896, 347					
Georgia Alabama, North Carolina South Carolina Other States (Ark., Mo. Md., Mass., N. H., Pa.	5				Maine	- 27 - 4 - 6	32, 030, 249 55, 942, 271 1, 723, 797 1, 294, 125 14, 926, 379	114, 620, 707 252, 354, 778 6, 143, 308 5, 369, 003 62, 312, 527 18, 582, 008	0, 937, 50 10, 164, 33 743, 93 834, 70
South CarolinaOther States (Ark., Me.	9 ,	14, 973, 340	24, 456, 175	5, 605, 262	North Carolina Rhode Island	15	1 4,040,010	62, 312, 527 18, 582, 968	5, 180, 0 1, 837, 1
Tenn.)	9	3, 674, 970	5,341,998	2, 446, 844	South Carolina Tennessee Mississippi and Virginia		110, 830, 227 18, 592, 524 14, 367, 582	486, 984, 094 80, 210, 958 74, 137, 580	37, 284, 0 6, 021, 2 4, 653, 2
Hose and belting duck—plied warp and plied filling	1 ,			40 804 884	Other States (Ark., Conn.	5	14, 507, 882	74, 167, 080	4, 500, 4
total	14					16	17, 094, 233	<b>74, 591,</b> 605	6, 607, 0
Georgia Other States (Ala., Calif. Md., S. C)	,	1			Shoetings, wider than 40 menes	82	124, 673, 996	517, 850, 634	53, 916, 9
Filter cloth (Calif. Conn., Ga.	.			A to the	AlabamaGeorgia	8 18	9, 282, 035 23, 774, 131 13, 233, 394 16, 006, 648 3, 975, 137 23, 179, 100	37, 825, 589 107, 943, 915	3, 394, 5 9, 562, 5
Md., Mass., N. H., N. Y. Ohio, S. C., Tex.)	10	3, 390, 773	3, 344, 844	1,507,014	Maine	. 4	13, 233, 394 16, 006, 648	43, 490, 404 64, 611, 966	5, 107, 3 0, 384, 7
Flat-laid duck—single warp single and plied filing, total.	. 88	65, 732, 881	108, 616, 488	21, 878, 131	Massachusetts New Hampshire North Carolina	15	3, 975, 137 23, 179, 109 16, 385, 005	37, 825, 589 107, 943, 915 43, 490, 464 64, 611, 966 12, 968, 945 114, 229, 695 56, 987, 909	3, 304, 5 9, 562, 5 5, 107, 3 9, 384, 7 1, 878, 7 0, 457, 2 6, 740, 5
Alabama		7 23, 114, 881 16, 935, 170 1 18, 696, 324	36, 051, 153 32, 449, 304	7, 889, 976 5, 321, 433 0, 632, 311	South Carolina	9	8, 901, 743	41, 568, 805	3, 840, 4
Texas Other States (Ark Conn	. l	18, 696, 324	26, 991, 981	0, 632, 311	14. 14, 14, 14, 16, 16, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	, 1			
Texas Other States (Ark., Conn. Ind., Mass., N. C., Okla. Tenn.)	<u>:</u>	6, 986, 500	13, 124, 048	2,034,411	Tex.) Drills, total	i i	9, 936, 794 118, 843, 173		4, 451, 6 39, 700, 9
Other ounce duck, except tire	,	8, 310, 752	14, 315, 052	2,599,77					
				_	South Carolina		37, 131, 287 28, 402, 262 694, 926	98, 764, 137 75, 663, 960 1, 587, 986 120, 737, 924	12, 873, 4 8, 927, 0 250, 9 14, 218, 3
Georgia and Texas Other States (Ala., Ind., Md Mass., S. C., Tenn.)	·• [	740, 696				a_	.   48, 395, 283	120, 737, 024 27, 288, 138	14, 218, 3 3, 425, 0

TABLE 4.—COTTON GOODS—PRODUCTION, BY CLASS, QUANTITY, AND VALUE, BY STATES: 1929—Continued
[See note at head of this table]

				[See note at he	ad of this table				
	r of es- nents 1	QUA	NTITY			of es- ents 1	QUA	NTITY	
CLASS AND STATE	Number of e	Pounds	Square yards	Value	CLASS AND STATE	Number c tablishme	Pounds	Square yards	Value
Cotton goods, all industries—Contd. Woven goods—Continued. Drills—Continued. Drills, 40 inches and narrower,					Cotton goods, all industries—Contd. Woven goods—Continued. Napped fabrics—Continued. Moleskin (Ga., Mo., Mass., N. H., N. C., R. I., Tenn.). Other (Ala., Ga., Mo., Mass., N. H., N. J., N. C., Pa., Tann., Tox.).				
total		80, 359, 572	237, 405, 139	Dollars 20, 205, 525	Moleskin (Ga., Me., Mass., N. H., N. C., R. I., Tenn.). Other (Ala., Ga., Mo., Mass.,	12	6, 445, 877	10, 566, 102	Dollars 2, 874, 060
Alabama Georgia North Carolina South Carolina	15 9 16	26, 904, 059 20, 958, 698 8, 319, 408 24, 511, 597	70, 738, 634 54, 739, 823 24, 720, 688 63, 876, 455	8, 723, 945 6, 963, 160 2, 723, 568 7, 677, 438	N. H., N. J., N. C., Pa., Tonn., Tox.)	14	8, 350, 103	16, 255, 594	3, 440, 951
		694, 926 4, 065, 156	1,587,086	200, 000	Cottonades and cotton worsteds,	10	18, 911, 098	34, 837, 645	8, 357, 448
Arkansas, Mississippi, Ton- nessoe, Virginia. Other States (Ind., Me., Mass., N. H.)	1	3, 845, 728	10, 788, 472 11, 037, 081	1, 440, 900 1, 419, 500	Pennsylvania Other States (Ala., Ga., La., Mass., N. H., N. C., Tex.)	13	3, 150, 304 15, 751, 704	5, 020, 186 29, 811, 450	1, 929, 130 6, 428, 319
Drills, wider than 40 inches,	I	29, 483, 601	86, 546, 106	10, 495, 391	Towels, towelings, and wash cloths, total		70, 973, 774	169, 694, 153	33, 037, 277
Georgia South Carolina Other States (Ala., Me., Mass., N. II., N. O., Tenn.)	10	10, 172, 580 3, 890, 665	44, 024, 314 11, 787, 505	5, 910, 330 1, 240, 508			12, 557, 638 2, 274, 135 2, 921, 204	25, 698, 369 5, 801, 050 5, 140, 934	6, 030, 521 1, 132, 270 2, 546, 540
		9, 420, 347	30, 734, 287	3, 335, 454	Georgia New Jersey Pennsylvania North Carolina, South Caro- lina, Virginia Other States			1 3	
Denims, total		23, 404, 492	41, 398, 473	40, 250, 461 8 577 700			43, 207, 482 0, 923, 255	109, 532, 170 23, 461, 024	18, 464, 502 4, 863, 340
Georgia. Now Hampshire North Carolina Alabama, Louisiana, Missis- sippi Other States.		23, 404, 402 8, 346, 282 56, 902, 255	41, 328, 473 14, 341, 769 08, 040, 320	8, 577, 766 18, 613, 736 3, 056, 040	Towels and towelings, total Plain-woven (Ala, Ga., Mo.,		06, 233, 280	157, 621, 025	30, 168, 738
		30, 508, 318 22, 602, 040	50, 500, 430 39, 620, 130	10, 803, 713 8, 114, 306	Plain-woven (Ala, Ga., Mo., Mass., N. H., N. J., N. Y., Pa., S. C., Va., Wis.)	12	6, 774, 955	18, 508, 501	3, 114, 022
Standard donim—white-back and double-and-twist, total		122, 519, 105	200, 605, 700	41, 727, 408	Turkish and torry-woven,	33	38, 158, 202	82, 414, 616	17, 867, 786
New Hampshire. North Carolina Alabama, Georgia, Louisiana Other States (Conn., Mo., Mass., Miss., S. C., Tox.) Pin cheeks, express stripes, and all other, total.	4 5 9	8, 346, 282 55, 726, 890 38, 076, 958	14, 341, 760 95, 507, 179 66, 159, 641	3, 050, 940 18, 199, 361 13, 462, 383	New Jersey North Carolina Ponnsylvanla, Other States (Ala., Calif., Ga., Md., Mass., N. Y., B. C., Va.)	5 11	24, 338 23, 441, 671 1, 711, 420	39, 034 54, 441, 993 2, 581, 001	30, 632 9, 966, 246 1, 521, 830
Mass., Miss., S. C., Tox.) Pin checks, express stripes, and	11	20, 369, 035	33, 537, 111	7, 008, 724	(la., Md., Mass., N. Y., S. C., Va.)	13	12, 080, 773	25, 352, 588	6, 349, 075
North Carolina	4	19, 334, 222	40, 285, 422 2, 473, 141	7, 529, 053	Huck-woven, total	14	13, 487, 978	37, 417, 114	5, 303, 233
Georgia and South Carolina. Other States (Ala., La., Me., Mass., Miss., Tex.)	10	9, 848, 084 8, 310, 773	10, 949, 795 17, 802, 486	3, 763, 760 3, 350, 909	Alabann, Georgia, North Carolina Other States (Calle, N. H.	7	8, 553, 625	23, 722, 114	3, 270, 447
Tickings, total	24	10, 931, 428	42, 410, 547	9, 280, 484	N. J., N. Y., S. C., Va.). Damask or Jacquard and	7	4, 034, 353	13, 695, 000	2, 002, 786
Georgia North Carolina	5 5 3	5, 211, 919 7, 543, 794	11, 740, 882 18, 349, 057	2, 236, 967 3, 581, 200	Carolina, Georgia, North Carolina Other States (Challt, N. 11., N. J., N. Y., S. C., Va.) Damask or Jacquard and other (Ga., Me., N. H., N. J., N. Y., N. C., Pa., S. C., Va., Wis.)	18	7, 812, 145	19, 280, 704	3, 823, 60
Georgia North Carolina Pennsylvania Other States (Ala., Conn., Me., Mass., N. H., R. I., S. U., Tex.)	"	1, 732, 855	3, 117, 914	000, 772	Wash cloths, total	30	4, 740, 494	12, 073, 128	2, 868, 539
Blankets, total  Blankets, all-cotton, except	11	5, 442, 860 43, 050, 171	94, 000, 907	2, 552, 485 25, 391, 902	New Jorsey Pennsylvania Other States (Ala., Calif., Conn., Ga., Md., Mass., N. H., N. Y., N. C., Va., Wis.)	5 0	337, 830 731, 776	584, 223 1, 569, 342	312, 848 652, 943
erib, totalPair length, total		24, 427, 505 15, 729, 058	59, 158, 402 44, 733, 360	7, 725, 538	N. H., N. Y., N. C., Va., Wis.)	16	3, 670, 879	0, 919, 503	1, 902, 748
00 inches or less in width		1, 679, 701 14, 049, 357	4, 712, 548	737, 274	Bath mats, total	21	2, 085, 588	1, 180, 655	1, 532, 026
Single length  Crib blankets, all-cotton (Me.,	8	8, 698, 537	40, 020, 812 14, 425, 042	0, 088, 204 5, 450, 026	Pennsylvania. Other States (A.la., Calif., Ga., Ill., Md., N. O., Va.) Terry-woven fabrics, except tow- els, towellngs, wash cloths, and	11 10	1, 211, 864 873, 724	697, 498 483, 157	1, 136, 830 305, 196
Tex.).  Blankets (wool and cotton) (Ga., Me., Mass., N. H., N. C., S. C.)4	8	4, 161, 702	0, 907, 812	3, 214, 905	els, towelings, wash cloths, and bath mats	0	678, 580	1, 505, 928	461, 044
Napped fabrics, total		15, 060, 784 108, 879, 302	27, 094, 693 323, 140, 452	8, 991, 833 48, 329, 469	Bedspreads and quilts, total		17, 758, 093	52, 901, 717	16, 305, 884
Alabama		10, 578, 697 19, 687, 330 6, 963, 554	23, 174, 685 36, 162, 781	4 082 041	Massachusetts North Carolina South Carolina		2, 725, 042 7, 272, 614 2, 584, 743	6, 531, 628 23, 106, 994 7, 598, 240	2, 597, 108 6, 824, 872 2, 270, 561
Massachusatts Maw Hampshiro North Carolina South Carolina Other States Blanketings (sold as piece goods) (Mass., N. II., N. O., S. C., Tex.)		10, 578, 697 19, 687, 330 6, 963, 554 17, 425, 720 41, 042, 226 7, 801, 222 5, 380, 544	23, 174, 685 36, 162, 781 11, 680, 572 60, 226, 930 150, 369, 288 30, 360, 784 11, 105, 463	7, 138, 506 4, 322, 519 8, 409, 768 18, 247, 444 3, 623, 930	South Carolina Maine, New Hampshire, Rhode Island Other States		4, 100, 428 1, 015, 200	13, 258, 136 2, 406, 719	3, 888, 802 805, <b>451</b>
Other States  Blanketings (sold as piece goods) (Mass., N. H., N. C.		5, 380, 544	11, 105, 453	3, 623, 930 2, 444, 301	Double-woven fabric (Marsoilles, satin, etc.), total		4, 150, 625	10, 082, 547	3, 541, 430
S. C., Tex.)  Canton flannel, total		5, 233, 075	7, 880, 957	3, 854, 354	All-cotton (Ga., Ky., Mc.,				
Georgia Othor States (Ala., Mo., Mass., N. H., N. C., S. C.)	18 5	24, 738, 318 12, 968, 761	45, 427, 598 21, 684, 319	8, 744, 388 4, 124, 821		13	2, 271, 009	5, 704, 359	1, 404, 232
	13	11, 760, 557	23, 743, 279	4, 619, 567	All-rayon and part-rayon (Ky, Me., Mass., N. H., N. C., Pa., S. O.) Single-woven fabrics (crochet, dimity, ripplette, etc.)	11	1, 879, 526	4, 978, 188	2, 047, 198
Cotton flannel (flannelettes, domets, outing, and similar fabrics), total	32	64, 102, 929	243, 010, 201	29, 408, 816	totalAll-cotton, total	21	13, 607, 468 7, 538, 423	42, 219, 170 21, 477, 465	12, 854, 454
Georgia North Carolina Other States (Ala., Me., Mass., N. H., Pa., S. C.)	3 15	4, 777, 839 31, 506, 156	11, 159, 008 133, 799, 052	2,018,662 14,464,823	North Carolina Other States (III., Mo., Mass., N. H., Pa., S. C.,	7	2, 791, 283	8, 965, 689	2, 260, 602
Mass., N. H., Pa., S. C.) See footnotes at end of table.	14	27, 818, 934	98, 052, 141	12, 925, 331	Mass., N. H., Pa., S. C., Va.)	14	4, 747, 140	12, 511, 776	2, 050, 215
190041 99 40									

TABLE 4.—COTTON GOODS—PRODUCTION, BY CLASS, QUANTITY, AND VALUE, BY STATES: 1929—Continued

[See note at head of this table]

	es- its1	QUAN	TITY			fes- ots1	QUAN	TITY	
CLASS AND STATE	Number of establishments 1	Pounds	Square yards	Value	CLASS AND STATE	Number of establishments	Pounds	Square yards	Value
Cotton goods, all industries—Contd. Woven goods—Continued. Bedspreads and quilts—Contd.				5	Cotton goods, all industries—Contd. Woven goods—Continued. Reps, poplins, and broadcloths—				**************************************
All-rayon and part-rayon,	25	6, 069, 045	20, 741, 705	Dollars 7, 934, 547	Continued. Average single yarn-count, 41s and over, total	49	80, 330, 030	135, 236, 896	Dollars 20, 951, 098
Massachusetts North Carolina	8	1, 355, 032 1, 791, 875	4, 314, 011 6, 019, 750	1, 862, 918 2, 323, 071	· ·	20 0	14, 906, 580	05, 934, 079	10, 928, 457 3, 953, 734
North Carolina Other States (Ala., Me., Pa., R. I., S. C.). Cotton bags, made from fabric	11	2, 922, 138	10, 407, 944	3, 748, 558	Massachusetts South Carolina. Other States (Conn., Mo., N. H., N. Y., N. C., R. I.)	20	5, 309, 058 10, 120, 392	24, 251, 144 45, 051, 673	6, 068, 907
Cotton bags, made from fabric woven by same establishment (Ala., Conn., Ga., La., Me., Mo., N. Y., Pa.)	12	7, 659, 518	10, 485, 645	2, 031, 568	Pajama checks, dimities, and similar fabrics, total		20, 904, 845	122, 108, 068	13, 085, 354
					Massachusetts South Oarolina Other States		6, 172, 349 9, 169, 208	49, 737, 784 43, 951, 905	0, 184, 780 3, 978, 590 2, 921, 984
Pillow tubing (Conn., Ga., Ill., Me., Mass., N. H., N. Y., N. C. 8, C.)	19	7, 059, 588	21, 264, 466	3, 989, 009			5, 563, 198	28, 410, 270	2, 021, 084
Tobacco, cheese, butter, bunting, and bandage cloths, total		41, 772, 410	177, 994, 474	18,099,850	A verage single yarn-count, 40s and under (Ala., Conn., Ga., Mass., N. H., N. C., S. C.,	26	14, 833, 563	88, 378, 478	0, 608, 333
Massachusetts North Carolina South Carolina	3 9	7, 015, 715 15, 319, 151	177, 884, 474 114, 250, 611 202, 257, 199	4, 876, 876 2, 861, 267 6, 639, 843	Average single yarn-count, 41s and over (Conn., Me., Mass.,				
South Carolina	. 8	8, 408, 230	123, 018, 561	3, 721, 864	Va.)  Average single yarn-count, 41s and over (Conn., Me., Mass., N. Y., R. I., S. C.)  Voiles, total	23	6, 071, 282 17, 908, 973	33, 730, 490 157, 449, 397	3, 477, 021 13, 406, 699
Print cloth, total		301, 479, 145	1,703,025,248	121, 423, 305	MassachusettsOther States		13, 271, 319 4, 637, 654	118, 513, 052 38, 935, 445	10, 043, 027 3, 363, 672
North Carolina South Carolina Massachusetts and Rhode Island Other States		29, 859, 217 200, 187, 485	157, 909, 702 1,170,152,608	11, 839, 007 82, 501, 225	Average single-yarn-count, 40s and under, total	1			
Massachusetts and Rhode		23, 247, 892 42, 184, 551	181, 426, 776 243, 536, 162	10, 069, 374			4, 538, 344 3, 095, 454	25, 783, 626	2, 702, 319 1, 978, 903
Widths narrower than 36 in-	ì			17, 018, 699	Massachusetts Other States (Conn., Ga., Me., N. H., N. Y., N. C., R. I.)	10			
ches, total		1, 378, 098	12 183 104	19, 277, 600 659, 594	1	1	1, 442, 890	10, 913, 667	813, 416
Massachusetts South Carolina Other States (Ala., Ga., Ky.,	15	34, 857, 342	12, 183, 104 202, 542, 897	13, 102, 468	Average single yarn-count, 41s and over, total	<u> </u>	13, 370, 629	120, 752, 104	10, 614, 380
Other States (Ala., Ga., Ky., Me., N. H., N. J., R. I., Tenn., Va.)	12	13, 874, 909	91, 345, 307	5, 515, 538	Massachusetts Other States (Conn., Ga., Me., N. C., R. I., S. C.)	21	10, 175, 865	92, 730, 326 28, 021, 778	8, 064, 124 2, 550, 256
Widths 36 inches and wider,		251, 368, 798	1,396,953,940	102, 145, 705	Orôpes, total		3, 194, 704 5, 611, 480	36, 600, 148	6, 045, 909
North Carolina	15	29, 859, 217 171, 330, 143	157, 909, 702 967, 609, 711	11, 839, 007 69, 398, 757	Oonnecticut, Maine, Massa- chusetts, Rhode Island				5 200 071
South Carolina	- 61	171, 330, 143	138, 466, 449	69, 898, 757 11, 282, 591	II Other States		4, 792, 271 819, 218	30, 050, 310 6, 600, 838	5, 369, 671 670, 238
Hampshiro Other States (Ala., Ark., Conn., Ga., Mo., N. J., N. Y., R. I., Tenn., Va.).	10	20, 504, 201	100, 400, 440	11, 202, 001	Average single yarn-count, 40s and under (Ala., Mass., N. J., R. I., S. O.)	. 8	1, 457, 132	7, 284, 371	831, 425
		23, 875, 231	132, 968, 078	9, 625, 850	and over (Conn., Me., Mass.,	7	4, 154, 357	29, 375, 777	5, 214, 484
Lawns, nainsooks, cambries, and similar muslins, total		I	226, 553, 738	25, 418, 595	N. O.)  Mosquito netting and tarlatan				
Connecticut  Massachusetts Rhode Island South Carolina Other States Average single yarn-count, 40		4, 223, 964 11, 026, 660	35, 404, 381 97, 174, 210	4, 489, 592 10, 012, 166 4, 079, 552 1, 875, 522	(Conn., Ill., Mass., N.J., N.Y.) Twills and sateens, total		3, 513, 655 82, 492, 337	33, 298, 163 284, 117, 406	2, 356, 302 37, 441, 206
Rhode Island South Carolina		5, 476, 800 2, 752, 681 7, 664, 292	25, 228, 826 16, 151, 682 52, 594, 639	4, 079, 552 1, 875, 522 4, 961, 763	Georgia Massachusetts		16, 753, 245 15, 368, 484	36, 168, 331 73, 149, 815	6, 130, 207 8, 778, 656
Average single yarn-count, 40 and under (Conn., Me.	3	1,001,202	02,004,000	4, 001, 100	North Carolina Rhode Island South Carolina	_!	1 4, 740, 037	10, 720, 974 19, 988, 802 51, 607, 885	2, 270, 605 2, 536, 601 5, 447, 679 12, 277, 278
and under (Conn., Me, Mass., N. H., N. C., R. I. Tenn.)	11	2, 404, 126	10, 626, 982	1, 100, 298	South CarolinaOther States		4, 380, 835 12, 905, 638 28, 328, 408	51, 607, 885 86, 481, 590	5, 447, 679 12, 277, 278
Average single yarn-count, 41s and over, total	53	28, 740, 271	215, 926, 756	24, 318, 297	Average single yarn-count, 40s and under, total	- 71	69, 467, 005	225, 085, 007	28, 384, 057
South Carolina	5	2, 752, 68	16, 151, 682	1, 875, 522	Maine	6	1, 506, 210 10, 732, 715	3, 418, 426 40, 557, 959	683, 910 5, 421, 149
Rhode Island Other States (Ala., Me., N Y., N. C., Vt.)	. I 38	19, 908, 472		18, 115, 748	North Carolina	8	1, 566, 210 10, 732, 715 4, 166, 006 2, 954, 589	13, 302, 580 12, 564, 007	5, 421, 140 1, 817, 310 1, 404, 012 0, 167, 967
	1.	6, 079, 118	45, 666, 388	4, 327, 027	Alabama and Georgia Other States (Conn., Miss.	14	26, 116, 308	54, 468, 501	9, 167, 967
Reps, poplins, and broadcloths		70, 678, 442	_	40, 554, 626	li .	22	23, 931, 177	92, 284, 374	9, 889, 694
Massachusetts North Carolina		21, 656, 374 3, 150, 211 27, 346, 535	95, 170, 439 13, 880, 749 120, 973, 704	15, 862, 151 1, 882, 726 13, 185, 129	Average single yarn-count, 41s and over, total	37	13, 025, 332	58, 431, 499	9, 057, 149
South Carolina Connecticut and Rhode Is land		12, 412, 179	1	1	North Carolina	4	4, 635, 769 580, 631	23, 591, 850 3, 328, 394 7, 424, 735	3, 357, 507 453, 379
Other States		6, 118, 143	53, 565, 567 25, 029, 762	6, 767, 798 2, 856, 822	Rhode Island	;-   ő	1, 435, 246	7, 424, 735	1, 132, 679 2, 194, 067
and under, total	- 60	40, 342, 412	173, 383, 325		II Y., S. O.)	. 5		9, 659, 371	1, 910, 517
Massachusetts New Hampshire	15	147, 513	29, 236, 360 505, 125 96, 722, 560	4, 933, 694 119, 004 9, 231, 395	1		30, 317, 156	1	17, 717, 408
South Carolina Other States (Conn., Ga. Ky., Me., N. J., N. Y. N. C., R. I., Tenn., Va.)	, 16	22, 037, 477	96, 722, 560	9, 231, 395	North Carolina, South Caro	-	20, 624, 902	08, 035, 132	12,064,007
N. C., R. I., Tenn., Va.)	26	11, 407, 628	46, 919, 280	5, 319, 435	Other States		9, 692, 254	40, 085, 164	5, 053, 401

TABLE 4.—COTTON GOODS—PRODUCTION, BY CLASS, QUANTITY, AND VALUE, BY STATES: 1929—Continued
[See note at head of this table]

			,	260 11000 40 1104	d of this table				
	of es-	ALUQ	TITY			of es-	QUAI	YTITY	
CLASS AND STATE	Number of establishments	Pounds	Square yards	Valuo	CLASS AND STATE	Number of establishments	Pounds	Square yards	Value
Cotton goods, all industries—Contd. Woven goods—Continued.		: '			Cotton goods, all industries—Contd. Woven goods—Continued.				
Woven goods—Continued, Ginghams—Continued, Average single yarn-count, 40s and under, total	30	20, 993, 503	145, 006, 845	Dollars 17, 247, 207	Cotton goods, all industries—Contd. Woven goods—Continued. Draperies—Continued. Average single yarr-count, 41s and over, total	14	1, 096, 081	3, 868, 515	Dollars 2, 320, 665
North Carolina	19	13, 198, 545 3, 318, 897	53, 587, 598 23, 121, 910	7, 535, 055 1, 733, 989		3	373, 561	792, 222	1, 149, 551
North Carolina South Carolina Other States (Ala., Conn., Me., Mass., Miss., N. H., R. I., Tox., Va.) Average single yarn-count, 41s and over (Me., Mass., N. C., Pa., S. C.) Oction table damask (Ga., Ma., N. H., N. J., N. Y., N. C., S.	11	13, 470, 061	68, 207, 337	7, 978, 163	Pennsylvania Other States (Conn., Me., Mass., N. Y., N. C., R. I.) In chief value of rayon (Me., Mass., N. J., N. C., Pa., R. I., S. C.)	11	722, 520	3, 076, 203	1, 171, 114
Average single yarn-count, 41s and over (Me., Mass., N. C., Pa., S. C.)	0	323, 653	2, 113, 451	470, 201		18	5, 799, 158	24, 292, 002	5, 088, 490
N. H., N. J., N. Y., N. C., S.	14	12, 378, 545	35, 868, 245	8, 382, 821	Shirtings, made entirely of cot- ton, total		06, 565, 850	265, 830, 195	37, 330, 976
Cotton tapestries, total		6, 630, 928	9, 810, 301	12, 995, 414	Connecticut		203, 896 4, 621, 939 3, 620, 930 8, 702, 138 38, 743, 703 10, 613, 253	1, 490, 200 21, 887, 902 17, 009, 012 38, 874, 052 143, 885, 033 42, 683, 096	260, 877 4, 085, 348 3, 412, 328 4, 957, 901 17, 816, 122 6, 807, 400
North Carolina	4 26	842,000 4,210,032	1, 012, 723 6, 501, 827	050, 550 10, 430, 622	Rhode Island South Carolina		3, 620, 930 8, 702, 138	17, 009, 012 38, 874, 052	3, 412, 328 4, 957, 901
Pennsylvania Other States (Ga., Ky., Md., Miss., N. H., N. J.)	11	1, 581, 230	2, 205, 811	1, 914, 233	•		10, 613, 253	42, 683, 096	6, 807, 400
Plushes, velvets, and velveteens,	İ,	11 mm 0E1		, ,	Average single yarn-count, 40s and under, total	72	56, 122, 444	219, 004, 049	29, 357, 612
Pennsylvania		41, 777, 351 15, 200, 146	50, 303, 507 16, 824, 130	16, 191, 252	Massachusetts. North Carolina Rhode Island South Carolina Other States (Ah., Conn., La., Mo., Miss., N. H., Tenn., Tex., Vt., Va.) Average single yarn-count, 41s and over, total	12 28	1, 577, 720 24, 620, 486	7, 496, 583 92, 945, 912	1, 415, 361 11, 013, 300
Pennsylvania Massachusetts and Rhode Island		8, 788, 308	12, 478, 499	8, 687, 671	Rhode Island South Carolina	0 7	1, 577, 720 24, 620, 480 2, 203, 705 5, 208, 729	7, 406, 583 92, 945, 912 10, 739, 517 24, 609, 475	1, 415, 361 11, 013, 300 2, 121, 811 2, 901, 930
North Carolina and South Carolina Other States		6, 674, 306 11, 114, 591	8, 987, 958 21, 103, 010	7, 782, 845 9, 008, 754	Other States (Ala., Conn., La., Me., Miss., N. II.,	100	22, 361, 714		11, 905, 210
Plushes, total		34, 054, 250	40, 473, 750	35, 981, 435	Average single yarn-count, 41s	33	10, 443, 415	83, 303, 162 46, 735, 540	7, 982, 304
All-cotton, total		27, 927, 018	33, 100, 317	27, 762, 701	Massachusotts North Carolina, South Caro-	14	3, 044, 219	14, 391, 319	2, 660, 987
Pennsylvania New Jersey and Rhode	18	11, 394, 956	12, 792, 583	11, 175, 047	North Carolina, South Caro- lina, Virginia. Other States (Conn., Me.,	. 8	4, 076, 462	17, 324, 083	2, 608, 691
Other States (Conn., Del.,	10	9, 304, 450	10, 754, 987	8, 808, 488	£6, L1, V 6,)	11	8, 322, 734	15, 019, 544	2, 703, 086
Md., Mass., N. H., N. Y., N. C., S. C.)	ì	7, 227, 603	0, 642, 747	7, 088, 200	Shirtings, in chief value of cotton, containing rayon, total *	1	11, 707, 718	49, 837, 594	8, 116, 818
Other, totalPennsylvania	10	0, 127, 241 3, 805, 190	7, 283, 433 4, 031, 547	8, 218, 734 5, 015, 305	Massachusetts North Carolina South Carolina Other States		1, 576, 455 4, 862, 317 4, 582, 440 686, 497	7, 872, 703 10, 084, 180 10, 180, 532 3, 100, 170	1, 785, 674 2, 737, 675 2, 879, 401 714, 068
South Carolina	13	1, 830, 155	2, 160, 305	2, 008, 825	Other States		086, 407	3, 100, 170	714, 068
South Carolina Other States (N. H., N. J., N. C., R. I.) Volvets (Conn., Ga., N. H., N. J., Tex.) Velveteons (Ga., Mass., N. Y., D. I. Tenn.)	5	485, 896	1,001,581	1, 194, 604	Average single yarn-count, 40s and under, total	82	10, 146, 437	42, 258, 500	6, 260, 242
Velveteens (Ga., Mass., N. Y.,	6	4, 300, 907 3, 422, 185	10, 694, 489 8, 225, 358	2, 006, 551 3, 772, 530	North Carolina, South Caro-	18	8, 648, 005	34, 815, 016	4, 008, 050
R. I., Tenn.)  Corduroys (Ala., Ga., Mass., N. Y., N. C., R. I., Tenn.)	13	15, 501, 482	27, 134, 419	9, 500, 553	North Carolina, South Carolina, Texas. Other States (Conn., Mass., N. Y., R. I.) Average single yarn-count, 41s and over (Count., Mass., Pa., S. C., Vt., Va.) Shirtings, in chief value of cotton, containing silk* (Conn., Mass., R. I., S. C.)	14	1, 498, 432	7, 443, 484	1, 660, 292
Draperies (except velvets and plushes), total	1	41 104 000	000 071 109	20 049 900	Average single yarn-count, 41s and over (Conn., Mass., Pa.,		1 F01 D01	n em nn	1 947 570
Massachusetts		13, 487, 962	93, 964, 974	39, 043, 368 12, 486, 447	Shirtings, in chief value of cotton,	11	1, 561, 281	7, 570, 004	1, 847, 576
North Carolina Pennsylvania Connecticut and Rhode	.1	13, 487, 962 5, 894, 607 1, 077, 101	93, 964, 974 18, 839, 989 2, 257, 624	4, 592, 126 3, 784, 817	Mass., R. I., S. C.)	7	213, 259	1, 377, 803	314, 447
Island Georgia and South Carolina. Other States		0, 848, 267 11, 523, 070 2, 353, 853	53, 970, 327 48, 418, 294 9, 214, 855	9, 546, 485 6, 250, 302 2, 374, 191	Fabrics (other than shirtings and draperles), in chief value of cotton, containing rayon, total ⁵		21, 963, 487	111, 070, 184	28, 984, 042
All-cotton, total		26, 955, 484	171, 117, 581	22, 100, 406	Massachusetts Rhodo Island North Carolina and South		7, 676, 546 2, 193, 277	44, 934, 955 11, 761, 289	12, 027, 133 3, 701, 060
Average single yarn-count, 40s and under, total		20, 984, 037	110, 904, 791	16, 107, 880	CarolinaOther States		6, 403, 078 5, 690, 586	24, 823, 846 80, 459, 594	5, 825, 769 7, 430, 080
Onnecticut.  Massachusotts Other States (Calif., Ga., Ky., Me., N. H., N. J., N. C., Pa., R. I., S. C., Tenn.)	20	2, 135, 858 7, 130, 413	18, 629, 987 50, 927, 721	2, 277, 004 5, 802, 958	Average single yarn-count, 40s and under, total	46	16, 062, 133	74, 416, 488	19, 789, 604
N. C., Pa., R. I., S. C., Tenn.)	_ 27	11,711,766	50, 437, 083	8, 027, 807	Massachusetts North Carolina Rhode Island. Other States (Calif., Conn., Ga., Ky., Me., N. H., N. J. N. Y., Pa., S. O.)	18 4 5	4, 818, 260 8, 285, 043 803, 115	30, 405, 678 0, 555, 373 2, 984, 829	7,960,276 2,303,114 1,638,314
Average single yarn-count, 41s and over, total	. 24	5, 971, 447	51, 122, 700	6, 091, 607	Other States (Calif., Conn., Ga., Ky., Me., N. H., N. J. N. Y., Pa., S. C.)	10	7, 005, 115	31, 380, 608	7,827,900
Massachusetts Other States (Conn., Ga., Me., N. C., R. I., S. C.)	12	3, 108, 001 2, 862, 456	27, 474, 803 23, 647, 987	2, 020, 693 3, 170, 014	Average single yarn-count, 41s and over, total	25	5, 901, 354	37, 502, 696	9, 194, 438
In chief value of cotton, containing rayon, total §		8, 430, 218	31, 201, 580	10, 855, 382	20.00	-		14, 430, 277	
Average single yarn-count, 40s and under, total	. 34	7, 884, 137	27, 393, 005	8, 534, 717	Massaciusetts Rhodo Island Other States (Conn., Me., N.H., N. C., Pa.) Fabrics (other than shirtings and draperies) in chief value of cotton, containing silk, total s	14	2, 858, 286 1, 330, 162	8, 776, 460	4, 060, 857 2, 062, 746
		2, 402, 527	10, 261, 909	2, 290, 044	N. H., N. C., Pa.)  Fabrics (other than shirtings and	10	1,712,906	14, 346, 950	3, 064, 835
Massachusetts Other States (Conn., Ga., Md., N. H., N. J., N. Y., N. C., Pa., R. I., S. C., Va.)		1 1	eg e a de la company	The second of		30	5, 006, 458	80, 581, 200	7, 564, 793
Va.)	26	4, 931, 610	17, 131, 156	0, 244, 073	Massachusetts.	18	4, 122, 795	31, 654, 902	6, 088, 603

See footnotes at end of table.

Table 4.—COTTON GOODS—PRODUCTION, BY CLASS, QUANTITY, AND VALUE, BY STATES: 1929—Continued [See note at head of this table]

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	of es-	QUAN	TITY			of es-	QUA	NTITY	
CLASS AND STATE	Number of establishments 1	Pounds	Square yards	Value	CLASS AND STATE	Number of tablishment	Pounds	Square yards	Value
Cotton goods, all industries—Contd. Woven goods—Continued.					Cotton goods, all industries—Contd. Cotton yarn produced for sale— Continued.				
Cotton goods, all industries—Contd.  Woven goods—Continued. Fabries, containing silk—Contd. Other States (Conn., Mc., R. I., S. C.)	12	973, 663	7, 926, 367	Dollars 1, 476, 130	Carded—Continued. Carded—Continued. Other carded yarns produced for sale, etc.—Continued. Georgia				Dollars
Fabrics (except draperies), in chief value of rayon, total 5	39	14, 843, 679	85, 064, 430	24, 160, 789	Maine Massatts	44 7 35	102, 730, 757 6, 924, 008 26, 036, 408		34, 110, 582 3, 078, 202 11, 134, 960 2, 602, 702 66, 553, 874 9, 608, 557 4, 784, 820
Connecticut	5 5	987, 449 2, 914, 071	5, 648, 684 18, 370, 311	1, 908, 279 5, 494, 759	New York. North Carolina. South Catolina.	139 29	7, 496, 560 220, 708, 134 28, 585, 630		2, 002, 702 66, 553, 874 9, 608, 557
ShireOther States (N. C., Pa., S. C., Va.) Rugs (except bath mats), cotton,	17 12	6, 765, 710 4, 176, 449	38, 985, 528 22, 659, 907	8, 875, 033 7, 882, 718	Tennessee New Hampshire and Rhode Island	9 15	1		4, 784, 820 7, 607, 707
total		2, 963, 715	2, 850, 866	2, 465, 066	Other States (Ark., Calif., Ill., Ky., Md., Miss., N. J., Pa., Tex., Va.)	19	14, 482, 404		4, 919, 456
Pennsylvania Other States Woven (Ga., Ill., Ky., Mass., Minn., N. Y., Pa., Wis.) Braided (Ga., Mass., N. O., Pa.)		1, 043, 266 1, 920, 449	1, 216, 741 1, 634, 125	1, 099, 799 1, 365, 267	Combed, total		149, 412, 475		88, 553, 714
Minn., N. Y., Fa., Wis.) Braided (Ga., Mass., N. O., Pa.). Other woven fabrics (over 12	6	2, 435, 134 528, 581	2, 492, 066 358, 800	2, 233, 432 231, 634	Yarns for sewing thread and for crochet, darning, hand- knitting, and embroidery cotton, total	00	11 950 DEV		D GOA ANG
inches in width), total	2.0	71, 472, 241	298, 005, 247	44, 608, 331	1	1	6, 243, 694		8, 306, 078 4, 710, 274
Georgia Maine Massachusotts		8, 288, 939 4, 443, 095 13, 313, 838 15, 254, 362	29, 991, 256 13, 163, 314 75, 197, 599	3, 190, 878 1, 785, 187 12, 356, 710	Massachusetts Other States (Conn., Ga., Me., N. H., N. C., R., I., S. C)	14	5, 128, 965		3, 685, 804
Georgia Maino Massachusetts North Carolina South Carolina Other States	1	15, 254, 362 5, 634, 564 24, 537, 443	20, 991, 250 13, 163, 314 75, 197, 599 51, 724, 722 29, 719, 548 98, 268, 808	3, 190, 878 1, 785, 187 12, 356, 710 7, 400, 135 4, 774, 153 15, 011, 268	Other combed yarns produced for sale, including those for weaving and machine knit- ting, total	163	138, 030, 816		80, 157, 636
Average single yarn-count, 40s and under, total	87	58, 257, 812	216, 518, 117	32, 307, 332	Massachusetts North Carolina	23 97	13, 613, 517 92, 264, 172		9, 609, 139 52, 291, 158 3, 974, 219
Maine Massachusetts North Carolina South Carolina	19 15 10	4, 443, 095 7, 269, 960 14, 660, 572 3, 070, 989	13, 163, 314 34, 829, 608 47, 692, 372 14, 840, 973	1, 785, 187 5, 926, 909 7, 039, 920 1, 767, 076	Massachusetts North Carolina South Carolina Other States (Ala., Conn., Ga., Ky., Mo., N. H., N. Y., R. I., Tenn.)	8 35		**********	3, 074, 219 14, 283, 120
South Carolina. South Carolina. Other States (Ala., Calif., Conn., Ga., N. H., N. J., N. Y., Pa., R. I., Tenn., Tex., Va.)				• • • • • • • • • • • • • • • • • • • •	Thread, total	1	1		37, 000, 704
	37	28, 813, 196	105, 991, 760	15, 788, 240	Massachusetts. Other States (Conn., Ga., Ky., Mich., N. H., N.J., N.Y., N. C., Ohio, Pa., R. I., Tex.,	12	8, 699, 587	******	0, 490, 783
Average single yarn-count, 41s and over, total		13, 214, 429	81, 547, 130	12,300,999	Mich., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tex., Wis.)	. 24	16, 550, 791		27, 600, 011
Massachusetts North Carolina South Carolina Other States (Ala., Conn., Ga., N. H., R. I., Va.)	14 7	6, 043, 878 593, 790 2, 563, 575	40, 367, 901 4, 032, 350 14, 878, 575	6, 429, 801 450, 215 3, 007, 077	N. C., Ohio, Pa., R. I., Tex., Wis.)  Twine (Ala., Calif., Ga., La., Me., Md., Mass., Miss., Mo., N. J., N. C., Okla, R. I.)  Batting, wadding, and mattress felts (Ark., Calif., Conn., Ga., Ill., Iud., Me., Md., Mass., Mich., Mo., N. H., N. Y., N. C., Ohio, Pa., R. I., S. C., Tex., Wis.)  Cotton card laps, sliver, and roving produced for sale (Ala., Ill., Md., Mass., N. J., N. Y., N. C., Pa., R. I.)	. 29	40, 042, 518		14, 050, 396
Ga., N. H., R. I., Va.)	1	4, 013, 186	22, 268, 304	2,413,906	felts & (Ark., Calif., Conn., Ga., Ill., Ind., Mo., Md., Mass.,				
Connecticut		11, 977, 843		6, 102, 331	Ohio, Pa., R. I., S. C., Tex., Wis.). Cotton card laps, sliver, and rover produced to the card.	67	149, 481, 003		19, 400, 875
Connecticut Georgia Maine Massachusetts New Hampshire North Carolina Rhode Island South Carolina Tennessee Texas Alabama and Kentucky		7, 366, 952 47, 130, 562 13, 554, 300	************	6, 102, 331 37, 361, 812 3, 399, 143 25, 899, 549 4, 629, 434	Md., Mass., N. J., N. Y., N. C., Pa., R. I.)  Cotton waste produced for sale,	. 19	10, 134, 207		1, 700, 475
North Carolina Rhode Island		316, 170, 435 13, 069, 334		120, 462, 122 7, 957, 990	total	- Ω28			
Tennessee Texas		18, 234, 975 1, 776, 420		14, 378, 969 7, 799, 962 548, 178	Alabama Arkansas Connecticut	21	31, 257, 406 1, 051, 811 12, 367, 165		2,005,900 40,566 1,211,551
Other States		54, 194, 103 15, 789, 203		19, 240, 151 5, 569, 470	Massachusetts	126	58, 794, 658 70, 406, 777		3, 526, 825 7, 252, 484
Carded, total		498, 312, 964		164, 795, 397	Mississippi New Hampshire New Jersey	η	12, 421, 040 2, 298, 320	*****	117, 668 731, 238 236, 565
Yarns for sewing thread and for crochet, darning, hand- knitting, and embroidery	l l				New York	- 907	4,050,176 107,881,811 1,126,705		263, 110 8, 131, 546 64, 604
knitting, and embroidery cottons (Conn., Ga., Mass., N.H., N.Y., N.C., R.I., S.C.)		6, 709, 744		2,745, 225	Pennsylvania Rhode Island South Carolina Tennossee	34 - 149 - 16	20, 007, 925 73, 372, 055 9, 593, 075		1, 975, 342 4, 783, 897 740, 023
Other carded yarns produced for sale, including those for weaving and machine		404 000			II /Corns	1 57	58, 794, 558 70, 406, 777 2, 337, 774 12, 421, 040 2, 298, 320 4, 050, 170 107, 881, 811 1, 126, 795 20, 067, 925 73, 372, 056 6, 583, 075 6, 292, 703 4, 683, 033		241, 122 228, 160
knitting, totalAlabamaConnecticut	30	491, 603, 220 42, 380, 435 8, 656, 474		162, 050, 172 14, 038, 721 3, 511, 441	Virginia Other States (Califs, Ills, Inds, Ky, Las, Mes, Mds, Mos, Ohlo, Oklas, Vts, Wiss) Other cotton products, value Old bagging and ties, value	32	17, 923, 735		1, 010, 415 15, 310, 089 1, 303, 467
1 Establishments which made the		0-3			II .	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	<u> </u>	<u> </u>

¹ Establishments which made the specified products to the value of \$1,000 or more during the year.
2 Cotton small wares, cordage and rope, mohair plush, bags made from purchased fabrics, woolen goods, worsted goods, knit goods, silk, and linen goods.
3 Because of the failure of some manufacturers to report cord fabric in square yards, it was necessary to estimate (on the basis of the averages shown by the complete returns) nearly 40 per cent of this item.
4 Production in cotton-goods industry only. The total production of blankets composed of cotton and wool by all establishments reporting the manufacture of such blankets in 1929 amounted to 55,058,769 square yards, valued at \$19,614,798.
4 Not including products of silk mills.
5 Production in cotton-goods industry only; does not include production of thread by establishments classified in "Dyeing and finishing textiles" industry.
7 Production in cotton-goods industry only; does not include production by establishments engaged primarily in the manufacture of cordage and twine. The total production of cotton twine by all establishments reporting the manufacture of such twine in 1929 was 85,988,140 pounds, valued at \$28,991,411.

TABLE 5.—COTTON GOODS—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY, BY KIND, QUANTITY, AND COST, FOR THE UNITED STATES, THE COTTON-GROWING STATES, AND THE NEW ENGLAND STATES: 1929, 1927, AND 1925

[The difference between the sum of the costs of the several kinds of materials shown in this table and the total cost of materials as given in Tables 1 and 2 is due to the fact that this table covers only certain specified materials, whereas the others cover all materials]

		UNITE	D STATES			OTTON-GRO	WING STATES	1		NEW ENGL	AND STATES	
KIND	102	19	1927	1925	102	9	1927	1025	10	20	1927	1926
	Pounds	Cost	Pounds	Pounds	Pounds	Cost	Pounds	Pounds	Pounds	Cost	Pounds	Pounds
Raw cotton, total	3, 370, 296, 678	Dollars 681, 849, 245	3, 539, 065, 954.	3, 000, 380, 083	2, 580, 272, 417	Dollars 508, 028, 124	2, 001, 064, 374	2, 075, 355, 534	697, 593, 144	Dollars 156, 144, 416	820, 697, 182	850, 380, 527
Domestic, total	3, 216, 672, 753	641, 837, 436	3, 395, 775, 080	2, 922, 430, 667	2, 567, 376, 692	502, 484, 507	2, 566, 848, 750	2, 065, 407, 032	577, 949, 044	125, 096, 802	723, 542, 079	733, 192, 503
Long-staple Short-staple	468, 883, 056 2, 747, 789, 607	108, 280, 700 533, 547, 727	488, 967, 465 2, 906, 807, 615	498, 761, 410 2, 423, 660, 248	230, 035, 854 2, 337, 340, 838	53, 037, 674 449, 446, 803	194, 954, 259 2, 371, 894, 491	195, 701, 195 1, 869, 705, 837	226, 404, 105 351, 484, D30	52, 703, 702 72, 393, 100	274, 462, 790 449, 079, 289	286, 773, 080 446, 419, 423
Foreign, total	153, 623, 925	40, 011, 809	143, 200, 874	143, 059, 016	21, 895, 755	5, 543, 557	34, 815, 624	9, 948, 502	110, 644, 100	31, 047, 614	07, 155, 103	117, 197, 024
EgyptianOther	117, 737, 884 35, 886, 041	33, 578, 282 6, 433, 527	110, 876, 260 32, 414, 614	100, 303, 632 43, 655, 384		4, 662, 348 881, 200			89, 608, 733 29, 945, 367	25, 685, 737 5, 361, 877	71, 344, 171 25, 810, 032	77, 534, 602 30, 662, 422
Linters	89, 646, 707	5, 678, 094	55, 878, 687	38, 705, 218	28, 203, 417	1, 237, 012	7, 498, 738	1, 388, 970	(2)	(2)	(2)	(2)
chased Raw silk Other fibers	144, 855, 966 48, 974 15, 187, 861	158, 697	1, 255, 668	2, 386, 476			93, 808	286, 158	28, 902, 192 48, 974 3, 802, 999	158,607	1,101,860	1, 479, 985
Yarns, purchased, total	182, 876, 640	114, 253, 580	185, 031, 301	175, 599, 191	65, 494, 740	34, 282, 000	47, 071, 053	44, 160, 041	60, 001, 226	55, 241, 500	73, 230, 618	60, 418, 343
Cotton Silk Rayon Other yarns	145, 824, 401 1, 437, 310 31, 581, 853 4, 033, 010	40, 437, 680	1, 785, 518 26, 586, 200	14, 335, 341	304, 803 8, 204, 611	10, 357, 852	141, 618 7, 056, 644	3, 252, 940	1,063,232 20,497,748	23, 100, 20; 3, 030, 78; 26, 470, 85; 2, 531, 65;	1,547,534 17,706,121	1,820,674 8,569,767

¹ Alabama, Arkansas, California, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia, ³ Withheld from publication to avoid disclosing consumption by individual establishments.

# TABLE 6.—COTTON GOODS—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY, BY KIND, QUANTITY, AND COST, BY STATES: 1929

[The difference between the sum of the costs of the several kinds of materials shown in this table and the total cost of materials as given in Tables 1 and 2 is due to the fact that this table covers only certain specified materials, whereas the others cover all materials]

STATE		RAW CC	TTON	on an anti-militar individual individual of the an individual of the anti-military individual indiv		
STATE	Don	iestle	For	olgn .	COTTON WAS	te puichased
United States.	Pounds 3, 210, 672, 753	Cost \$041, 837, 430	Pounds 153, 523, 925	Cost \$40,011,800	Pounds 144, 855, 000	Cost \$13, 1103, 413
Alabama Connecticut Georgia Indiana	594, 547, 904 7, 800, 844	57, 172, 949 9, 443, 054 114, 368, 515 1, 497, 440	11, 803, 702 (¹)	3, 680, 532 (1)	19, 052, 020 3, 034, 115 24, 119, 803	2,431,254 350,070 2,807,766
Maine	54, 310, 946	11, 324, 535 2, 493, 591	(1)	(1)	3, 033, 023	470, 688
Massachusetts. Mississippi Now Hampshire. New York.	17, 617, 903 95, 988, 218	08, 180, 807 3, 283, 548 19, 871, 501 0, 548, 094	7, 963, 273 4, 569, 986	18, 394, 057 1, 024, 674 1, 084, 551	10, 394, 528 (1) 23, 157, 797	1, 355, 883 (1) 1, 300, 505
North Carolina Penusylvania Rhode Island	772, 350, 434 6, 226, 433 68, 390, 921	153, 508, 155 1, 177, 406 15, 707, 047	10, 258, 571 32, 136, 612	2, 488, 170 0, 748, 908	8, 105, 461 (1) 648, 398	952, 919 (1) 93, 208
South Carolina	74, 303, 402 57, 417, 652	127, 253, 335 15, 003, 783 10, 178, 858	(1)	(1)	2, 340, 047	334, 521 (¹)
VirgininOther States	57, 327, 490	11, 405, 996 13, 737, 832	21, 409, 809	2 5, 981, 917	1 44, 668, 974	2 3, 806, 590

See footnotes at end of table.

TABLE 6.—COTTON GOODS—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY, BY KIND, QUANTITY, AND COST, BY STATES: 1929—Continued

[See note at head of this table]

		,	FIBERS OT	HED THAN		YARNS PUI	CHASED					
STATE	LINT	TERS	COT		Oot	ton	Otl	her				
United States	Pounds 89, 646, 707	Cost \$5, 678, 004	Pounds 15, 236, 835	Cost \$2, 275, 554	Pounds 145, 824, 461	Cost \$63, 874, 173	Pounds 37, 052, 188	Cost \$50, 370, 416				
Alabama Connecticut Georgia Indiana	(}	(1) (1)	(1) (1) (1)	(1) (1)	2, 508, 602 6, 955, 780 18, 888, 830	808, 539 3, 856, 032 6, 378, 453	(1) 2, 518, 274 252, 410	(1) 3, 681, 074 278, 883				
Maine					397, 305	181,694	2, 005, 905	2, 464, 569				
Maryland Massachusetts Mississippi New Hampshire New York	(1)	(1)	1, 140, 881	516, 084	993, 093 23, 168, 906	304, 412 11, 678, 614	41, 862 10, 570, 128	41, 985 14, 348, 650				
New Hampshire	9, 168, 555	655, 223	(1) 263, 824	(¹) 79, 337	2, 331, 931 1, 608, 596	880, 497 707, 851	1, 957, 666 330, 733	(1) 2, 213, 865 238, 757				
North Carolina Pennsylvania Rhode Island	(1)	(1)	1, 459, 268	284, 173	24, 500, 846 26, 855, 861 14, 190, 269	11, 235, 986 11, 924, 619 6, 593, 366	4, 872, 958 4, 109, 545 5, 750, 125	6, 006, 024 5, 441, 323 0, 304, 441				
South Carolina	(1)	(1)	8	(3)	6, 095, 589	2, 627, 760	3, 131, 073	4, 582, 137				
Tennessee	(1)	(1)	(1)	(1)	(1) (1) 704, 539	(1) (1) 251, 077	(3)					
Virginia. Other States	280, 478, 152	2 5, 022, 871	212, 366, 862	2 1, 895, 060	1 15, 064, 314	2 6, 286, 267	<b>1,426,909</b>	1, à\$7, 708				

Included in item for "Other States" to avoid disclosing consumption by individual establishments,

² See footnote 1.

TABLE 7.—COTTON YARNS (EXCEPT YARNS FOR SEWING THREAD AND FOR CROCHET, DARNING, HAND-KNITTING, AND EMBROIDERY COTTONS) USED AND COTTON YARNS PRODUCED FOR SALE, BY COUNTS, FOR THE COTTON-GROWING STATES, THE NEW ENGLAND STATES, AND OTHER STATES: 1929, 1927, AND 1919

[No data in regard to consumption of yarns by counts were collected for 1925, 1923, or 1921]

SECTION	Total	20s and under	21s to 40s	41s to 60s	61s to 80s	81s to 100s	101s to 120s	121s and over	Unclassi- fled
United States:									
Yarns used— Produced for own consumption—	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1929 1927	9 960 014 197	1, 111, 801, 684 1, 188, 684, 745	999, 038, 909 990, 951, 687	122, 507, 341 126, 528, 868	19, 620, 400 13, 104, 849	6, 642, 454 5, 669, 374	342, 667 606, 448	00, 682 31, 992	1, 433, 125
1919	2, 327, 011, 088 1, 728, 820, 022	827, 960, 647	799, 071, 278	70, 328, 307	12, 168, 672	8, 416, 513	1, 543, 571	331, 034	1, 100, 120
1929	136, 651, 085	74, 599, 742	50, 405, 518	8, 683, 162	1, 888, 240	1,054,037	12, 176	8,210	
1927Yarns produced for sale—	141, 038, 519	72, 540, 043	. 56, 674, 610	9, 500, 307	1, 306, 933	871, 295	107, 671	37,660	
1020 1927	627, 504, 927 649, 666, 256	306, 664, 734 335, 139, 694	203, 748, 152 235, 370, 318	49, 270, 203 53, 072, 548	20, 600, 135	4, 307, 401	1, 230, 368 728, 842	56,099 10,983	41, 528, 835
1919	018, 034, 098	294, 769, 742	203, 660, 295	45, 600, 595	21, 870, 437 11, 003, 926	3, 973, 434 2, 385, 486	590, 207	23, 757	
Cotton growing States: Yarns used—									Total of Contract
Produced for own consumption—									
1927	1, 725, 862, 727 1, 683, 750, 614	939, 167, 302 967, 297, 667	743, 191, 756 681, 204, 169	39, 159, 442 29, 686, 488	3, 142, 792 5, 056, 079	1,098,878 499,162	102,557		
1919	992, 393, 711	584, 425, 098	303, 329, 145	13, 531, 471	1, 107, 997				
1929	56, 631, 903 39, 975, 655	31, 261, 508 10, 929, 918	20, 575, 183 17, 395, 032	3, 988, 917 2, 587, 254	183, 692 54, 459	620, 000	2,603		
1927 Yarıs produced for sale—	50, 970, 000	14		' ' '	•	1	i '	1	
1927	546, 318, 007	275, 214, 369 291, 001, 249	103, 480, 533 187, 694, 109	41, 529, 673 44, 632, 208	19, 327, 995 20, 159, 023	2, 966, 966 2, 391, 922	828, 785 439, 496	l	29, 244, 615
1919	359, 003, 634	210, 604, 312	110, 575, 985	21, 133, 474	7, 353, 996		335, 887		
New England States: Yarns used—		·							
Produced for own consumption— 1929	466, 914, 398	194 415 504	220, 054, 373	67 144 105	10 455 055	F F (0 F0W	010.110	40.400	
1027	565, 861, 163	134, 415, 564 179, 817, 599	275, 361, 579	81, 144, 165 95, 398, 487	16, 455, 977 8, 048, 770	5, 543, 527 5, 170, 212	240, 110 599, 399	60,682 31,992	1, 433, 125
1910 Purchased 1—		199, 136, 684	376, 591, 384	65, 796, 836	11, 060, 675	6, 206, 983	1, 543, 571	331, 034	
1929 1927	39, 110, 973 45, 109, 876	14, 549, 052 17, 585, 195	19, 187, 612 20, 699, 048	3, 626, 207 5, 260, 252	1, 363, 963 769, 268	372, 594 690, 324	3, 335 68, 129	8, 210	
1927 Yarns produced for sale— 1929	89 761 981	24, 807, 243	1	7, 740, 530	1, 371, 140	1, 340, 435	1	1	
1027 1919	.1 84, 202, 506	98 885 520	37, 605, 455 44, 322, 180 127, 578, 605	8, 101, 787	1, 211, 178	1, 581, 512	401, 583 289, 340	45, 088 10, 983	1
	208, 984, 523	52, 523, 953	127, 578, 605	23, 280, 622	3, 216, 162	2, 087, 014	254, 410	23, 757	
Other States: Yarns used—	İ								
Produced for own consumption— 1920	67, 237, 012	38 218 818	26 702 780	2 203 734	21, 631	40		-	
1927 1919	77, 399, 311	38, 218, 818 41, 560, 479 44, 398, 865	26, 792, 780 34, 385, 939	2, 203, 734 1, 443, 893		.		.	
		11 ' '	29, 150, 749					, ,	i
Purchased — 1929. 1927. Yarns produced for sale—	40, 908, 209 55, 952, 988	28, 789, 182 35, 024, 930	10, 642, 723 18, 580, 530	1, 068, 038 1, 652, 801	340, 585 483, 206	61, 443 180, 909	6, 238 30, 612		
Yarns produced for sale— 1929— 1927————————————————————————————————————	12, 139, 699	6, 643, 122	1 '		l	.,	1 '		2, 834, 413
1927 1919	. 19, 145, 743 50, 065, 941	15, 452, 925 31, 641, 477	2, 662, 164 3, 354, 029 16, 505, 725	338, 553 1, 186, 499	236 433, 768		.	.	2,004,410
	00,000,011	01,021,477	10, 000, 720	1, 100, 499	200, 708	200, 472			

¹ Not called for on schedule for 1919,

TABLE 8.—COTTON YARNS (EXCEPT YARNS FOR SEWING THREAD AND FOR CROCHET, DARNING, HAND-KNITTING, AND EMBROIDERY COTTONS) USED AND COTTON YARNS PRODUCED FOR SALE, BY COUNTS, BY STATES: 1929, 1927, AND 1919

[No data in regard to consumption of yarns by counts were collected for 1925, 1923, or 1921. Statistics are given for each State which can be shown separately without disclosing data for individual establishments, and for the remaining States in groups. Cortain of the States shown in combination with others, however, consumed larger amounts of yarn than some of those for which separate figures are given]

STATE	Total	20s and under	21s to 40s	41s to 60s	01s to 80s	81a to 100a	101s to 120s	121s and over	Unchas- sined
United States:				-				Pounds.	Pounda
Yarns used— Produced for own consumption— 1929	1 2.327, 011, 038	Pounds 1, 111, 801, 684 1, 188, 684, 745 827, 960, 647	Pounds 990, 038, 909 990, 951, 687	Pounds 122, 507, 341 126, 528, 868 70, 328, 307	Pounds 19, 620, 400 13, 101, 840	Pounds 0, 042, 464 5, 669, 374	Pounds   342,607   606,448	80, 682 31, 102 311, 034	1,435,12
Purchasod 1—	1,728,820,022	74, 590, 742 72, 540, 043	709, 071, 278 50, 405, 518 50, 074, 610	79, 328, 307 8, 683, 162 9, 500, 307	12, 168, 672 1, 888, 240 1, 300, 933	8, 416, 513 1, 054, 037 871, 295	1, 543, 571 12, 176 107, 671	8,210 87,660	1887 # 9 F - 1 - 1
1927	141, 038, 010	306, 664, 734		49, 270, 203 53, 072, 548	20, 690, 135 21, 370, 437	4, 307, 401 3, 973, 434	1, 230, 368 728, 843	56,000	Į
Y arms produced for sale— 1929	027, 504, 027 049, 666, 250 618, 034, 008	335, 139, 694 294, 769, 742	203, 748, 152 235, 370, 318 263, 660, 205	45, 600, 595	11,003,020	2, 386, 486	500, 207	23, 757	parenderes Regionage (vie
plama and Kentucky: Yarns used— Produced for own consumption—	GOV HOM MO	191 400 054	50 090 400	1 120 218					
1920	236, 527, 781 199, 207, 926 110, 146, 523	184, 402, 054 170, 185, 831 90, 750, 601	50, 989, 409 27, 608, 237 19, 386, 922		上級 龍泉 使用用 化月混凝塑 日本 在 龍 龍水 野 間 間 四森 田 西野 可 且 回 龍 東 野 間 間 四森 田 西野 町				
1027	1, 073, 850	972, 998 591, 460	1,705,873 482,390	301,050	19400 N M M M M M M M M M M M M M M M M M M				
Yarns produced for sale— 1929. 1927. 1919.	54, 104, 103 59, 266, 077 35, 543, 460	37, 494, 603 41, 392, 580 23, 160, 978	14, 174, 482 15, 084, 300 11, 384, 580	2, 124, 037 1, 511, 120 837, 130	400, 081 377, 978 180, 763	- 26 21 21 24 24 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	*** (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· 明尔西尔的特别产生 :全中年前不成務的资 文字表示的现在分类形式	714 - ANG VYM - 1444 A. 254 8258
Yarns used—						ļ			
1029	25, 607, 723 30, 380, 820 36, 583, 577	2, 373, 005 8, 527, 419 8, 574, 300	12, 926, 942 12, 263, 344 18, 908, 167	7, 201, 387 6, 870, 371 6, 444, 797	1, 841, 450 1, 300, 884 1, 853, 821	1, 175, 202 1, 142, 202 1, 201, 332	67, 023 169, 662 282, 240	10, 744 16, 878 128, 860	5 8 8 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Purchased 1— 1929	4, 687, 916 11, 997, 045	1, 977, 633 4, 210, 789	1, 788, 275 6, 863, 418	870, 440 891, 221	10, 200 22, 370	41, 193 247	220 	**************************************	. *** * * * * * * * * * * * * * *
Purchased — 1029 1027 Yarns produced for sale— 1920 1027 1019	10, 571, 663 7, 069, 838	1, 588, 920 1, 818, 490 3, 734, 670	7, 107, 252 4, 203, 741 6, 851, 558	010, 034 511, 621 2, 305, 702	28,608 13,008	831, 202 411, 624 845, 701	121,304 103,411 97,490	28, 410 8, 040 10, 828	245, (
Yarns used—		3,784,670	0,801,808	2,305,702	137, 748	940, 101	1 41,340	10,110	47 81 9 2 7 8 1
Produced for own consumption— 1929 1927	435, 035, 031 400, 820, 736 226, 759, 107	312, 622, 954 288, 846, 485 172, 556, 859	120, 493, 676 111, 053, 455 53, 869, 063	1,010,301 900,498 333,275	21, 300		2 日本年代公司 10 日本日本 10 日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本	工作 化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	2342.p.00
Purchased ! 1929 1927	18, 706, 202 6, 118, 907	15, 422, 802 3, 920, 995	3, 340, 379 2, 072, 816	24,505 111,096	1	1	医人名英格雷尔 医克尔氏管 化异甲基苯甲基甲基甲基甲甲基甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲	1	1
Produced for own consumption— 1020	107, 036, 028 108, 277, 114	87, 600, 554 87, 627, 158 65, 121, 241	16, 725, 652 20, 640, 056 11, 532, 668			**************************************		内面 医朗罗斯克数尺数 医新生生心医斯勒斯罗	2, 704,
laine: Yarns used—	76, 653, 909	05, 121, 241	11, 532, 668	**********	******************	a 斯 神 独 a a a	<b>。 三种河镇附高祖</b> 华敦河东北		e as गण्याम का <b>स</b>
Produced for own consumption— 1929	L 87 679, 600	13, 058, 811 25, 737, 008	24, 813, 970 29, 173, 501	4, 350, 355 2, 653, 650	810,847 215,381		2	2 m +2 x 22 4 - 2 4 +	B 20 F F B B B B B B
1919	63, 267, 166 414, 816 727, 805	15, 253, 588 259, 802	47, 157, 147 154, 240	708	200, 326	i	在 医脊髓性 化分子 化含物 學問題 医脊髓性 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤	1	1
1927. Yarns produced for sale— 1929. 1927.	7, 219, 702	2, 788, 253 2, 705, 186 4, 220, 885	55, 087 4, 308, 041 2, 046, 010 3, 071, 828	62, 024 53, 574 401, 446	1, 923 9, 161 11, 598	1	*********	****	*************
1919 Iassachusetts: Yarns used—	8, 734, 116	4, 220, 885	3, 071, 828	630, 403	6,000	*************			
Produced for own consumption— 1020——————————————————————————————————	256, 573, 274 309, 546, 800	50, 044, 743 67, 963, 182	133, 973, 702 164, 827, 291 206, 200, 543	51, 831, 735 06, 972, 833	0, 937, 256 4, 974, 590 0, 753, 844	3, 987, 700 2, 946, 225	157, 228 414, 700	40, 010 14, 848	1,433,1
1919 Purchased 1— 1929	361, 848, 884	97, 076, 090		47, 200, 613	1, 111, 887	2,004,763 151,218	314, 540	89, 583	**************************************
Yarns produced for sale— 1929	16, 202, 004	9, 928, 218	8, 828, 914 7, 425, 874 15, 560, 118	2, 121, 742 2, 447, 200 4, 028, 413	1, 001, 715	213, 701 412, 358	153, 570	1,600	7,736,1
1927 1919 ew Hampshire:	51,458,157	14, 810, 500 37, 496, 644	15, 560, 118 29, 434, 158 95, 950, 360	4, 028, 413 5, 802, 067 18, 055, 387	800, 701 2, 840, 501	482, 647 341, 148	62, 075	*** * * * * * * * * * * * * * * * * *	新聞 新((2014)) 建盐
Yarns used— Produced for own consumption— 1929		40, 210, 525 67, 834, 608	28, 338, 723 28, 073, 715	1, 764, 967	22, 743	17, 982	*********	13.000	******
1927	100 187 550	08,999,148	30,001,818	1, 254, 838 200, 054	22, 743 59, 701 25, 930		*****************	*******	OF NOT OF SERVICE
Purchased — 1929 1927 Yarns produced for sale— 1920	2,143,860 2,444,412	11	1, 825, 873 1, 630, 965	20, 710 138, 728	į.	li .	**************************************	1	1
1920 1927 1919	7, 514, 947	7, 990, 514 6, 187, 358 866, 294	4, 368, 401 1, 247, 376 3, 253, 862	80, 213 101, 727		**********	**************************************	******	*****

Table 8.—COTTON YARNS (EXCEPT YARNS FOR SEWING THREAD AND FOR CROCHET, DARNING, HAND-KNITTING, AND EMBROIDERY COTTONS) USED AND COTTON YARNS PRODUCED FOR SALE, BY COUNTS, BY STATES: 1929, 1927, AND 1919—Continued

[See note at head of this table]

STATE	Total	20s and under	21s to 40s	41s to 60s	61s to 80s	81s to 100s	101s to 120s	121s and over	Unclas- sifted
North Carolina: Yarns used—									
Produced for own consumption—	Pounds 354 790 502	Pounds 251	Pounds	Pounds 0.080.407	Pounds 422 761	Pounds	Pounds	Pounds	Pounds
1927 1919 1919 Purchased 1—	354, 790, 502 874, 004, 133 227, 738, 577	203, 594, 251 201, 364, 919 132, 851, 730	144, 683, 993 168, 850, 533 94, 060, 680	0, 089, 497 4, 654, 074 826, 167	422, 761 1, 134, 607				
Purchased 1—	,		· ·		168 995	620,000			
1020 1027 Yarns produced for sale—	25, 202, 332 23, 772, 050	11, 593, 156 12, 220, 651	11, 598, 487 10, 714, 960	1, 222, 364 824, 306	168, 325 3, 141	62	8,030		
1929	312, 167, 715 300, 595, 486 199, 191, 556	119, 599, 589 132, 642, 945 97, 637, 173	113, 586, 837 113, 068, 473 77, 953, 860	32, 945, 950 35, 496, 357 10, 551, 882	17, 323, 888 16, 842, 004 6, 712, 754	2,790,601 2,149,559	778, 785 396, 148	11,011	25, 131, 0
1919Rhode Island:	199, 191, 556	97, 637, 173	77, 953, 860	16, 551, 882	0, 712, 754		335, 887		
Yarns used— Produced for own consumption—									ĺ
1007	58, 963, 087	10, 128, 480 9, 755, 382	28, 269, 591 38, 236, 261 62, 626, 490	14, 117, 400 16, 322, 877	6, 071, 254	360, 475 676, 000	15, 859 15, 031	28 266	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1919	66, 368, 150 85, 747, 065	8, 313, 263	62, 626, 490	10, 190, 367	1, 362, 338 2, 226, 754	1,730,818	546, 782	112, 591	
1910	13, 386, 974 13, 640, 868	5, 766, 585 6, 321, 100	6, 590, 304 4, 723, 104	612, 538 1, 682, 387	220, 434 400, 818	180, 243 475, 290		7,870 37,660	
Yarns produced for sale-	' '		l			· '		1	1, 469, 3
1920 1927 1919	12, 210, 832 12, 150, 804 28, 225, 091	2, 511, 340 3, 103, 977 6, 699, 460	6, 201, 043 6, 609, 462	1, 158, 930 1, 303, 540	331, 656 319, 871	396, 712 687, 241 1, 400, 165	126, 700 123, 860	15,060 2,943 11,258	1, 100, 0
South Carolina:	20, 220, 001	0, 090, 100	17, 550, 997	2, 197, 313	223, 858	1, 100, 100	142, 040	11,208	
Produced for own consumption—	E14 010 099	107 990 079	984 809 091	00 000 757	0.718.470	1 007 090	100 557		
1927	514, 618, 933 506, 347, 438 808, 802, 108	127, 230, 973 167, 348, 421 102, 061, 226	354, 583, 931 312, 823, 238 158, 535, 946	28, 888, 757 21, 769, 396 12, 097, 020	2,715,479 3,900,172 1,107,997	1, 097, 236 499, 162	7, 040		
1029. 1027. 1919. Purchased !— 1929. 1927. Yarns produced for sale— 1029. 1027. 1019.	7 042 600			1 .	238		D 609		1
Verns produced for sale—	7, 043, 620 6, 063, 379	1,772,723 1,816,788	2, 929, 870 2, 643, 421	2, 338, 186 1, 596, 852	6, 318		2, 00a		
1029	36, 192, 428	20, 715, 519 18, 519, 731 16, 389, 269	12, 104, 866 31, 687, 743 10, 244, 700	2, 732, 234 3, 638, 843 3, 193, 584	613, 444	26, 365			
1019 Pennessee:	55, 423, 503 29, 842, 984	16, 389, 269	10, 244, 700	3, 193, 584	1, 577, 186 15, 431				
Tennessee: Yarns used— Produced for own consumption— 1929 1927 1919 Purchased !— 1920				:	i vist P				Į
1929	31, 866, 433 37, 075, 788	9, 650, 176 24, 517, 603	22, 035, 013 12, 349, 185	175, 050 209, 000	4, 552	1,042			
1919 Purchased 1—	21, 797, 139	15, 058, 918	6, 738, 221	200, 000					
Purchased I— 1020. 1927. Yarns produced for sale— 1920. 1927. 1919.	563, 600 1, 096, 150	350, 500 1, 094, 250	190, 000 1, 000	23, 100					
Yarns produced for sale—	1,080,150	1)	1	0 707 460	1	150.000		]	
1927	18, 234, 975 18, 336, 707 10, 398, 809	6, 767, 421 7, 070, 629 3, 221, 965	5, 143, 284 5, 632, 624 6, 160, 927	3, 727, 452 3, 985, 888 550, 869	980, 682 1, 361, 855 465, 048	150, 000 242, 363	43, 348		
Texas: Yarns used— Produced for own consumption— 1929——————————————————————————————————	10, 300, 300	0, 221, 900	0, 100, 027	000,000	100, 046				:
Produced for own consumption—	47 051 979	40.010.140	4 ADE 500			1			
1929. 1927. 1919.	47, 951, 878 53, 364, 152	43, 916, 149 46, 649, 445	4, 035, 720 6, 714, 707						
Purchased t—	25, 733, 692	21, 525, 276	4, 208, 416				1		
1927 Verne produced for colo	306, 723 150, 972	288, 864 44, 830	17, 859 106, 133						*****
1919	1,776,420	1, 607, 199 2, 950, 052	160, 218 423, 699						ļ
1919 New Jersey, New York, and Pennsylvania:	1,776,420 3,373,751 1,403,381	852, 794	610, 587						
Yarns used— Produced for own consumption—									ļ
1929	85, 227, 820 46, 680, 255 40, 649, 095	11, 671, 766 14, 848, 234 10, 965, 162	21, 500, 420 29, 388, 128 27, 474, 403	2, 033, 954 1, 443, 898	21, 631	49			
1910. Purchased ¹ — 1929. 1927. Yans produced for sale—	40, 649, 095	10, 965, 162	27, 474, 403	1, 440, 800		2, 200, 530			
1929	38, 406, 121 53, 344, 365	27, 157, 898 33, 527, 803	9, 773, 919 17, 579, 034	1,066,038 1,582,801	840, 585 443, 208	61, 443 180, 909	6, 238		
Yarns produced for sale— 1929	0.070 577	H '	1	1,582,801	443, 206	180, 909	30, 612	1 .	
1927 1919	9, 072, 577 16, 092, 557 40, 099, 862	0, 418, 220 14, 195, 665 28, 754, 855	2, 654, 357 1, 896, 892 15, 850, 088						l
Other States: 1 Yarns used—	40, 099, 802	28, 704, 800	15, 850, 088	762, 679	433,768	298, 472			
Produced for own consumption—	140 450 001	DA CON NO.	FD 000 010	0 000 000	<b></b>	. "	}		
1929 1927	140, 453, 684 148, 712, 528 115, 559, 350	84, 297, 797 95, 107, 208 83, 065, 517	52, 393, 810 50, 990, 032 30, 843, 462	2,995,650 2,168,682	706, 427 45, 881	405, 725			
1927 1927 1910 Purchased !— 1920		11	1.	1,370,300		280, 080			
1927 Yarns produced for sale—	4, 239, 495 4, 347, 062	2, 492, 561 1, 729, 062	1, 661, 519 2, 374, 908	78, 712 163, 092	6, 703 80, 000				
1929	6.066.800	1, 648, 386 2, 055, 414 7, 107, 514	1, 584, 001 1, 884, 876 2, 344, 280			J		j	1.
1927 1919	4, 279, 079	2, 055, 414	1,884,876	338, 553 423, 820	286		l		_,,

¹ Not called for on schedule for 1919. ² For 1929: Arkansas, California, Delaware, Illinois, Indiana, Louisiana, Maryland, Missouri, Mississippi, Ohio, Oklahoma, Vermont, Virginia, Wisconsin.

TABLE 9.—PRODUCING SPINDLES, ACTIVE AND IDLE, BY TYPE AND NUMBER, BY STATES: 1929, 1927, AND 1919

[Statistics are given for each State which can be shown separately without disclosing data for individual establishments. Certain of the "Other States," however, reported larger numbers of spindles than some of those for which separate figures are given]

				YEAR AN	D TYPE OF SPI	INDLE			
		1029			1927			1919	
STATE	Total	Ring	Mulo	Total	Ring	Mulo	Total	Ring	Mule
				ACTIVE SOM	IE TIME WITHI	N THE YEAR			******
United States	31, 583, 588	30, 181, 312	1, 402, 276	33, 607, 939	31, 963, 821	1, 644, 118	33, 718, 953	30, 578, 703	3, 140, 250
Cotton-growing States 1	18, 318, 642 12, 174, 353 1, 000, 503	18, 160, 606 11, 065, 375 055, 331	158, 036 1, 108, 978 135, 262	17, 756, 619 14, 564, 580 1, 286, 731	17, 701, 159 13, 124, 425 1, 138, 237	55, 460 1, 440, 164 148, 494	14, 568, 272 17, 542, 926 1, 607, 755	14, 437, 712 14, 063, 306 1, 177, 085	130, 560 2, 570, 620 430, 070
Alabama Connecticut Georgia Indiana Kontucky	1, 760, 628 1, 057, 804 3, 053, 154 70, 704 71, 480	1, 733, 268 775, 724 3, 020, 330 70, 704 71, 480	27, 360 282, 080 32, 824	1, 447, 441 1, 072, 872 2, 921, 849 70, 704 68, 792	1, 447, 441 768, 028 2, 895, 849 70, 704 68, 792	304, 844 25, 500	1, 108, 033 1, 256, 776 2, 450, 143 81, 256 85, 836	1, 106, 033 870, 510 2, 405, 333 81, 256 74, 916	2, 000 386, 266 53, 810
Maryland Massachusetts Mississippi New Hampshire Now Jorsey	74, 040 6, 975, 054 123, 000 1, 275, 155 320, 424	74, 040 6, 361, 844 123, 000 1, 263, 655 191, 670	013, 810 11, 500 128, 754	73, 704 8, 818, 981 160, 300 1, 207, 205 374, 407	73, 704 7, 001, 083 150, 300 1, 285, 705 225, 913	826, 008 11, 500 148, 491	117, 154 11, 200, 855 158, 802 1, 333, 797 402, 203	110, 014 9, 658, 340 158, 802 1, 322, 277 159, 841	0, 240 1, 548, 515 11, 520 242, 422
New York North Carolina Pennsylvania Rhode Island South Carolina	500, 636 6, 020, 134 58, 807 1, 888, 616 5, 580, 580	506, 036 5, 902, 142 52, 889 1, 607, 228 5, 571, 960	57, 092 6, 008 191, 388 8, 020	603, 644 6, 073, 027 80, 320 2, 200, 110 5, 422, 520	603, 044 6, 057, 410 80, 320 1, 042, 274 5, 418, 000	15, 608 200, 842 3, 020	741, 618 4, 622, 714 105, 830 2, 512, 283 4, 040, 226	604, 886 4, 504, 508 100, 328 1, 031, 324 4, 047, 065	76, 732 28, 206 89, 511 580, 959 1, 560
Tennessee	550, 310 245, 728 678, 560 1, 266, 078	525, 076 245, 728 678, 560 1, 255, 378	31, 240 10, 700	510, 472 254, 800 679, 280 1, 463, 999	500, 472 254, 800 678, 848 1, 434, 010	10, 000 432 29, 980	320, 337 131, 454 500, 280 1, 405, 388	311, 073 115, 054 560, 280 1, 397, 803	18, 264 15, 800 67, 525
				ווידי אגוחו	ROUGHOUT THE	C YEAR			
United States	1, 425, 735	1, 230, 777	194, 958	1, 692, 956	1, 430, 100	202, 760	612, 404	464, 136	148, 268
Cotton-growing States 1	172, 371 1, 105, 433 87, 031	160, 609 984, 821 76, 257	2, 072 180, 612 11, 674	110, 050 1, 517, 302 58, 005	115, 959 1, 280, 670 83, 567	1, 000 230, 722 25, 038	(3)	<b>(</b> )	(3)
Alabama	28, 696 5, 604 69, 920 743, 232 93, 347	28, 024 1, 428 60, 020 642, 172 93, 347	072 4, 176 101, 060	32, 310 40, 400 39, 233 1, 169, 511 80, 702	32, 316 10, 120 39, 233 997, 603 89, 792	30, 280 171, 908	7, 250 87, 078 20, 205 231, 240 0, 445	2, 656 64, 554 20, 205 105, 176 9, 445	4, 600 23, 424 36, 070
New Jersay New York North Carolina Pennsylvania	63, 088 12, 308 44, 977 12, 535	51, 414 12, 308 42, 977 12, 535	11, 674 2, 000	24, 877 25, 608 13, 970 6, 536	14, 063 11, 384 13, 370 6, 536	10, 814 14, 224 000	47, 270 30, 438 12, 957	9, 200 35, 838 3, 200	88, 010 3, 600 9, 757
Rhode Island South Carolina Tennesseo Other States ³	224, 370 23, 330 3, 858 100, 434	168, 700 23, 330 3, 888 80, 674	55, 616 19, 760	192, 208 13, 552 2, 908 101, 985	97, 674 13, 152 2, 068 101, 985	34, 534 400	54, 939 87, 612 3, 392 51, 666	27, 072 36, 512 3, 302 47, 826	27, 867 1, 100 3, 840

¹ For 1929: Alabama, Arkansas, California, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia.

² For 1929: Illinois, Indiana, Maryland, New Jersey, New York, Pennsylvania.

³ For 1929: Arkansas, California, Illinois, Louisiana, Maine, Missouri, Oklahoma, Vermont.

⁴ Figures not available.

⁵ For 1929: California, Maine.

TABLE 10.—DOUBLING AND TWISTING SPINDLES, ACTIVE AND IDLE, BY STATES: 1929 AND 1927

	ACT	TIVE	ID	LE		ACT	IVE	IDLE	
STATE	1029	1027	1929	1927	STATE	1929	1927	1929	1927
United States  Cotton-growing States  Now England States  Other States  Alabama  Connecticut  Georgia  Kontucky  Maryland  Massachusetts  Missouri	127, 590	2, 817, 032 1, 514, 190 1, 005, 130 238, 000 116, 606 116, 289 301, 732 3, 384 17, 996 001, 936 1, 404	303, 353 32, 840 241, 431 80, 073 1, 920 3, 104 16, 602 706 134, 916	36, 522 285, 007	New Hampshire. New Jersey New York North Carolina Pennisylvania. Rhode Island. South Carolina Tennessee Texas. Virginia. Other States	50, 172 156, 300 19, 005 744, 185 4, 382 233, 821 108, 542 50, 742 6, 140 7, 424 53, 940	37, 905 172, 611 28, 276 784, 807 8, 567 208, 883 150, 057 57, 808 10, 624 7, 420 63, 418	7, 942 80, 704 6, 449 0, 305 1, 920 92, 295 3, 744 100 100 2, 900 4, 526	0, 051 04, 301 5, 902 9, 062 20 100, 203 2, 840 204

For 1926: Alabama, Arkansas, California, Georgia, Kontucky, Louisiana, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia.
 For 1929: New York, Maryland, Ohio, Pennsylvania, Wisconsin.
 For 1929: Arkansas, California, Louisiana, Maine, Ohio, Oklahoma, Vermont, Wisconsin.

TABLE 11.—SPINNING MILLS, WEAVING MILLS, AND MILLS WHICH DO BOTH SPINNING AND WEAVING, BY NUMBER AND CAPACITY, BY STATES: 1929, 1927, AND 1919

		Cen- sus year		SPINNING AND WEAVING MILLS			SPINNING MILLS		WEAVING MILLS		Number of estab-
STATE			Number of establish- ments	Number	Capac Number of spindles	Number of looms	Number	Capacity (number of of spindles)	Number	Capacity (number of of looms)	lishment having n- spindles or looms for spin- ning or weaving
United States		1929 1927	1, 281 1, 347	652 665	26, 612, 209 28, 553, 892 27, 050, 718	631, 310 690, 257	341 387	6, 397, 114 6, 747, 003	207 220	22, 357 24, 789	8 7
Cotton-growing States		1919	1, 288	632 473	23, 505, 602 27, 050, 718 14, 202, 591	673, 017 344, 066	293	7, 280, 639 4, 288, 422	181	19, 152 0, 153	(
Cutton-growing Scates	******	1927 1919	821 834 714	466 386	13, 662, 719 11, 260, 013	337, 400 283, 714	328 313	4, 210, 859 3, 440, 900	31 10	4, 578 1, 931	
New England States		1929 1927 1919	259 302 346	150 175 214	11, 655, 738 14, 000, 901 14, 827, 162	268, 404 334, 301 369, 036	38 46 66	1, 684, 048 2, 081, 080 3, 101, 412	36 52 34	5, 113 7, 259 4, 676	
Other States 1		1929 1927	201 211	20 24	753, 880 800, 272 903, 543	17, 940 18, 556	10 13	424, 644 455, 064 738, 327	129 137	11, 001 12, 957	
.labama	*****	1010	228 83 68	32 54 37	1, 360, 764	20, 267 32, 367	26 31	428, 560	(2)	12, 545 (²)	
Arkansas		1927 1919	58	30	1, 071, 242 845, 087	25, 731 19, 738	27	408, 515 271, 102	( ² )	(2)	
California		1929	8	3	27, 978 49, 848 52, 048	601 837	(2)	(2)	(2)	(2)	
Donnecticut		1927	33	3 13	785, 804	580 18, 902	8	277, 604	8	1, 434	
Jeorgia		1927 1919	35 47	17 27	887, 730 1, 000, 424	20, 754 24, 710	7 11	225, 536 284, 330	8 5	i, 282 820	
		1929 1927 1919	137 139 132	94 90 82	2, 543, 456 2, 407, 712 1, 911, 290	56, 704 55, 622 40, 258	36 89 47	579, 618 552, 870 577, 058	(2) (3)	(2) (2) (2)	
ndiana	*******	1929 1927 1919	3 3 4	3 3 4	70, 704 70, 704 86, 704	1, 812 1, 812 2, 110				~~~~~~~~	
faryland	**********	1929 1927 1919	9 8 14	4 4 6	74, 040 74, 088 117, 154	980 1,009 1,421			5 4 7	201 143 1, 106	
Anssachusetts		1929 1927 1919	135 163	88 97	6, 855, 078 8, 748, 032	155, 388 203, 377	21 28 39	863, 808 1, 240, 460	15 22 17	1, 518 2, 012	
Aississippi		1929 1927	191 10 14	114 8 12	9, 802, 859 117, 416 166, 464 187, 764	223, 980 3, 392 4, 580	(2)	2, 135, 242 (2) (2)	(2)	1, 309 (²) (²)	
Vew Hampshire	70	1919	15	11 15		3, 883 28, 075	8	33, 776			
		1927 1919	16	18 13	1, 368, 502 1, 370, 353 1, 326, 598	83, 813 39, 747	8	(2) (2)			
New Jersey		1929 1927 1919	28 25 33	(2) 3	(2) 54, 684 87, 685	(²) 2, 123	3 4 4	328, 828 347, 708 361, 848	21 19 21	1, 267 1, 947 2, 142	
New York	*******	1929 1927 1919	32 35 37	6 8 6	459, 688 558, 716 509, 812	10, 363 11, 288 11, 020	4 5 11	59, 256 70, 536 231, 806	8 11 10	650 980 1,010	
North Carolina		1929 1927 1919	351 374 311	136 142 107	3, 331, 663 3, 370, 187 2, 625, 504	81, 384 84, 788 70, 874	193 212 199	2, 733, 448 2, 716, 810 2, 136, 648	20 18 4	3, 342 3, 304 604	
Pennsylvania		1929 1927 1919	94 107 118	3 4 8	69, 532 84, 876 97, 200	2, 018 1, 981 2, 900	(2)	(2) (2) (2) 111, 506	85 95 95	8, 679 9, 671	
Rhode Island		1929 1927 1919	55 66 74	29 32 43	1, 605, 112 1, 777, 640	39, 658 45, 192	7 8	507, 880 563, 684	11 19	8, 153 2, 101 3, 880	
South Carolina		1929 1927	159 163	130 129	1, 908, 834 5, 355, 674 5, 157, 322	48, 473 132, 614 128, 063	21 27 22	658, 388 248, 236 278, 756 236, 330	12 8 7	2, 448 752 554	
rennessee		1919 1920 1927	145 20 21	120 8 9	4, 750, 507 315, 692 332, 308	115, 890 8, 385 8, 269	11	244, 512	(2)	(2) (2) (2)	
Texas		1919	16	7	206, 771	5, 209 5, 471 5, 710	(2)	187, 132 125, 958	(3)		
		1927 1919	26 15	23 22 14	230, 480 225, 296 121, 358	5, 638 8, 535	(2)	(2) 31, 268 (2)			
Virginia		1929 1927 1919	9 11 10	8 9 9	678, 560 679, 280 554, 680	18, 630 19, 032 13, 325	(2)	(2)	(3)	(2) (2)	
States not shown soparately		1929 1927 1919	65 68 52	21 28 26	1, 257, 534 1, 519, 888 1, 500, 487	31, 880 38, 728 37, 550	1 11	125, 364 123, 728 116, 557	21 17 10	2, 085 1, 007 1, 401	

¹ For 1929: Delaware, Illinois, Indiana, Maryland, Michigan, New Jersoy, New York, Ohio. Pennsylvania. Wisconsin. ² Included in "States not shown separately" in order to avoid disclosing data reported by individual establishments.

TABLE 12.—ACTIVE LOOMS, BY TYPE AND NUMBER, BY STATES: 1929 AND 1927

				\$	U	OTTON C	<i>t</i> Ut	אָעני	•			
r sotate rould O	28, 395 30, 839	24, 226 27, 750	4, 475 2, 010	1,590 1,959 1,959 2,28 2,354 354	19, 751 25, 740	7, 474 10, 630 2, 180 1, 208 9, 757 13, 902	4, 094 3, 033	1,819	1, 349 877 30 53 53 65 60 60 209	2, 275 2, 182	314 786 975 868 650 8347 181	75
ninigriV	18, 716 18, 976	14, 737 14, 735	1,889	1, 615	14, 247 12, 846	10, 645 10, 036 1, 416 1, 299 1, 299 482 35 912	3 979 4, 241	1,023	276 140 480 160 65 202 4	2, 956 3, 937	1, 396 2, 290 2, 258 2,	
Toxas	5, 696 5, 638	5, 432 5, 475	2,097	1, 597 1, 689 1, 689 20 500 108 185	3, 335	1,961 2,275 313 212 876 986 185	163	15	13.5	147 145	147	12
т,описаво	8, 653 8, 528	6, 313 6, 160	2, 298	2,298	4, 015 6, 160	2, 111 4, 061 729 729 1, 175 1, 370	2, 340 2, 368	54.8	252 252 25	1, 900 2, 283	298	
BuiloraD utinoB	132, 772 128, 547	119, 092 113, 975	25, 244 11, 395	15,167 7,848 3,475 2,880 7,119 650 483 17	92, 848 102, 580	77,875 83,037 902 1,794 12,718 17,655 1,353	13, 678 14, 572	6,041	2,662 3,246 3,246 105 105 105 105	7, 637 9, 590	5, 765 8, 555 1, 598 734 274 194	2
bnaleI ebouli	40, 127 47, 146	29, 198 32, 350	12, 611 5, 263	8, 733 3, 139 13 3, 861 1, 897 227	16, 587 27, 087	11, 611 17, 660 2, 342 4, 976 6, 941 144	10, 929 14, 713	5, 504 9, 400	2, 741 1, 580 1, 560 3, 492 414 789 2, 436	5, 425	1, 990 1, 553 1, 553 600 458 1, 424 1, 141	11
Pennsylvania	8, 420 10, 105	3,848	1, 864 2, 063	189 348 348 102 102 425 425 962 986	1,984	1, 309 1, 340 1, 340 21 673 673 70	4, 558 5, 661	3,774	256 1, 257 1, 783 1, 029 1, 229 1, 377 1, 893	784 494	18 240 232 232 242 242	231 14 38
Morth Oarollua	81, 648 86, 783	61, 631 64, 090	12, 446 9, 982	3, 639 2, 245 2, 245 3, 601 1, 37 2, 599 2, 599	49, 235 54, 108	28, 652 30, 969 30, 969 11, 462 11, 218 3, 736 3, 600	19, 927 22, 689	5,146 8,172	1,516 5,301 7,23 5,301 5,23 5,12 5,12 5,12 5,12 5,12	14, 781 14, 517	7, 008 6, 753 1, 753 1, 746 1, 446 1, 458	4
Дом Хогк	9,894 12,082	8, 124 9, 107	313	167 215 10 10 9 16 30 30	7, 931 8, 794	3, 734 3, 446 4, 125 5, 335 13	1,770	1,004	657 492 45 38 38 156 156 146 266	2, 129	2, 079 8 8 8 8 48 39	
Wow Jersey	4, 118 3, 486	1,725	515	1988 1988 1988 1988 1988 1988 1988 1988	1, 176	1,032 1,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037 2,037	2,393 2,502	1, 033	528 48 28 24 14	1,986 1,469	1, 652 1, 465 1, 465 12 12 322	24
Mow Hampshire	25, 605 26, 591	22, 208 22, 814	2, 528 3, 438	18 602 490 2, 419 1, 014 1, 006	19, 680 19, 376	8,535 8,635 8,635 12,537 12,537 5,141 5,069	3, 774	2, 381	1, 245 1, 245 1, 245 256 256	2,013	1,1,1 156,28 12,14 14,14	mm
iqqississiM	3,457	2, 980 3, 902	216	85 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2, 774 3, 070	1.2 2.22 2.22 4.76 8.83 8.83 8.83 8.83	454	28.77	ω     ;       <u> </u>	32.52	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
sttosnriossanM	136, 444	85, 210 122, 164	41, 593	25,247 2,103 2,103 2,882 882 883 883 883 883 883 883 883 883	43, 617 32, 687	83,4,2,2,4,4,2,2,2,4,4,2,2,2,2,4,4,2,2,2,4,4,2,2,2,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4	45, 528 53, 513	32, 793 40, 283	6,8,7,8,4,4,1,1,2,8,2,4,8,8,3,3,4,8,8,3,3,4,8,8,3,3,3,3,3,3,4,8,8,3,3,3,3	12, 735		5,700 5,779 6
Maryland	1, 136 1, 105	951	<b>B</b> [:	22 158 25 25 25 25 25 25 25 25 25 25 25 25 25	310 170	254 116 8 8 8 44 44 44	74	7.E	그			HH
жоп‡порс <b>х</b>	1,470	1, 384 1, 376	1, 037	1,037	347	2	88	8	20	84	88	
Budibul	1,812 1,812	1,812			1,812	1, 288 888 888 888 888 888 888 888 888 888						
Georgia	55, 011 53, 708	49, 108 46, 931	11, 445	3, 1972 1, 588 1, 6172 1, 6172 1, 6172 1, 6172	37, 663 41, 284	24, 120 19, 879 1, 872 11, 622 17, 525 1, 459 2, 008	5, 902 5, 460	1,891	88 88 88 88 88 88 88 88 88 88 88 88 88	4,331	3,423 5,621 5,621 5,632 5,632 112 113	1, 316
Connocticut	19,068 21,880	14, 187 16, 677	4, 884 5, 691	1,1, %, 4, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	9, 303 10, 986	3, 245 1, 672 6, 058 9, 314	4, 881 5, 203	3, 642	244 + 2584884851 268488851	1, 239	203 203 203 204 205 205 205	
BatadafA	32, 925 25, 610	31, 427 25, 116	1, 373	2,910	30, 054 22, 206	25. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20	1,496	597 124	372 124 145 80	899 078	85.0 85.0 85.0 85.0 85.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86	8
United	616, 277 670, 068	483, 653 520, 506	126, 984 125, 233	61, 859 69, 130 69, 130 11, 423 45, 911 36, 189 7, 941	356, 669 395, 273	221,884 13,340 11,543 111,136 10,309 14,074	126, 658 141, 884	66, 636 78, 944	34, 245 37, 226 37, 226 21, 091 26, 403 5, 246 6, 681 8, 654 8, 634	60, 022 62, 940	34, 457 40, 154 15, 154 15, 135 15, 135 3, 546 4, 105 4, 105	5, 700 7, 337 286 341
Census	1929 1927	1929 1927	1929	1929 1927 1927 1927 1927 1928	1929 1927	1928 1927 1929 1929 1929 1929 1929	1929	1929	1922 1922 1922 1923 1923	1929 1927	1929 1927 1927 1929 1929 1929	1929 1927 1929 1927
TYPE	Looms, aggregate	Plain, total	Nonautomatic, total	2-barness, box	Automatic, total	2-harness, box	Fancy, total	Nonautomatic, total	Dobby, box	Automatic, total	Dobby, box	Not reported by type Webbing and ribbon looms

1 For 1929: Arkausas, California, Delaware, Illinois, Louisiana, Maine, Missouri, Ohio, Oklahoma, Vermont, Wisconsin.

TABLE 13.—IDLE LOOMS, BY TYPE AND NUMBER, BY STATES: 1929 AND 1927

					<del></del>													
Туре	Census year	United States	Alabama	Connecticut	Georgia	Maryland	Massachusetts	Mississippi	New Hampshire	New Jersey	New York	North Carolina	Pennsylvania	Rhode Island	South Carolina	Tennessee	Virginia	Other States 1
Looms, aggregate	1929 1927	37, 390 44, 978	538 121	1, 183 156	2, 021 2, 099	45 47	20, 462 23, 927	20 336	1,470 7,222	251 240	177 186	3, 078 1, 309	2, 277 1, 547	1, 682 1, 935	594 70	2 61	116	3, 640 5, 606
Plain, total	1929 1927	27, 381 35, 531	503 70	874 56	2, 003 1, 717	5 16	14, 993 18, 530	336	1,328 6,957	169 221	175 150	1, 924 963	1, 055 801	393 006	570 50	41	48	3, 389 4, 969
Nonautomatic, total	1929 1927	17, 795 20, 516	168 64	708 48	796 410	5	11, 218 11, 816	336	191 5, 877	157 107	15 90	809 850	535 484	385 264	316			2, 492 80
2-harness	1929 1927	8, 431 8, 246 2, 965	168	705	138 304	5	6, 622 6, 668		3	106	3	256 340	36	203				96
2-harness, box	1020	2, 965 6, 800			36		72	330	4,945	123 44 44	70	288 363	148 26	99	316			2, 219
More than 2-harness	1927 1929 1927 1929	4, 852 3, 834		3 8	658		1, 412 3, 821 2, 985		4, 515 6 456	7 30	12 20	40 145	36 .96	92 72				177 22
More than 2-harness, box.	1929 1927	1, 547 1, 636			70		703 751		182 476			225	437 240					
Automatic, total	1929 1927	9, 586 15, 015	335 6	106 8	1, 207 1, 307	16	3, 775 6, 714		1, 137 1, 080	12 24	160 60	1, 115 113	520 317	8 342	254 50	41	48	897 4,889
2-harness	1929 1927	5, 242	277		1, 207 802	16	2, 211 4, 407		550	12 24	160	125 49	461	8 8	154 50	;-	;;-	72
2-harness, box	1020	5, 242 5, 766 952 8, 375			60		4, 407 504 1, 270					118 12	4	200		1	15	72 826 330 1,829
More than 2-harness	1927 1929 1927	3, 111 5, 638	58 6	161	825		976 1, 033		542 1,080			720	59 313	74	100	40	33	495 2, 234
More than 2-harness, box.	1020 1027	281 236			120		84		45			152 52		60			~~~~	
Fancy, total	1929 1927	10, 000 0, 442	35 51	309 100	18 382	40 31	5, 469 5, 397	20	142 265	82 10	2 36	1, 154 340	1, 222 741	1, 239 1, 329	24 20	2 20	68	251 637
Nonautomatic, total	1929 1927	8, 075 7, 468		309 84	18 70	40 31	4, 654 4, 376		85 210	82 19	2 36	802 192	1, 083 741	739 1,096	14	20		247 584
Dobby	1029 1927	4, 333 3, 513		308 40			3, 822 2, 951			34 13		518 2	52 12	95 401				4
Dobby, box	1929 1927	1, 571 1, 946		31	45		636 872			3 2		161	397 92	824 208		10		50 514
Jacquard	1929 1927	441 645		1 1	25	20	124 201		44	16	34	82 42 05 81 43	140	4 70	14			514 100
Jacquard, box	1929 1927	1, 730 1, 364		12	18	40 11	572 352		85 175	20 20 2	2	81 43	188 494 454	816 237		10		93 66
Automatic, total	1929 1927	1, 934 1, 974	35 51	16	312		815 1,021	20	57 46			352 154	139	500 233	10 20	2	68	4 53
Dobby	1929 1927	917 952 449	34	16	310		540 567		43				48	250		2		
Dobby, box	1029	449 297	ī				140 298	20				114		13 170 4				4
Jacquard	1929 1927	201	51		2-		84 138		14			42 154	51	118	10 20		32	53
Jacquard, box	1929 1927	568 367 157					51 28					196	40	80 98			30	
Not reported by type	1927	Б											5					

¹ For 1929; California, Illinois, Louisiana, Maine, Texas, Vermont, Wisconsin.

Table 14.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE		1929	1	927	1	925	1	1919	1	1914	PER C DISTRIB OF RA HORSEP CAPA	UTION TED OWER
	Number	Capacity	Number	Capacity	Number	Capacity	Num- ber	Capacity	Num- ber	Capacity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate.	176, 516	Horse power 2, 269, 346	172, 002	IIorse- power 12, 328, 830	119, 110	Horse- power 2, 236, 363	41,004	Horse- power 1,838,208	12, 647	IIorse- power 1,563,823	100,0	100, 0
Prime movers, total	1,616	1, 039, 365	2, 200	11, 200, 916	2, 283	1, 310, 508	2,852	1, 320, 989	3, 153	1, 313, 803	45.8	71.9
Steam, total	838	771, 982	1,020	1 911, 994	1, 226	983, 536	1,622	1,013,146	1,827	008, 089	34, 0	55, 2
Engines. Turbines.	592 246	380, 669 391, 313	781 248	505, 763 1 406, 231	959 207	577, 611 405, 925	1,407 215	756, 073 257, 073	(3) (3)	(2) (2)	16.8 17.2	41, 2 14, 0
Internal-combustion engines Water wheels and water turbines	18 760	1, 602 265, 691	32 1,205	4, 823 203, 090	43 1, 014	5,821 321,151	30 1,200	2, 639 305, 204	41 1, 285	3, 501 312, 123	0.1 11.7	0, 1 10, 6
Electric motors driven by purchased energy.	174, 900	1, 229, 981	160, 826	1, 118, 914	116, 827	025, 855	38, 152	515, 309	0, 404	250, 020	54. 2	28, 1
Electric motors, total	240, 107	1,607,003	231,729	1, 569, 815	180, 005	1, 426, 956	61,455	801,609	18, 658	505, 659	100.0	100, 0
Driven by purchased energy Driven by energy generated in establish-	174, 900	1, 220, 981	100, 826	1, 118, 914	116, 827	925, 855	38, 152	515,300	9, 494	250, 020	76. 5	59. 8
ments reporting.	65, 207	377, 982	01, 903	450, 901	63, 178	501,101	23, 803	846, 300	9, 164	255, 530	23, 5	40, 2
Electric generators	721	Kilowatts 460, 930 Kilowatt-	843	Kilowatts 501, 342	001	Kilowatts 405, 262	(3)	(3)	(a)	(8)		
Electric energy purchased 4		hours 2, 740, 568, 535	** =* =====	(8)		(8)		(1)	********	(\$)		

TABLE 15.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, AND 1914, AND BY STATES, 1929

or minimum omploys	1	ino ngmas								****				
	Average			NUMBER	EMPLOYE	ON 18TH	DAY OF MO	NTH OR NI	CAREST RE	PRESENTA:	IVE DAY		· i	Per
STATE	number employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decom- ber	mini- mum is of maxi- mum
United States: 1929. 1925. 1919. 1914.	424, 916 445, 184 430, 966 379, 366	432, 027 453, 261 432, 978 880, 980	434, 780 455, 290 417, 786 388, 585	436, 956 457, 068 415, 000 387, 447	430, 697 454, 330 414, 718 386, 989	431, 291 448, 106 423, 295 384, 516	429, 157 439, 520 420, 213 380, 001	421, 050 420, 422 434, 345 375, 484	420, 552 486, 015 436, 312 360, 138	410, 449 426, 767 437, 375 360, 284	420, 121 444, 511 438, 711 371, 584	410, 507 453, 050 442, 252 374, 004	400, 300 457, 860 449, 007 375, 380	93, 0 93, 0 92, 4 94, 7
Alabama Arkansas California Connecticut Georgia	27, 724 617 1, 153 10, 789 55, 808	27, 820 458 1, 229 11, 090 56, 934	28, 230 511 1, 203 11, 071 57, 021	27, 975 549 1, 190 11, 038 57, 058	27, 674 580 1, 180 11, 040 50, 744	27, 458 011 1, 150 11, 001 56, 819	27, 716 026 1, 130 10, 871 50, 778	27, 510 633 1, 110 10, 675 56, 631	27, 698 672 1, 104 10, £10 56, 205	27, 238 001 1, 121 10, 430 54, 700	28, 184 606 1, 143 10, 425 54, 460	28, 010 700 1, 147 10, 079 53, 700	27, 159 677 1, 109 10, 628 53, 309	96. 2 64. 6 80. 8 92. 1 93. 4
Illinois Indians Kentucky Maryland Massachusetts	1, 237 608 1, 214 1, 901 70, 788	1, 154 707 1, 280 1, 780 73, 024	1, 148 680 1, 212 1, 850 73, 972	1, 190 695 1, 227 1, 915 74, 623	1, 230 694 1, 262 1, 968 73, 075	1, 260 693 1, 257 1, 972 73, 506	1, 251 697 1, 140 1, 939 71, 975	1, 210 608 1, 127 1, 037 70, 536	1, 246 696 1, 194 1, 911 69, 147	1, 258 609 1, 218 1, 860 68, 936	1, 278 711 1, 263 1, 889 68, 654	1, 804 704 1, 230 1, 911 67, 452	1, 297 694 1, 153 1, 867 64, 561	87, 7 98, 9 88, 0 90, 6 86, 5
Michigan Mississippi New Hampshire New Jersey	262 2, 342 18, 769 4, 758	218 2, 517 14, 640 4, 613	262 2, 544 14, 273 4, 770	304 2, 629 14, 171 4, 867	305 2, 602 14, 242 4, 820	315 2, 536 14, 161 4, 843	274 2, 048 14, 261 4, 762	232 2, 029 13, 883 4, 725	208 2,100 13,066 4,588	283 2, 148 18, 303 4, 405	248 2, 267 13, 414 4, 725	227 2, 342 18, 222 4, 959	2,347 12,596 4,028	04. 1 77. 2 86. 0 90. 6
New York North Carolina Pennsylvania Rhode Island South Carolina Tennessee Texas Virginia	5,811 91,844 7,778 21,833 71,731 7,544 4,640 7,672	6, 200 92, 485 8, 080 23, 254 71, 993 7, 605 4, 768 7, 448	6, 836 93, 117 8, 111 23, 457 72, 321 7, 517 4, 506 7, 626	6, 223 93, 694 8, 081 23, 426 72, 650 7, 480 4, 777 7, 095	0, 094 93, 255 7, 948 23, 700 68, 963 7, 406 4, 811 7, 617	4, 980 98, 293 7, 503 23, 412 71, 522 7, 526 4, 707 7, 681	5, 040 02, 203 7, 475 22, 753 72, 490 7, 622 4, 672 7, 818	5, 785 80, 864 7, 543 21, 350 71, 384 7, 527 4, 655 7, 508	5, 804 90, 505 7, 696 21, 999 72, 168 7, 556 4, 886 7, 373	5, 808 91, 403 7, 919 20, 889 72, 463 7, 603 4, 680 7, 616	5, 034 91, 695 7, 960 20, 816 71, 768 7, 680 4, 472 7, 572	5, 520 90, 912 7, 746 10, 222 72, 129 7, 605 4, 402 8, 038	5, 393 89, 640 7, 152 17, 721 70, 924 7, 399 4, 365 8, 066	78.6 95.7 88.2 74.8 94.9 93.3 89.8 91.4

l Revised.
Not called for separately on schedule.
Not called for on schedule.
This tem covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
Data incomplete.

## COTTON SMALL WARES

Description of the industry.—The cotton-small-wares industry embraces mills engaged in weaving tape, webbing, figured labels, banding, belts, belting, trimmings, edgings, etc., composed of cotton or of cotton mixed with other kinds of fibers; or in making cotton or cotton-mixed flat or round braids, including shoe and corset laces. Some of these mills produce their own yarns, but the majority purchase yarns made by establishments in the cotton-goods industry.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1923 TO 1929

YEAR OR FERIOD	Number of estab- lishments	Wage earn- ers (average for the year)	Wages	Paid for con- tract work	Cost of materials, containers for products, fuel, and purchased electric energy	Value of prod- nets i	Value added by manufacture?	Horsepower
1929	202 220 230 228	15, 281 14, 958 16, 162 16, 387	\$15, 449, 435 15, 333, 332 15, 547, 190 15, 956, 874	\$130, 519 373, 828 185, 323 251, 267	\$33, 636, 208 32, 222, 020 41, 816, 332 38, 614, 695	\$05, 160, 753 64, 810, 965 74, 675, 090 73, 223, 566	\$31, 533, 545 32, 597, 945 32, 858, 764 34, 608, 871	27, 308 29, 205 33, 760 31, 926
			PEI	CENT OF INCH	EASE OR DECREAS	E (—)		
1927-1929 1925-1927 1928-1925	-8. 2 -4. 3 0. 9	2. 2 -7. 4 -1. 4	$ \begin{array}{c} 0.8 \\ -1.4 \\ -2.6 \end{array} $	-65. 1 101. 7 -26. 2	4. 4 -22. 9 8. 3	$-13.2 \\ 2.0$	-3.3 -0.8 -5.1	-6. 5 -13. 5 5. 7

#### TABLE 2.—GENERAL STATISTICS, BY STATES: 1929 AND 1927

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. See General Explanations—Establishments Covered—Size]

	Cen-	Num- ber of	Sal- aried offi-	Wage earners		OWER ITY) OF MENT	(RATED POWER			Paid for	FOR PROI	ATERIALS, CO DUCTS, FUEL, ELECTRIC ENE	AND PUR-	•	Value
STATE	sus year	estab- lish- ments	cers and em- ploy- ees 1	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	contract work	Total	Materials and con- tainers	Fuel and purchased energy	Value of products 2	added by manu- facture *
United States	1929 1927	202 220	1, 330 1, 558	15, 281 14, 958	27, 308 20, 205	11, 003 10, 859	16, 305 18, 346	\$4, 015, 407 4, 514, 817	\$15, 449, 435 15, 333, 332	\$130, 519 373, 828	\$33, 036, 208 82, 222, 020	\$32, 603, 673 31, 071, 837	\$1, 032, 535 1, 150, 183	\$05, 100, 753 64, 819, 985	\$31, 533, 545 32, 597, 945
Individual States: California	1929	3	10	30	31		31	11, 943	23, 364		23, 544	22, 956	588	81, 485	57, 041
Connecticut	1929 1927	15 18	295 370	2, 452 2, 733	4, 166 6, 559	1, 150 1, 585	3, 016 4, 974	705, 891 859, 672	2, 648, 665 2, 965, 260	23, 548 30, 025	6, 419, 005 6, 138, 531	6, 224, 405 5, 915, 620	194, 600 222, 905	10, 800, 314 13, 460, 110	4, 381, 309 7, 321, 570
Massachu- setts	1929 1927	43 47	165 185	2, 924 2, 538	4, 274 4, 099	1, 350 1, 426	2, 924 2, 673	532, 507 571, 460	2, 857, 062 2, 484, 558	8, 053 76, 302	6, 210, 169 5, 183, 016	6, 023, 307 4, 982, 460	186, 862 200, 547	11, 022, 618 10, 184, 683	5, 712, 449 5, 001, 667
New Hamp- shire	1929 1927	8 5	24 30	215 252	272 277	105 110	167 167	50, 082 61, 188	211, 272 240, 781		423, 673 415, 413	411, 289 403, 872	12, 384 11, 541	835, 529 987, 882	411, 850 572, 469
New Jersey	1929 1927	14 15	51 57	381 394	774 803	357 522	417 281	141, 192 145, 524	458, 333 430, 848	3, 410	966, 366 1, 151, 926	936, 125 1, 121, 001	30, 241 30, 925	2, 003, 046 2, 027, 563	1, 030, 680 875, 637
New York	1929 1927	20 19	97 164	985 1,123	2, 161 3, 033	165 165	1, 996 2, 868	380, 282 643, 407	1, 228, 062 1, 355, 966	1, 661 11, 872	2, 932, 885 2, 919, <b>0</b> 74	2, 859, 485 2, 826, 819	73, 400 92, 255	5, 699, 544 5, 679, 791	2, 766, 659 2, 760, 717
North Caro-	1929 1927	8 9	20 26	250 101	346 296		346 296	52, 357 56, 538	229, 380 171, 694		525, 586 420, 960	506, 260 406, 079	19, 326 14, 881	995, 433 856, 515	469, 847 435, 555
Pennsylvania	1929 1927	29 39	269 323	2, 587 2, 910	4, 974 4, <b>04</b> 1	2, 736 1, 826	2, 238 2, 215	808, 805 908, 154	2, 474, 697 2, 970, 533	70, 336 56, 221	4, 315, 267 5, 790, 813	4, 152, 901 5, 604, 311	162, 306 186, 502	10, 403, 760 11, 758, 100	0, 088, 493 5, 967, 380
Rhode Island	1929 1927	49 50	316 299	4,781 4,191	9, 075 9, 218	5, 015 5, 015	4, 660 4, 203	1, 026, 693 987, 022	4,841,003 4,151,196	18, 110 195, 998	10, 001, 487 8, 523, 214	9, 693, 570 8, 185, 968	307, 917 337, 240	19, 332, 244 16, 731, 760	0, 330, 757 8, 208, 555
Groups of States: Ga., 2 est.,															, , , , , , , ,
Ky., 2, Mo., 2; S. C., 1 Ind., 2 est.,	1929	7	38	432	325		325	123,026	279, 308	8, 802	1,019,904	1, 020, 147	29, 757	1, 753, 466	703, 502
Mich., 1; Ohio, 3	1029	6	45	244	310	125	185	122, 629	198, 289		768, 322	753, 168	15, 154	1, 342, 314	573, 992
States not shown separately	1927	18	104	656	879	210	669	221,852	562, 496		1, 679, 073	1, 625, 692	53, 381	3, 133, 453	1, 454, 380

¹ Not including proprietors and firm members, as follows: For 1929, 69; 1927, 105. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1920, 16,680; 1927, 16,621.

2 The figures for all census years refer to production, not sales. See General Explanations—Value of Products.

3 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 California, 2 establishments; Georgia, 2; Illinois, 4; Indiana, 1; Kentucky, 2; Missouri, 2; Ohio, 4; South Carolina, 1.

¹ The figures for all census years refer to production, not sales. See General Explanations—Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture, 3 No comparable figures available for earlier years.

#### TABLE 3.—PRODUCTS, BY KIND AND VALUE, BY STATES: 1929 1

[The figures refer to production, not sales. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments. Certain of the "Other States," however, reported larger values of some of the specified products than were reported by one or more of the States for which separate figures are given]

KIND AND STATE	Value	KIND AND STATE	Value
LIND AND STATE  1. Cotton-small-wares industry, all products, total	\$05, 160, 753 61, 864, 450 3, 305, 303 3, 629, 853 65, 494, 303 25, 009, 028 10, 747, 003 5, 400, 505 7, 382, 140 5, 611, 684	Cotton small wares, all industries—Continued. Shoe and corset laces, total  Massachusetts. Rhode Island. Other States.  Woven labels, total.  Now Hampshire. New Jersey. Other States.  Belting for machinery, total.  Transmission, total.  Now Jersey. New York. Other States. Convoyor. Other. Other woven cotton small wares, total?  Massachusetts. Pennsylvania. Rhode Island. Other States.	\$6, 286, 230  281, 050 4, 438, 475 1, 505, 706 2, 188, 562  111, 721 344, 887 1, 731, 964 3, 665, 679 1, 366, 265  610, 828 291, 477 463, 960 872, 960 1, 426, 445 9, 816, 257 700, 968 3, 489, 578 1, 336, 238 4, 289, 473
Connecticut Massachusetts New Hampshire New York Rhode Island Other States  Braided, total  Pennsylvania Rhode Island Other States	811, 683 3, 280, 308 1, 690, 320	Other braided cotton small wares, total	0, 481, 132 476, 616 1, 194, 302 942, 302 3, 807, 792

¹ Comparable figures for prior years can not be given because of changes in the form of schedule used in making the canvass. 1 Principally tapes and bindings.

# TABLE 4.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY, BY KIND, QUANTITY, AND COST, 1929, AND BY KIND AND QUANTITY, 1927 AND 1925

[The difference between the sum of the costs of the several kinds of materials shown in this table and the total cost of materials as given in Tables 1 and 2 is due to the fact that this table covers only certain specified materials, whereas the others cover all materials]

	19	20	1927 1	1025 1		1	020	1027 1	1025 1
KIND	Cost	Pounds	Pounds	Pounds	KIND	Cost	Pounds	Pounds	Pounds
Raw cotton, total	\$1, 171, 207	5, 917, 814	6, 200, 894	21, 339, 080	Yarns purchased—Continued. Cotton—Continued.	'			
Long-staple Short-staple	188, 730 082, 558	034, 340 4, 083, 474	139, 084 6, 061, 810	1, 050, 353 20, 288, 727	Mercerized Not mercerized	\$4, 516, 612 14, 737, 574	8, 175, 635 36, 468, 463	8	8
Yarns purchased, total	23, 430, 157	48, 148, 919	40, 004, 339	42, 733, 830	Silk Rayon	340, 004 3, 387, 200 456, 858	78, 170 2, 030, 142 400, 500	82, 142 1, 774, 756 653, 469	259, 762 814, 828 011, 645
Cotton, total	10, 254, 186	44, 644, 098	37, 523, 072	41, 017, 595	Other yarns	400, 600	100, 000	003, 409	011, 040

¹ No data on cost of materials, by kind, were collected for 1927 or 1925.

# Table 5.—COTTON YARNS USED AND COTTON YARNS PRODUCED FOR SALE, BY COUNTS, FOR THE UNITED STATES: 1929

	Total	20s and under	21s to 40s	41s to 60s	61s to 80s	81s to 100s	101s to 120s	121s and over	Unclassi- fled
Yarns used: Produced for own consumption Purchased	Pounds 4, 606, 998 45, 288, 190	Pounds 2, 321, 202 27, 579, 875	Pounds 2, 264, 398 13, 507, 897	Pounds 21, 398 3, 041, 515	Pounds 364, 544	Pounds 47,788	Pounds 13, 279	Pounds 170, 409	Pounds 553, 703
Yarns produced for sale	250, 251	218, 000	41, 251	**********					

⁴ Not reported separately,

TABLE 6.-MACHINERY, ACTIVE AND IDLE, BY CLASS AND NUMBER, BY STATES: 1929 AND 1927

					•			. :				LOO	MS						
STATE	<b>a</b> .			SPIND	LES					Bro	ad				4. 1.1.1.		BRAID	ING MACI	IINES
SIAID	Cen- sus year		Ring		Doubling and twisting				Plain			Fancy	· · ·	Narrow	(webbin ribbon)	gand			
		Total	Active	Idle	Total	Active	Idle	Total	Ac- tive	Idle	Total	Ac- tive	Idle	Total	Active	Idlo	Total	Active	Idle
United States	1929 1927	39, 160 44, 856	38, 836 39, 672	324 5, 184	12, 490 ² 17, 718	12, 490 2 15, 418	22, 300	604 2 649	542 2 578	62 271	66 2 250	00 2 105	1 85	11, 186 ² 10, 851	9, 846 ² 10, 728	1,340 4 123	176, 484 280, 866	172, 184 280, 800	1 4, 300
California	1929				80	. 80								20	20		135	135	
Connecticut	1929 1927	144	72	72				² 69	2 67	<u>2</u>	82	32		1, 893 2, 195	1,753 22,195	140	7, 134 6, 443	6, 810 6, 443	324
Massachusetts	1929 1927	5, 184		5, 184	6, 300	4, 000	2, 300	9 4	8 4	1	17	17		2, 764 2, 545	2, 458 2, 545	308	17, 857 16, 374	10, 755 16, 374	1, 102
New Hampshire	1929 1927							20 5	20 5		88	75	13	214 113	209 113	5	38	38	
New Jersey	1929 1927							46 36	27 20	19 16	1	30	20	361 599	284 590	77	1, 441 3, 568	900 8,508	475
Now York	1929 1927	9, 576 9, 576	9,324 9,576	252	1, 160 191	1, 160 191		334 274	305 246	29 28				566 2 403	543 2 403	23	1, 508 2, 008	1, 115 2, 008	483
North Carolina	1929 1927							19 18	19 18		44	4	40	107 98	107 96		300 231	306 231	
Pennsylvania	1929 1927				750 2 727	750 1 727		2 135	58 2 119	2 2 16	2 08	¹ ² 56	2 12	1, 972 2 2, 089	1,719 1,966	253 2123	12, 387 12, 815	11, 044 12, 815	1, 343
Rhode Island	1929 1927	28, 816 29, 472	28, 816 20, 472		10,300 10,300	10, 300 10, 300		31 35	31 35		16	10		3, 167 2, 586	2, 633 2, 586	534	30, 318 34, 888	20, 791 34, 888	527
Other States 3	1929 1927	624 624	624 624		200 200	200 200		85 73	74 64	11 9				122 225	120 225	2	5, 308 4, 501	5, 262 4, 591	46

¹ Includes data for 1,952 active and 741 idle braiding machines used in the cotton-goods industry.

² Revised.

³ For 1929: Georgia, Indiana, Kentucky, Michigan, Missouri, Ohio, South Carolina.

TABLE 7.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS, ELECTRIC MOTORS, AND GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

		1929	10	27	19	25 1			1929	11	927	192	5 I
TYPE	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	TYPE	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity
Prime movers and electric mo- tors driven by purchased energy, aggregate	5, 608	Horse- power 27, 308	5, 784	Horse- power 29, 205	5, 691	Horse- power 33, 760	Electric motors, total	0, 927	Horse- power 10,911	6, 985	Horse- power 21, 023	6, 900	Horse- power 26, 406
Prime movers, total	67	11, 003	72	10, 850	84	12, 345	Driven by purchased energy.	5, 601	16, 305	5, 712	18, 340	5, 607	21, 415
Steam, total	49	9, 683	49	9, 376	64	11, 041	Driven by energy generated in establishments reporting.	1, 326	3, 606	1, 273	3, 277	1, 302	5,051
Engines Turbines Internal-combustion	47 2	8, 083 1, 600	47 2	7, 778 1, 600	58 6	7, 315 3, 726	Electric generators	30	Kilowaits 4, 307 Kilowail-	32	Kilo- walts 3, 762	- 80	Kilo- walls 4, 905
engines Water wheels and water turbines	1 17	25 1, 295	2 21	145 1, 338	5 15	153 1, 151	Electric energy purchased 2		hours 28, 353, 704		(1)	~~~~	(4)
Electric motors driven by purchased energy	5, 601	16, 305	5,712	18, 346	5, 607	21, 415			·				

No comparable data for earlier years.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

### TABLE 8.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929 AND 1925,1 AND BY STATES, 1929

	Average			NUMBER I	MPLOYED	ON 15TH 1	OAY OF MO	NTH OR N	EAREST R	CPRESENTA	TIVE DAY			Per
STATE	number employed during year		February	March	April	May	Juno	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
United States:	15, 281	14, 001	15, 167	15, 822	15, 850	15, 970	15, 508	15, 252	15, 225	15, 250	15, 240	14, 920	14, 599	90. 2
1929	16, 162	15, 589	16, 101	16, 601	16, 683	16, 347	10, 121	15, 867	15, 730	15, 779	16, 188	16, 525	16, 414	93. 4
California	30	2,395	28	20	30	31	31	33	32	31	30	30	20	84.8
Connecticut	2, 452	2,395	2, 464	2, 588	2, 601	2, 627	2, 565	2, 520	2, 445	2, 396	2, 377	2, 287	2, 146	81.7
Massachusetts	2, 024	2,790	2, 857	2, 063	2, 996	2, 066	2, 005	2, 930	2, 971	2, 944	2, 964	2, 922	2, 877	93.1
New Hampshire	215	219	214	219	215	210	210	211	214	221	221	219	210	95.0
New Jersey	381	348	370	370	380	306	404	406	405	392	390	372	328	80.8
New York		046	998	1, 004	1, 001	003	957	977	976	1,055	1, 035	952	250	87. 4
North Carolina		241	248	248	247	251	253	240	252	250	251	955	250	94. 5
Pennsylvania		2, 558	2, 584	2, 667	2, 674	2,749	2, 701	2, 010	2, 573	2,540	2, 545	2,476	2, 368	85. 8
Rhode Island		4, 504	4, 744	5, 050	5, 010	5,056	4, 880	4, 644	4, 600	4,718	4, 720	4,715	4, 623	80. 1

¹ No comparable figures available for earlier years.

## DYEING AND FINISHING TEXTILES

Description of the industry.—This classification is applied to establishments engaged primarily in such operations as bleaching, dyeing, mercerizing, printing, or otherwise converting yarn or cloth, without regard to the kind of fiber; beaming or winding yarns (except winding and warping silk); or spooling thread.

The majority of the establishments classified in this industry specialize in this kind of work, which is usually performed on a contract or commission basis, so that the value of products for the industry represents, in the main, the amount charged for performing the dyeing and finishing processes, and the cost of materials is made up chiefly of the cost of chemicals and dyestuffs. In some cases, however, the goods dyed or finished are purchased by the establishments which perform these final operations; and in such cases the cost of the fabric is included in the cost of materials and the value of the finished cloth in the value of products.

A number of cotton, silk, woolen, and worsted mills carry on one or more of these subordinate processes in connection with the manufacture of textiles. These mills do not, however, make separate reports for their dyeing and finishing departments; therefore the statistics for the industry as classified do not cover in full the dyeing and finishing of textiles.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products 1	Value added by manufacture ¹	Horsepower
1929	713 599 628 507 426	79, 327 73, 851 70, 749 03, 414 51, 510 55, 085 48, 407 44, 040 35, 565 20, 776	\$94, 244, 685 91, 697, 219 83, 983, 377 72, 524, 711 58, 138, 720 57, 189, 978 24, 872, 318 21, 226, 924 15, 469, 205 12, 726, 316	\$235, 712, 156 210, 680, 900 220, 678, 181 190, 156, 387 141, 108, 956 174, 742, 816 50, 705, 136 35, 261, 801 19, 621, 253 17, 958, 137	\$465,820,029 406,047,372 408,515,484 386,023,213 276,750,670 323,967,683 109,201,536 83,556,432 50,840,545 44,963,331	\$230, 108, 478 105, 306, 472 187, 837, 303 107, 466, 820 135, 551, 714 140, 224, 808 52, 580, 401 48, 205, 131 31, 228, 202 27, 005, 104	304, 057 287, 212 252, 701 204, 128 (e) 150, 857 120, 327 100, 270 82, 483 68, 372
•			PER CE	NT OF INCREASE OR I	ECREASE ()		
1927-1920 1925-1927 1923-1925 1921-1928 1919-1921	6.6 -2.2 19.0	7. 4 4. 4 11. 6 23. 1 —8. 0	2.8 9.2 15.8 24.7 1.7	11. 9 -4. 5 10. 8 41. 0 -10. 2	14.7 6 11.4 32.5 -14.6	17. 8 4. 0 12. 2 23. 5 -0. 2	5. 0 13. 7 23. 8
1919-1929- 1909-1919- 1809-1909-	47.4	41. 7 27, 1 47. 9	64.8 169.4 60.8	34, 9 395, 6 96, 4	43. 8 287. 7 85. 8	54, 2 200, 0 78, 8	90, 2 50, 4 55, 4

¹ Principally receipts for work done. (See "Description of the industry," above.)
2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
5 Not called for on schedule.

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Certain of the States, however, for which statistics are given in combination with those for others reported larger values of products than some of the States shown separately. Data for establishments with products under \$5,000 in value are included for 1010 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num-	Sala- ried	Wago	HORSEP CAPAC EQUIP	TTY) OF	RATED			COST OF MAT	erials, fuel, Electric rni	AND PUR-		
STATE	Cen- sus year	ber of estab- lish- ments	officers and om- ploy- eos 1	ors (avor- ago for tho yoar)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and purchased onergy	Value of products ¹	Value add- ed by man- ufacture !
United States	1929 1927 1919	732 743 628	9, 339	79, 327 73, 861 55, 085	301, 057 287, 212 159,857	195, 088 187, 147 133, 864	108, 009 100, 005 1 25,093	\$31, 274, 996 27, 002, 701 16, 251, 555	\$04, 244, 685 01, 697, 219 57, 189, 978	\$235, 712, 156 210, 680, 900 174, 742, 815	\$210, 122, 377 103, 604, 012 104, 314, 521	\$16, 589, 779 17, 075, 988 10, 428, 294	\$465, 820, 629 406, 047, 372 323, 967, 683	\$230, 108, 473 195, 366, 472 140, 224, 868
Individual States:	1929	12	62	181	516		516	162, 032	256, 111	002, 668	974, 762	17, 906	1, 709, 111	776, 443
California	1927	12	55	185	434		434	145, 821	205, 794	1, 126, 603	1, 102, 479	24, 124	1, 680, 426	653, 823
Connecticut	1929	21	367	2, 300	14, 229	11, 022	3, 207	1, 144, 002	2, 801, 222	4, 991, 570	4, 421, 602	569, 968	12, 440, 511	7, 448, 941
	1927	20	301	2, 551	12, 779	9, 322	3, 457	807, 367	3, 255, 780	4, 812, 350	4, 220, 067	592, 283	11, 779, 105	6, 966, 756
	1919	16	141	1, 918	9, 427	7, 757	1, 670	468, 710	2, 233, 708	3, 450, 119	3, 043, 674	406, 445	8, 350, 098	4, 899, 970
Georgia	1020	6	70	1, 145	5, 210	3,770	1, 443	187, 622	856, 150	5, 270, 773	5, 086, 842	183, 931	8, 100, 380	2, 028, 613
Illinois	1020	(a)	316	1, 638	0, 555	5, 545	1, 010	850, 060	2, 026, 986	0, 315, 844	0, 082, 058	233, 186	17, 137, 218	7, 821, 374
	1027	(b)	(4)	(b)	(8)	(6)	(4)	(4)	(4)	(5)	(*)	(b)	( ⁸ )	(b)
	1010	11	89	403	745	548	107	251, 860	373, 608	1, 004, 000	1, 033, 507	61, 183	2, 219, 100	1, 124, 410
Maryland	1020 1027	5 6	11 16	53 99	343 494	30	343 464	38, 105 50, 328	56, 184 101, 730	99, 677 183, 892	70, 662 164, 620	20, 015 19, 863	212, 409 456, 937	112,732 273,015
Massachusetts	1020	68	1, 600	14, 450	65, 427	50, 965	14, 462	4, 586, 630	10, 853, 664	53, 034, 427	50, 111, 250	2, 923, 168	93, 148, 770	40, 114, 343
	1027	68	1, 415	13, 826	68, 800	49, 965	18, 835	3, 927, 703	16, 229, 352	51, 434, 428	47, 910, 835	3, 523, 593	84, 459, 666	33, 025, 238
	1010	62	1, 055	12, 321	39, 133	30, 177	8, 956	2, 653, 277	12, 240, 747	44, 209, 538	41, 845, 699	2, 363, 839	75, 261, 815	31, 052, 277
Missouri	1020	0	60	385	804	500	304	160, 656	327, 344	841, 632	792, 144	49, 488	2,000,623	1, 227, 991
	1027	5	51	426	657	418	239	122, 087	396, 304	500, 053	558, 004	41, 019	1,717,400	1, 118, 437
New Jorsey	1020	107	2, 867	23, 007	71, 472	42, 065	29, 407	0, 522, 623	20, 943, 872	47, 184, 154	41, 539, 316	5, 644, 838	113, 558, 338	00, 374, 184
	1027	170	2, 197	10, 470	68, 833	30, 224	10, 600	7, 203, 417	26, 904, 610	38, 234, 552	32, 995, 487	5, 239, 005	91, 732, 052	53, 497, 500
	1010	132	1, 512	14, 492	28, 703	25, 630	3, 064	4, 351, 773	14, 931, 758	44, 222, 000	41, 712, 221	2, 509, 779	70, 305, 174	35, 083, 174
New York	1029	157	911	0, 561	23, 951	12, 601	11, 350	2, 000, 861	8, 346, 446	14, 206, 162	13, 022, 262	1, 273, 900	33, 257, 902	18, 961, 740
	1027	174	1,410	7, 535	27, 227	13, 675	13, 552	3, 692, 282	9, 532, 290	18, 133, 072	10, 722, 135	1, 411, 837	38, 876, 271	20, 742, 209
	1010	133	1,145	6, 076	17, 150	13, 888	3, 262	2, 528, 790	6, 106, 676	21, 178, 386	23, 306, 878	871, 508	44, 693, 507	20, 515, 121
North Carolina	1929	18	242	2, 363	9, 557	4,777	4, 780	636, 004	1, 052, 693	10, 822, 504	10, 497, 052	825, 542	16, 079, 262	5, 256, 068
	1927	16	206	2, 545	10, 593	4,101	6, 492	536, 755	2, 228, 412	13, 381, 416	13, 027, 649	353, 767	18, 990, 189	5, 614, 773
	1910	8	36	414	1, 431	016	516	60, 117	220, 208	741, 522	680, 222	61, 300	1, 242, 679	501, 057
Ohio	1929	12	88	586	5, 466	3, 012	2, 454	352, 940	704, 051	2, 382, 051	2, 230, 906	142, 145	4, 583, 685	2, 201, 634
	1927	10	91	526	5, 718	2, 883	2, 835	294, 304	701, 853	1, 637, 467	1, 514, 820	122, 647	3, 320, 929	1, 683, 462
	1019	6	28	339	3, 551	3, 400	151	69, 410	383, 650	744, 402	661, 524	82, 878	1, 513, 608	760, 206
Pennsylvania	1929	133	1, 218	8, 858	31, 728	20, 672	11, 050	8, 752, 505	11, 504, 787	44, 617, 951	42, 594, 720	2, 023, 225	73, 958, 467	29, 340, 516
	1927	145	1, 251	8, 002	29, 697	10, 108	10, 589	3, 598, 264	11, 407, 742	30, 395, 507	28, 463, 540	1, 031, 967	54, 491, 269	24, 095, 762
	1919	163	767	7, 381	18, 140	14, 847	3, 203	2, 577, 904	8, 120, 917	19, 714, 571	18, 174, 670	1, 539, 901	42, 475, 000	22, 760, 429
Rhode Island	1020	62	1, 501	0, 242	41, 092	26, 478	14, 614	5, 032, 865	11, 306, 286	22, 816, 892	20, 660, 820	2, 150, 066	51, 394, 741	28, 577, 849
	1027	62	1, 484	0, 590	38, 234	27, 389	10, 845	4, 037, 562	11, 521, 344	10, 505, 612	17, 000, 490	2, 565, 122	44, 079, 389	25, 413, 777
	1010	67	1, 163	0, 310	28, 920	25, 743	3, 177	2, 643, 326	9, 356, 657	20, 926, 740	18, 901, 077	2, 025, 663	42, 257, 545	21, 330, 805
South Carolina	1920	11	165	1, 939	8, 018	1,035	0, 383	472, 343	1, 090, 178	2, 648, 133	2, 342, 240	305, 803	8, 555, 180	5, 907, 056
	1927	7	101	1, 302	6, 085	1,300	4, 785	263, 578	1, 134, 973	3, 385, 877	3, 157, 380	228, 401	7, 102, 721	3, 770, 844
Tennessee	. 1920 1927	7 6	139	3, 565 1, 183	4, 760 4, 649	175 205	4, 585 4, 354	377, 696 191, 828	2, 321, 981 1, 001, 535	10, 004, 201 5, 305, 018	0, 830, 202 5, 184, 029	264, 059 121, 880	15, 903, 816 8, 700, 358	5, 809, 555 3, 484, 440
Wisconsin	1929	4	1	43	95		95	27, 917	54, 627	93,405	70, 948	16, 457	204, 930	111, 525
Groups of States: Ala., 1 est.; Ind., 4; Ky., 3; Va., 2	1920	10	100	701	4, 908	3, 332	1, 576	200, 825	591, 599	1, 309, 307	1, 213, 351	155, 956	3, 443, 088	2, 073, 781
Del., 1 est.; Me., 1; Mich., 4; N. H., 1	1020	7	248	2, 001	8, 687	7, 348	1, 339	641, 430	2, 284, 750	2, 207, 063	2, 049, 986	247, 977	d, 593, 605	4, 295, 642
Other States (Minn., 1 est.; Nebr., 3; Tox., 1; W. Va., 1)	1020	6	35	210	1, 230	1, 185	45	120, 133	305, 745	2, 542, 602	2, 500, 633	42, 059	8, 310, 578	767, 886
States not shown sepa- rately	6 1927 7 1919	42 30	092 304		23, 012 13, 230	19, 437 10, 950	3, 575 2, 280	2, 122, 405 643, 388	0, 895, 485 3, 153, 049	22, 484, 253 15, 460, 847	21, 583, 902 14, 955, 049	900, 291 1 505, 798	87, 604, 570 26, 649, 248	11, 188, 401

¹ Not including proprietors and firm members, as follows: For 1929, 217; 1927, 297; 1919, 363. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 80,647; 1927, 83,457; 1919, 62,688.

2 Principally receipts for work done. (See "Description of the industry," p. 270.)

3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919 but not in the United States totals.

^{*} Data for purchased power other than electric (power transmitted into the plant by bolt or sante) are included in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here executed in the State tents for little but here.

1. West Virginia, 1; Wisconsin, 2; Maine, 1; Minnesota, 1; Nobraska, 2; New Hampshire, 1; State tents for little but here.

2. Alabama, 1 establishment; California, 2; Delaware, 2; Florida, 1; Indiana, 2; Kentucky, 3; Maine, 1; Maryland, 3; Michigan, 1; Minnesota, 3; Missouri, 2; New Hampshire, 1; State tents for little but here.

3. Alabama, 1 establishment; California, 2; Delaware, 2; Florida, 1; Indiana, 2; Kentucky, 3; Maine, 1; Maryland, 3; Michigan, 1; Minnesota, 3; Missouri, 2; New Hampshire, 1; State tents for little but here.

3. Alabama, 1 establishment; Delaware, 1; Order executed in the State tents for little but here.

4. Alabama, 1 establishment; Delaware, 1; Order executed in the State tents for little but here.

4. Alabama, 1 establishment; Delaware, 1; Order exe

TABLE 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	1	929	15	927	1925		1	919	1	914	PER CEI TRIBUTI RATED POWER IT	ION OF HORSE- CAPAC-
	Num- ber	Capacity	Num- ber	Capacity	Num- ber	Capacity	Num- ber	Capacity	Num- ber	Capacity	1029	1919
Prime movers and electric motors driven by pur- chased energy, aggregate	21, 527	Horse- power 304, 057	17, 731	Horse- power 287, 212	13, 723	Horse- power 252, 701	5, 656	IIorse- power 159, 857	2, 694	Horse- power 129, 327	100.0	100, 0
Prime movers, total	1,019	195, 088	1, 139	187, 147	1, 321	168, 512	2, 150	133, 864	1,964	122, 165	64, 2	83.7
Steam, total	930	180, 231	1,061	174, 948	1, 241	157, 313	2, 012	118, 197	1,868	111, 506	59, 3	73, 9
Engines Turbines	703 227	77, 000 103, 231	897 164	88, 862 86, 086	1, 101 140	83,008 74,305	1, 963 70	85, 899 32, 298	(1) (1)	· (1)	25, 3 34, 0	53. 7 20, 2
Internal combustion engines	12 77	577 14, 280	14 64	1, 419 10, 780	14 66	1,598 9,601	28 80	2, 124 13, 543	32 64	690 9, 969	0. 2 4. 7	1.3 8.5
Electric motors driven by purchased energy	20, 508	108, 969	16, 592	100, 065	12, 402	84, 189	3, 506	25, 993	730	7, 162	35.8	16.3
Electric motors, total	38, 577	295, 526	80, 030	221, 475	25, 250	196, 587	9, 064	85, 889	4, 249	51, 021	100.0	100, 0
Driven by purchased energy	20, 508	108, 969	16, 592	100, 065	12, 402	84, 189	3, 506	25, 993	730	7, 162	30, 9	30.3
Driven by energy generated in establishments reporting	18, 069	186, 557	13, 438	121, 410	12, 857	112, 398	5, 558	59, 896	3, 519	43, 859	63.1	69. 7
Electric generators.  Electric energy purchased ³	351	Kilowalts 116, 075 Kilowatt- hours 130, 055, 550	304	Kilowatts 05, 261	308	Kilowatts 88, 210	(2)	( ⁹ )	(²)	(2) (2)	****	

Not called for separately on schedule.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

# TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

	Average number		:	NUMBEI	EMPLOYE	D ON 15TH	DAY OF M	JONTH OR	NEAREST	REPRESEN	TATIVE DA	Y	per place in recent many a femous programme of	Per cent
STATE	employed during year	January	February	March	April	Mny	June	July	August	Septem- ber	October	Novem- bor	December	mini- num is of maxi- mum
United States: 1929. 1925. 1919. 1914. 1909.	55, 985 48, 467 44, 046	78, 757 69, 949 53, 761 49, 059 43, 715	80, 698 71, 541 51, 688 50, 369 44, 209	81, 643 72, 615 51, 262 51, 070 44, 868	80, 948 72, 377 61, 052 50, 815 44, 635	79, 205 70, 891 53, 144 49, 681 43, 840	78, 218 69, 110 55, 422 49, 291 43, 405	76, 926 68, 230 57, 833 47, 915 43, 212	77, 929 67, 959 58, 153 46, 981 43, 447	79, 664 69, 665 57, 086 48, 007 44, 171	80, 535 71, 539 58, 727 47, 602 44, 031	70, 783 72, 343 61, 102 45, 253 44, 707	77, 562 78, 778 62, 590 45, 501 44, 157	94, 2 93, 4 81, 6 88, 6 96, 3
California Connecticut Georgia Illinois Maryland		182 2, 321 1, 190 1, 657 66	174 2, 437 1, 240 1, 027 66	180 2, 437 1, 258 1, 663 66	170 2, 428 1, 167 1, 679 66	173 2, 343 1, 099 1, 699	171 2, 303 1, 107 1, 710 47	182 2, 271 1, 082 1, 642 47	184 2, 173 1, 103 1, 615 47	190 2, 214 1, 139 1, 621 47	194 2, 287 1, 108 1, 629 47	191 2, 262 1, 113 1, 584 47	180 2, 234 1, 137 1, 528 47	87. 6 89. 2 86. 4 89. 4 71, 2
Massachusetts Missouri New Jersey New York North Carolina		14, 177 429 22, 794 6, 602 2, 322	14, 578 431 23, 210 6, 934 2, 393	14, 874 426 23, 619 6, 871 2, 297	15, 030 434 23, 295 6, 648 2, 328	14, 904 405 22, 596 6, 430 2, 281	14, 702 373 22, 534 6, 140 2, 283	14, 070 366 22, 414 6, 147 2, 307	18, 874 351 23, 156 6, 343 2, 356	14, 202 540 23, 798 6, 520 2, 371	14, 596 358 23, 605 6, 767 2, 480	14, 408 356 23, 279 6, 769 2, 498	13, 991 349 22, 868 6, 556 2, 434	92. 3 78. 3 94. 2 88. 5 91. 3
Ohio Penusylvania Rhode Island South Carolina Tennessee Wisconsin	586 8, 858 9, 242 1, 939 3, 565 43	584 9, 084 9, 234 1, 745 3, 552 42	005 9, 178 9, 417 1, 970 3, 551 47	505 9, 281 9, 615 1, 995 3, 538 42	0,004 0,583 2,024 3,470 43	579 8, 830 9, 325 1, 992 3, 516 46	580 8,689 9,056 1,986 3,516 44	547 8, 578 8, 930 1, 900 3, 403 46	537 8, 755 8, 924 1, 905 3, 644 44	574 8, 921 9, 087 1, 999 3, 078 47	585 8, 932 9, 236 1, 984 3, 697 47	633 8, 735 9, 328 1, 925 3, 703 45	8,831 9,174 1,773 8,450 22	84. 8 00. 0 92. 8 86. 2 93. 2 40. 8

## **EMBROIDERIES**

Description of the industry.—The establishments classified in this industry are those engaged primarily in the manufacture of embroideries and burnt-out laces. This industry was given a separate classification for the first time at the census for 1927. At prior censuses it had formed a part of the "Millinery and lace goods, not elsewhere classified" industry.

Value of products.-A large part of the "value of products" as reported for this industry represents receipts for work done on a contract basis on materials owned by others. (See Table 3.) This item does not, therefore, cover the total value of embroideries and burnt-out laces.

TABLE 1.—SUMMARY FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES: 1929 AND 1927 1

YEAR OR PERIOD	Number of ostablish- ments	Wago oarm- ors (aver- ago for the year)	Wagos	Paid for con- tract work	Cost of materials, containers for products, fuel, and purchased electric energy	Value of prod- ucts ¹	Value added by manufacture *	Horsepower
THE INDUSTRY AS A WHOLE								
1929	813 1,000	0, 622 8, 904	\$7, 867, 908 10, 962, 090	\$1, 111, 204 2, 503, 184	\$0, 008, 840 7, 959, 700	\$25, 286, 706 32, 418, 888	\$18, 677, 056 24, 459, 119	2, 279 2, 930
1927-1929	-23.9	-26.1	-28.2	-50.6	-17.0	-22.0	-23.6	-22, 2
SCHIFFLI EMBROIDERIES			0.140.000	<b>70.</b> -00	0 880 000	0/7 710		4 0.40
1020	326 412	2, 757 3, 276	3, 110, 220 4, 040, 645	324, 196 1, 502, 322	3, 779, 826 4, 793, 881	11, 847, 513 15, 846, 724	8, 008, 187 10, 552, 843	1,313 1,773
Per cent of decrease (): 1927-1929	-20.9	15.8	-22.8	-78.4	-21.2	-22.8	-23.5	-25.0
OTHER EMBROIDERIES	1							
1920	487 057	3, 865 5, 688	4, 748, 688 6, 921, 445	787, 098 1, 000, 802	2, 820, 514 3, 165, 888	13, 439, 283 17, 072, 164	10, 600, 769 13, 906, 276	966 1,157
1927-1929	25.9	-32.0	-31.4	-25.8	-10, 6	-21.3	-23.7	-10.5

 No statistics available for earlier years. (See "Description of the industry," above.)
 For 1929, manufacturers' sales (shipmonts or deliveries); for earlier years, production. See Generals
 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. -Value of Products, Protantions—Value Added by Manufacture, See General Explanations—Value of Productic energy. See General Explanations

Table 2.—General Statistics for the Industry and its Branches, by States: 1929 and 1927 [This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments]

			Sala-	Wage	HORSEF	OWER (I CITY) OF QUIPME	ATED POW-	A rigures di			ERS FOR	ATERIALS, C PRODUCTS RCHASED 1	, FUEL,		
STATE	Census year	Num- ber of estab- lish- ments	ried of- ficers and em- ploy- ees	earners (aver- age for the year)	Total	Prime mov- ers	Mo- tors run by pur- chased ener- gy	Salarics	Wages	Paid for contract work	Total	Materials and con- tainers	Fuel and pur- chased energy	Value of products ²	Value added by I manufac- ture I
THE INDUSTRY AS A WHOLE		,													
United States	1929 1927	813 1, 069	4 720 4 997	6, 622 8, 964	2, 279 2, 930	67	2, 279 2, 863	\$1, 839, 075 2, 050, 191	\$7, 867, 908 10, 962, 000	\$1, 111, 294 2, 503, 184	\$6, 608, 840 7, 959, 769	\$6, 374, 921 7, 629, 911	\$233, 919 329, 858	\$25, 286, 796 32, 418, 888	\$18, 677, 956 24, 459, 119
California	1929 1927	14 15	7 7	77 78	20 35		20 35	9, 545 10, 096	88, 063 102, 700	50, 000 1, 440	62, 221 32, 068	60, 555 30, 700	1,666 1,368	310, 004 209, 942	248, 743 177, 874
Illinois	1920 1927	43 41	70 82	570 693	169 155		169 155	179, 402 186, 906	659, 447 820, 096	<b>22,</b> 645 33, 547	591, 824 690, 701	.576, 767 676, 221	15, 057 14, 480	1, 897, 117 2, 120, 662	1, 305, 293 1, 429, 961
Maryland	1029 1927	6	19 17	132 132	39 34		30 84	65, 228 57, 661	96, 897 93, 249		141, 849 99, 023	130, 295 96, 982	2, 554 2, 041	402, 406 313, 787	260, 557 214, 764
Massachusetts	1929	5	- 3	45	17		17	4,056	40, 645		19, 468	18,768	700	106, 176	86, 708
Missouri	1929 1927	8	6	117 111	65 17		65 17	24, 800 18, 421	82, 675 101, 291		69, 340 52, 215	66, 501 48, 622	2, 839 3, 593	288, 276 243, 281	218, 930 191, 060
New Jorsey	1929 1927	297 379	171 220	1,988 2,531	1,045 1,230	67	1, 045 1, 172	419, 311 522, 682	2, 350, 848 3, 160, 673	220, 490 1, 287, 002	2, 788, 720 3, 514, 034	2, 664, 807 3, 343, 504	123, 913 170, 530	8, 994, 500 11, 960, 806	6, 205, 780 8, 440, 772
New York	1929 1927	403 576	390 508	3, 189 4, 860	748 1, 298		748 1, 298	1, 014, 753 1, 140, 108	4, 062, 289 6, 107, 325	789, 783 1, 208, 124	2, 572, 758 3, 276, 982	2, 501, 025 3, 155, 182	71,733 121,800	11, 014, 608 16, 154, 456	9, 341, 850 12, 877, 474
Ohio	1929 1927	7 11	8 10	55 161	28 43		28 43	26, 450 30, 536	69, 776 200, 335		130, 105 92, 095	128, 647 89, 389	1, 458 2, 700	208, 340 484, 207	168, 235 392, 112
Pennsylvania	1929 1927	26 28	32 45	422 367	139 103	******	139 103	73, 106 78, 373	384, 917 327, 690	19, 376 33, 011	203, 742 172, 073	190, 619 160, 061	13, 123 12, 012	973, 397 825, 024	769, 655 652, 951
Other States	6 1929 6 1927	4 4	7 3	27 22	0 6		9	22, 424 5, 408	26, 351 39, 831		28, 813 30, 578	27, 937 20, 250	876 1, 328	101, 012 100, 723	72, 100 70, 145
SCHIFFLI EMBROIDERIES															
United States	1929 1927	326 412	7 269 7 352	2, 757 3, 276	1,313 1,773	67	1, 313 1, 706	721, 328 882, 448	3, 119, 220 4, 040, 645	324, 196 1, 502, 322	3, 779, 326 4, 703, 881	3, 622, 430 4, 590, 292	156, 806 203, 580	11, 847, 513 15, 346, 724	8, 068, 187 10, 552, 843
Illinois	1929 1927	8	34 36	206 253	59 59		59 59	100, 533 90, 887	195, 302 300, 649	6, 500	310, 144 387, 359	302, 260 379, 805	7, 875 7, 554	746, 255 888, 561	436, 111 501, 202
New Jersey	1929 1927	250 340		1, 798 2, 290	954 1, 166	67	954 1,099	390, 571 496, 487	2, 146, 936 2, 885, 002	229, 400 1, 180, 048	2, 635, 957 3, 395, 041	2, 516, 803 3, 234, 710	119, 064 160, 331	8, 401, 439 11, 235, 787	5, 705, 482 7, 840, 740
New York	- 1920 1927	36 49	44 84	283 446	133 433		133 433	116, 108 104, 682	389, 241 605, 304	87, 168 295, 866	560, 201 812, 575	544, 718 787, 215	15, 483 25, 360	1, 590, 178 2, 507, 387	1,038,977 1,604,812
Pennsylvania	- 1029 1027			325 167	109 76		109 76	50, 378 39, 855	280, 026 155, 950	7, 538 10, 908	131, 153 106, 840	120, 287 09, 671	10, 866 7, 178	070, 873 402, 902	539, 720 296, 053
Other States	8 1929 9 1927	10 7		145 114	58 39		58 39	63, 648 60, 537	107, 715 93, 740		141, 871 02, 057	138, 263 88, 891	3, 608 3, 166	429, 768 312, 087	287, 897 220, 030
OTHER EMBROIDERIES			1												
United States	- 1929 1927			3,865 5,688	966 1, 157		966 1, 157	1, 117, 747 1, 167, 748	4, 748, 688 6, 921, 445	787, 098 1, 060, 862	2, 829, 514 3, 165, 888	2, 752, 401 3, 039, 619	77, 023 126, 260	13, 430, 283 17, 072, 104	10, 609, 769 13, 906, 276
Illinois	- 1929 1927	85	36 46	364 440	110 96		110 96	78, 860 96, 019	404, 145 519, 447	22, 645 27, 047	281, 680 303, 342	274, 498 296, 416	7, 182 6, 926	1, 150, 862 1, 232, 101	869, 182 928, 750
Now Jersey	- 1929 1927	38	17 22	190 235	91 78		91 73	28, 740 26, 195	209, 912 284, 571	98, 014	152, 763 118, 993	147, 914 108, 794	4, 849 10, 109	593, 061 725, 010	440, 298 606, 026
New York	- 1020 1927	367 527	355 514	2, 906 4, 423	615 865		615 865	898, 555 945, 426	3, 673, 048 5, 502, 021	702, 615 912, 258	2, 012, 557 2, 464, 407	1, 956, 307 2, 367, 967	56 250	10, 315, 430 13, 647, 069	I.
Pennsylvania	- 1929 1927		14 26	97 200	30 27		30 27	22,728 38,518	104, 891 171, 740	11, 838 22, 103	72, 580 65, 224	70, 332 60, 300	2, 257	302, 524 422, 122	229, 035 356, 808
Other States	- 11 192 12 192	29 34 27 38		308 390			120 96	88, 855 61, 585	296, 692 443, 666		309, 925 213, 922	303, 440 206, <b>0</b> 52	6, 485 7, 870	1, 077, 406 1, 045, 853	767, 481 831, 931

¹ No statistics available for earlier years. (See "Description of the industry," p. 273.)
2 For 1929, sales (shipments or deliveries) by manufacturers; for 1927, production. See General Explanations—Value of Products.
2 Value of products less cost of materials, containers for products, finel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
4 Not including proprietors and firm members, as follows: For 1929, 819; 1927, 1,273. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 8,161; 1927, 11,234.
5 Kentucky, 1 establishment; Michigan, 2; Minnesota, 1.
7 Not including proprietors and firm members, as follows: For 1929, 289; 1927, 490. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 3,315; 1927, 4,118.
6 California, 2 establishments; Maryland, 3; Missouri, 1; Ohio, 1.
9 California, 2 establishments; Maryland, 3; Missouri, 1; Ohio, 1.
10 Not including proprietors and firm members, as follows: For 1929, 457; 1927, 783. The total numbers of persons engaged—proprietors and firm members, as follows: For 1929, 4,773; 1927, 7,116.
11 California, 12 establishments; Kentucky, 1; Maryland, 2; Massachusetts, 3; Michigan, 2; Minnesota, 1; Missouri, 7; Ohio, 6.
12 California, 13 establishments; Maryland, 3; Massachusetts, 3; Michigan, 1; Missouri, 8; Ohio, 10.

# TABLE 3.—PRODUCTS, BY CLASS, KIND, AND VALUE, BY STATES: 1929

[The figures refer to sales (shipments or deliveries) by manufacturers. See General Explanations—Value of Products. Statistics are given for each State which can be shown separately without disclosing data for individual establishments. In some cases, however, certain of the "Other States" reported larger quantities and values than some of the States shown separately]

		·					
KIND AND STATE	Total	Value of products made from materials owned by establish- ments re- porting	Receipts for work on materials owned by others	KIND AND STATE	Total	Value of products made from materials owned by establishments reporting	Receipts for work on materials owned by others
Embroideries industry, all products, total.  Embroideries made as secondary products in other industries.  Embroideries and burnt-out laces, all industries:	\$25, 286, 706 232, 483	\$10, 150, 761 212, 483	\$15, 130, 035 20, 000	Embroideries and burnt-out laces, all indus- tries—Continued. Schiffil-machine products—Continued. Embroideries on a not foundation—			
Aggregate	25, 510, 270	10, 360, 244	15, 150, 035	Continued. Cotton net embroidered with		1	
Schiffli-machine products, total	11, 898, 788	6, 306, 064	5, 502, 724	cord, total	\$500, 043	\$440, 056	\$110, 087
Embroidered handkerchiefsOther embroideries on a cloth founda-	726, 328	160, 871	505, 457	New Jersey Other States (Ill., N. Y., Pa.)_	504, 10 <b>6</b> 55, 847	8	(1)
tion, totalCotton cloth embroidered with	0, 110, 907	2, 649, 250	3, 401, 657	Cotton not embroidered with cotton and cord, total	550, 884	400, 509	150, 375
cotton, total	1_ ' _ '	705, 028	607, 733	New Jersey	400, 968	(1)	(1)
New York	710, 684	187, 073	531,711	New Jersey Other States (Calif., Ill., N. Y., Pa.)	143, 916	(1)	(1)
New Jersey New York Other States (Calir., Ill., Md., Pa.)	275, 007 407, 980	607, 055	76, 022	Silk not embroidered with silk (N. J., N. Y.), total	247, 510	88, 615	158, 895
Art linen embroidered with sllk,	448, 147	193, 291	<b>2</b> 64, 856	Other embroideries on net (N. J., N. Y., Pa.), total	1, 077, 200	804,804	182, 300
New Jorsey Other States (Calif., N. Y., Pa.)	383, 820	100 001		All other Schiffli embroideries, total	310, 945	104, 321	155, 624
	04, 321	103, 201	254, 856	Now Jorsey Other States (N. Y., Pa.)	40, 436 273, 500	(1)	(!)
Dress novelties and dress trim- mings embroidered with silk, total.	1, 540, 526	632, 505	908, 021	Burnt-out laces, total	1, 232, 415	800,038	833, 377
New Jersey New York	1, 113, 719 220, 847	383, 595 130, 129	730, 124 90, 718	Cotton (Ill., N. J., N. Y., Pa.) Other (Ill., N. J., N. Y.)	905, 700 820, 706	609, 409 229, 629	238, 300 97, 077
Other States (Calif., Ill., Mass., Mo., Ohio, Pa.)	190, 960	118, 781	78, 179	Embrolderies other than Schiffl, total	13, 020, 401	4, 003, 180	0, 557, 311
Other embroideries on cloth, total	2, 710, 473	1, 028, 420	1, 691, 047	Bonnaz embrolderies, total	6, 572, 020	1, 805, 618	4, 700, 402
New Jersey	1, 300, 805	204, 013	1, 071, 952	Illinols New York	001, 737 4, 058, 084	405, 563 1, 065, 724	558, 174 3, 592, 300
Now York Other States (Calif., Ill., Md., Mass., Pa.)	403, 534 040, 074	209, 078 524, 435	194, 456 424, 630	Now York Other States (Callf., Ky., Mass., Mich., Mo., N. J., Ohio, Pa.)	052, 100	394, 331	557, 808
Embroideries on a not foundation,	3, 500, 103	2, 432, 584	1, 076, 000	Embroideries other than Schiffil and Bonnaz, total	7, 048, 471	2, 107, 562	4, 850, 900
Cotton net ombroldered with cotton only, total	1, 073, 556	607, 610	465, 946	Handkershiefs (N. J., N. Y.) Other, total	370, 514 6, 677, 957	2, 107, 502	370, 514 4, 480, 395
New Jersey	819, 950	366, 038	453, 918	New York	5, 510, 125	1, 729, 503	3, 780, 022
Other States (Calif., Ill., N. Y., Pa.)	253, 600	241, 572	12, 028	Now York Other States (Calif., Ili., Ky., Mass, Mich., Mhn., Mo., N. J., N. Y., Pa., Wash.)	1, 107, 832	408, 050	600, 778

¹ Not shown separately in order to avoid disclosing data for individual establishments.

TABLE 4.—MACHINERY USED IN THE INDUSTRY, ACTIVE AND IDLE, BY KIND AND NUMBER, FOR THE UNITED STATES AND FOR SELECTED STATES: 1929 AND 1927

	~	ACTIVI	SOMETIME	WITHIN THE	YEAR	101	E THROUGH	OUT THE YE	i.R
RIND	Census Year	United States	New Jersey	New York	Other States	United States	New Jersey	New York	Other States
Schiffli (shuttle) embroidery machines, total	1929 1927	895 1, 134	670 875	100 150	125 100	84 119	55 79	19 23	10 17
Automatic, total	1929 1927	627 726	499 592	68 84	60 50	· 43	27 27	15 11	1 3
10-yard	1929 1927	511 594	403 480	62 75	46 89	38 33	23 20	15 11	2
15-yard	1929 1927	116 132	96 112	. G	14 11	5 8	4 7		1
Pantograph, total	1929 1927	208 408	171 283	32 75	65 50	41 78	28 52	4 12	9 14
10-yard	1929 1927	245 387	156 270	27 71	62 46	40 71	28 51	4 12	8 8
15-yard	1929 1927	23 21	15 13	5 4	3 4	17	1		1 0
Bonnaz or Cornely machines	1929 1927	2, 231 2, 749	44 8	1, 531 2, 150	656 596	1, 195 1, 671	. 5	882 1, 417	308 254
Other hand embroidery machines	1929 1927	555 559	80 114	374 288	101 157	254 100	15 14	208 53	33 33
Punching machines	1929 1927	264 368	97 112	124 202	43 49	112 86	2 3	83 65	27 18
Other machines 1.	1929 1927	1, 141 1, 263	520 410	404 591	208 262	264 223	149 38	90 120	25 65

¹ Principally sewing and mending machines.

TABLE 5.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929 AND 1927; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929; FOR THE INDUSTRY AND ITS BRANCHES

	1926	9	192	37 1	Per cent distri- bution			1929	199	27 1	Per cent distri- bution
TYPE	Num- ber Ca	apacity	Num- ber	Capac- ity	of rated horse- power capacity 1929	TYPE	Num- ber	Capacity	Num- ber	Capac- ity	of rated horse- power capacity 1929
THE INDUSTRY AS A WHOLE  Prime movers and electric motors driven by purchased energy, aggregate  Prime movers, total  Steam engines  Internal-combustion engines  Electric motors driven by purchased energy  SCHIFFLI EMBROIDERIES  Prime movers and electric motors driven by purchased onorgy, aggregate  Prime movers, total  Steam engines  Internal-combustion engines	2, 645	Horse- power 2, 279  2, 279  Glowatt- hours 721, 739  Horse- power 1, 813	2, 849 4 3 1 2, 845 1, 631 4 3 1	Horse- power 2, 930  67 52 15 2, 863  (*)  Horse- power 1, 773  67 52 15	100. 0	SCHIFFLI EMBROIDERIES—continued  Prime movers and electric motors driven by purchased energy—Continued.  Electric motors driven by purchased energy  OTHER EMBROIDERIES  Electric motors driven by purchased energy  Electric energy purchased 2  COTHER EMBROIDERIES  Electric motors driven by purchased energy	1, 101	Horse-power 1, 313 Kitowatt-hours 1, 512, 585 Horse-power 968 Kitowatt-hours 1, 209, 153	1, 627	Horse-power 1, 706  (i)  Horse-power 1, 167  (3)	100.0

No statistics available for earlier years. See "Description of the industry," p. 273.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

## **EMBROIDERIES**

### TABLE 6.—WAGE EARNERS, BY MONTHS, FOR THE INDUSTRY AND ITS BRANCHES, BY STATES: 1929 1

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

					<del></del>		<del></del>							
	Average			NUMBER	EMPLOYED	ON IBTH I	DAY OF MO	NTH OR N	EAREST RI	ATKIBBING	TIVE DAY			Per cent
STATE	number employed during year	January	February	March	April	May	Juno	July	August	Septem- ber	October	Novom- ber	December	mini- inum is of maxi- mum
THE INDUSTRY AS A WHOLE						'	·							
United States	6, 622	6,693	6, 819	7,009	6, 864	6,516	6, 102	5,688	6, 163	0, 702	7, 121	7, 017	6, 770	70. 0
California Illinois Maryland Massachusetts Missouri New Jersey New York Ohio Pennsylvania	670 132 45	76 540 114 40 113 2, 022 3, 307 55 309	77 540 119 47 125 2, 112 3, 320 55 307	90 580 126 54 127 2, 121 3, 425 50 412	92 630 126 47 119 2,086 3,267 63 418	88 504 133 44 121 1,990 3,058 54 406	74 573 130 30 121 1,833 2,842 <i>61</i> 400	69 528 140 34 111 1,711 2,651 53 865	74 580 140 94 111 1,836 2,028 64 381	73 600 142 45 117 2,004 3,109 65 458	72 622 143 48 110 2,114 3,452 50 402	72 546 136 52 709 2,062 3,450 52 505	70 507 133 40 111 1,963 3,305 51 462	75. 0 80. 5 70. 7 93. 0 85. 8 80. 7 76. 8 78. 5 72. 3
United States	2, 757	2, 771	2, 865	2, 901	2, 861	2, 756	2, 553	2, 418	2, 570	2,802	2, 938	2,862	2,777	82.3
Illinols Now Jorsey New York Pennsylvania	206 1, 798 283 325	1,865 201 207	102 1, 944 306 289	1, 948 808 303	210 1, 910 205 304	208 1, 808 288 303	196 1, 647 262 307	100 1, 522 261 205	214 1,637 268 308	218 1, 794 270 366	225 1, 890 288 376	222 1, 842 270 373	201 1, 760 205 377	84, 4 78, 1 81, 5 76, 7
OTHER EMBROIDERIES	}	1												
United States	3,865	3, 922	3, 954	4, 108	4, 003	3, 760	3, 549	3, 270	3, 584	3, 900	4, 183	4, 155	3, 993	78. 2
Illinois. New Jersey New York Penusylvania	190 2, 906	350 157 3, 016 102	348 168 3, 014 108	370 173 3, 117 109	420 176 2, 972 114	386 182 2, 770 103	377 186 2, 590 93	327 150 2, 400 70	2, 658 73	210 2,899	397 218 3, 164 86	324 220 3, 171 132	\$66 203 3, 100 85	72.0 71.4 75.7 53.0

¹ No statistics available for earlier years. (See "Description of the industry," p. 273.)

120841-33-19

## FLAGS AND BANNERS

Description of the industry.—The principal products | made from bunting, cotton felt, leather, silk, and of this industry are flags, banners, pennants, etc., other materials.

#### TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage carners (average for the year)	Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products 1	Value added by manufacture	Horsepower
1029 1927 1925 1923 1921 1919 1914 1909 1904	46 49 52 57 79 87	938 1,040 1,031 878 991 1,065 1,495 934 374 509	\$794, 328 807, 906 800, 420 758, 485 770, 931 705, 242 680, 975 317, 930 115, 487 148, 933	\$1, 771, 820 2, 282, 456 2, 332, 222 2, 024, 130 1, 850, 833 3, 286, 165 1, 750, 094 1, 087, 226 486, 872 547, 105	\$3, 835, 824 4, 536, 348 4, 588, 111 3, 807, 309 3, 636, 990 5, 346, 080 3, 601, 310 1, 984, 349 1, 038, 052	\$2, 064, 504 2, 253, 802 2, 255, 880 1, 783, 178 1, 788, 657 2, 050, 924 1, 810, 110 807, 123 307, 820 490, 887	577 700 629 748 (3) 778 637 380 216 210
			PER CENT	OF INCREASE OR D	ECREASE (-)		
1927-1929 1925-1927 1923-1925 1921-1923 1910-1921	4333	-10.3 1.5 17.4 -11.4 -6.9	-11.5 0.8 17.4 -2.4 -2.3	-22.4 -2.1 15.2 0.4 -43.7	-15.4 -1.1 20.5 4.7 -32.0	-8.4 -0.1 26.5 -0.2 -13.3	17.6 11.3 15.9
1910-1929 1900-1919 1899-1909	(9)	11.9 14.0 83.5	-0.1 150.1 113.5	-46.1 202.3 98.7	-28, 2 160, 4 91, 2	0. 2 120. 6 82. 8	-25.8 100.0 85.2

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Froducts.

2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

3 Not called for on selectule.

4 Per cent not computed where base is less than 100.

#### TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

	Cen-	Num- ber of	Sal- aried offi-	Wage earners		OWER CITY) OF PMENT	(RATED POWER				TERIALS, FU			Value
STATE	sus	estab- lish- ments	cers and em- ploy- ees 1	(average for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and pur- chased onergy	Value of products 2	added by manu- facture 3
United States	1929 1927 1919	54 46 79	190 177 220	938 1, 046 1, 065	577 700 778	150 235 317	427 465 461	\$439,488 352,663 480,960	\$794, 328 897, 906 795, 242	\$1,771,320 2,282,456 3,286,165	\$1, 741, 664 2, 251, 231 3, 259, 463	\$20, 656 31, 225 26, 702	\$3, 835, 824 4, 536, 348 5, 346, 089	\$2, 064, 504 2, 253, 892 2, 059, 924
California	1929 1927 1919	7 6 6	12 11 9	35 39 39	23 32 17		23 32 17	34,384 21,138 17,067	42, 420 42, 014 27, 923	101, 512 100, 750 90, 360	100, 163 99, 565 89, 232	1,349 1,185 1,128	276, 551 251, 342 142, 386	175, 039 150, 592 52, 026
Illinois	1929 1927 1919	6 4 9	20 16 24	97 86 112	32 29 120		32 29 120	64, 317 42, 586 48, 175	77, 180 83, 084 73, 643	195, 333 155, 626 173, 622	193, 009 154, 258 170, 495	2,324 1,373 3,127	440, 143 307, 954 349, 336	244, 810 212, 328 175, 714
New York	1929 1927 1919	10 14 22	83 77 107	290 290 367	128 100 130		128 100 130	148, 405 139, 802 239, 225	252, 221 269, 972 310, 203	503, 360 667, 374 1, 480, 504	496, 552 660, 012 1, 472, 305	6,808 7,362 8,199	. 1, 163, 079 1, 259, 158 2, 173, 553	659, 710 501, 784 693, 049
Ohio	1929 1927 1919	5 5 11	15 15 20	99 99 123	241 318 248	120 205 150	121 113 98	30, 937 40, 017 48, 071	102, 669 88, 982 80, 713	128, 463 130, 705 221, 598	123, 477 134, 579 218, 506	4, 986 5, 216 3, 092	333, 400 353, 259 432, 522	204, 997 213, 464 210, 924
Pennsylvania	1929 1927 1919	7 6 9	44 42 27	206 308 215	93 114 182	150	93 114 32	110, 284 73, 263 72, 646	155, 510 218, 308 150, 372	621, 230 712, 889 1, 079, 706	614, 535 705, 767 1, 074, 318	6,695 7,122 5,388	1,079,059 1,355,834 1,525,128	457, 829 642, 645 445, 422
Other States	4 1929 5 1927 6 1919	10 11 22	16 16 33	211 224 209	60 107 81	30 30 17	30 77 64	42, 211 35, 857 60, 776	104, 328 195, 450 143, 388	221, 422 506, 022 240, 375	213, 928 497, 055 234, 607	7, 494 8, 967 5, 768	543, 532 948, 801 723, 164	322, 110 442, 779 482, 789

¹ Not including proprietors and firm members, as follows: For 1929, 31; 1927, 35; 1919, 60. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 1,159; 1927, 1,258; 1919, 1,345.

² The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products.

³ Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

¹ Iowa, 1 establishment; Massachusetts, 1; Michigan, 2; New Jersey, 1; Vermont, 1; Virginia, 4.

¹ Iowa, 2 establishments; Massachusetts, 2; Michigan, 1; Missouri, 1; New Jersey, 1; Vermont, 1; Virginia, 2; Washington, 1.

¹ Colorado, 2 establishments; Iowa, 2; Massachusetts, 3; Michigan, 4; Minnesota, 2; New Jersey, 1; Oregon, 1; Rhode Island, 1; Virginia, 2; Washington, 2; Wisconsin, 2,

Table 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

түре	18	929	10	27	10	25	19	19	19	14	PER CENT BUTION C HORSEI CAPA	OF RATED FOWER
	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- bor	Capac- ity	1029	1919
Prime movers and electric motors driven by purchased energy, aggregate	315	Horse- power 577	240	IIorse- power 700	221	Ilorse- power 829	186	Horse- power 778	148	IIorse- power 637	100.0	100.0
Prime movers, total	2	150	3	235	3	235	0	317	10	402	20.0	40.7
Steam engines	1	120 30	2 1	20 <i>5</i> 30	2 1	205 30	3 2 1	225 42 50	4 5 1	320 47 35	20. 8 5. 2	28, 9 5, 4 6, 4
Electric motors driven by purchased energy	313	427	237	465	218	304	180	461	138	235	74.0	59, 3
Electric motors, total	317	437	307	535	300	480	180	476	156	324	100.0	100. 0
Driven by purchased energy	313	427	237	165	218	394	180	461	138	235	97.7	96.8
porting py energy generated in establishments re-	4	10 Kilo-	70	70 Kilo-	82	95 Kilo-	9	15	18	80	2.3	3.2
Electric generators	2	watts 105	3	walls 175	3	watts	(1)	(1)	(1)	(1)		)
Electric energy purchased ?	~ ~ h = _ J = ŋ =	Kilowatt- hours 410, 140		(3)	********	(3)		<b>.</b> (0)		(1)		

Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, AND 1914, AND BY STATES, 1929

State	Average number		N	UMBER E				TH OR NE				Bergang (g. 1946 - 1972) and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 1972 and a 19		Percent mini-
Stato	employed during year	I	February	March	April	Mny	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mum is of maxi- mum
United States: 1929	938 1,031 1,065 1,495	884 978 1, 337 1, 351	875 989 1, 175 1, 407	906 1,015 1,113 1,478	937 1, 038 1, 172 1, 552	1, 015 1, 001 1, 140 1, 509	963 1, 151 1, 155 1, 624	021 1,021 1,027 1,503	905 1992 930 1, 477	917 909 878 1, 518	980 1, 031 922 1, 498	969 1,031 922 1,485	976 1, 037 1, 000 1, 448	86, 2 85, 0 65, 7 83, 2
California	35 97 290 90 206	33 90 284 97 183	34 83 287 05 /78	39 100 286 97 186	38 107 278 100 212	42 110 290 07 278	32 100 208 00 252	31 83 308 <i>93</i> 203	31 78 298 07 197	28 77 202 101 107	35 104 290 105 207	36 104 288 104 199	35 120 201 111 184	66. 7 64. 2 91. 7 83. 8 65. 2

# FLAX AND HEMP, DRESSED

Description of the industry.—The dressing of flax and hemp consists in the separation of the woody portion of the straw from the fiber, a combined process of decay and mechanical treatment technically know as retting, breaking, scutching, and hackling. The principal product, namely, the fiber, sometimes termed "line," is used mainly in the manufacture of linen goods and of cordage and twine. Tow or waste, a natural by-product of the dressing process, is also reported as a product.

Omission of State statistics.—In order to avoid disclosing data reported by individual establishments, no State statistics are given for this industry.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage carners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products 1	Value added by manufacture?	Horsepower
1929. 1927. 1925. 1923. 1921. 1919. 1914. 1909. 1904.	20 16 16	47 62 82 62 112 420 116 104 214 211	\$35, 406 51, 390 88, 534 48, 743 71, 747 447, 373 45, 271 64, 007 50, 977 46, 000	\$93, 477 116, 106 244, 417 173, 623 201, 064 1, 708, 670 186, 247 336, 390 233, 132 91, 032	\$197, 035 282, 805 450, 071 280, 765 207, 036 2, 369, 114 282, 648 467, 346 340, 063 158, 650	\$103,558 160,729 214,454 107,142 60,572 060,444 97,401 131,046 113,831 67,618	429 054 1, 457 877 (3) 1, 920 832 1, 147 000 187
		13	PER CENT	OF INCREASE OR DE	CREASE (—)		
1927-1929 1925-1927 1928-1925 1921-1923 1019-1921	<u>9</u>	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	$\begin{array}{c} -31.1 \\ -42.0 \\ 81.6 \\ -32.1 \\ -84.0 \\ \end{array}$	-19, 5 -52, 5 40, 8 -13, 6 -88, 2 -94, 5	-30. 4 -38. 4 63. 5 4. 0 -88. 7	-37, 0 -22, 3 100, 3 60, 9 -89, 0	-34.4 -55.1 60.1
1909-1919 1899-1909	(3)	156. 1 -22. 3	598. 9 39, 1	408. 1 260. 4	406. 9 194. 6	401. 0 03. 8	67. 4 513. 4

For 1920, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

Not called for on schedule.

Per cent not computed where base is less than 100.

### TABLE 2.—GENERAL STATISTICS FOR THE UNITED STATES: 1929, 1927, AND 1919

[Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num- ber of	Salaried	Wage carners			(RATED FOWER			COST OF MA	TERIALS, FU DELECTRIC I			Value
STATE	Census year	estab-	officers and em- ployees	000 100	Total	Prime movers	Motors run by pur- chased energy		Wages	Total	Materials	Fuel and pur- chased energy	Value of products ²	added by manufac- ture 3
United States	4 1929 8 1927 6 1919	6 7 20	13 10 45	47 62 420	420 654 1, 920	295 523 1, 535	134 131 385	\$18, 428 12, 912 87, 591	\$35, 406 51, 390 447, 373	\$93, 477 116, 166 1, 708, 670	\$90, 580 111, 127 1, 652, 874	\$2, 897 5, 039 55, 796	\$197, 035 282, 895 2, 369, 114	\$103, 558 166, 729 660, 444

¹ Not including proprietors and firm members, as follows: For 1929, 2; 1927, 5; 1910, 26. The total numbers of persons engaged—proprietors and firm members, salarled officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 62; 1927, 77; 1919, 491.

2 For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

3 Michigan, 2 establishments; Minnesota, 1; Wisconsin, 3.

4 Michigan, 1 establishment; Minnesota, 1; North Dakota, 1; Wisconsin, 4.

6 California, 1 establishment; Illinois, 1; Indiana, 1; Kentucky, 3; Michigan, 4; Minnesota, 1; North Dakota, 1; Oregon, 1; Wisconsin, 7.

TABLE 3.—PRIME MOVERS, MOTORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

ALLE.	10	29	19	27	19	25	19	19	19	14	PER C DISTRIB OF RA HORSEP CAPAC	UTION TED OWER
	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capae- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	1929	1010
Prime movers and electric motors driven by purchased energy, aggregate.	13	Horse- power 429	16	IIorse- power 654	25	IIorse- power 1, 457	38	Horse- power 1, 020	16	Horse- power 832	100. 0	100, 0
Prime movers, total	8	205	11	523	11	846	15	1,535	12	680	68, 8	79,0
Steam, total	0	235	10	520	11	845	14	1, 455	8	515	54.8	76.7
EnginesTurbines	6	235	10	520	11	845	12 2	1, 345 110	(3)	(3)	51.8	70.0 5.7
Internal-combustion engines	2	60	1	8			1	80	4	105	14, 0	4, 2
Electric motors driven by purchased energy	5	134	5	131	14	612	23	385	4	152	31.2	20, 1
Electric motors, total	5	134	<b>a</b>	131	14	012	24	395	4	152	100.0	100, 0
Driven by purchased energy Driven by energy generated in establishments re- porting	5	134	5	131	14	612	23	385 10	4	152	100.0	97, 5 2, 5
Electric energy purchased ?		Kilowatt- hours 38, 410		(3)		(1)		(4)		. (4)		

TABLE 4.-WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES: 1929, 1925, 1919, 1914 AND 1909

[The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures

	Average			NUMBER :		ON 15TH	DAY OF MC	on no ntra	EAREST R	arnaeanya Arnaeanya	YAQ BVIT			Per cont mini-
UNITED STATES	omployed during year	1	February	March	April	May	Juno	July	Auguat	Septem- ber	October	Novom- ber	Decem- ber	mum is of max- imum
1020 1025 1010 1014 1000	47 82 420 116 164	80 123 <i>\$50</i> 162 170	50 01 364 180 229	35 70 387 100 210	30 36 301 108 213	62 87 307 111 160	53 40 442 85 130	86 42 387 87 87	04 40 427 83 77	17 54 453 102 118	5 100 441 108 164	23 152 487 98 206	53 188 514 90 183	5. 8 10. 1 08. 1 46. 1 33. 6

Not called for separately on schodule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.
 Not called for on schedule.

## HAIRCLOTH

Description of the industry.—This industry embraces establishments engaged primarily in the weaving of haircloth, mainly from cotton warp with horsehair filling. Haircloth is used principally for upholstering purposes and as a stiffening in the manufacture of clothing.

Omission of State statistics.—In order to avoid disclosing data reported by individual establishments, no State statistics are given for this industry.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1909 TO 1929

YEAR OR PERIOD	Number of establish- ments	Wage carners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products 1	Value added by manufacture?	Horsepower
1929 1927 1925 1928 1921 1921 1919 1914 1909	13 16 15 18 17 18 19	450 385 355 490 301 425 595 538	\$520, 060 480, 045 387, 450 404, 401 329, 110 425, 140 200, 280 252, 279	\$2, 550, 563 2, 688, 784 1, 897, 479 2, 511, 986 1, 546, 061 2, 250, 142 1, 654, 006 1, 613, 581	\$3, 855, 388 3, 616, 119 2, 746, 225 3, 733, 960 2, 618, 319 3, 315, 113 2, 305, 480 2, 230, 033	\$1, 304, 825 927, 335 848, 740 1, 221, 983 1, 072, 258 1, 055, 071 741, 480 610, 452	1, 113 1, 312 1, 058 1, 333 (3) 072 1, 580 848
1927-1920- 1923-1925- 1921-1925- 1921-1928- 1919-1921- 1910-1920- 1909-1910-	ඉදුල්ලල ලල	16. 9 8. 5 -28. 9 65. 8 -29. 2 5. 0 -21. 0	9, 7 23, 9 -16, 6 41, 1 -22, 6 23, 9 68, 5	-5.1 41.7 -24.5 62.5 -31.6 12.9 40.0	6. 6 31. 7 -26. 5 42. 0 -21. 0	40. 7 0. 3 -30. 5 14. 0 1. 5 23. 6 71. 3	-15, 2 24, 0 -20, 6 -14, 5 14, 5

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

3 Not called for on schedule.

4 No comparable figures available for years prior to 1909.

5 Per cent not computed where base is less than 100.

TABLE 2.—GENERAL STATISTICS FOR THE UNITED STATES: 1929, 1927, AND 1919

	Cen-	Num- ber of	Sala- ried officers	Wage earners (aver-	EOUII	OWER ITY) OF MENT	(RATED POWER				TERIALS, FU D ELECTRIC 1		Value of	Value
STATE	sus year lish- ments	and em- ploy- ees ¹	age for the year)	Total	Prime mov- ers	Motors run by pur- chased energy		Wages	Total	Materials	Fuel and pur- chased energy	Value of products 2	added by manu- facture ⁸	
United States	4 1929 5 1927 6 1919	13 16 18	42 39 67	450 385 425	1, 113 1, 312 972	455 810 826	658 502 146	\$126, 838 83, 897 143, 910	\$520, 669 480, 045 425, 149	\$2, 550, 563 2, 688, 784 2, 259, 142	\$2, 503, 154 2, 647, 153 2, 217, 552	\$47, 400 41, 631 41, 500	\$3, 855, 388 3, 616, 119 3, 315, 113	\$1, 304, 825 927, 335 1, 055, 971

¹ Not including proprietors and firm members, as follows: For 1929, 12; 1927, 18; 1919, 19. The total numbers of persons engaged—proprietors and firm members, solaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 504; 1927, 442; 1919, 511.

2 The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products.

3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Illinois, 1 establishment; New York, 1; Pennsylvania, 13.

5 Illinois, 2 establishment; New York, 1; Pennsylvania, 14; Rhode Island, 1.

TABLE 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	19	20	19	27	19	25	19	19	19	14	RATED	NT DIS- TION OF HORSE- CAPAC-
	Num- her	Capac-	Num- ber	Capae- ity	Num- ber	Capac-	Num- ber	Capac- ity	Num- ber	Capac- ity	1020	1019
Prime movers and electric motors driven by purchased energy, aggregate	175	Horse- power 1, 113	52	Ilorse- power 1,312	36	Horse- power 1,058	18	Horse- power 972	17	Horse- power 1, 550	100,0	100, 0
Prime movers, total	5	155	Ü	810	7	780	8	K26	11	1, 452	40. 9	85. (4
Steam engines	5	455	8	700 20	7	780	<u>6</u>	620 200	9	1, 202	40.4	63, 9 21, 1
Electric motors driven by purchased energy	170	658	43	502	20	278	10	146	6	137	59, 1	15, 0
Electric motors, total	173	723	47	569	32	343	10	146	12	242	100, 0	3081, (1
Driven by purchased energy	170	658	43	502	29	278	10	146	0	137	91.0	100, 0
Driven by energy generated in establishments re-	3	05 K:lo-	4	Kilo-	3	KHo-	*********	### ### <b>3</b> ***	6	105	9, 0	- # # # # # # W P V
Electric generators	1	walts 65 Kilowatt-	2	watts 80	1	walls 65	(1)	(1)	(0)	(0)		/ 0 d 1 3 m r *
Electric energy purchased 2		hours 748, 741		(8)	**************************************	(3)	an magazoro c	(1)	2.0 y as gymen	(1)	1	

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914. AND 1909 [The month of maximum employment is indicated by bold-faced figures and that of minimum employment by water figures]

	Averago		The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	NUMBER	empi.oyed		DAY OF MO	ONTH OIL N	EAREST B	EPRESENT	TRUE DAY		Avia sea . 1 co. career	Per cent
STATE	number employed during year	January	February	March	April	May	June	July	August	Septem- lær	October	Novem- ber	Decem- ber	mini- noturis of max- inom
1020	450 355 425 505 538	443 358 385 625 506	446 383 391 623 544	450 360 380 016 547	445 351 579 613 530	4-14 346 387 576 537	447 337 414 589 540	460 <i>820</i> 436 582 <b>5</b> 86	450 320 458 503 554	462 850 451 504 545	451 300 478 504 537	452 362 468 558 532	448 888 473 577 536	95. 0 84. 0 78. 0 89. 3 91. 3

Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

# HAT AND CAP MATERIALS, MEN'S

Description of the industry.—The establishments classified in this industry are those engaged primarily in the preparation of hatters' fur, in the manufacture of linings, sweatbands, visors, and trimmings, and in

printing on sweatbands, linings, and bands. The industry does not include the manufacture of certain classes of hat and cap materials, such as leather and dressed fur, which are covered by separate reports.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1910 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products 1	Value added by manufacture ²	Horsepower
1020 1027 1025 1028 1021 1010 1010 1010 1000 1004	112 96 89 104 103 133 98 74 65 70	2, 504 2, 762 2, 127 2, 304 1, 722 3, 009 1, 775 2, 367 2, 414 1, 371	\$2, 875, 718 2, 658, 871 2, 413, 187 2, 410, 808 1, 737, 221 3, 132, 571 804, 246 046, 526 848, 751 434, 148	\$17, 305, 115 15, 671, 702 15, 218, 003 13, 863, 235 6, 713, 371 16, 648, 910 5, 051, 857 5, 379, 970 4, 216, 908 2, 707, 756	\$25, 030, 043 23, 330, 341 22, 040, 047 20, 507, 602 11, 545, 326 26, 521, 212 6, 929, 342 8, 236, 310 6, 440, 108 3, 840, 116	\$7, 725, 828 7, 607, 540 6, 830, 054 6, 644, 357 4, 831, 955 6, 877, 203 1, 877, 485 2, 856, 340 2, 223, 202 1, 051, 360	5, 164 5, 168 6, 141 4, 740 4, 927 2, 946 2, 860 2, 036 1, 666
		,	PER CEN	T OF INCREASE OR	DECREASE (-)		
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921 1010-1029 1900-1019 1800-1009	(4) -14. 4 1, 0 -22, 6 -15. 8	-7. 2 29. 9 -7. 7 33. 8 -42. 8 -14. 8 27. 1 72. 6	8. 2 10. 2 0. 1 38. 8 -44. 6 -8. 2 231. 0 118. 0	10.4 3.0 9.8 106.5 59.7 4.0 209.4 92.3	7. 2 5. 0 7. 5 77. 6 -56. 5 -5. 6 222. 0 114. 0	0.8 12.2 2.8 37.5 -51.1 -21.8 245.8 171.7	0, 1 0, 3 8, 3 4, 8 72, 3 71, 7

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.
2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Englanations—Establishments Covered—Size]

·		Num-	Salaried	Wage oarners		OWER ( ITY) OF PRENT	RATED POWER				ATERIALS, FU			Value
ST ATE	Consus	estab-	officers and em- ployees ¹	(aver-	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and purchased energy	Value of products 2	added by manufac- ture ³
United States	1020	112	296	2, 564	5, 164	3, 228	1, 936	\$958, 415	\$2, 875, 718	\$17, 305, 115	\$17, 088, 802	\$216, 313	\$25, 030, 943	\$7, 725, 828
	1027	96	267	2, 762	5, 158	2, 631	2, 527	934, 499	2, 658, 871	15, 671, 702	15, 479, 445	192, 347	23, 339, 341	7, 667, 549
	1010	133	341	3, 009	4, 927	3, 877	1, 050	950, 127	3, 132, 571	16, 643, 919	16, 490, 084	153, 835	26, 521, 212	9, 877, 203
Connecticut	1929	19	74	886	2, 634	1,527	1, 107	224, 356	1, 071, 859	6, 102, 629	5, 974, 222	128, 407	9, 000, 009	2, 997, 340
	1927	13	41	1,025	2, 438	1,446	992	161, 231	806, 086	3, 864, 130	3, 775, 733	88, 397	5, 803, 465	1, 939, 335
	1919	15	53	682	1, 789	1,060	729	95, 529	610, 700	3, 057, 007	2, 989, 402	67, 605	4, 931, 487	1, 874, 480
Illinois	1929 1927 1919	5 5 7	9 5 8	55 33 40	8 18 18		8 16 18	16, 099 10, 405 12, 843	62, 853 43, 104 36, 219	105, 061 32, 488 258, 190	105, 188 32, 198 257, 107	773 290 1,083	191, 976 104, 791 380, 571	86, 015 72, 303 122, 381
New Jersey	1929	8	27	422	758	486	267	73, 407	295, 443	2, 251, 644	2, 231, 130	20, 514	3, 029, 730	778, 086
	1927	7	24	419	660	401	265	72, 760	419, 434	2, 818, 648	2, 791, 220	27, 428	4, 192, 722	1, 374, 074
	1919	9	29	471	988	865	73	99, 700	456, 813	2, 100, 436	2, 072, 004	28, 432	3, 684, 271	1, 583, 835
New York	1929	74	172	1, 132	1, 681	1,215	400	600, 663	1, 386, 972	8, 687, 158	8, 626, 633	60, 525	12, 391, 071	3, 703, 913
	1927	62	175	1, 211	1, 948	784	1, 164	644, 219	1, 309, 180	8, 712, 732	8, 640, 048	72, 684	12, 792, 310	4, 079, 578
	1919	86	235	1, 731	2, 162	1,949	213	700, 177	1, 944, 837	10, 688, 825	10, 636, 439	52, 386	10, 730, 514	6, 041, 689
Other States	\$ 1929 \$ 1927 \$ 1919	6 9 16	14 22 10	69 74 85	88 90 20	 3	88 90 17	43, 890 45, 875 41, 878	58, 591 81, 067 84, 002	157, 723 243, 794 539, 461	151, 629 240, 246 535, 132	6, 094 3, 548 4, 329	318, 197 446, 053 794, 369	160, 474 202, 259 254, 008

¹ Not including proprietors and firm members, as follows: For 1929, 77; 1927, 87; 1919, 134. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 2,987; 1927, 3,116; 1919, 3,484.

2 The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of ² The figures for 1929 refer to since (singlified of Generally 2), and products.

Products.

Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

Massachusetts, 3 establishments; Pennsylvania, 4.

Massachusetts, 4 establishments; Ohio, 1; Pennsylvania, 4.

Maryland, 1 establishment; Massachusetts, 5; Michigan, 1; Missouri, 3; Pennsylvania, 6.

Not called for on schedule.

Per cent not computed where base is less than 100.

## HAT AND CAP MATERIALS, MEN'S

TABLE 3.—PRODUCTS, BY CLASS AND VALUE, BY STATES: 1929 AND 1927

[The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for 1927 represent production. See General Explanations—Value of Products.

Connecticut is the only State which can be shown separately without disclosing data for individual establishments]

STATE	Census year	Total	Hatters' fur	Sweathands	Hat linings	Cap fronts	Stamping and emboss- ing (re- ceipts for work (tone)	Other prod- ucts, value, and receipts for contract work, except stumping
			***************************************		A. Marine 10 America (A. Marine)	s populación de antes l'hompo de aposo	house discount conditions	and em- bossing
United States	1929 1927	1 \$25, 030, 043 1 23, 330, 341	\$18, 087, 830 17, 078, 344	\$1, 780, 252 1, 790, 669	\$2,004,372 1,351,933	\$880, 230 612, 303	\$636, 772 058, 308	\$1,545,478 1,817,691
Connecticut	1929 1927	0, 009, 069 5, 803, 465	8, 954, 563 5, 580, 410	31.0 × 5 × 11.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0 × 12.0	******		*****	145, 406 228, 055
New Jersey, New York	1929 1927	15, 420, 801 16, 985, 032	9, 133, 276 11, 497, 934	1,753,212 1,680,200	<b>2, 020,</b> 960 <b>1,</b> 351, 933	864, 254 578, 060	559, 574 572, 000	1, 080, 525 1, 297, 855
Other States	² 1929 ³ 1927	510, 173 550, 844		27, 040 104, 370	64, 412	21, 976 33, 433	77, 195 88, 218	310, 547 320, 784

¹ Not including values of hat and cap materials made as secondary products by establishments classified in other industries, as follows: 1929, \$60,916; 1927, \$126,671, 2 Illinois, Massachusetts, and Pennsylvania.
3 Illinois, Massachusetts, Ohio, and Pennsylvania.

TABLE 4.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

түри		1029	1:	027	1	026	1	019	11	014	PER CEN BUTION ( HORSE CAPS	POWER
	Num- ber	Capac- ity	Num- ber	Cupae-	Num- ber	Capae-	Num- ber	Cupae- ity	Num- ber	Cupaes Uy	1329	1010
Prime movers and electric motors driven by purchased energy, aggregate.	510	Horse- power 5, 164	440	Horse- power 5, 158	358	Horse- power 5, 141	387	Horse- power 4,027	180	Horse- power 2,040	100.0	100.0
Prime movers, total	20	3, 228	28	2,031	21	3, 515	35	3, 877	20	2, 515	62.5	78.7
Steam, total	14	2,800	16	2, 219	16	3, 166	24	3, 607	19	2, 200	54.2	70.2
Engines Turbines	12 2	2, 145 655	14 2	1,500 050	14 2	2, 459 707	24	3,007	(3)	(1) (1)	41. 5 12. 7	73. 2
Internal-combustion engines	1 5	1 427	7 5	15 397	1 4	10 330	0 5	05 205	5 5	54 201	(6)	1.3 4.2
Electric motors driven by purchased energy	400	1, 930	412	2, 527	337	1,626	352	1,050	157	431	37. 5	21.3
Electric motors, total	637	2, 933	506	3, 243	366	1,047	484	1,070	202	087	100.0	100, 0
Driven by purchased energy.  Driven by energy generated in establishments re-	400	1, 936	412	2, 527	337	1,626	352	1,050	157	431	An, u	53. 1
porting porting	147	007	94	716	20	321	132	026	45	550	34. 0	46. 0
Electric generators	7	Kilowatts 1, 280 Kilowatt-	6	Kilowatts 1,475	. 2	Kilowatis 300	(l)	(a)	(1)	( ⁸ )		******
Electric energy purchased 4		hours 1,876,053		(a)		(4)		(1)		(a)	*******	4.0 m m m m m m

TABLE 5.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

	Average number			NUMBER 1	EMPLOYED	ON IETH I	DAY OF MC	NTH OR N	KAREST R	EPRESENTA	TIVE DAY	Энэ солооттамаан (16 м/ <b>36 д</b> 6 <b>м</b> ) - «Вобос У суусун (16 м/4 много на	pathicago (#7866) horrana rangg Malakani hilona ( ) menjulakan pad	Porcent mini-
STATE	employed during year	January	February	March	April	May	June	July	August	Soptem- ber	October	Novem- ber	Decem- ber	mum is of max- imum
United States: 1929. 1925. 1919. 1914. 1909.	2, 504	2, 638	2, 750	2, 893	2, 677	2, 041	2, 541	2, 510	2, 505	2, 502	2, 488	2, 340	2, 250	77, 8
	2, 127	2, 098	2, 138	2, 140	2, 138	2, 120	2, 098	2, 080	3, 177	2, 141	2, 084	2, 145	2, 157	95, 5
	3, 009	2, 472	2, 625	2, 694	2, 100	2, 108	3, 007	3, 310	3, 473	3, 502	3, 510	3, 595	3, 613	58, 1
	1, 775	1, 844	1, 803	1, 919	1, 804	1, 003	1, 813	1, 733	1, 620	1, 687	1, 680	1, 781	1, 821	84, 4
	2, 367	2, 435	2, 409	2, 378	2, 200	2, 229	2, 252	2, 284	2, 312	2, 416	2, 416	2, 452	2, 651	87, 4
Connecticut	886	1, 021	963	1, 029	962	922	858	869	838	818	851	781	718	60, 8
Illinois_	55	54	61	50	57	58	54	52	55	50	52	47	55	77, 0
New Jersey	422	383	458	488	402	423	427	408	426	446	423	300	374	70, 6
New York	1, 132	1, 104	1,194	1, 231	1, 181	1, 169	1, 140	1, 110	1, 125	1, 127	1,008	1,063	1,944	81, 8

Not called for separately on schedule.
 Less than one-tenth of I per cent.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

# HATS AND CAPS, EXCEPT FELT AND STRAW, MEN'S

Description of the industry.—This industry classi- in the manufacture of cloth hats and caps, silk hats, fication embraces establishments engaged primarily and opera or crush hats.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1904 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

YEAR OR PERIOD	Number of estab- lish- ments	Wage earners (average for the year)	Wages	Paid for con- tract work	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products ¹	Value added by manufacture 2	Horse- power
1929 1927 1925 1923 1921 1910 1910 1914 1909	584 709	5, 826 6, 300 0, 552 7, 313 6, 505 7, 539 7, 322 6, 201 6, 594	\$7, 694, 078 9, 126, 438 9, 242, 937 9, 593, 893 8, 701, 150 9, 438, 864 4, 507, 521 3, 421, 055 3, 353, 589	(3) (3) \$847, 150 925, 670 326, 647 135, 921 109, 008 65, 647 0, 710	\$16, 907, 661 20, 702, 296 22, 698, 720 22, 250, 182 18, 536, 982 24, 176, 514 9, 267, 577 6, 690, 452 6, 307, 663	\$35, 000, 804 41, 213, 905 43, 822, 729 42, 811, 444 36, 987, 008 44, 530, 861 18, 593, 221 13, 680, 338 12, 955, 400	\$18, 903, 003 20, 511, 669 21, 124, 000 20, 561, 262 28, 450, 020 20, 303, 347 0, 325, 644 6, 908, 880 6, 647, 827	1, 706 1, 000 1, 876 1, 782 (a) 1, 687 1, 313 060 788
			P	ER CENT OF INCI	REASE OR DECREASE	E (—)		
1937-1920 1925-1927 1923-1925 1921-1923 1910-1921 1910-1920 1910-1910	1. 4 -1. 9 -11. 1 11. 5 -17. 6 -18. 8 43. 5	-7.5 -3.8 -10.4 12.4 -13.7 -22.7 21.6	-15.7 -1.3 -3.7 10.3 -7.8 -18.5	-8.5 183.9 130.0	-18.3 -8.8 2.0 20.0 -23.3 -30.1 261.4	-12. 0 -6. 0 2. 4 15. 7 -17. 0 -10. 4 225. 4	-7. 4 -2. 9 2. 7 11. 4 -0. 4 -0. 7	-10.3 8.6 5.3 6.5 75.7

1 For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Not called for on schedule.

4 No comparable figures are available for years prior to 1904.

## TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining State in groups. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establish ments Covered—Size]

		Num- ber of	Salaried officers	earners	EQUII	OWER TTY) OF MENT	(RATED POWER			FOR PROD	TERIALS, CON OCTS, FUEL, A ELECTRIC ENE	AND PUR-		Value
STATE	Census year	estab- lish- ments	and em- ploy- ees!	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased energy	Salories	Wages	Total	Materials and con- tainers	Fuel and pur- chased energy	Value of products 2	added by manufac- ture 3
United States	1929 1927 1919	576 568 709	889 1, 014 1, 282	5, 826 6, 300 7, 539	1, 796 1, 999 1, 687	3 165	1, 703 1, 990 1, 522	\$2, 314, 648 2, 436, 033 2, 765, 690	\$7, 604, 078 0, 126, 438 9, 438, 804	\$16, 907, 661 20, 702, 206 24, 176, 514	\$16, 734, 508 20, 507, 153 24, 018, 776	\$173, 153 195, 143 157, 738	\$35, 900, 004 41, 213, 965 44, 539, 801	\$18, 003, 003 20, 511, 009 20, 303, 347
Individual States: California	1929 1927 1919	32 34 80	31 39 32	234 311 222	60 70 49	*******	69 70 49	71, 084 59, 980 53, 121	306, 062 433, 545 237, 908	037, 213 979, 498 017, 949	632, 256 971, 596 611, 695	4, 957 7, 902 6, 254	1, 235, 525 1, 825, 187 1, 174, 002	598, 312 845, 089 556, 113
Connecticut	1929 1927 1919	9 10	7 17 24	77 83 137	19 28 18		19 28 18	9, 405 31, 473 55, 370	88, 743 117, 341 178, 462	210, 247 308, 310 511, 150	208, 301 304, 685 508, 588	1, 856 3, 625 2, 562	309, 001 633, 758 898, 545	180, 744 205, 448 387, 305
Illinois	1929 1927 1919	48 59 47	90 87 114	570 588 679	131 181 130		131 181 136	362, 483 258, 270 304, 137	735, 106 875, 075 806, 882	1, 544, 367 1, 856, 535 2, 348, 250	1, 527, 210 1, 840, 143 2, 334, 070	17, 148 16, 302 14, 180	3, 545, 418 3, 724, 925 4, 190, 613	2,001,051 1,868,300 1,842,363
Indiana	1929 1927 1919	5 6 4	10 12 9	65 64 22	16 12 11		16 12 11	38, 344 50, 905 11, 441	75, 759 81, 731 30, 212	162, 744 196, 780 85, 152	161, 052 194, 797 84, 047	1,602 1,983 505	368, 250 407, 966 155, 962	205, 512 211, 186 70, 710
Iown	1929 1927 1919	7 6 4	16 10 13	63 101 63	60 10 7		60 10 7	36, 513 21, 470 17, 165	66, 013 76, 214 52, 007	156, 860 186, 407 165, 786	154, 940 184, 464 164, 836	1, 929 1, 943 950	323, 551 351, 697 280, 663	106, 682 105, 200 114, 877
Kentucky See footnotes at end of t	1929 1927	7 5	26 42	142 145	28 23		. 28 23	89, 039 117, 613	133, 884 150, 108	368, 217 426, 585	365, 048 423, 702	3, 169 2, 883	739, 440 881, 147	371, 223 454, 502

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919-Continued

[See note at head of this table]

	,	Num-	Salaried	Wage		OWER TTY) OF MENT	(RATED POWER			COST OF MAT FOR PRODU	ERIALS, CON ICTS, FUEL, A LECTRIC ENE	ND PUR-		,
STATE	Census year	ber of estab- lish- ments	officers and em- ploy- ees 1	earners (aver- age for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tainers	Fuel and pur- chased energy	Value of products?	Value added by manufac- ture 3
Individual States—Contd. Maryland	1020 1027 1010	15 18 24	24 39 17	.00 134 08	25 27 42		25 27 42	\$46, 758 59, 444 12, 491	\$108, 021 172, 366 100, 763	\$205, 130 305, 262 318, 484	\$292, 548 392, 040 315, 705	\$2, 591 3, 222 2, 779	\$642, 256 004, 820 500, 603	\$347, 117 509, 067 272, 209
Massachusetts	1929 1927 1919	38 36 42	43 43 74	220 259 376	03 130 72		63 130 72	93, 358 100, 358 163, 224	291, 061 347, 233 508, 775	571, 090 755, 930 1, 386, 590	502, 272 740, 935 1, 370, 724	8, 818 8, 995 9, 875	1, 256, 501 1, 620, 365 2, 403, 884	685, 411 864, 435 1, 017, 285
Michigan	1929 1927	6	6 14	73 61	30 11		30 11	10, 733 26, 989	81, 711 72, 034	187, 208 168, 953	185, 654 167, 271	1, 644 1, 682	373, 072 353, 661	186, 374 184, 708
Minnesota	1929 1927 1919	8 8 11	16 0 13	86 80 83	16 26 18		16 26 18	25, 758 10, 757 10, 264	114, 860 111, 623 88, 838	203, 845 257, 775 289, 222	290, 908 256, 929 288, 197	2, 937 1, 740 1, 025	524, 838 524, 508 462, 703	230, 993 266, 733 173, 481
Missouri	1020 1027 1010	31 26 22	84 81 152	- 628 648 348	114 201 55		114 261 55	201, 221 221, 588 171, 895	028, 046 721, 845 299, 225	1, 907, 747 2, 138, 810 1, 110, 518	1, 950, 657 2, 122, 844 1, 102, 634	17, 000 15, 072 7, 884	3, 589, 986 3, 743, 795 1, 893, 461	1, 622, 189 1, 604, 079 782, 943
New Jersey	1920 1927 1919	21 20 21	39 63 23	303 307 288	83 84 45	16	83 84 29	04, 107 147, 681 67, 060	451, 364 607, 858 303, 195	852, 244 1, 213, 870 627, 782	842, 101 1, 200, 231 021, 597	10, 143 13, 648 6, 185	1, 793, 409 2, 477, 234 1, 126, 617	941, 165 1, 263, 355 408, 835
New York	1929 1927 1919	231 214 349	272 298 408	1, 065 1, 000 3, a14	722 678 781	8 80	710 078 701	678, 149 733, 820 1, 102, 705	3, 212, 647 3, 631, 628 4, 883, 542	6, 675, 000 7, 643, 520 11, 968, 554	6, 615, 887 7, 574, 370 11, 906, 544	59, 163 69, 159 62, 010	14, 552, 008 15, 490, 110 22, 028, 409	7, 877, 005 7, 846, 583 10, 059, 857
Ohio	1929 1927 1919	31 26 31	70 08 100	368 482 402	93 132 92	> + + + + + + + + + + + + + + + + + + +	03 132 92	174, 835 200, 144 241, 875	408, 339 505, 190 471, 137	1, 107, 145 1, 308, 686 1, 666, 977	1, 090, 109 1, 298, 742 1, 660, 693	8, 036 9, 914 6, 284	2, 234, 700 2, 851, 864 2, 916, 457	1, 127, 555 1, 543, 178 1, 249, 480
Pennsylvania	1029 1027 1019	50 51 73	50 66 137	461 453 770	217 205 227	3	217 205 224	110, 493 155, 507 308, 724	605, 382 670, 780 013, 204	041, 536 1, 470, 442 2, 026, 812	921, 073 1, 447, 809 1, 998, 380	19, 863 22, 573 28, 432	2, 313, 673 2, 788, 661 4, 209, 912	1, 372, 137 1, 318, 219 2, 183, 100
Rhode Island	1029 1027 1010	(4) 3/4	(4) 3	(1) 11	(1) 4 4		(1) 4 d	5, 780 (1)	10, 140 (4) 15, 600	35, 508 (1) 53, 549	34, 984 (1) 53, 221	584 (4) 328	70, 436 (4) 90, 312	34, 808 (1) 30, 763
Texas	1929 1927 1919	5 3	18 13 6	50 60 24	16 16 12	6	16 16 0	47, 295 20, 298 0, 270	20, 802 45, 231 22, 478	107, 245 205, 209 43, 120	105, 707 203, 956 41, 814	1, 448 1, 253 1, 300	296, 298 302, 200 102, 010	189, 053 156, 991 58, 899
Wisconsin	1020 1027 1010	10 10 8	28 26 13	81 93 62	34 27 14		34 27 14	90, 786 45, 258 25, 001	114, 041 125, 970 70, 809	200, 120 231, 884 70, 658	196, 302 220, 405 78, 022	3, 818 2, 389 1, 636	474, 545 510, 365 317, 132	274, 425 284, 481 237, 474
Groups of States: Ala., 1 est.; D. C., 1; Ga., 1; La., 1; Tenn., 1. Colo., 4est.; Nebr., 2;	1929	5		38	22		22	6, 502	81,411	106, 296	104, 478	1, 818	202, 863	96, 567
Okla., 1. Oreg., 3 est.; Utah, 1; Wash., 4.	1020 1020	7 8	14 21	92	13 21		13 21	20, 984 79, 021	92, 392 105, 304	250, 536 237, 105	248, 424 234, 858	2, 112 2, 337	475, 357 487, 996	224, 821 250, 801
States not shown sepa-	\$ 1927 \$ 1919	23 26	57 48	345 350	78 104	00	78 44	105, 400 142, 806	310, 748 305, 827	807, 816 876, 952	887, 084 871, 409	9, 832 5, 543	1, 756, 187 1, 608, 417	858, 371 821, 565

¹ Not including proprietors and firm members, as follows; For 1929, 564; 1927, 701; 1919, 931. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage carners—as reported for the industry, are as follows: For 1929, 7,279; 1927, 8,016; 1919, 9,752.

2 The figures for 1929 refer to sales (shipments or deliverles) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products.

3 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Withheld from publication in order to avoid disclosing data for individual establishments.

5 Alabama, 1 establishment; Colorado, 3; District of Columbia, 2; Georgia, 2; Louisiana, 1; Nobraska, 2; Oregon, 4; Rhode Island, 2; Tennessee, 2; Washington, 4.

6 Arkansas, 1 establishment; Colorado, 3; District of Columbia, 3; Fiorida, 1; Kentucky, 3; Louisiana, 1; Michigan, 5; Nebraska, 2; Oregon, 3; Virginia, 2; Washington, 1.

## TABLE 3.—PRODUCTS, BY KIND, NUMBER, AND VALUE, BY STATES: 1929 AND 1927

[The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for 1927 represent production. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments. Certain of the "Other States," however, reported larger numbers and values of cloth bats and caps than some of the States shown separately]

	19	29	19	27	KIND	19	129	19	127
KIND	Dozens Value Dozens Value		KIND	Dozens	Value	Dozens	Value		
<ol> <li>"Hats and caps, except felt and straw" industry, all products, total value.</li> <li>Hats and caps, except felt and straw.</li> <li>Other products (not normally belonging to the industry).</li> <li>Receipts for contract work.</li> <li>Hats and caps (except felt and straw) made as secondary products in other industries, value.</li> <li>Hats and caps, except felt and straw, all industries: Aggregate value (sum of 2 and 5).</li> </ol>	3 3	\$35, 900, 664  33, 332, 981  1, 413, 696  1, 153, 987  1, 498, 897  34, 831, 878		\$41, 213, 065 80, 050, 459 790, 773 772, 733 1, 791, 648 41, 442, 102	Hats and caps, etc.—Continued. Cloth hats and caps—Contd, Illinois	l .	\$3, 276, 408 368, 256 307, 408 730, 440 524, 903 1, 215, 241 373, 672 877, 123 3, 420, 451 1, 681, 392 13, 629, 617 2, 296, 411 2, 027, 447 188, 298	348, 359 29, 653 28, 199 74, 000 67, 800 132, 411 26, 350 86, 630 459, 925 487, 608 1, 924, 327 185, 800 383, 901 23, 915	\$3, 651, 975 407, 906 317, 744 881, 147 894, 963 1, 744, 868 353, 661 804, 222 4, 070, 242 2, 450, 528 16, 426, 960 2, 836, 864 2, 768, 163 309, 056
Cloth hats and caps, total		34, 158, 155	4, 622, 144	41, 348, 653	WisconsinOther States	52, 198 104, 319	455, 945 1, 225, 979	60, 095 140, 260	
California. Connecticut.	94, 749 38, 888	1, 140, 094 410, 670	126, 082 36, 739	1, 670, 893 490, 005	Other hats and caps	45, 157	673, 723	(1)	93, 449

Table 4.—PRIME MOVERS, MOTORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

ТУРЕ	1	1929		)27	19	925	18	)19	10	914	PER CENT BUTION OF HORSEP CAPAC	F RATED OWER
	Num- ber	Capacity	Num- ber	Capacity	Num- ber	Capacity	Num- ber	Capacity	Num- ber	Capacity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate	1, 611	Horse- power 1, 796	1, 319	Horse- power 1, 999	1, 400	Horse- power 1, 876	1, 713	Horse- power 1,687	1, 436	Horse- power 1,313	100. 0	100.0
Prime movers, total	I	3			2	89	8	105	10	178	0, 2	9.8
Steam engines	1	3			1 1	85 4	6 2	158 7	4 5 1	150 25 3	0, 2	0. 4 0. 4
Electric motors driven by purchased energy	1, 610	1, 793	1, 319	1,999	1, 458	1, 787	1, 705	1,522	1, 426	1, 135	99, 8	90, 2
Electric motors, total	1, 610	1,793	1, 319	1, 999	1, 458	1, 787	1, 721	1, 537	1, 443	1, 200	100.0	100.0
Driven by purchased energy	1, 610	1, 793	1, 319	1,000	1, 458	1, 787	1, 705 16	1, 522	1, 426 17	1, 135 65	100, 0	99, 0 1, 0
Electric energy purchased 1		Kilowatt- hours 3, 170, 227		(2)		(2)		(8)		(8)		

¹ This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
² Not called for on schedule.

Table 5.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

	Average number			NUMBER E	MPLOYED (	ON 15TH DA	Y OF MONT	H OR NEAL	ikst Repri	VITATIVIES	e day	ejone, untoknimer undfeld – Nigere i se gegova medle de Nord Storre und de Halle, nårerån dress undelsk	берен (1994 — Ментенский муро того пом на пробос фермали в дорга	Per cent
STATE.	employed during year	January	February	March	April	May	June	July	August	Soptem- ber	October	Novem- ber	Decem- bor	mum Is of maxi- mum
United States: 1929	5, 826	5, 704	5, 818	6, 018	5, 960	5, 850	5, 680	5, 635	5, 776	5, 013	6, 030	5, 802	6,612	02. 0
	6, 552	6, 250	6, 415	6, 443	6, 570	0, 643	6, 580	6, 370	6, 685	6, 871	6, 875	6, 701	6,214	00. 4
	7, 539	6, 076	7, 002	6, 820	6, 806	7, 215	7, 249	6, 789	7, 691	8, 118	8, 523	8, 601	8,618	78. 8
	7, 322	7, 200	7, 338	7, 400	7, 267	7, 388	7, 316	7, 350	7, 330	7, 502	7, 301	7, 169	7,212	05. 3
	6, 201	5, 965	5, 984	6, 033	5, 983	6, 092	6, 055	6, 160	6, 325	6, 383	6, 482	6, 533	6,477	00. 8
California	234	240	236	234	235	222	221	2/8	240	240	246	241	237	88. 6
Connecticut	77	79	79	79	78	78	76	70	77	77	77	70	76	96. 2
Illinois	570	<i>496</i>	550	602	602	604	526	535	555	601	604	500	550	82. 1
Indiana	65	70	68	67	60	66	65	68	04	61	60	57	59	81. 4
Iowa	63	60	59	71	72	50	63	54	<i>54</i>	65	63	60	63	75. 0
Kentucky	142	161	163	157	154	134	135	132	132	134	146	132	121	74, 2
	00	95	100	101	102	102	97	05	00	106	105	104	00	84, 9
	220	210	220	216	224	225	221	212	218	221	223	221	216	04, 2
	73	69	84	78	82	77	71	71	72	66	65	69	67	77, 4
	86	87	88	87	87	86	89	82	88	87	87	87	83	03, 2
Missouri	628	047	035	646	505	600	568	571	015	650	784	602	501	76. 7
New Jorsey	303	380	388	396	403	411	418	408	383	577	384	381	370	00. 2
New York	1,965	1,004	1, 027	<b>2,</b> 665	<b>2,</b> 017	1,000	1, 972	1,895	1, 031	1,060	2,009	1, 973	1,003	01. 8
Ohio	368	878	392	387	381	305	354	373	380	377	369	340	529	82. 4
Pennsylvania	461	461	462	469	471	466	457	461	400	461	440	457	458	95. 8
Rhode Island	14	14	14	14	14	14	14	14	14	18	18	18	18	92. 0
Texas	50	48	47	47	47	40	46	67	57	56	51	53	53	73. 7
Wisconsin	81	93	80	89	70	70	78	78	78	70	76	70	70	81. 7

# HATS, FUR-FELT

Description of the industry.—The establishments assigned to this industry are engaged primarily in the manufacture of stiff or soft hats (chiefly for men's wear) or hat bodies from hatters' fur. The principal material used is the fur of the hare. Some establishments perform all the various processes, beginning with the first treatment of the raw fur, while others purchase the cut fur, and still others buy the hat bodies in the rough and finish and trim them.

Establishments engaged primarily in cutting hatters' fur are not included in this industry but are classified under "Hat and cap materials."

Duplication in cost of materials and value of products.—Because of the use of the products of establishments manufacturing hat bodies as materials by those making finished hats, the total cost of materials and the total value of products for the industry include some duplication; that is to say, if every establishment performed all the manufacturing processes the cost of materials and the value of products would not include the amounts paid by certain establishments for hat bodies manufactured by other establishments.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products:	Value added by manufacture ²	Horsepower
1920	146 163 154 176 224 278	10, 539 15, 898 16, 156 16, 722 13, 880 18, 510 21, 318 26, 004 22, 047 18, 880	\$22, 502, 542 22, 864, 604 20, 466, 420 21, 531, 362 15, 881, 848 19, 642, 531 12, 676, 812 14, 223, 102 11, 282, 237 9, 110, 264	\$55, 298, 945 51, 053, 257 40, 124, 184 34, 447, 703 26, 262, 448 40, 158, 910 16, 947, 058 22, 09, 231 15, 976, 206 13, 513, 668	\$102, 004, 105 99, 184, 842 80, 006, 390 75, 263, 004 52, 614, 107 82, 745, 308 37, 349, 744 47, 864, 630 36, 629, 353 27, 811, 187	\$46, 706, 120 48, 131, 685 30, 942, 206 40, 805, 206 26, 361, 710 42, 587, 289 20, 402, 686 25, 765, 300 20, 664, 147 14, 297, 510	10, 894 20, 517 17, 948 18, 488 (4) 20, 377 20, 774 19, 017 16, 630 11, 843
			PER CEI	NT OF INCREASE OR	DECREASE (-)		
1927-1929 1925-1927 1923-1926 1921-1928 1919-1921 1919-1929 1909-1919 1899-1909	-4.8 -10.4 5.8 -12.5	4. 0 4. 9 -9. 4 20. 5 -25. 0 -10. 6 -26. 1 32. 8	-1. 5 11. 7 -4. 0 35. 0 -19. 1 14. 6 38. 1 56. 0	8.8 27.2 16.5 31.2 —34.6 37.7 81.0 63.6	2. 8 23. 0 6. 4 43. 0 —36. 4 23. 3 72. 9 72. 1	-3.0 20,6 -2.1 54.8 -38.1 0.7 65.4 80.1	-3.0 14.3 -2.9 -2.4 7.2 60.6

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Not called for on schedule.

## TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Certain of the "Other States," however, reported larger values of products than some of the States shown separately. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num-	Salaried	Wage		OWER TTY) OF MENT	(RATED POWER			FOR PROI	ATERIALS, CO OUCTS, FUEL, ELECTRIC ENI	AND PUR-		<b>V</b> alue
STATE	Census year	estab-	officers and em- ployees ¹	(aver-	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wnges	Total	Materials and con- tainers	Fuel and purchased energy	Value of products 1	ndded by manufac- ture 3
United States	1929 1927 1919	159 139 170	1,601 1,532 1,660	16, 539 15, 896 18, 510	10, 804 20, 517 \$ 20, 377	12, 307 12, 800 15, 381	7, 587 7, 708 44, 996	\$5, 677, 530 4, 568, 107 4, 631, 672	\$22, 502, 542 22, 854, 664 10, 642, 531	\$55, 208, 045 51, 053, 257 40, 158, 010	\$54, 303, 303 60, 054, 344 30, 128, 797	\$004, 652 908, 913 1, 020, 222	\$102, 001, 165 00, 184, 842 82, 745, 308	\$40, 706, 120 48, 131, 585 42, 587, 289
California	1029 1027 1010	6 7 6	18 27 10	72 76 69	52 38 21		52 38 21	37, 951 75, 329 25, 238	100, 458 118, 028 82, 500	379, 908 406, 061 398, 453	375, 563 402, 303 308, 511	4, 345 3, 668 1, 942	650, 335 705, 231 557, 913	270, 427 299, 170 159, 460
Connecticut	1020 1027 1010	30 34 41	458 400 403	0, 078 5, 548 4, 580	8, 540 9, 265 5, 311	5, 270 5, 572 3, 475	3, 276 3, 603 1, 836	1, 484, 352 1, 240, 274 1, 355, 006	8,467,420 7,008,771 5,009,015	23, 250, 107 20, 098, 900 12, 201, 766	22, 795, 161 10, 655, 342 11, 900, 294	455, 036 443, 057 304, 472	30, 044, 172 37, 758, 465 23, 152, 468	16, 693, 975 17, 659, 466 10, 947, 762
Massachusetts	1929 1927		20 14	241 215	267 503		207 503	66, 352 75, 670	227, 548 222, 414	719, 079 803, 556	702, 005 700, 408	10, 084 13, 058	1, 245, 702 1, 362, 513	526, 713 558, 957
Missouri	1929 1927 1919	(6) 4 5	(4) (9)	283 ( ⁶ ) 323	( ⁴ ) ₆₈		( ⁹⁷ (8)	90, 577 ( ⁶ ) 65, 545	270, 366 (6) 211, 220	1, <b>52</b> 6, 303 (6) 1, <b>02</b> 0, 647	1, 512, 705 ( ⁰ ) 1, 010, 271	13, 508 (*) 4, 376	2, 254, 449 (6) 1, 478, 951	728, 146 ( ⁶ ) 458, 304
New Jersey	1929 1927 1919	20 19 31	125 120 268	1, 666 1, 678 3, 303	2, 665 2, 502 4, 447	1, 305 1, 145 3, 058	1, 360 1, 357 1, 380	496, 398 423, 700 906, 017	2,371,075 2,433,011 4,263,918	6, 313, 315 5, 081, 308 8, 235, 106	6, 170, 668 4, 914, 818 7, 997, 108	142, 647 100, 550 237, 968	10, 245, 352 9, 154, 147 16, 625, 357	3, 932, 037 4, 072, 779 8, 300, 101
New York	1929 1927 1919	44 36 42	412 800 500	2, 573 2, 837 4, 088	1, 622 1, 555 3, 200	305 586 2, 425	1, 317 969 776	1, 400, 351 986, 553 1, 154, 931	4, 016, 339 4, 256, 019 4, 681, 001	11, 787, 100 12, 000, 202 10, 700, 396	11, 643, 693 11, 981, 698 10, 595, 646	143, 473 100, 104 104, 750	21, 840, 526 22, 270, 482 19, 887, 862	10, 053, 360 10, 186, 190 9, 007, 465
Ohio	1020	5	23	66	37		37	89, 150	105, 163	359, 868	357, 808	2, 060	535, 838	175, 970
Other States	7 1929 8 1927 9 1910	40 39 51	573 602 350	5, 560 5, 542 6, 147	6, 608 6, 654 7, 342	5, 427 5, 506 6, 423	1, 181 1, 148 919	1, 052, 399 1, 766, 572 1, 124, 935	6, 944, 164 7, 826, 421 5, 304, 787	10, 002, 200 12, 872, 081 7, 508, 591	10, 744, 800 12, 310, 195 7, 222, 877	217, 400 262, 786 285, 714	25, 287, 701 27, 928, 904 21, 042, 787	14, 325, 492 15, 355, 023 18, 634, 166

I Not including proprietors and firm members, as follows: For 1929, 72; 1927, 103; 1919, 148. The total mambers of persons engaged—proprietors and firm members, salaried officers and employees, and wage carnets—as reported for the industry, are as follows: For 1929, 18, 272; 1927, 17, 531; 1919, 29, 318.

The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See CENERAL EXPLANATIONS—Value of Products.

Products.

3 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Revised.

5 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919 but not in the United States totals.

Data for purchased power other than electric (power transmitted into the plant by bett or snate) are included in the State Items in 1914 by the totals.

Withhold from publication in order to avoid disclosing data for individual eastballshments.
Illinois, 4 ostablishments; Indiana, 1; Kentucky, 1; Louislana, 1; Maryland, 2; Minnesota, 2; Nebraska, 1; Oregon, 1; Pennsylvania, 17; Rhode Island, 1; Tonnessee, 1; Texas, 3; Virginia, 1; West Virginia, 1.
Florida, 1 establishment; Illinois, 4; Indiana, 1; Kansas, 2; Kentucky, 1; Maine, 1; Maryland, 1; Minnesota, 1; Missouri, 3; Nebraska, 2; Ohio, 3; Pennsylvania, 14: Texas, 3; Virginia, 1; Washington, 1.
Arkansas, 1 establishment, Florida, 1; Illinois, 5; Kentucky, 1; Maine, 1; Maryland, 3; Massachusetts, 3; Michigan, 1; Nebraska, 2; New Hampshire, 1; Ohio, 8; Oregon, 3; Pennsylvania, 20; Rhode Island, 2; South Dakota, 1; Washington, 1; Wastington, 1; Wisconsin, 1.

## TABLE 3 .- PRODUCTS, BY CLASS, NUMBER, AND VALUE, BY STATES: 1929 AND 1927

[The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for 1927 represent production. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments. Certain of the "Other States," however, reported larger quantities and values of finished hats for 1929 than some of the States shown separately

	1	929	19	)27 ¹	9 tr	1	929	105	37 1
CLASS	Dozens	Value	Dozens	Value	CLASS	Dozens	Value	Dozens	Value
1. Fur-felt hat industry, all products, total value 2. Fur-felt hats made in the industry 3. Other products (not normally belonging to the industry). 4. Receipts for contract work. 5. Fur-felt hats made as secondary products in other industries, value.  Fur-felt hats, all industries:		\$102, 004, 165 04, 658, 564 7, 303, 911 41, 690 610, 521			Fur-felt hats, all industries—Con. Finished hats—Continued. Missouri. New Jersey. Now York. Olito. Pennsylvania Other States (For 1926; Ill., Ind., 1694, La., Mo., Md., Mass., Minn., Nebr., Oreg., R. I., Tenn., Tox., Va., Wash., W. Va.). Fur-felt hat bodies and hats in	06, 148 223, 930 545, 175 12, 744 860, 592	\$1, 003, 154 5, 801, 634 18, 068, 221 442, 327 19, 659, 048	(2) 204, 463 632, 670 (3) 592, 637	(2) \$7, 054, 085 19, 287, 856 (2) 21, 363, 497 7, 459, 119
Aggregate value (sum of 2 and 5)		95, 278, 085		93, 025, 019	the rough, total	1, 533, 037	24, 469, 154	1, 232, 763	10, 940, 084
Finished liats, total	1, 770, 058	70, 808, 931	2, 013, 244	73, 084, 035	Men's Women's	000, 328 027, 609	14, 512, 006 0, 957, 148	812, 854 410, 000	13, 071, 709 6, 869, 275
Mon's Womon's	1, 737, 069 32, 389	08, 917, 105 1, 891, 700	1, 973, 789 39, 455	70, 659, 332 2, 424, 703	Connecticut	1, 200, 968 235, 968	19, 113, 343 8, 677, 709	1, 010, 253 149, 597	16, 764, 971 2, 100, 052
CaliforniaConnecticut	17, 511 405, 264	650, 335 18, 773, 297	(2) 401, 095	(2) 17, 929, 528	Iowa, Ky., Me., Mass., N. Y., Pa.)	97, 001	1, 678, 102	72, 913	1, 075, 961

 $^{^{\}rm I}$  Revised.  $^{\rm 2}$  Withheld from publication in order to avoid disclosing data for individual establishments.

TABLE 4.—PRINCIPAL MATERIALS AND EQUIPMENT USED IN THE INDUSTRY: 1929 AND 1927

KIND	1929	1927	KIND	1929	1927
MATERIALS Hatters' fur Hat bodies and hats in the rough, purchased, total	Pounds 5, 514, 276 Dozens 946, 263	Pounds 6, 687, 872 Dozens 1 712, 825	EQUIPMENT  Hat formersPickers	Number 328 150	Number 367 151

¹ Revised.

TABLE 5.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	1929		1927		1925		1919		19	014	PER C DISTRIB OF RA HORSEP GAPAC	UTION TED OWER
	Num- ber	Capacity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	1920	1919
Prime movers and electric motors driven by purchased energy, aggregate	2,140	Horse- power 19, 894	1 1, 693	Horse- power 1 20, 517	1, 327	Horse- power 17, 948	807	Horse- power 20, 377	638	Horse- power 20,774	100. 0	100.0
Prime movers, total	44	12, 307	54	12,800	54	12, 102	102	15, 381	155	18, 110	61.0	75. 5
Steam, total	41	12,002	51	12, 504	49	11, 882	90	15, 251	147	17,936	60.3	74.8
Engines Turbines	83 8	8, 382 3, 620	47 4	10, 038 2, 466	45 4	9, 612 2, 270	98 1	14,251 1,000	(3) (2)	(2) (2)	42. 1 18. 2	69. 9 4. 9
Internal-combustion engines Water wheels and water turbines	1 2	65 240	1 2	65 <b>24</b> 0	4 1	100 120	2 1	10 120	6 2	48 135	0, 3 1, 2	(3) 0.6
Electric motors driven by purchased energy	2,006	7, 587	1]1, 639	17,708	1, 273	5, 846	705	4,996	483	2,055	38.1	24.5
Electric motors, total	4, 255	15, 303	1 8, 506	1 17, 088	3,002	13, 057	1,789	9,631	1, 258	8, 141	100.0	100.0
Driven by purchased energy. Driven by energygenerated in establishments reporting.	2,096 2,159	7, 587 7, 716	1 1, 639 1, 807	17,708 9,380	1, 273 1, 729	5, 846 7, 211	705 1,084	4,096 4,035	483 775	2,655 5,480	49. 6 50. 4	51. 9 48, 1
Electric generators.	29	Kilowatts 7,089 Kilowatt- hours	28	Kilowatis 6, 575	29	Kilowatts 6, 607	(4)	ტ	O	(9)		
Electric energy purchased 5		8, 078, 007		(0)		(6)	******	(1)		(4)		

# TABLE 6.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

	Average			NUMBER 1	EMPLOYED	ON 15TH I	DAY OF MO	NTH OR N	EAREST RI	PRESENTA	TIVE DAY		:	Per
STATE	number employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decom- bor	mini- mum is of maxi- mum
United States: 1929	16, 530 15, 156 18, 510 21, 318 25, 064	16, 555 14, 762 16, 531 21, 510 25, 987	16, 786 14, 913 16, 712 21, 783 19, 394	16, 516 15, 036 16, 879 21, 581 20, 391	16, 229 14, 853 16, 363 20, 518 20, 590	16, 102 14, 919 16, 928 19, 791 21, 075	16, 411 14, 902 17, 990 20, 134 24, 538	16, 739 15, 250 19, 269 22, 030 26, 076	16, 811 15, 473 10, 806 22, 269 27, 588	16, 749 16, 666 19, 561 22, 356 28, 216	16, 654 15, 428 20, 420 22, 438 28, 276	16, 524 15, 306 20, 634 20, 844 28, 972	16, 393 15, 273 20, 947 20, 553 29, 062	95. 8 94. 2 78. 1 88. 2 66. 7
California Connecticut Massnehusetts Missouri New Jersey New York Ohio	72 6, 078 241 283 1, 660 2, 573 66	56 6, 116 239 275 1, 675 2, 599 68	87 6, 199 246 280 1, 738 2, 625 68	69 5,919 250 281 1,716 2,655 71	71 5, 885 224 281 1, 696 2, 491 68	00 5, 888 231 277 1, 710 2, 371 57	5, 972 232 273 1, 686 2, 489 62	78 6, 048 256 254 1, 744 2, 023 63	83 6, 165 251 296 1, 589 2, 652 72	80 6, 268 265 305 1, 517 2, 649 73	85 6, 188 241 304 1, 684 2, 570	85 6, 165 224 298 1, 628 2, 500 71	88 6, 121 233 260 1, 605 2, 554 48	42.0 93.0 84.5 83.3 87.0 89.3 65.8

Revised.
 Not called for separately on schedule.
 Less than one-tenth of 1 per cent.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

# HORSE BLANKETS, FLY NETS, AND RELATED PRODUCTS

Description of the industry.—The principal products of this industry are horse blankets, saddlecloths, and breast aprons, made from purchased fabrics; cotton and leather fly nets, sweat pads, etc. The industry does not include the manufacture of horse blankets, saddlecloths, and breast aprons from fabrics woven by the same establishments, such establishments being treated as textile mills and classified in the appropriate textile industries.

#### TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1910 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

YEAR OR PERIOD	Number of estab- lishments	Wago carners (averago for the year)	Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products 1.2	Value added by manufacture !	Horsepower
1029 1027 1025 1023 1023 1021 1010 1014 1014 1000	14 10 20 22 27 28 37 33 20 26	582 660 604 841 705 768 1,069 1,048 1,043	\$407, 871 574, 177 564, 061 600, 555 682, 176 551, 278 688, 305 401, 598 341, 656 170, 687	\$1, 470, 670 1, 877, 896 2, 535, 217 2, 773, 844 2, 677, 487 3, 455, 686 3, 568, 760 2, 773, 388 1, 320, 435 847, 846	\$2, 805, 168 3, 379, 105 3, 806, 918 5, 136, 544 3, 834, 586 6, 020, 612 5, 160, 482 4, 134, 804 2, 139, 496 1, 305, 164	\$1, 424, 488 1, 501, 209 1, 301, 701 2, 302, 700 1, 167, 009 2, 564, 920 1, 581, 713 1, 301, 476 810, 661 467, 318	1, 375 1, 421 1, 773 2, 900 (v) 1, 577 1, 903 1, 430 621 261
			PBR CEA	IT OF INCREASE OR	DECREASE (-)	,	
1027-1020 1025-1027 1023-1025 1021-1023 1010-1021	(8) (5) (5) (6) (8)	-11. 8 -4. 0 -17. 5 10. 3 -8. 0	-13.3 1.8 -7.5 -10.6 23.7	-21,7 -26,0 -8,6 3,6 -22,5	-14. 3 -13. 3 -24. 1 34. 0 -36. 3	-5.1 10.2 -42.4 104.2 -54.9	-3. 2 -19. 9 -38. 0
1010-1020 1000-1010 1800-1000	(å) (ö) (ö)	24, 0 53, 5 186, 6	-9. 7 12. 1 178. 2	-67. 4 24. 6 227. 1	-51, 0 45, 0 216, 8	-44, 5 88, 4 197, 7	-12.8 9.8 450.2

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

Includes values of miscellaneous products, normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of horse blankets, fly nets, and related products, as follows: For 1929, \$462,698; 1927, \$241,650; 1925, \$647,238; corresponding amounts for earlier years not available. Does not include values of horse blankets, fly nets, and related products made as secondary products by establishments classified in other industries, as follows: For 1929, \$664,946; 1927, \$412,906,009; 1927, \$1023, \$1,000,057; 1921, \$1,356,786; 1919, \$2,22,884. These amounts include the following values of horse blankets made by woolen and worsted mills: For 1920, \$212,209; 1927, \$631,014; 1925, \$786,500; 1923, \$1,338,551; 1921, \$1,173,058; 1919, \$1,606,417. No corresponding data are available for earlier years.

Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

Not called for on schedule.

Per cent not computed where base is less than 100.

#### Table 2.—GENERAL STATISTICS, FOR THE UNITED STATES AND FOR WISCONSIN: 1929, 1927, AND 1919

[Wisconsin is the only State for which figures can be given without disclosing data for individual establishments. Ohio, however, reported a larger value of products than Wisconsin. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments covered—Size]

		Num-	Salaried	Wage carners	arners						CTERIALS, FU ED ELECTRIC		Value of	Valuo
STATE	Census year	ostab-	officers and em- ployees	(aver- age for	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and pur- chased energy	Value of products 2	added by manufac- ture ⁸
United States	1920	14	71	582	1,375	1, 237	138	\$187, 453	\$407, 871	\$1, 470, 670	\$1, 437, 375	\$33, 295	\$2, 895, 158	\$1,424,488
	1927	16	71	600	1,421	1, 262	150	170, 105	574, 177	1, 877, 896	1, 837, 821	40, 075	3, 379, 105	1,501,209
	1919	28	168	706	1,577	1, 217	360	318, 431	551, 278	3, 455, 686	3, 413, 278	42, 413	6, 020, 612	2,564,926
Wisconsin	1929	5	27	182	205	125	80	58, 822	157, 152	536, 247	520, 955	15, 202	853,646	317, 399
	1927	5	22	210	234	150	84	55, 435	162, 360	546, 585	530, 883	15, 702	1,036,269	489, 684
	1919	5	61	183	383	150	233	139, 467	159, 462	1, 222, 818	1, 205, 567	17, 251	1,007,816	684, 998
Other States	4 1929	9	44	400	1, 170	1, 112	58	128, 631	340, 719	934, 423	916, 420	18,003	2, 041, 512	1, 107, 089
	8 1927	11	49	450	1, 187	1, 112	75	114, 670	411, 817	1, 331, 311	1, 306, 938	24,373	2, 342, 836	1, 011, 525
	8 1919	23	107	583	1, 194	1, 067	127	178, 964	391, 816	2, 232, 808	2, 207, 706	25,162	4, 112, 706	1, 879, 928

¹ Not including proprietors and firm members, as follows: For 1929, 5; 1927, 6; 1919, 25. The total numbers of persons engaged—proprietors and firm members, salaried efficers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 658; 1927, 737; 1919, 959.

1 The figures for 1920 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of 

See General Explanations-Value Added by Manufacture.

TABLE 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE.	19	i esti se	1927		1925		19	19	19	14	PER CENT DIST BUTION OF RAT HORSEPOWE CAPACITY	
and Armenda Communication of the Armenda	Number	Capac- ity	Number	Capac- ity	Number	Capac- ity	Number	Capac- ity	Number	Capac- ity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate	60	Horse- power 1, 375	96	I-lorse- power 1, 421	76	Horse- nower 1,773	100	Idorse- power 1,577	104	Horse- power 1, 903	100. 0	100.0
Prime movers, total	8	1, 237	9	1, 262	10	1, 610	10	1, 217	26	1, 570	90.0	77. 2
Steam, total	7	1, 212	8	1, 237	Q 44 m	1, 585	0	1, 192	14	1, 354	88, 2	75. 6
Engines Turbines	5 2	1, 075 137	7	1, 225 12	9	1, 585	9	1, 192	(1) (1)	(1)	78. 2 10. 0	75.6
Internal-combustion engines	.1	25	1	25	1	25	1	25	9 3	146 70	1.8	1.6
Electric motors driven by purchased energy	52	138	87	159	66	163	90	<b>" 300</b>	78	833	10.0	22, 8
Electric motors, total	167	1, 195	191	984	169	975	204	1, 235	246	1, 381	100.0	100.0
Driven by purchased energy	52	138	87	159	66	163	90	360	78	333	11.5	29, 1
porting	105	1,057	104	825	103	812	114	875	168	1, 048	88. 5	70.9
Electric generators	6	Kito- watts 805	5	Kilo- watts 1, 025	5	Kito- watts 698	(2)	(2)	(2)	(*)		*******
Electric energy purchased 1		Kilowat <b>t</b> - hours 115, 754		· (4)		(4)		(2)		(3)		

Not called for separately on schedule.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND FOR WISCONSIN, 1929

[Wisconsin is the only State for which figures can be given without disclosing data for individual establishments. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average	ni santi. Postati a d	er otherwelle Supplied	NUMBER :	EMPLOYED	ON 15TH I	DAY OF MC	NTH OR N	EAREST D	epresenta	TIVE DAY			Per
STATE	number employed during year	January	Febru- ary	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- num is of maxi- mum
United States: 1929 1925 1916 1914 1909	582 694 706 1,669 1,048	558 730 781 1,888 1,664	534 733 745 1,850 1,661	540 714 683 1,814 1,686	576 713 677 1,797 1,665	636 705 678 1,742 1,646	643 680 720 1,714 1,604	590 667 757 1, 603 1, 549	597 649 784 1,460 1,622	571 608 702 1, 512 1, 545	586 661 813 1,541 1,673	590 698 863 1, 531 1, 751	577 709 899 1,576 1,799	82. 9 88. 5 75. 3 77. 3 84. 6
Wisconsin	182	183	180	184	187	180	183	185	168	170	178	198	183	84.8

## HOUSE-FURNISHING GOODS, NOT ELSEWHERE CLASSIFIED

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of comfortables and quilts, bedspreads and bed sets, sheets and pillow cases, tablecloths, lunch cloths, napkins, table and dresser covers and scarfs, curtains and draperies, feather pillows and feather beds, cushions and hassocks, and mops and dusters.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1910 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wago earners (average for the year)		Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products 1	Value added by manufacture ²	Horsepower
1020 1027 1025 1023 1023 1021 1019 1014 1000 1004	964 548 433 452 410 407 370 260 237 200	15, 704 11, 691 9, 307 8, 708 7, 504 7, 853 6, 935 4, 907 4, 778 5, 212		\$16, 150, 490 10, 947, 269 9, 142, 570 8, 454, 350 6, 955, 472 6, 443, 915 3, 306, 515 2, 034, 903 1, 879, 860 1, 837, 552	\$70, 624, 980 52, 704, 736 51, 078, 800 44, 666, 898 35, 106, 227 30, 703, 902 17, 300, 886 12, 370, 808 0, 626, 519 0, 197, 678	\$127, 602, 002 87, 674, 606 78, 654, 503 60, 333, 182 64, 560, 787 60, 211, 804 20, 452, 937 18, 508, 886 15, 010, 028 14, 278, 175	\$50, 977, 013 34, 071, 870 27, 576, 703 24, 660, 284 10, 444, 560 20, 417, 842 9, 062, 051 6, 138, 078 5, 384, 100 5, 080, 407	16, 8 12, 9 10, 7 9, 0 (8) 11, 8 11, 2 0, 0 8, 3 8, 2
entre de la companya de la companya de la companya de la companya de la companya de la companya de la companya La companya de la co				PER CE	NT OF INCREASE OR 1	DECREASE (-)	- est	4. 1
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921	75. 9 26. 6 -4. 2 7. 0 -10. 3	35. 1 25. 0 6. 0 10. 0 -4. 4		47. 5 10. 7 8. 1 21. 5 7. 0	45. 4 3. 2 14. 4 27. 2 -11. 8	13.4 27.1 -9.4	45. 8 26. 8 11. 8 20. 9 —4. 8	21
1910-1929 1909-1919 1899-1909	106. 4 70. 6 24. 4	101. 1 60. 0 -5. 9	500	150, 6 210, 7 10, 7	92. 0 221. 7 34. 5	111. 0 225. 3 20. 0	140, 7 232, 0 20, 8	42 30 0

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

² Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

³ Not called for on schedule.

## TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

ļo:

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Certain of the States, however, for which statistics are shown in combination with those for others reported larger values of products than some of the States shown separately. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

			Salaried officers	Wago earners		OWER TTY) OF MENT	(RATED POWER				TERIALS, FU DELECTRIC I			Valuo
STATE	Census year	ber of estab- lish- ments	and employ- ces 1	(average for the year)	Total	Prline movers	Motors run by pur- chased energy	Salarios	Wages	Total	Materials	Fuel and pur- chased energy	Value of products 2	added by manufac- ture !
United States	1029 1927 1010	964 548 407	2, 730 1, 825 1, 740	15, 794 11, 691 7, 853	16, 806 12, 997 11,857	4, 201 5, 556 6, 152	12,065 7,441 45,705	\$7, 580, 280 4, 787, 552 3, 770, 328	\$16, 150, 400 10, 047, 250 6, 443, 915	\$76, 624, 089 52, 704, 736 39, 798, 962	\$70, 000, 235 52, 218, 435 30, 439, 747	\$624, 754 486, 301 354, 215	\$127, 602, 002 87, 670, 606 60, 211, 804	\$50, 077, 013 34, 971, 870 20, 417, 842
Individual States: California.	1929 1927 1910	89 85 18	162 76 19	791 301 55	777 624 184	5	777 624 179	325, 412 170, 598 34, 559	864, 111 348, 651 43, 100	2, 600, 622 1, 203, 581 276, 241	2, 573, 183 1, 188, 222 260, 252	27, 489 15, 850 6, 989	4, 750, 569 2, 270, 480 440, 532	2, 158, 047 1, 072, 809 173, 291
Connecticut	1929 1927 1919	12 8 8	73 50 141	720 806 874	1, 919 2, 149 3, 115	1, 421 1, 664 2, 077	408 485 1,038	158, 973 105, 179 199, 954	671, 277 606, 459 808, 210	5, 615, 181 3, 018, 301 3, 016, 621	5, 577, 404 2, 973, 583 2, 949, 344	37, 777 44, 718 67, 277	0, 985, 924 4, 940, 384 4, 673, 198	4, 370, 743 1, 922, 083 1, 656, 577
Georgia	1929	7	10	40	87	25	62	15, 610	20, 881	733, 592	729, 623	3, 969	973, 480	239, 888
Illinois	1929 1927 1919	100 66 51	339 221 239	1, 744 1, 050 843	2, 172 1, 788 1, 247	100 200 305	1, 982 1, 538 852	1, 129, 424 687, 147 538, 843	1, 905, 481 962, 818 701, 463	6, 330, 747 5, 815, 130 3, 973, 637	6, 269, 599 5, 753, 932 3, 932, 726	70, 148 61, 198 40, 911	11, 757, 929 9, 725, 391 6, <b>33</b> 6, 79 <b>4</b>	5, 418, 182 3, 910, 261 2, 803, 157
Indiana	1929 1927 1919	9 4 0	26 11 6	88 45 34	66 8 28		66 8 28	22, 062 12, 509 3, 656	51, 849 27, 591 22, 355	161, 355 63, 670 119, 636	158, 386 63, 150 118, 173	2, 969 520 1, 463	351, 031 149, 631 186, 768	189, 676 85, 961 67, 132
Kentucky See footnotes at en	1929 nd <b>of</b> ta	ble.	32	146	891	1	391	101,700	168, 244	610, 588	603, 384	13, 204	1, 206, 112 295	670, 524

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919—Continued [See note at head of this table]

		Num- ber of	Salaried officers	Wage earners	CAPAC	OWER SITY) OF	(RATED POWER				TERIALS, FU			Value
STATE	Census year	estab- lish- ments	and employ-	(average for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials	Fuel and pur- chased energy	Value of products 2	added by manufac- ture ³
Individual States—Con. Louisiana	1929 1927	5 4	15 15	71 70	69 81		69 81	\$27, 550 26, 494	\$33, 586 39, 411	\$194, 601 213, 479	\$192, 625 211, 669	\$1,976 1,810	\$367, 841 390, 113	\$173, 240 185, 634
Maryland	1929 1927	9 5	84	140 103	99 97		90 97	60, 164 36, 844	111, 208 73, 794	657, 703 406, 916	654, 274 400, 361	3, 429 555	1, 008, 116 644, 850	350, 413 237, 934
Massachusetts	1929 1927 1919	94 62 54	297 231 245	1,703 1,422 1,081	908 488 746	383	908 488 863	733, 328 669, 839 534, 139	1, 431, 073 1, 193, 089 793, 381	10, 006, 608 6, 443, 320 5, 129, 815	10, 048, 006 6, 403, 696 5, 091, 557	48, 662 39, 033 38, 258	14, 780, 032 10, 743, 327 7, 708, 426	4, 684, 264 4, 299, 998 2, 578, 611
Michigan	1929 1927 1919	19 10 10	96 65 70	422 365 401	1,098 887 1,008	825 650 1, 085	273 237 523	356, 252 185, 330 260, 396	526, 778 427, 467 347, 894	1, 450, 226 1, 121, 462 801, 934	1, 431, 280 1, 095, 042 780, 797	27, 946 26, 420 21, 137	3, 438, 178 2, 744, 821 1, 954, 741	1, 978, 952 1, 623, 359 1, 152, 807
Minnesota	1929 1927	10 7	87 18	100 59	63 56		63 56	67, 965 53, 591	108, 616 59, 522	490, 303 150, 428	487, 195 148, 515	3, 108 1, 913	891, 132 356, 860	400, 829 206, 432
Missouri	1929 1927 1919	25 22 14	69 42 30	364 232 102	419 382 413		419 382 413	174, 713 103, 427 92, 271	276, 405 184, 980 84, 703	1, 659, 456 1, 059, 070 958, 424	1, 046, 038 1, 048, 847 946, 909	13, 418 10, 223 11, 515	2, 688, 810 1, 713, 853 1, 352, 684	1, 029, 354 654, 783 304, 200
New Jersey	1929 1927 1919	17 16 16	90 92 79	630 701 284	1, 125 838 457	150 150 405	975 688 52	289, 908 215, 042 164, 546	530, 372 648, 260 286, 562	2, 348, 387 2, 030, 090 1, 994, 514	2, 305, 187 1, 987, 739 1, 976, 454	43, 200 42, 351 18, 060	4, 203, 606 3, 835, 951 2, 916, 240	1, 855, 219 1, 805, 861 921, 726
New York	1920 1927 1919	408 200 185	1,054 653 582	6, 435 4, 248 2, 771	4, 527 3, 022 2, 007	915 1,602 637	3, 612 1, 420 1, 370	8, 059, 569 1, 817, 180 1, 288, 655	7, 247, 480 4, 505, 747 2, 304, 274	34, 216, 565 24, 693, 015 18, 015, 026	34, 000, 542 24, 535, 704 17, 034, 018	216, 023 157, 311 81, 010	55, 069, 514 38, 788, 649 25, 466, 855	20, 852, 949 14, 095, 634 7, 451, 829
Ohlo	1929 1927 1919	36 23 29	136 88 101	584 310 340	1, 155 879 793	375 740 620	780 139 173	319, 829 183, 735 182, 769	552, 953 818, 726 245, 491	2, 227, 500 1, 588, 000 1, 426, 907	2, 202, 173 1, 569, 926 1, 405, 688	25, 426 18, 173 21, 314	4, 200, 057 2, 783, 348 2, 105, 360	1, 972, 458 1, 195, 249 738, 369
Pennsylvania	1929 1927 1919	54 44 80	139 120 136	859 742 711	1, 091 968 677	100 350 531	991 648 146	390, 347 274, 501 331, 050	936, 329 757, 978 538, 284	4, 765, 591 3, 029, 940 2, 114, 760	4, 710, 133 2, 986, 768 2, 088, 486	55, 458 43, 172 26, 274	7, 213, 221 5, 122, 153 4, 156, 196	2, 447, 630 2, 092, 213 2, 041, 436
Rhode Island	1929 1927	0 5	16 10	63 57	31 14		31 14	31, 040 11, 718	45, 140 43, 036	171, 850 137, 401	170, 084 135, 536	1,760 1,865	276, 885 221, 571	105, 035 84, 170
Texas	1929	6	5	32	7		7	9, 680	18, 980	191, 058	100, 196	850	255, 016	63, 958
Washington	1929 1927	10 5	16 6	55 26	60 45		59 45	24, 846 17, 316	64, 488 28, 143	180, 569 44, 282	179, 141 43, 463	1, 428 789	347, 367 116, 736	166, 708 72, 454
Wisconsin	1929 1927 1919	11 8 6	28 32 7	168 178 25	251 162 32	150 150 12	101 12 20	158, 745 76, 176 9, 143	107, 348 167, 354 20, 847	532, 622 426, 428 33, 704	523, 601 418, 508 32, 672	9, 021 7, 920 1, 032	991, 668 803, 330 85, 460	459, 040 370, 908 51, 750
Groups of States: Fla., 1 est.; Tenn., 5; Va., 3	1029	0	23	360	378		378	48, 813	307, 418	605, 658	593, 263	<b>12, 2</b> 05	1, 509, 745	064, 187
Me., 1 est.; N. H., 2; Vt., 2	1629	5	16	161	40		40	25, 187	105, 644	613, 080	610, 664	3, 320	852, 023	238, 034
Other States (Ark., 2 ost.; Colo., 1; Iowa, 2; Kans., 1; Okla., 1; Oreg., 3)	1929	10	17	118	74	50	24	48, 563	64, 838	146, 159	144, 251	1, 908	323, 846	177, 687
States not shown separately	1927 1919	24 33	70 78	976 332	529 942	50 2	479 940	140, 866 130, 347	375, 124 247, 345	1, 260, 115 1, 932, 653	1, 247, 744 1, 913, 678	12, 371 18, 975	2, 310, 152 2, 750, 544	1, 050, 637 826, 891

¹ Not including proprietors and firm members, as follows: For 1929, 639; 1927, 442; 1019, 417. The total numbers of persons engaged — proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 19,163; 1927, 13,958; 1919, 10,010.

2 For 1929, figures rofer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products.

3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919 but not in the United States totals.

^{*} Data for purchased power order than Georgia, 3; Iowa, 2; Kansas, 1; Kentucky, 2; Nebraska, 1; New Hampshire, 2; North Carolina, 1; Oklahoma, 2; Oragon, 1; Tennessee, 3; Texas, 2; and Virginia, 2.

* Alabama, 1 establishment; Colorado, 2; District of Columbia, 1; Georgia, 3; Kansas, 2; Kentucky, 3; Louisiana, 2; Maine, 2; Maryland, 3; Minnesota, 3; Nebraska, 1; North Carolina, 4; Oklahoma, 1; Rhode Island, 1; Tennessee, 2; Texas, 1; and Washington, 1.

## TABLE 3.—PRODUCTS, BY CLASS AND VALUE, BY STATES: 1929

[The figures refer to sales (shipments or deliveries) by manufacturers. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments. In some cases, however, certain of the "Other States" reported larger values of products than some of the States for which separate figures are given]

CLASS	Value	Class	Value
1. House-furnishing-goods industry, all products, total value	\$127, 602, 002	House-furnishing goods, not elsewhere classified, all industries— Continued.	
2. House-furnishing goods, not elsewhere classified 3. Other products (not normally belonging to the industry) 4. Amount received for contract work 5. House-furnishing goods, not elsewhere classified, made as	116, 280, 338 7, 020, 373 3, 005, 201	Curtains and draperiesContinued, Ponusylvania. Rhode Island. Wisconsin.	\$1, 479, 306 175, 836 218, 585
secondary products in other industries, value  House-furnishing goods, not elsewhere classified, all industries:	9, 906, 039	Other States (Colo., Conn., D. O., Fla., Ind., Iowa, Ky., Me., Minn., Nebr., N. H., Oreg., Tenn., Tex.,	
Aggregate value (sum of 2 and 5)	126, 186, 377	Wash.)  Feather pillows and feather beds.	7, 718, 501 0, 953, 560
Comfortables, total		California	782, 706
Illinois New York Pennsylvania Other States (Calit., Coun., Ind., Md., Minn., N. J.,	425, 734 1, 736, 450 1, 328, 882	Hinois. Maryland. Massachusetis. Missouri	1, 446, 174 92, 203 212, 397 384, 302
Ohio, Wash.)	3, 413, 626	New Jorsey New York	441, 116 1, 830, 620
Quilts, total	3, 514, 498	Ohio	245, 689
Illinois New York Pennsylvunia Other States (Calif., Conn., Ind., Ky., Mich., Wash.,		Pennsylvania. Other States (Ala., Ark., Colo., Conn., D. C., Ga., Ind., Kans., La., Mich., Minn., Nobr., N. H., Okta., Oreg., R. I., Tonn., Tex., Wash., Wis.)	445, 034 1, 004, 259
Wis.)	540,780	Cushions and hassocks, total	4, 223, 156
Bedspreads and bed sets, total	9, 042, 204	California	019, 560
California Georgia Illinois Now York Ponnsylvania Other Charlet (Inc.) Now Other (Inc.)	1, 412, 613 6, 364, 014	lllinols. New York. Ohlo. Ponnsylvania. Other States (Conn., Ind., Md., Mass., Mich., N. J., Wis.)	236, 206 2, 073, 520 272, 280 145, 552 876, 038
Other States (Ind., Kans., Md., Mass., Mich., Minn., Mo., Ohlo, Tenn., and Wis.)	243, 588	Mops and dustors, total	5, 560, 003
Tablecloths, lunch cloths, and napkins, total	2, 358, 835	California Illinois	78, 646 1, 660, 608
New York. Other States (Calif., III., Mass., Tex., Wash., Wis.)		Louislana Massachusotts Missauri	349, 521 505, 976 312, 300
Table and dresser covers and scarfs, total	4, 741, 425	Now York	397, 386 841, 474
Illinois New York Other Statos (Calif., Md., Mass., Mich., N. J., Ohlo,	4, 400, 921	Pennsylvania. Other States (Ala., Colo., Conn., Fla., Ga., Ind., Iowa, Ky., Minn., Miss., Tenn., Tex., Wis.).	226, 763 1, 236, 290
Wis,)	1	Slip covers, total	9, 920, 944
Curtains and draperies, total	47, 660, 990	Illinois	
California Illinois Maryland	2, 960, 265	Michigan Now York	124, 026 127, 129 806, 107 747, 845
Massachusetts	. 12, 478, 170 464, 151	Other States (Ark., Calif., D. C., Ga., Iowa, Md., Mass., Minn., Mo., Nebr., N. J., Ohlo, R. I., Tenm., W. Va., Wis.)	•
Missouri New Jersey	1, 296, 200	l	2, 115, 237
New York Ohio	16, 200, 004 308, 725	Other house-furnishing goods	31, 291, 061

Table 4.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	,	1929	19	27	1926		1919		1914		PER CENT DISTRIBUTION OF RATED HORSE-POWER CAPACIT	
	Num- ber	Capacity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate.	6, 217	Horse- power 16,866	3,091	Horse- power 12, 997	2, 246	Horse- power 10, 702	1,389	Horse- power 11,857	834	Horse- power 11, 276	100.0	100.0
Prime movers, total	22	4, 201	30	5, 556	34	4, 395	54	6, 152	79	7,024	24, 0	51.0
Steam, total	19	3, 780	33	5, 092	25	3,852	36	5, 427	51	5, 655	22. 4	45.8
EnginesTurbines	16	2, 605 1, 175	30 3	4, 242 850	24 1	3, 502 350	35 1	5, 077 350	(1)	(3)	15, 4 7, 0	42, 8 3, 0
Internal-combustion engines Water wheels and water turbines	1 2	12 409	1 2	12 452	6 3	107 436	13 5	163 562	16 12	161 1, 208	0. 1 2. 4	1. 4 4. 7
Electric motors driven by purchased energy	6, 195 6, 739	12, 665 14, 096	3, 055 4, 026	7, 441 9, 972	2, 212 3, 173	6, 307 7, 729	1, 335 1, 533	5, 705 6, 631	755 918	4, 252 5, 107	75. 1 100. 0	48, 1 100, 0
Driven by purchased energy Driven by energy generated in establishments report-	6, 195	12, 665	3, 055	7, 441	2, 212	6, 307	1, 335	5, 705	755	4, 252	89, 8	80, 0
ing	544	1, 431	971	2, 531	961	1,422	198	926	163	945	10, 2	14,0
Electric generatorsElectric energy purchased 3		Kilowatts 1, 900 Kilowatt- hours 11, 574, 663	17	Kilo- watts 1,491	15	Kilo- watts 1, 145	(2)	(2)	(2)	(1)		

Not called for separately on schedule.
 Not called for on schedule,
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data Incomplete.

Table 5.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909 AND BY STATES, 1929

STATE	Average number employed during year	NUMBER EMPLOYED ON 15TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												Percent mini-
		January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mum is of maxi- mum
United States: 1929	15, 704 9, 307 7, 853 6, 935 4, 907	14, 540 9, 169 6, 576 6, 797 4, 534	15, 229 9, 274 6, 846 6, 872 4, 606	15, 794 9, 426 7, 034 7, 052 4, 673	15, 818 9, 328 7, 024 7, 026 4, 707	15, 502 9, 132 7, 283 7, 034 4, 650	14, 896 8, 779 7, 784 6, 937 4, 750	14, 874 8, 814 8, 385 0, 789 4, 874	14, 003 8, 633 8, 365 6, 769 5, 002	16, 531 0, 331 8, 459 6, 957 5, 202	17, 759 9, 995 8, 689 7, 176 5, 247	17, 653 10, 257 8, 872 7, 051 5, 348	16, 523 10, 041 8, 919 6, 760 5, 282	80, 0 81, 1 73, 7 94, 2 84, 8
California Connecticut Georgia Illinois Indiana	791 720 40 1, 744 88	680 488 47 1,579 68	709 444 43 1,639 68	715 483 45 1, 705 73	740 486 36 1, 749 90	747 487 38 1, 788 101	747 498 39 1, 757 94	712 643 28 1, 675 86	762 763 26 1,693 98	851 971 41 1,767	948 1, 161 37 1, 933 98	902 1, 145 55 1, 875	918 1, 120 51 1, 762 86	70. 7 37. 7 47. 3 81. 7 67. 3
Kentucky Louisiana Maryland Massachusetts Michigan	140 1, 703	145 52 115 1,606 434	145 76 140 1,738 440	157 84 144 1,811 441	145 103 141 1,800 427	145 93 142 1, 795 411	136. 54 140 1,759	184 51 138 1,559 885	184 86 139 1,571 417	144 83 141 1,672 438	157 78 143 1,734 444	161 58 150 1,745 437	154 89 141 1,643 390	83. 2 37. 9 76. 7 86. 1 86. 7
Minnesota Missouri New Jersey Now York Ohio	630 6, 435	95 326 659 6, 032 489	98 336 684 6, 248 604	101 400 677 6, 458 618	102 403 701 6, 416 676	101 429 648 6, 202 650	106 410 651 5, 769 649	106 396 586 5, 520 613	107 343 523 5, 958 553	99 343 580 6,915 572	93 352 583 7, 478 545	94 333 641 <b>7, 44</b> 1 526	02 801 027 6,788 503	86. 0 70. 2 74. 6 73. 8 72. 3
Pennsylvania Rhode Island Texas Washington Wisconsin	32	836 69 32 53 194	849 69 32 49 103	889 72 32 52 196	874 73 32 56 185	879 70 32 54 182	861 65 32 52 178	850 57 32 53 179	835 55 32 54 160	873 53 32 56 140	878 55 32 62 143	850 61 32 62 136	830 56 32 55 133	72. 6 72. 6 79. 0 67. 9

### KNIT GOODS

Description of the industry.—The classification "Knit Goods" embraces all establishments whose principal products are made by machine knitting, without regard to whether the yarns used are of cotton, of wool, of silk, or of other material. The knitting machinery employed is, in the main, power driven, although a few hand machines are in use.

Branches of the industry.—This industry embraces four classes of establishments, whose chief products are respectively, (1) hosiery, (2) underwear, (3) outerwear, and (4) knit cloth, and each establishment as a whole has been assigned to one branch or another, according to the character of its principal products.

Some overlapping occurs among these branches. For example, of the total of \$500,381,773 representing the combined value of hosiery made in the industry as a whole, \$2,956,978 was reported by establishments classified in the underwear, outerwear, and knit-cloth (See Table 5.) Moreover, most of the establishments manufacture some minor products not normally belonging to the industry. (See item 6. first section of Table 3.) For these reasons the total values of the several classes of products, as given in Table 3, are not identical with the total values of all products reported by the establishments assigned to the corresponding branches of the industry, as given, for example, in Table 5.

TABLE 1.—SUMMARY FOR THE INDUSTRY, 1899 TO 1929, AND FOR ITS BRANCHES, 1923 TO 1929, FOR THE UNITED STATES

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations - Establishments Covered - Size)

YEAR OR PERIOD	Number of estab- lish- ments	Wage earners (average for the year)	Wagos	Contract work	Cost of majorials, containers for products, fucl, and purchased clustric onergy	Value of prod- ucts	Value added by namulacture?	Hursa-
THE KNIT-GOODS INDUSTRY  1929	1, 987 2, 323 2, 078 2, 050 1, 022 1, 374 1, 144	208, 488 100, 283 186, 668 104, 244 101, 880 172, 572 150, 520 129, 275 104, 002 83, 691	\$210, 714, 335 188, 163, 468 168, 682, 840 168, 271, 584 132, 190, 340 125, 190, 820 50, 758, 151 44, 740, 223 31, 614, 607 24, 484, 497	\$13, 083, 013 11, 101, 256 16, 721, 128 20, 683, 400 0, 075, 090 8, 405, 082 3, 239, 695 2, 188, 078 724, 247 1, 141, 828	\$450, 700, 958 424, 099, 384 463, 925, 780 484, 920, 975 380, 457, 833 427, 095, 500 140, 687, 458 110, 241, 053 76, 789, 348 51, 195, 330	\$509, 710, 672 818, 620, 404 809, 960, 213 848, 176, 734 604, 673, 805 713, 180, 680 258, 612, 603 200, 143, 527 187, 676, 454 95, 833, 692	\$443, 015, 714 302, 524, 110 300, 034, 433 304, 140, 630 273, 044, 129 112, 225, 445 80, 902, 474 60, 257, 106 44, 638, 362	181, 879 177, 216 170, 630 183, 675 (2) 149, 438 122, 919 101, 319 76, 309 56, 001
Fer cent of increase or decrease (): 1927-1929 1925-1927 1923-1925 1921-1923 1919-1921		0. 6 1. 9 -3. 9 20. 0 -6. 2	12. 0 11. 5 2 27. 3 5. 0	25. 3 -20. 0 -24. 0 127. 9 0. 8	7. 7 -6. 6 -0. 2 34. 3 -15. 6	10. 2 , 8 	12. 0 10. 3 2. 2 33. 1 4. 3	2.0 
1919-1929 1909-1919 1809-1900	-7. 0 49. 2 36. 0	20. 8 33. 5 54. 5	68, 3 179, 8 83, 1	64. 6 203. 7 80. 0	6.9 287.4 116.3	26, 2 256, 3 108, 8	54.0 218.2 101.4	21. 7 47, 5 80, 8
1920	730 672 683 721 8. 0 —1. 6 —5. 3	120, 542 112, 842 103, 930 96, 057	\$140, 078, 880 114, 077, 845 93, 382, 979 78, 762, 857 22, 1 22, 8 18, 0	\$10, 209, 215 5, 724, 609 9, 613, 414 11, 542, 192 78, 3 -40, 5 -16, 7	\$248, 050, 770 226, 930, 536 228, 141, 806 222, 410, 791 8, 1 , 8	\$528, 700, 187 450, 013, 137 421, 180, 221 390, 273, 178 15, 7 8, 5 7, 0	\$280, 043, 417 226, 076, 601 193, 036, 416 107, 802, 387 23, 4 17, 6 45, 6	82, 425 76, 431 67, 647 67, 567 7, 5
1929. UNDERWEAR 1927	251 285	41, 487 40, 227 48, 328 48, 552 —10, 3 —4, 3	\$32, 028, 444 39, 182, 748 40, 144, 509 39, 931, 603	\$584, 840 1, 521, 973 1, 853, 813 690, 096	\$80, 478, 275 90, 727, 774 110, 778, 490 100, 760, 056	\$150, 812, 016 173, 423, 491 188, 570, 118 182, 855, 328	\$70, 366, 741 82, 695, 717 77, 796, 692 75, 595, 272	68, 014 67, 455 70, 755 73, 525
OUTERWEAR 1929	757 775	28, 968 24, 002 27, 980 41, 503	-2. 4 . 5 \$28, 034, 190 26, 100, 062 27, 738, 485 40, 824, 274	-17. 9 168. 6 \$2, 500, 788 2, 650, 270 3, 193, 941 7, 131, 102	*75, 876, 462 64, 122, 021 77, 547, 876 110, 188, 282	*147, 240, 277 125, 940, 929 143, 502, 293 208, 757, 722	6. 3 2. 9 371, 372, 815 01, 818, 008 05, 954, 417 08, 569, 440	22, 411 21, 468 23, 586 23, 586 28, 768
1923 4 Per cent of increase or decrease (): 1927-1929. 1925-1927 1928-1925. KNIT CLOTH	]	17. 5 -11. 9 -32. 6	10. 4 -5. 5 -32. 1	-5. 6 -17. 0 -55. 2	18. 3 -17. 3 -20. 6	16. 0 -12. 2 -31. 3	15. 5 83. 1	3. 4 *** 1. 1 *** 18. ()
1927. 1925. 1925. 1923 4 Per cent of increase or decrease (—): 1927-1929. 1925-1927.	150 137 132 148	8, 401 6, 552 6, 424 7, 232	\$8, 772, 809 8, 102, 903 7, 416, 777 8, 753, 350	\$689, 070 1, 264, 395 1, 055, 763 1, 320, 070	\$51, 692, 451 30, 309, 153 37, 462, 602 44, 660, 946	\$72, 925, 102 60, 842, 937 56, 707, 581 66, 700, 506	\$21, 232, 741 21, 033, 784 10, 214, 970 22, 129, 560	19, 029 11, 662 14, 342 13, 815
1927-1929. 1925-1927 1923-1928.	9. 5 3. 8 10. 8	20. 6 2. 0 -11. 2	8. 3 9. 3 -15. 3	-45.5 19.8 -20.0	31. 5 4. 0 -16. 1	20. 0 6, 4 15, 1	$\begin{bmatrix} 0 & 3 \\ 0 & 3 \\ -13 & 0 \end{bmatrix}$	-(3. 2 -18. 7 3. 8

¹ The figures for all years refer to production, not sales. See General Explanations—Value of Products.
1 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
1 Not called for on schedule.
1 No comparable data for years prior to 1923.

Table 2.—General Statistics for the industry, 1929, 1927, and 1919, and for its branches, 1929 and 1927, by states

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. Certain of the States for which statistics are given in combination with those for others reported larger values of products than some of the States shown separately. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

THE KNIT-GOODS INDUSTRY United States. 1 1 1 Individual States: Alabama 1	1929 1927 1919	1, 888 3	and em- ploy-	arners (a ver- ge for the year)	Total	Prime mov- ers	Motors run by pur- chased energy	Salaries	Wages	Paid for contract work			Fuel and	Value of products 1	added by manufac-
United States. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1927 1919 1929	1, 888 ³ 1, 860 ³									Total	Materials and con- tainers	pur- chased energy		ture 2
United States.   1   1   1   1   1   1   1   1   1	1927 1919 1929	1, 888 3 1, 869 3		- 11										·	
Alabama 1		2, 000	14, 029 12, 969 12, 613	208, 488 190, 283 172, 572	181, 879 177, 216 149,438	70, 201 75, 940 89, 758	111, 588 101, 276 159, 680	\$42, 846, 788 34, 569, 194 32, 326, 582	\$210, 714, 335 188, 163, 458 125, 199, 820	\$13, 983, 913 11, 161, 256 8, 495, 982	\$456, 700, 058 424, 090, 384 427, 005, 560	\$448,746,206 416, 187, 834 421, 630, 358	7, 911, 550	816, 620, 494	392, 521, 110
[ 1	1927	20 13	111 60	2, 607 2, 026	2, 856 1, 844	670 16 400	2, 186 1, 828 1, 155	205, 182 159, 553		430, 614	3, 958, 793 4, 358, 917 3, 274, 965	3, 873, 935 4, 291, 117 3, 218, 346	[ 67,800]	6, 666, 184 5, 958, 343 4, 757, 008	2, 707, 391 1, 590, 426 1, 482, 043
1	1919 1929 1927 1910	10 48 43 21	205 201 208	1, 655 1, 834 1, 447 695	1, 555 1, 147 1, 076 207	217	1 .	781, 260 476, 379 324, 404	2, 048, 776 1, 654, 103 496, 284	4,750 1,309	4, 566, 200 3, 582, 972 1, 517, 130	4, 519, 342 3, 547, 861 1, 506, 303	46, 858 35, 111 10, 836	10, 302, 739 8, 174, 050 2, 878, 226	5, 736, 539 4, 591, 084 1, 361, 087
Connecticut1	1919 1929 1927 1919	16 15 21	128 115 194	1, 343 1, 367 2, 649	2, 223 2, 298 4, 594	2, 100 1, 696 3, 393	123 602	305, 230 303, 787 465, 764	1, 220, 375 1, 421, 319 2, 226, 920	390 2, 622	2, 371, 708 2, 318, 778 5, 349, 220	2, 304, 505 2, 227, 870 5, 226, 385	67, 113 90, 908	4, 981, 129 5, 181, 152 9, 332, 776	2, 600, 421 2, 802, 374 3, 083, 556
Georgia1	1929 1927 1919	44 37 28	325 300 209	6, 018 6, 025 3, 805	5, 810 5, 022 4, 325	1 -	5, 050 4, 322	739, 695	3, 632, 232 3, 376, 352 2, 321, 090	119, 229 161, 604	10, 841, 044 9, 493, 768 6, 815, 016	10, 578, 512 9, 290, 204 6, 672, 995	262, 532 203, 564	10, 377, 923 16, 760, 900 12, 566, 787	8, 536, 879
Illinois	1929 1927 1919	47 55 58	309 413 412	4, 137 4, 440 5, 005	4, 183 4, 626 3, 644	1, 982 1, 993 1, 477	1 1	1, 057, 042 933, 100 1, 082, 228	3, 836, 514 3, 908, 423 3, 808, 741	52, 977 37, 431	8, 682, 420 9, 478, 690 11, 701, 032	8, 481, 863 0, 217, 182 11, 526, 862	200, 557 261, 508	16, 948, 041 17, 553, 482 20, 469, 360	8, 265, 621 8, 674, 792 8, 750, 328
Indiana	1929 1927 1919	11 9 8	553 319 202	5, 953 5, 319 2, 675	3, 982 2, 676 1, 786	525 1, 570	3, 982	1, 143, 870 1, 073, 045	7, 486, 854 6, 254, 271 2, 220, 459	277, 750	13, 705, 353 12, 127, 049 5, 615, 352	13, 567, 505 11, 939, 180 5, 546, 130	187, 809	32, 153, 951 29, 067, 291 9, 801, 928	18, 388, 508 16, 940, 242 4, 186, 576
Kentucky	1029 1027	10 7	70 51	1, 195 1, 173	699 683	100			714, 080 061, 980	147, 370 13, 973	1, 491, 966 1, 220, 821	1, 458, 935 1, 197, 202	33, 031 23, 619	2, 937, 213 2, 503, 548	1, 445, 247 1, 372, 727
	1929 1927 1919	8 8 7	43 48 57	843 968 749	495 680 606		585	112,052	457, 108 565, 678 366, 853	8 63, 406	1, 127, 680 2, 210, 993 1, 772, 537	1, 103, 218 2, 178, 150 1, 744, 350	32, 837	2, 225, 809 3, 333, 097 2, 687, 490	1, 098, 210 1, 122, 104 914, 950
	1929 1927 1919	86 93 77	838 1,043 804	8,817 9,660 12,751	14,812	6, 174 8, 733 11, 24	3 6,079	2, 704, 408 2, 770, 919 2, 004, 457	8, 945, 286 9, 339, 034 11, 364, 036	481, 460	22, 315, 903	20, 003, 210 21, 863, 151 30, 730, 778	152,752	41, 050, 135 43, 930, 724 52, 424, 235	21, 020, 821
	1929 1927 1919	20 20 31	236 177 259	2,780 2,660 3,170	4, 417 4, 188 3, 073	3, 033 1, 860 1, 470	0 2, 328		2, 464, 450	){	4, 503, 971 5, 278, 582 6, 790, 386	4, 367, 400 5, 098, 534 6, 655, 330	1 180, 048	9, 705, 972 10, 880, 616 12, 030, 377	5, 602, 033
	1929 1927 1919	(4) 16	(5)	2, 162 (a) 3, 564	2, 570 (8) 1, 480	2,009 (5) 1,20	(5)	(5)	2, 031, 32 ( ⁵ ) 2, 297, 95	(4)	(5)	4, 483, 593 (5) 7, 408, 288	(5)	10, 905, 850 (5) 13, 984, 946	(5)
	1929 1927 1919	16 16 16	186	2, 077 2, 032	3, 514 2, 890	2, 97, 2, 71	530	419, 598 286, 337	1, 684, 54 1, 784, 98	16, 408 120, 317	4, 082, 904	3, 429, 004 3, 974, 083 5, 047, 034	3 108,881	7, 092, 863	3, 306, 59 3, 009, 80 3, 897, 52
	1929 1927 1919	83 85 90	405	6, 827 5, 975	8, 501 5, 514	1,02 3,22	0 2, 481 5 2, 289	1, 594, 210 1, 333, 457			16, 526, 862	17, 438, 086 16, 304, 209 15, 219, 586	241, 704 222, 563 0 130, 318	35, 480, 33 35, 851, 31	17, 800, 54 10, 324, 45
	1020 1027 1019	563 577 682	2, 783 7 2, 660 2 3, 178	31, 558 31, 825 41, 372	44, 302 48, 926 48, 206	20, 85 23, 25 28, 91	1 23, 511 0 25, 676 0 19, 296	8, 468, 507	31, 978, 00 33, 953, 02	4, 985, 506 1 4, 498, 263	84, 013, 775 84, 841, 105	82, 204, 145	2 1, 719, 633 1 2, 062, 784 3 1, 705, 125	158, 110, 01: 159, 818, 010 195, 376, 64	74, 006, 23 74, 076, 91 80, 410, 80
	1929 1927 1919	158 128 121	1,025	22, 930 17, 427	18, 76; 13, 71;	H	1 .	2, 767, 586 1, 640, 145	18, 160, 04 11, 961, 32 5, 991, 16	5 513, 383 6 302, 089 4 101, 330	48, 439, 895 37, 370, 779 17, 582, 402	47, 616, 36 36, 824, 10 17, 202, 67	0 823, 535 9 546, 670 3 379, 729	86, 112, 76, 61, 365, 80, 20, 833, 56	5 37, 672, 87 5 23, 995, 02 8 12, 251, 16
Ohio	1929 1927 1919	38 38 38	5 230	3, 967	2, 93° 3, 13°	7 1,08 7 89	0 2, 24	614, 08	3, 819, 80 3, 796, 08	l l	l,	10, 180, 94 8, 756, 85 10, 990, 12	1	ľ	8, 250, 54 8, 185, 32 7, 690, 60
	1929 1927 1919	482 487 606	7 3,069	9l <b>51.</b> 987	39, 029 34, 229 26, 35	10, 54 2 12, 10 9 14, 71	28, 48 22, 11 5 11, 64	11, 772, 33 8, 815, 62 7, 720, 46	78, 990, 92 63, 393, 86		1 145, 113, 947 3 117, 757, 369 116, 696, 778	11	6 2, 017, 971 6 1, 796, 673	294, 322, 88 234, 166, 33	0 149, 208, 93 7 116, 408, 96 0 71, 564, 02
	1929 1927 1910	19 21 20	1 10	5 1,636	1, 16 1, 72	0 22	25 94- 90 1,23	357, 67 370, 30 4 469, 60	1 1, 228, 84		4, 606, 277 6, 428, 638	П	3 08, 734 6 89, 509 3 58, 003	7, 039, 02 10, 724, 48 11, 936, 31	3 4, 205, 84
South Carolina.	1029 1027 1919	15 15 14	1 4	5 1,08	1 1,38	0 10 8 7 7 52	70 1,31	8[[ 90, 76	1 627, 57 2 586, 52 3 424, 78	75 16 10 22, 85	1, 646, 923 1, 658, 883 1, 246, 186	1, 596, 60 1, 617, 16 1, 212, 09	50, 318 55 41, 717 3 34, 003	2, 828, 52 3, 016, 98 2, 076, 03	2 1, 181, 59 6 1, 358, 10 6 829, 85
Tennessee	1929 1927 1919	61 51	5 66 9 59	1 17, 835 5 16, 545	12, 24 2 11, 46	5 2 38 1 3 34	9, 85 12 8, 11	1, 836, 10 1, 882, 67	7 11, 377, 34 2 10, 436, 62	1	26, 688, 698	III .	520, 500 506, 259	1	8 21,717,60 7 18,946,20
Utah	1929 1927 1919	10	0 7	4 400 7 249	34 0 11	1	84 11	1 129, 78 7 99, 77	1 300, 69 1 171, 21	)7	621, 189 415, 163	604.96	35 16, 224 32 7, 91	1, 185, 88 912, 62	0 504,69 6 407,46

## KNIT GOODS

Table 2.—GENERAL STATISTICS FOR THE INDUSTRY, 1929, 1927, AND 1919, AND FOR ITS BRANCHES, 1929 AND 1927, BY STATES—Continued

							[Se	o note at he	ad of this ta	ble]					
	Cen-		Sal- aried officers	Wage	CAPAC	POWER CITY) OF PMENT	(RATED POWER			Paid for	FOR PROI	ATERIALS, CON OUCTS, FUEL, ELECTRIC ENI	AND PUR-		Value
STATE	sus year	estab- lish- ments	and em- ploy- ces	(aver- age for the year)	Total	Prime mov- ers	Motors run by pur- chased energy		Wages	contract work	Total	Materials and con- tainers	Fuel and pur- chased energy	Value of products 1	added by manufac- ture 3
THE KNIT-GOODS	1										<u>`</u>				
Individual States				İ											
Continued. Vermont	1929 1927	7 7	36 75	1, 184	1, 085			\$129, 070 146, 304	\$1, 012, 462 1, 102, 761	\$1,558 105	\$2, 137, 888 2, 424, 930	\$2, 083, 410	\$54,478	\$4,600,082	\$2,468, 194
Virginia	1919	7 21	58 119	1, 105	978	693	285	146, 394 130, 050 388, 985	010,438	35, 218	3, 094, 642	2, 355, 847 3, 047, 408	47, 144	5, 063, 201	1, 968, 559
	1027 1010	21 21 10	133	3, 122	1, 914	679	1, 235	367, 344	1, 863, 426 1, 879, 849 1, 002, 361	42, 806 42, 451	5, 243, 313 5, 733, 510 2, 002, 140	5, 143, 447 5, 646, 731 2, 843, 134	90, 866 86, 788 50, 006	9, 381, 123 9, 054, 805 4, 684, 504	3, 321, 286
Washington	1920 1927	8	22 33	180 286	192		81 192		197, 551	1.800	301,702 545,481	205, 877 538, 670	1 1	583, 145	281, 443
Wisconsin	1919 1929	52 57	28 1, 123	11, 118		4, 335	33 4, 100		71,375	100	159, 620	157, 340	2, 280	400, 802	
	1027 1010	72	1, 396 1, 173	11,008 8,736	8, 435 7, 729 5, 413	4, 500 3, 920	3, 169	2, 900, 855 2, 958, 501	12, 469, 766	445, 848 77, 646	25, 144, 478	20, 882, 992 24, 737, 779 23, 988, 227	408, 898 406, 699 228, 641	55, 838, 366	30, 257, 574 30, 603, 888 16, 560, 836
Groups of States: Ark., 1 est.; La., 3; Mo., 4;															•
Tex., 4	1929	12	63	1,096	537	40	497	230, 641	653, 748		2, 150, 330	2, 112, 620	43,710	3, 304, 107	1, 147, 807
Oreg., 5; Wyo., 1	1929	9	224	1,464	628		628	597, 039	1, 338, 050	52, 124	3, 263, 836	3, 224, 181	39, 655	7,881,500	4, 617, 760
Other States (Del., 1 est.; Me., 3; Miss.,														,	2,, (0.0
4; W. Va., 3)	1929	11	- 111	2, 400	1, 826	370	1, 456	238, 674	1, 660, 778	231, 708	3, 303, 450	3, 200, 737	93, 722	6, 287, 855	2, 894, 396
States not shown separately	41927 71919	46	730 161		6, 345 1, 975	1, 983 508	3, 362 1, 407	1, 703, 597 397, 171	5, 150, 024 1, 075, 397	150, 272	14, 200, 145	13, 980, 301	270, 844		13, 004, 580
HOSIERY				2,000	1,5,0	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,401	201,111	1,010,011	30, 550	4, 087, 007	4, 576, 583	01, 114	8, 040, 643	3, 372, 040
United States.	1020 1027	730 672	67, 106 80, 172	120, 542 112, 842	82, 425 76, 431	24, 371 27, 595	58, 054 48, 836	22, 114, 048 17, 523, 181	140, 078, 886 114, 677, 845	10, 200, 215 5, 721, 609	248, 656, 770 229, 939, 530	244, 458, 646 226, 017, 607	4, 108, 124 8, 021, 020	528, 700, 187 456, 913, 137	280, 043, 417
Individual States: Alabama	1020 1027	11	67 32	1,544 1,375	1, 246	120	1, 126	110, 852	845, 652	430, 614	2, 000, 000 2, 980, 714	2, 016, 596 2, 949, 171	43, 500	3, 814, 109	1, 754, 013
Georgia	1020	31	233.	4, 530	083 3, 407	16 735	007 2, 072 3, 824	75, 025 538, 303	090, 590 2, 726, 490	119, 220	2, 980, 714 7, 998, 534	2, 949, 171 7, 880, 491	40, 543 108, 043	4, 013, 412 14, 020, 184	1, 023, 698 6, 021, 650
Illinois	1927 1929	26 18	244 216	5, 126 2, 813 2, 911	4, 484 2, 928	660 1,332	3, 824 1, 596	642, 107 563, 145	2, 879, 763 2, 413, 171	101, 604 43, 500	7, 803, 324 5, 610, 300	7, 631, 707 5, 457, 494	171, 617 152, 815	13, 912, 714 10, 245, 824	6, 109, 390
Indiana	1027 1020	17 6	225 507	2, 911 5, 034	3, 376 3, 350	1,332 1,333	2, 043 3, 350	519, 613 1, 059, 883	2, 340, 347	1, 107	6, 080, 354	5, 864, 786	215, 568	10, 701, 000	4, 635, 515 4, 620, 712
Massachusetts	1929 1927	18 18	201	2, 528	1, 496	154	1,342	701, 081	6, 657, 132 3, 179, 056	34, 320 184, 213	11, 621, 119 4, 054, 617	11, 455, 114 3, 957, 924	166, 005 96, 693	28, 238, 628 10, 270, 620	16, 617, 509 6, 225, 003
Michigan	1020	6	259 86		4, 696 029	1,406 650	3, 200 279	905, 804 220, 673	3, 735, 915 730, 944	359, 746	0, 348, 133 1, 515, 404	6, 201, 175 1, 470, 420	143, 958 35, 984	14, 242, 273 3, 730, 485	7, 894, 140
New Hampshire	1927 1929	10	84 122	1,092 1,533	1, 013 2, 654	685 2, 270	328 384	249, 675 201, 811	961, 440 1, 229, 410	16, 468	2, 504, 136 2, 335, 431	2, 430, 503	64, 573	4, 361, 306	2, 215, 081 1, 857, 260
New Jersey	1020 1027	31 23	220 214	4, 934	2, 486 3, 783	1, 010 2, 445	1, 470	930, 469 894, 093	7, 850, 380 6, 908, 236	896, 295 811, 037	10, 638, 056 11, 783, 591	2, 278, 080 10, 485, 304 11, 657, 000	50, 445 152, 662	4, 758, 570 23, 996, 589 27, 274, 340	2, 423, 148 13, 358, 533
New York	1929	19	310	4, 120 4, 052 1, 758	3, 240 1, 199	1,860	1,338	801, 776 523, 476	5, 509, 302 2, 146, 131	1, 901, 961 47, 805	10, 451, 507	11, 657, 009 10, 315, 642 3, 477, 890	126, 402 135, 805	24, 510, 444	
North Carolina.	1027 1020	. 18 142	123 862	1,758 10,670 14,941	12, 301	150 3, 610	1, 040 8, 781	i i	10, 118, 628	- 11	3, 554, 925	3, 477, 890 41, 207, 124	135, 865 77, 035 696, 180	8, 658, 210	5, 103, 285
Pennsylvania	1927 1929	117 284		H	0, 380 28, 846	3, 610 3, 358 7, 213	6,022	2, 240, 475 1, 240, 170 8, 955, 013	10, 380, 378 66, 890, 781	513, 383 362, 089 5, 360, 030	41, 903, 304 32, 890, 578	32, 413, 671	696, 180 476, 907	75, 506, 332 52, 993, 881 221,702,551	33, 603, 028 20, 103, 303
Rhode Island	1927 1920	277 6	2, 471 2, 142	40, 494 327	28, 846 25, 372 97	7, 218 8, 734	21, 633 16, 635	0, 438, 008	52, 934, 734	5, 360, 030 2, 811, 434	98; 658, 649 87, 371; 663		1, 497, 741 1, 377, 482	181,681,103	94, 312, 500
Tennessee	1027 1020	6 8	10 31	513	591	350	241	30, 302 95, 736	200, 282 571, 334	26, 054 35, 933	369, 426 960, 848	362, 482 910, 970	6, 944 19, 872	787, 423 2, 099, 541	417, 997 1, 138, 693
	1927	56 51	524 494	13, 402 12, 838	6, 483 6, 442	1, 347 1, 905	5, 136 4, 537	1, 459, 794 1, 561, 602	8, 532, 285 7, 907, 015	2, 559 118, 304	19, 858, 267 20, 581, 793	19, 528, 545 20, 222, 386	320, 722 350, 407	35, 679, 932	16, 690, 671 15, 098, 139
Virginia	1929 1927	13 12	60 70	1, 898 1, 930	817 649	230 150	587 499	211, 576 169, 604	1, 085, 272 1, 050, 149	42, 806	2, 616, 253 2, 580, 014	2, 563, 010 2, 527, 957	53, 243 52, 057	4, 907, 476 4, 275, 584	2, 201, 223 1, 605, 570
Wisconsin	1929 1927	18 16	000 889	8, 178 8, 126	5, 529 5, 339	2, 870 3, 120	2, 659 2, 219	2, 346, 078 1, 843, 241	9, 607, 798 9, 849, 381	3, 358 380, 569	10, 171, 331 18, 803, 388	15, 882, 779 18, 521, 650	288, 552 281, 738	39, 918, 715 42, 921, 845	23, 747, 384 24, 118, 457
Groups of States: Conn., 4 est.; Md., 5; Vt., 3;						:									
W. Va., 3 Miss., 4 est.; S.	1929	15	140	2, 930	1, 909	100	1, 890	307, 730	1, 998, 682	232, 039	4, 350, 621	4, 245, 053	114, 568	8, 107, 605	3, 808, 044
C., 10; Tex., 3		17  of tobl	64	1, 442	2,020	375	1,645	178, 849	886, 948		1, 927, 148	1, 857, 716	69, 432	3, 496, 316	1,569,168
See footnotes at	ena	or table	e,	1											

TABLE 2.—GENERAL STATISTICS FOR THE INDUSTRY, 1929, 1927, AND 1919, AND FOR ITS BRANCHES, 1929 AND 1927, BY STATES—Continued

Part   Control   Part	<u> </u>							96)	e more are mer	id of this tal	n101					
Part		Con		aried	Wage earners	CAPAC	ITY) OF	(RATED POWER			Dold to	FOR PROD	UCTS, FUEL,	AND PUR-		Volue
Counters   Counter   Cou	STATE	sus	estab- lish-	and em- ploy-	age for		mov-	run by pur- chased	Salaries	Wages	contract	Total	Materials and con- tainers	pur- chased	products 1	added by manufac
Gramme distance (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr. 1 est.)  (Agr.			C/	1	<i>d</i>			energy	./	l. e		1./		(ZOIB)	Loren	
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States and shown sparrated y. 1967 72 Sez 13, 067 0, 264 03, 288 0, 141 2, 304, 606 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605 12, 304, 605	Mo., 1; Ohio,	1929	29	329	4, 194	2, 507	495	<b>2</b> , 012	\$1,004,178	\$3, 611, 567	\$401,780	\$0, 508, 208	\$6,374,568	<b>\$</b> 133,730	\$14,061,309	<b>\$</b> 7, 553, 011
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Individual States   1600   7					,	)	.,	9,1.2	2,001,001	12,001,100	(104, 021	20, 0.37, 070	20, 172, 070	314, 700	04,004,771	25, 407, 000
Individual States   1600   7	United States.	1929 1927	251 285	11 2, 849 11 3, 142	41, 487 46, 227	58, 014 67, 455	28, 095 37, 004	29, 019 30, 451	7, 947, 963 7, 736, 393	32, 928, 444 39, 182, 748	584, 840 1, 521, 973	80, 475, 275 90, 727, 774	78, 658, 646 88, 592, 355	1, 816, 629 2, 135, 419	150, 842, 016 173, 423, 401	70, 366, 741
Georgia   1907   0   0   71   113   1,751   22   1,720   116,305   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005   25,005	Individual States: Connecticut	1920 1927	7 6	108 46	1, 192 1, 005				202, 409	1, 086, 070 1, 038, 261	390	1, 974, 719	<del></del>		4, 250, 711	
Massachusstis. 1920 12. 12. 25. 26. 2. 11. 25. 25. 27. 27. 27. 27. 27. 27. 27. 27. 27. 27	Georgia		9 8	57 42	1, 113 744	1,751 442	25 40		116, 254 75, 429	671, 265 361, 965		2, 204, 376			4, 218, 743	
Michigan   1952   4   113   1,457   2,90   1,002   34,802   1,006,805   2,245,071   2,245,072   2,341,056   102,202   6,741,814   3,461,505   1,364,421   1,005,804   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,506   1,367,50	Massachusotts_		15	258	j j	] .	1	!!!	747, 036		1 1	5 063 304		1	12, 038, 806	
New York.   1929   65   889   12, 418   21, 761   22, 862   44, 761   22, 862   44, 761   22, 862   44, 761   22, 862   44, 761   26, 862   27, 762   28, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 862   24, 86	Michigan	1929			1 1	2, 304	1,925	379	345, 330	1, 096, 882	[. <b></b>	2, 420, 971		i i	1	
North Carolina. 1929 7 1012 2, 458 1, 544 3, 100 1, 013 49, 606 1, 167, 840 4, 580, 607 4, 580, 607 4, 580, 607 7 1012 2, 580 4, 148 3, 100 1, 014 323, 776 1012 2, 580 4, 148 3, 100 1, 014 323, 776 1012 2, 580 4, 148 3, 100 1, 014 323, 776 102 2, 280, 014 4, 100, 100 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014 1, 014	New York	1929	69	801	12,615	24, 670	12, 555		170, 453		f ()			l l	5, 741, 848	
Olio 1929 5 10d 1,146 886 270 615 822,750 62,27,50 62,287,50 62,287,50 62,283,467 2,332,46 32,80 4,508,40 2,132,132 116,537 10 127 6 80 402 6,188 5,180 1,485 3,685 177,50 3,485 170,248 181,249 181,637,20 18,818,87 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77 10 11,65,77	North Carolina.	1929		120		5, 243	3.860	. 1	1	15, 728, 285	l .	31, 480, 402 4, 590, 671	4 541 994	970, 036	61, 302, 820	
Pennsylvania   1927   6   84   1,187   805   226   616   227,103   1925, 506   7,762   1,171, 327   1,687, 606   1,187   1,687, 606   1,187   1,788   1,768   1,177, 328   1,878, 108   1,187   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888   1,888	Ohio		) }		; )	J J	J	, ,	1		, ')	4, 358, 801	4, 296, 184	i i	8, 160, 104	3, 801, 303
Utah   1927   80   402   6, 180   5, 680   1, 740   8, 340   1, 165, 799   3, 100, 120   181, 222   14, 637, 200   14, 858, 868   227, 750   10, 370, 700   10, 370   343, 940   10, 370, 200   10, 380   10, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30, 380   30		1927	G	84	1, 187	805	250	645	227, 034		ł	2, 376, 274		32, 807	1	
Vermont 1927		1927	89	462	6, 186	5, 080	1,740	3, 340	1, 177, 332 1, 105, 792	5, 656, 173 4, 969, 126	179, 360 181, 224	16, 813, 867 14, 637, 200	16, 580, 170 14, 439, 803	224, 688 197, 307	28, 367, 577 25, 013, 424	11, 553, 710 10, 876, 224
Virginia.   1020   7   31   650   1, 232   220   1, 008   100, 185   306, 584   1, 132, 806   1, 106, 877   27, 108   1, 002, 515   520, 620   Wisconsin.   1020   5   46   424   558   176   363   184, 780   364, 714   1, 322, 365   1, 208, 824   23, 831   1, 001, 811   Groups of States:   N. H.   2   265;   1, 208, 12   265;   1, 218, 12   1, 102, 115   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145   1, 145	Utah			26 21	105 131	53 52			46, 282 27, 796	75, 351 91, 272	4, 212	149, 556 196, 327	144, 559 1 <b>92</b> , 974	4, 997 3, 353	343, 946 308, 150	194, 390 201, 823
Wisconsin. 1920 5 46 424 538 176 363 184,780 304,714 1,32,655 1,298,824 23,831 1,091,811 669,166  Groups of States: N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est., N.H., 2 est.		1	3			1 1	1	1	90, 609	866, 212		1, 794, 079	1, 748, 011	46,068	4, 013, 003	2, 219, 014
Groups of States: N. H., 2 ost.; 'N. J., 2; R. L.,  1029		) .	7	1	]	1 1		'				- 1	1, 105, 877	27,018	1, 962, 515	829, 620
N.H., 2 ost.; N.J., 2; R. I., 2	Groups of States:	1929	0	40	424	538	176	363	184,780	364, 714		1, 322, 655	1, 298, 824	23, 831	1,001,811	069, 156
Ala., 6 est.; 'Md., 1's. C., 1: 'Tonu., 7.   1929   16   178   5,086   6,006   1,047   4,059   449,078   3,163,007   9,217   7,783,478   7,597,303   186,085   13,446,958   5,663,480    Other States (Calif., 1 est.; Ill., 3;1nd., 3; 'Minn., 2)   1929   0   430   3,300   3,636   2,659   977   1,086,400   3,102,391     7,014,806   6,936,861   108,035   15,044,805   8,809,000    States not shown separately   1927   52   876   12,405   13,828   5,011   7,887   2,127,460   9,501,855   40,008   25,122,066   24,013,050   500,016   46,683,509   21,546,443    OUTERWEAR United States:   1929   787   13,241   23,988   22,411   7,633   14,005   7,281,043   20,199,902   2,600,779   64,122,221   62,006,743   1,170,719   147,249,277   71,372,815    Individual States:   1929   43   151   1,280   607   74   14,005   7,245   40,005   23,646   1,632,007   1,300   2,233,785   2,202,765   20,070   4,760,032   2,590,997    Illinois   1929   25   80   511   400   7471   225,546   1,632,007   1,300   2,233,785   2,202,765   20,070   4,760,032   2,590,997    Massachusetts   1929   37   228   1,091   1,234   1,234   719,037   1,500,538   34,621   5,347,743   5,200,465   57,338   9,122,608   3774,605   1,622,941   1,234   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005	N. H., 2 est.; N. J., 2; R. I.,	1929	6	79	1, 511	1, 143	710	433	299, 502	1, 240, 521		3, 282, 602	3, 213, 557	09,045	5, 462, 553	2, 179, 951
Other States (Calif., 1 lest.; 111., 3; 1 dest.; 2 logs   1920   0   430   3, 300   3, 630   2, 650   977   1, 086, 400   3, 102, 391	Md., 1; S. C.,					,										
Till, 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind., 3; Ind	Other States	1929	16	178	a, usa	6,006	1,047	4,959	449, 078	3, 163, 607	9, 217	7, 783, 478	7, 597, 393	186,085	13, 446, 958	5, 663, 480
States not shown separately	, Ill., 3; Ind., 3;	1929	n	430	3 306	2 11211	9 650	0.777	1 000 400	B 100 001						
OUTERWEAR United States:   1920	States not shown											7, 014, 896	6, 936, 861	108, 035	15, 944, 805	8, 899, 909
Individual States: California		**1927	92	870	12,405	13, 828	5, 1111	7, 887	2, 127, 460	9, 501, 855	40, 068	25, 122, 066	24, 013, 050	509, 016	46, 668, 509	21, 546, 443
Individual States: California	United States.		757 775	18 3, 261 13 2, 985	28, 968 24, 662	22, 411 21, 668	7, 508 7, 466	14, 908 14, 202	9, 931, 823 7, 281, 043	28, 934, 196 26, 199, 962	2, 500, 788 2, 650, 279	75, 876, 462 64, 122, 921	74, 699, 743	1, 176, 719	147, 249, 277 125, 940, 929	71, 372, 815 61, 818, 008
Hinois   1929   25   80   511   400     400   239, 616   617, 245   0, 477   1, 731, 460   1, 706, 827   24, 633   3, 254, 401   1, 522, 941   1, 935   1, 938   1, 163   1, 234   1, 938   10   429   40, 751   94, 677     301, 477   1, 781, 460   1, 936   1, 123   1, 938   10   429   441, 304   1, 186, 472   27, 804   1, 207, 758   2, 049, 347   38, 411   4, 837, 446   2, 746, 685   1, 347, 748   1, 138, 411   4, 837, 446   1, 138, 411   4, 837, 446   1, 148, 617   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 618   1, 148, 6	Individual States: California	1929	43		1, 280	697	92	605	445, 474	1, 248, 139	4, 750					
Massachusetts. 1929 37 228 1, 961 1, 234 1, 234 719, 037 1, 500, 536 34, 521 5, 347, 743 5, 220, 405 57, 338 9, 122, 608, 589 3, 774, 085 1, 087, 787 1, 198, 198, 198, 198, 198, 198, 198, 1	Illinois	1929			511	400		400	289, 616	1,032,007	1, 809 9, 477		2, 202, 765 1, 706, 827	20, 970 24, 633	4,750,032 3,254,401	1, 522, 941
Minnesota	Massachusetts	1929	. 87		1,961	1, 234		1, 234	719, 037	1, 560, 536	34, 521	5, 347, 743	1, 968, 480 5, 290, 405	25, 781 57, 338	3, 896, 246 9, 122, 698	1, 901, 985 3, 774, 955
Minnesota 1929 9 20 125 96 96 40, 751 94, 677 301, 477 354, 532 0, 945 661, 325 289, 848   New Jersey 1929 400 1, 316 11, 836 11, 603 235 588 234, 161 1, 186, 472 27, 804 2, 087, 758 2, 049, 347 38, 411 4, 837, 446 2, 749, 688 234, 161 1, 186, 062 36, 503 2, 005, 672 2, 049, 829 45, 843 4, 610, 602 2, 615, 020   New York		1929		25	11	1				111 111 111	61, 442		the second second			
New York — 1927 52 104 965 823 235 588 284, 161 1, 186, 002 36, 503 2, 005, 672 2, 049, 327 45, 843 4, 610, 602 2, 515, 020 1927 403 1, 384 10, 107 11, 935 5, 340 6, 592 2, 277, 787 11, 1908, 534 2, 322, 301 30, 009, 030 20, 434, 814 634, 225 69, 320, 816 29, 251, 777 676 1027 20 122 2, 285 1, 542 126 1, 447, 316, 072 2, 406, 584 19, 105 6, 220, 474 5, 127, 075 03, 309 10, 342, 349 5, 121, 1879 2, 240, 182 120 120 120 120 120 120 120 120 120 130 120 120 120 120 120 120 120 120 120 12					- 15		10	L		94, 677	0" 00	361, 477	354, 532	6, 945	651, 325	289, 848
Ohio 1927 403 1, 334 10, 107 11, 935 5, 340 6, 696 3, 277, 787 11, 998, 534 2, 322, 391 30, 009, 030 20, 434, 814 634, 256 50, 810, 816 20, 251, 777 11, 926 21, 187 2, 560 1, 542 125 1, 417 316, 972 2, 405, 584 19, 105 5, 220, 474 5, 127, 075 93, 309 10, 342, 349 5, 121, 876	_	1927	52 400	104	965	1	235	588	284, 161	1, 186, 062	36, 593	2, 095, 672	2, 049, 829	45,843	4, 610, 692	2, 515, 020
1 1027   20   122   2, 285   1, 547   125   1, 477   316, 172   2, 465, 584   11, 115   5, 200, 227   0, 1127, 075   03, 309   10, 342, 343   5, 121, 175   03, 309   10, 342, 343   5, 121, 175   03, 309   10, 342, 343   5, 121, 175   03, 309   10, 342, 343   5, 121, 175   03, 100   0, 342, 343   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125   0, 121, 125	and the second second	1927 1929	403	1, 334 187	10, 167 2, 560	11,935	5, 340	6, 598		11, 908, 534	2, 322, 391	30, 009, 039	20, 434, 814	634, 225	59, 320, 816	29, 251, 777
		1927	20	122	2, 285	1, 542	126	1, 417	316, 972	2, 405, 584			5, 127, 075	77, 636 93, 399		5, 121, 87 h

TABLE 2.—GENERAL STATISTICS FOR THE INDUSTRY, 1929, 1927, AND 1919, AND FOR ITS BRANCHES, 1929 AND 1927, BY STATES—Continued

	Cen-	Num- ber of	Sal- aried officers	Wage earners		OWER ( ITY) OF I MENT				Paid for	FOR PRO	IATERIALS, C DUCTS, FUEL, ELECTRIC EN	AND PUR		Value
STATE	sus year	estab- lish- ments	and em- ploy- ees	(average for the year)	Total	Prime mov- ers	Motors run by pur- chased energy	Salaries	Wages	contract work	Total·	Materials and con- tainers	Fuel and pur- chased energy	Value of products 1	added by manufac- ture ²
OUTERWEAR-CON.		<u>- 400 - </u>			·								,		
Individual States— Continued.	:						-								
Pennsylvania	1929 1927	96 100	389 360	4, 571 4, 506	2, 182 2, 225	425 614		\$1,002,249 901,433	\$4, 149, 893 4, 408, 185	\$90, 826 123, 870	\$11, 820, 706 11, 071, 183	\$11, 675, 458 11, 505, 896	\$1 <b>54, 83</b> 8 10 <b>5, 2</b> 87	\$21,135,416 20, 941, 290	\$0, 305, 620 0, 270, 107
Utah	1929 1927	5 4	48 46	205 118	288 65		288 65	83, 499 71, 975	225, 346 70, 942		471, 633 218, 836	460, 406 214, 278	11, 227 4, 558	841, 934 514, 470	870, 301 205, 640
Washington	1929 1927	8 9	22 33	180 286	81 192		81 192	37, 104 69, 003	159, 067 197, 551	1, 800	301, 702 545, 481	205, 877 538, 676	5, 825 0, 805	583, 145 1, 170, 408	281, 443 624, 922
Wisconsin	1929 1927	20 34	417 367	2, 516 2, 135	2,368 1,037	1, 290 950	1, 078 687	1, 255, 438 796, 653	2, 227, 751 1, 800, 003	03, 544 05, 270	3, 797, 004 4, 030, 444	3, 701, 389 3, 965, 756	96, 515 73, 688	0, 638, 938 8, 190, 541	5, 841, 034 4, 151, 097
Groups of States: Conn., 2 est.; M.o., 3; N. H., 4; R. I., 4; Vt. 1_	1929	14	35		411	220	101	81, 925	208, 889		603, 148	594, 184	8, 904	1, 140, 050	<b>537,</b> 508
Ga., 2 est.; Ind.,								97, 1.21	400,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	500, 210		5, 5,7-	1 2 2 2 3 3 3 3	(01) (00)
1; Ky., 2; Mo., 1; Tenn., 1	1920	7	43	400	600		699	121, 400	333, 451	*********	630, 177	603, 597	26, 580	1, 349, 000	710, 732
Other States (Del., 1 est.; Md., 1; N. C., 7; Oreg., 5; Va., 2; Wyo., 1).	1929	17	187	1, 246	629	140	489	400, 800	883, 000	12, 669	3, 081, 375	3, 046, 409	34, 907	6, 781, 372	8, 600, 007
States not shown								,			' '	,			' '
soparately KNIT CLOTH	141927	44	267	1, 301	1, 365	202	1, 103	613, 247	1, 121, 474	3, 984	3, 070, 668	3, 001, 618	68, 950	0, 577, 486	3, 500, 918
United States	1929 91927	150 137	15 813 16 670	8, 491 6, 552	19, 029 11, 662	9, 422 3, 875	9, 007 7, 787	2, 852, 954 2, 928, 577	8, 772, 809 8, 102, 903	089,070 1,204,395	51, 692, 451 39, 309, 153	50, 920, 171 38, 041, 766	703, 280	72, 025, 102 60, 842, 937	21, 232, 741 21, 033, 784
Individual States: Massachusetts	1029	10			5,707	4, 780		447, 254	1, 645, 078		5, 036, 110	5, 810, 190	CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	March Branch	THE PERSON NAMED IN COLUMN 1
	1027	12	102	1	887	195	692	362, 460	002, 422	60, 272	5, 623, 645	5, 543, 408	80, 147	8, 290, 542	
Michigan New York	1929 1929	3 75	[		1,110 4,049	1,057 1,195	3, 754	34, 431 1, 107, 923	78, 918 2, 832, 623	470, 144	118, 921 15, 601, 419	110, 101 15, 317, 191	8,700 287,228	170, 301 23, 402, 407	7, 857, 988
	1927	74	310	-, -, -,	5,805	1,540	4, 205	927, 702	4, 170, 071	833, 472	19, 730, 739	10, 340, 251	381, 488	30, 536, 170	10, 805, 431
Pennsylvania	1029 1927	17 21	139 105	1, 960 781	2,871 1,545	1, 415 1, 020	1,456 525	637, 737 310, 300	2, 204, 075 1, 021, 815	20, 105 123, 008	17, 812, 235 4, 077, 323	17, 671, 031 4, 020, 700	141, 204 50, 017	23, 117, 336 6, 527, 460	5, 305, 101 2, 450, 137
Rhode Island	1020 1027	7 7	41 38	360 480	523 653	15	523 638	147, 644 136, 781	433, 011 600, 731	2, 191 223, 722	2, 688, 080 3, 678, 974	2, 662, 560 3, 651, 719	25, 520 27, 255	3, 498, 830 5, 707, 380	810, 750 2, 028, 415
Groups of States: Ala., 3 est; Ga., 2; 'Md., 1; 'S. C., 1; Tex., 1.	1929	8	. 18	128	737	570	107	87, 150	79, 278		853, 097	831, 088	21, 100	1, 177, 528	324, 431
N. C., 2 est.; Tenn.,1; Va.,2	1920	5	41	1, 324	2, 155	70	2,085	145, 089	800, 308		3, 308, 686	3, 203, 029	105, 657	5, 047, 734	1, 739, 048
Other States (Conn., 3 est; Ill., 1; Ind., 1; Mo., 2; N. J., 11; Ohio, 1)	1929	19	£ E	g ry "i	001	00.5	ggo	928 700	doo soo	יטן פאר אינין	R 970 004	8 900 00U	Am Ono	n 920 nor	1 400 004
States not shown			55		887	835	552	235, 726	608, 528	187, 630	5, 370, 894	5, 323, 021	47, 873	6, 832, 985	1, 402, 001
separately	101027	23	115	1, 272	2,772	1, 105	1, 667	291, 184	1, 308, 804	23, 861	0, 198, 472	6, 076, 502	121, 880	0, 272, 376	3, 073, 904

¹ The figures for all years refer to production, not sales. See General Explanations—Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
3 Not including proprietors and firm members, as follows: For 1920, 823; 1927, 988; 1919, 1,488. The total numbers of porsons engaged—proprietors and firm members, salaried officers and employees, and wage carners—as reported for the industry, are as follows: For 1929, 223, 340; 1927, 204,232; 1919, 186,073.
4 Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State items for 1919 but not in the United States

salaried officers and employees, and wage camers—as reported for the plant by belt or shaft) are incided in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the came in the ca

Table 8.—KNIT GOODS—PRODUCTION, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1923 TO 1929

[The figures for all years refer to production, not sales. See General Explanations—Value of Products]

KIND	1929	1927	1925	1923
Knit-goods industry, all products, total value	\$809, 716, 672	\$816, 620, 494	\$809, 960, 213	\$848, 176, 73
Knit goods, value	\$880, 811, 820	\$800, 696, 781	\$792, 294, 280	\$822, 103, 38
Cotton yarns for sale: 1 Pounds. Value. Cotton waste for sale: 1 Pannes	8, 430, 308 \$3, 018, 436	6, 168, 831 \$1, 891, 301	8, 098, 470 \$3, 638, 632	14, 734, 70 \$6, 045, 40
* V41140	13, 738, 311	15, 298, 967	12, 308, 808	18, 216, 17
Value Old bagging and ties, value Other products (not normally belonging to the industry), value.	\$911, 694 \$10, 253	\$1, 013, 101 \$14, 015 \$7, 116, 708	\$1, 320, 815 \$86, 212 \$2, 039, 028 \$10, 580, 346	\$1, 989, 48 \$41, 68
Receipts for contract work  Knit goods made as secondary products in other industries, value	\$6, 612, 203 \$8, 352, 257 \$364, 328	\$5, 888, 588 \$729, 959	\$10, 580, 346 \$2, 205, 816	\$3, 598, 97 \$13, 497, 74 \$4, 299, 57
nit goods, all industries: Aggregate value (sum of 2 and 8)	\$881, 176, 157	\$801, 426, 740	\$704, 560, 096	\$820, 402, 00
Hosiery, except infants', athletic, and golf hose— Total dozon pairs————————————————————————————————————	111, 190, 705	103 166 976	90 777 400	07 439 00
ļ—	111, 190, 705 \$500, 381, 773	103, 166, 976 \$440, 572, 650	90, 777, 400 \$403, 864, 233	97, 432, 92 \$378, 732, 87
Full-fashioned— Dozen pairs— Valuo————————————————————————————————————	31, 929, 245 \$311, 634, 126	21, 035, 100 \$232, 785, 006	13, 899, 973 \$148, 151, 061	11, 230, 80 \$129, 250, 87
Seemless				
Dozen pairs Value	70, 261, 460 \$188, 747, 647	\$2, 131, 777 \$207, 786, 654	85, 877, 433 \$255, 713, 172	86, 202, 06 \$249, 473, 00
Infants' hose— Total dozen pairs—— Total value————————————————————————————————————	6, 174, 838 \$11, 244, 403	6, 838, 939 \$13, 020, 707	( ² / ₃ )	(3)
Full-fashioned—	59, 596	35, 246	(2)	/o\
Dozen pairs Value Seamless	\$180, 357	\$109, 515	(3)	(2) (2)
Dozen pairsValue	6, 115, 242 \$11, 064, 046	6, 803, 693 \$12, 911, 192	(2)	(2) (2)
Underwear, total value	\$135, 092, 008	\$148, 664, 366	\$163, 276, 772	\$100, 901, 7
Shirts and drawers— Total dozen pieces Total value	8, 801, 924	8, 619, 188	11, 261, 521	12.746.5
· · · · · · · · · · · · · · · · · · ·	8, 801, 924 \$37, 669, 519	8, 619, 188 \$38, 961, 030	11, 201, 521 \$60, 845, 028	12, 746, 5 \$61, 683, 0
All-cotton— Dozen pieces	7, 179, 762 \$23, 088, 586	7, 175, 728 \$24, 022, 053	9, 300, 880 \$36, 822, 270	11, 558, 43 \$44, 325, 23
All-wool— Dozen pieces Value	1	60, 597	46, 865	фчч, одо, 26 111, 55
Cotton and wool mixed—	50, 105 \$815, 505	\$1, 393, 111	\$1, 186, 700	\$2, 235, 0
Dozen pieces	380, 355 \$4, 300, 713	373, 059 \$4, 696, 334	605, 955 \$8, 715, 897	722, 8 \$8, 104, 1
Dozen pieces Value	119, 958 \$1, 902, 450	150, 200 \$2, 305, 830	485, 308 \$7, 950, 794	251, 0 \$5, 023, 3
Silk and rnyon mixed— Dozen pleces. Value	57, 001 \$497, 449	24, 454	(3) (3)	(3)
Ravon—	1	\$356, 559 754, 458	501, 377	
Dozen pieces	1,002,098 \$6,960,273	754, 458 \$5, 762, 554	\$4,440,006	(2) (2)
Dozen pieces	11, 085 \$104, 543	80, 692 \$424, 589	165, 046 \$1, 723, 352	102, 6 \$1, 005, 2
Union suits— Total dozens	8,891,124	9, 785, 906	11, 500, 387	10, 745, 9
Total value	\$70, 837, 155	\$83, 684, 762	\$00, 214, 800	\$00, 218, 7
All cotton— Dozens Value	7, 377, 755 \$50, 397, 842	8, 339, 636 \$50, 268, 975	10, 248, 867 \$73, 700, 339	0, 411, 8 \$74, 130, 2
All-wool— Dozens	. }			
Cotton and wool mixed—	\$3,076,060	104, 285 \$2, 966, 489	\$2, 452, 112	25, 2 \$035, 8
Dozens. Value Silk	\$11, 195 \$11, 725, 176	702, 110 \$14, 293, 925	808, 457 \$16, 402, 041	1, 134, 6 \$19, 658, 8
Dozons	30, 620 \$802, 887	53, 241 \$965, 940	124, 703 \$2, 655, 186	93, 1 \$2, 542, 1
Dozens	34, 537	20, 762	1	
Value	\$326, 629	\$181, 487	(3)	(3) (3)
ValueOther fibers-	480, 612 \$4, 302, 271	\$4,965,710	137, 296 \$2, 578, 449	(1)
Dozens. Value  Bloomers and stop-ins	20, 342 \$205, 390	123, 727 \$1, 042, 238	111, 322 \$1, 426, 763	80,7 \$1,951,6
Bloomers and stop-ins— Dozens	2, 382, 841	1,759,603 \$17,396,005	(3)	
Slips and petticoats—	\$18, 319, 129	\$17, 396, 005	(9)	(3) (5)
DozensValue	258, 779 \$2, 119, 767	217, 752 \$3, 027, 355 \$5, 595, 205	(a) (s)	(3) (1)
Infants' underwear, value  See footnotes at end of table,	\$6, 146, 438	\$5, 595, 205	\$3, 216, 854	(3)

TABLE 3.—KNIT GOODS—PRODUCTION, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1923 TO 1929—Continued

KIND	1929	1927	1926	1923
Knit goods, all industries—Continued. Outerwear, total value	\$149, 850, 408	\$120, 079, 402	\$147, 002, 812	\$197, 158, 178
Sweaters, sweater coats, jerseys, etc.— Dozons Value	4, 807, 422 \$80, 428, 942	3, 780, 648 \$74, 642, 692	3, 714, 034 \$84, 898, 608	4, 455, 096 \$111, <b>1</b> 59, 030
Bathing suits— Dozens. Value Sen's and shawls—	1, 021, 433 \$22, 084, 308	730, 807 \$15, 857, 238	694, 867 \$16, 322, 154	972, 448 \$17, 554, 058
Dozens and shift is— Dozens Value  Headwoar, except infants'—	126, 911 \$1, 163, 118	187, 754 \$2, 214, 684	491, 945 \$4, 661, 093	979, 902 \$10, 355, 051
Dozons Value Nockties—	\$3, 783, 126	700, 412 \$3, 876, 630	804, 028 \$4, 511, 372	842, 843 \$4, 813, 062
Dozons Value Athletic and golf hose— Dozon pairs	627, 727 \$1, 717, 051 1, 105, 498	1, 810, 377 \$5, 852, 997 950, 357	2, 705, 072 \$8, 960, 652 573, 016	3, 323, 925 \$12, 317, 321
Value Dresses and suits— Number	1, 108, 408 \$4, 770, 259 1, 023, 446	\$4, 278, 433 808, 481	\$3, 958, 529	(a) (b)
Value Infants' outerwear, value Other outerwear, value	\$11, 100, 093 \$8, 393, 707	\$6, 251, 642 \$6, 800, 246 \$9, 214, 840	(8) (8) \$9, 063, 635 \$14, 716, 769	( ³ ) ( ³ ) ( ³ ), 959, 959
Knit cloth, total value	\$07, 818, 801	\$50, 171, 607	\$55, 454, 344	\$68, 520, 578
Wool jersey	7, 211, 709 \$7, 742, 006	10, 230, 203 \$11, 200, 075		
Other knit woolens— Square yards Value Silk jersoy, including nillanese—	\$4, 408, 731	1, 874, 877 \$2, 725, 556	42, 171, 774 \$36, 451, 267	38, 703, 19 \$49, 367, 21
Square yards Valuo Rayon tubing, including tricoletto	4, 127, 260 \$3, 115, 764	3, 509, 474 \$2, 802, 200	\$50, 451, 267	\$20, 507, 21
Square yards. Value. Other knit rayon— Square yards.	\$29, 700, 519	28, 818, 056 \$20, 873, 180	(1)	(0)
Value Cotton jersey Square yards	\$800, 027	(t) (t) (t)	(3)	(9)
Value Corsot cloth—	\$4,756,320	(1)		(4)
Square yards. Value. Other corset cloth— Square yards.	\$1,581,770	(9)	(9) (9)	(8)
Square yards. Value Glove and shoe linlugs, value Stockinette, value Other kult cloth, value.	\$2,900,730 \$4,654,090 \$1,234,004	\$4, 773, 415	(4) (4) \$4, 631, 600 \$2, 167, 678 \$ \$12, 203, 709	(1) (4) \$5, 830, 15 \$2, 830, 47 \$10, 480, 72
Other knit goods, value.		\$13, 917, 918	\$24, 871, 935	\$21, 089, 57

Cotton yarns and cotton waste are produced for sale principally by establishments classified in the "Octton goods" industry and the "Waste" industry, respectively. The figures here given relate only to yarns and waste for sale as secondary products of establishments engaged primarily in the production of knit goods.

Not called for on schedule.
Not reported separately; included in "Other knit cloth."

See factuate 4.

# TABLE 4.—PRINCIPAL PRODUCTS OF THE INDUSTRY, BY QUANTITY AND VALUE, 1929, AND BY QUANTITY, 1927, BY STATES

[This table presents statistics for the States for which separate figures can be given without disclosing data for individual establishments. In some cases, however, certain of the "Other States" reported larger quantities and values than some of the States shown separately. The figures for both 1929 and 1927 represent production, not sales. See General Explanations—Value of Products]

	VALUE	QUAN	TITY	DD OD HOW AND SWAME	VALUE	QUAN	TITY
PRODUCT AND STATE	1929	1929	1927	PRODUCT AND STATE	1929	1929	1927
Hosiery, except infants' hose and athletic and golf hose, total	\$500, 381, 773	Dozen pairs 111, 190, 705	Dozen pairs 103, 166, 976	Hosiery, except infants' hose and athletic		-	
Alabama	3, 380, 360	1, 554, 341	2, 231, 182	and golf hose—Continued. Mixtures—Continued. Rayon and cotton, total	\$32, 017, 530	Dozen pairs 15, 304, 975	Dozen pairs 8, 750, 303
Georgia Illinois	12, 410, 808 9, 689, 279	5, 556, 135 4, 285, 364	6, 163, 157	Georgia North Carolina	2, 217, 028	970, 535	(1)
Indiana	26, 105, 988 9, 201, 128	2, 912, 028 1, 031, 992	4, 828, 754 (1) 2, 223, 497	North Carolina Pennsylvania Tennessee	12, 722, 424 6, 319, 503	7, 295, 444 2, 924, 235	3, 400, 230 2, 352, 480
Massachusetts New Hampshire	4, 285, 947	1, 116, 185	1, 230, 171	Tennessee	3, 913, 343 1, 225, 525	1, 608, 402 325, 781	1, 107, 812 326, 102
New Jersey New York	23, 815, 185 18, 912, 899	2, 594, 830 2, 699, 522	2, 167, 097 2, 276, 003	Other States	5, 619, 707	2, 180, 578	2 1, 506, 670
North Carolina Pennsylvania	74, 523, 643 211, 437, 820	32, 320, 985 29, 002, 551	2, 276, 003 25, 053, 988 24, 210, 659	Triple mixtures, total	10, 974, 041	3, 046, 260	3, 534, 771
Tonnacco	35 466 960	1 11 01 <i>d</i> 595 (	12, 033, 338	North Carolina. Pennsylvania	2, 454, 980	835, 089	638, 306
Virginia	4, 493, 087 37, 550, 832	2, 083, 232 5, 339, 330	2, 255, 890 5, 807, 357	Other States.	1, 260, 327 7, 258, 734	471, 732 1, 739, 439	1, 253, 186 1, 643, 270
Other States	29, 108, 528	8, 779, 625	1 11, 776, 883	Infants' hose, total	11, 244, 403	6, 174, 838	6, 838, 939
Cotton, total	49, 557, 195	33, 394, 816	43, 237, 772		4, 942, 938	2, 768, 595	3, 881, 046
				Pennsylvania Tennessee Other States	958, 396 5, 343, 069	700, 127 2, 702, 116	634, 808 2, 322, 908
Alabama Georgia	1, 651, 600 3, 612, 666	1, 076, 278 3, 330, 368	1, 838, 272 4, 796, 969	Cotton, total	2, 577, 480	1,777,893	3, 052, 052
Illinois North Carolina	4, 700, 187 15, 559, 490	3, 089, 344 11, 937, 652	3, 751, 131 13, 553, 953	Pennsylvania	516, 984	387, 246	1, 304, 724
Pennsylvania Tennessee Virginia	4, 768, 712 10, 368, 882	2, 888, 080 5, 822, 126	4, 231, 326 6, 706, 314	Pennsylvania Tennessee Other States	829, 872 1, 230, 630	629, 457 761, 100	591, 210 1, 156, 109
Virginia	1, 008, 966	657, 804	1, 326, 773	WoolStile	272, 145 280, 419	87, 033 57, 424	243, 059 88, 590
WisconsinOther States	1, 897, 133 5, 989, 559	648, 115 3, 945, 049	1, 008, 774 5, 964, 260	Pure-thread silk with liste or cotton tops, heels, and toes	922, 994	499, 802	187, 058
Wool, total		448, 428	565, 471	Rayon with cotton tops, heels, and	062,001	400,002	201,000
Pennsylvania	90, 818	12, 293	30, 688	toes, total	2, 364, 268	1, 252, 413	1, 653, 820
Wisconsin Other States	520,068	12, 293 135, 234 300, 901	196, 578 338, 205	Pennsylvania.	2, 305, 681 58, 587	1, 216, 670 35, 743	1, 439, 378 214, 445
Silk, total	1	6, 974, 811	8, 566, 455	Other States	404, 976	138, 175	171, 810
		1, 248, 061		Rayon and cotton mixed, total	2, 512, 630	1, 467, 805	060, 593
Indiana Massachusetts	14, 070, 873 5, 068, 217	361, 087	(1) 135, 435	Pennsylvania Other States Other fibers	692, 324 1, 820, 306	434, 446 1, 033, 419	668, 00 202, 50
New Jersey New York	3, 985, 723 3, 500, 345	302, 562 204, 199	258, 451 (1) (1)	Other fibers	1, 909, 485	803, 633	481, 03
Now York North Carolina Pennsylvania	4, 377, 920 36, 278, 578	551, 374 3, 430, 576	(i) 1, 654, 500			Dozen pleces	Dozen piece
Other States Pure-thread silk with lisle or cotton	6, 457, 240	876, 952	2 1, 517, 970	Shirts and drawers, total	37, 669, 519	8, 801, 024	8, 610, 189
tops, heels, and toes, total	219, 334, 957	23, 646, 432	19, 297, 408	Massachusetts New York Pennsylvania	3, 013, 534 14, 571, 006	524, 070 2, 985, 183 3, 105, 060	723, 999 3, 125, 75 2, 731, 389
Massachusetts	2, 418, 512	228, 081	314, 457	Pennsylvania Other States	8, 484, 512 11, 600, 407	3, 105, 060 2, 187, 611	2, 731, 389 2, 038, 049
New Jorsey New York North Carolina	19, 076, 735 5, 438, 136	2,002,491 590,325	1, 865, 008 481, 032	Cotton, total	23, 088, 586	7, 179, 762	7, 175, 72
North Carolina	14, 450, 992	1,696,891	988, 020	Massachusetts	1,870,763	304, 008	
Pennsylvania Tennessee	10, 305, 603	12, 832, 250 1, 451, 104 2, 173, 802	10, 769, 542 871, 114	Now York Pennsylvania	0 155 483	2, 395, 039 2, 745, 245	528, 300 2, 715, 753 2, 341, 730
WisconsinOther States	24, 392, 514 20, 730, 680	2, 173, 802 2, 611, 488	2, 012, 071 1, 996, 072	Other States	6, 029, 835	1, 644, 780	1, 589, 03
Rayon with cotton tops, heels, and		la de Caralle	t failur	Wool, total	815, 505	50, 105	60, 50
toes, and all-rayon, total	46, 741, 256	16, 400, 918	3 11, 541, 268	New York Other States	476, 358 339, 149	36, 148 13, 957	27, 976 32, 62
North Carolina	20, 715, 264	8, 858, 506	6, 152, 746			1 1	
Pennsylvania Tennessee	. 5,012,772	8, 858, 506 2, 538, 124 1, 793, 512 3, 210, 776	1, 040, 998 3 1, 146, 950	Connecticut		380, 855 110, 840	373, 05
Other States	9, 918, 605	3, 210, 776	3, 200, 574	New York	1, 049, 921	89, 337	134, 83
Mixtures: Cotton and wool, total	10, 555, 368	3,760,579	4, 204, 486	Other States	1, 470, 375	171, 160	94, 50
		l		Silk, total	1, 902, 450	110, 958	150, 20
Pennsylvania	990, 367 991, 095	374, 328 263, 895 348, 913	509, 506 328, 294 430, 008	New York Other States	1, 129, 764 772, 686	66, 087 53, 871	73, 82 76, 37
New Hampshire Pennsylvania Wisconsin Other States	1, 376, 354 7, 197, 552	348, 913 2, 773, 443	430, 008 2, 936, 678	Rayon, total	6, 960, 273	1,002,008	754, 45
Silk and wool	i	155, 621	ł .	New York	2, 646, 827	388, 403	
Silk and cotton	28, 834, 575	2, 926, 442	361, 271 697, 830	New York Pennsylvnnia Other States Other fibers	1, 400, 121 2, 853, 325	261, 886 351, 800	153, 10 259, 29 342, 00
Silk and rayon, total	20, 630, 651	4, 176, 375	6, 301, 328	Other fibers	601, 992	69, 646	105, 14
North Carolina Pennsylvania	3, 608, 200 7, 946, 724	993, 119	958, 114 1, 683, 697 798, 053 640, 737	Union suits, total	70, 837, 155	Dozens 8, 801, 124	Dozens 9, 785, 90
Tennessee	.1 2.094.401	1, 360, 876 511, 135	798, 053	Connecticut	723, 477	30, 600	
Wisconsin Other States	1, 527, 884 5, 453, 442	294, 944 1, 018, 301	640, 737 2, 220, 727	Massachusetts	2,077,275 3,788,075	336, 319 305, 055	31, 39 335, 26 285, 22 2, 471, 50
Rayon and wool, total.	1 ' '	955, 048	1, 099, 615	New York North Carolina	18, 484, 365 4, 572, 983	2, 225, 993 663, 427	2, 471, 50
				Pannsylvania	0 010 151	1, 967, 276	625, 33 2, 170, 94
	1 090.427	n 118.780	1 (1)	U VIRKIDIS	1,759,328	260, 431	270,04
New Hampshire Pennsylvania Wisconsin	916, 522	118, 786 201, 325 222, 228 412, 709	(1) 353, 006 174, 474 572, 135	Virginia Wisconsin Other States	1, 681, 537 27, 850, 964	120, 645 2, 981, 378	274, 00 3, 313, 10

## KNIT GOODS

Table 4.—PRINCIPAL PRODUCTS OF THE INDUSTRY, BY QUANTITY AND VALUE, 1929, AND BY QUANTITY, 1927, BY STATES—Continued

	VALUE	QUAN	IITY	DECENTARI AND OFFICE	VALUE	QUAN	71 FY
PRODUCT AND STATE	1929	1929	1927	PRODUCT AND STATE	1929	1020	1927
Union suits—Continued. Cotton, total	\$50, 307, 842	Dozens 7, 377, 755	Dozens 8, 339, 636	Scarfs and shawls, total.	\$1, 163, 148	Dozens 126, 011	Dozens 187, 764
Cleorgia	2, 033, 291	831, 368	307, 000	New York	803, 305	85, 046	120, 845
Massachusetts New York North Carolina Pennsylvania	1, 161, 749 12, 033, 840	153, 417 1, 795, 613 662, 875	132, 097 2, 228, 678 625, 333	Other States	350, 813	41,865	(માંગ, કાનમ
North Carolina	4, 500, 088	662, 875	625, 333	Knit headwear, except infants', total	3, 783, 126	783, 425	7(0), 41.
PennsylvaniaVirginia	7, 825, 477 1, 759, 328	1, 054, 815 260, 431	1, 036, 445 260, 040		1, 596, 694	250, 376	172, 184
Virginia Other States	21, 018, 209	2, 510, 236	2, 849, 044	New York Ohio Wisconsin	1, 204, 015 742, 436	350, 332 121, 800	2501, 630 2501, 321
Wool, total	3, 076, 960	136, 003	104, 285	Other States	150, 581	45, 648	31,650
New YorkOther States	1, 512, 418 1, 504, 542	67, 013 69, 050	50, 615 53, 670	Neckties, total	1,717,051	627, 727	1, 810, 37
	)	811, 195	702, 110	1	636, 710	124, 312	414, 174
Cotton and wool mixed, total	9 197 343	124, 853		New York Pennsylvania Other States	806, 251 274, 090	414, 084 89, 331	414, 173 1, 296, 42 00, 75
New York	3, 538, 302	249, 276 437, 066	132, 203 110, 740 459, 107	COURT DEED AND AND AND AND AND AND AND AND AND AN	.,,,	Dozen pairs	Dozen pair
Massachusetts New York Othor States Silk	2, 127, 343 3, 538, 302 6, 059, 531 802, 887	30, 620	53, 241	Athletic and golf hose, total	4, 770, 259	1, 105, 408	950, 85
Rayon, total	1	480, 612	442, 145	New York	1, 110, 167	213, 205	88.44
New York	1,037,733	103, 160	61, 986	New York Ponnsylvania Other States	491, 573 3, 168, 519	81,960 810,327	567, 83 200, 67
New York Pennsylvania Other States Other fibers	1,176,623 2,087,015	207, 102 170, 260	121, 896 258, 263	Other States	.,,		Number
Other fibers	532, 010	54, 870	144, 489	Dresses and suits, total	11, 160, 093	Number 1,023,446	86%, 48
Bloomers and step-ins, total	18, 319, 129	2, 382, 841	1,750,603		1, 491, 330	114, 267	(1)
New York	5, 576, 121 5, 617, 203	643, 907 953, 310	701, 895 488, 177	Now York	6, 842, 834	50%, 760 163, 391	365, 10
New York Ponnsylvania Other States	7, 125, 805	785, 534	500, 531	Now Jersoy Now York Ponnsylvania Other Hattes	6, 842, 834 1, 054, 883 1, 771, 047	157, 009	1 560, au
Cotton, total		482, 007	458, 218	Infants' outerwear, value	1	(1)	(0)
New York	550, 726	139, 308	223, 098 195, 285			Souare vard	Namare wur.
New York. Pennsylvania. Other States. Silk.	1,035,676 119,281	312, 810 20, 880	30, 835	Wool Jersey, total	7, 742, 000	Square yardi 7, 211, 760	10, 236, 24
Silk	1, 924, 878	92, 053	140, 574	New York	1, 954, 884	1, 3128, 901	400, 34
Rayon, total	13, 811, 839	1,714,560	1,005,188	li e		6, 892, 778	9,776, vi
New York Ponnsylvania Other States	3, 735, 944	442, 850 559, 985	453, 584 210, 506	Other knit woolens, total	4, 408, 731	2, 50%, 053	1, 874, 57
Other States	3, 032, 432 6, 443, 403 876, 729	559, 985 711, 725 94, 221	431, 008 56, 623	Now York Other States	1, 708, 054	1, 900, 873	851, 50 1, 023, 31
Other fibers	1	<b>1</b> 1	· .	11	1	1, 507, 080	1
Slips and petticonts, total		258, 770	217, 752 90, 402	3lik Jersey, including unlanese, total	3, 115, 764	4, 127, 260	H, 500, 47
Rayon Other fibers	1, 542, 280 577, 487	74, 304	121, 260	New York	1, 040, 697 1, 475, 067	1, 818, 203 2, 300, 067	2, 169, 07 1, 340, 30
Infants' underwear, value	- 6, 146, 438	(1) 4, 807, 422	(†) 3, 780, <b>0</b> 48	Other States	1	<b>}</b> }	}
Sweaters, sweater coats, and jerseys, total. California.	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	05, 074	107, 745	Rayon tubing, including tricolette, total	Setting of the constitutions of	40, 047, 738	24, 818, 63
Illinois Massachusetts	2, 026, 107	50, 159	54, 826 148, 582	New York Other States	0, 230, 748 20, 529, 771	18, 705, 927 31, 241, 811	22, 614, 17 6, 204, 50
New Jersey	0, 330, 075 2, 204, 223	240, 881 82, 074	145, 873	Other knit rayon	800, 027	1, 613, 837	(1)
New York	43, 667, 002	2, 509, 537 801, 874	2, 242, 926 506, 928	Cotton Jersey		14, 233, 963	(4)
New Jersey New York Ohlo Pennsylvania	13, 690, 998	607, 416	386, 531	Corset cloth, total	4,491,512	4, 857, 800	(1)
Wisconsin Other States	_ 4,000,70%	122, 654 237, 753	100, 050 87, 181	Rayon and cotton	1, 581, 770 2, 900, 730	1, 098, 038	122
Bathing suits, total	22, 084, 308	1,021,433	739, 807	Other		3, 150, 768	(9)
California Illinois	2,724,920 822,476	63, 306	64, 800 33, 081	Stockinette Glove and shoe linings	1, 234, 004 4, 654, 990	<b>1</b> (2)	[ (2)
Massachusetts	_1 2, 318, 007	28, 201 191, 750	123, 900	Other knit cloth	6, 764, 310	- 8	(3)
New York Pennsylvania	5, 215, 019 3, 914, 526	277, 105 103, 881	138, 109 197, 587			Pounds	Pounds
Other States	3, 914, 526 7, 088, 460	207, 031	181, 664	Cotton yarns for sale 5	3, 018, 436	8, 430, 308	6, 168, 83

¹ Included in item for "Other States."
2 See footnote 1.
3 Revised.
4 No data.
6 See footnote 1, Table 3.

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES: 1929

KIND	Total for the knit-goods	PRODUCTS OF ESTAB	LISHMENTS ENGAGE OF—		E MANUFACTURE
AIRD	industry	Hosiery	Underwear	Outerwear	Knit cloth
Aggregate value	\$899, 716, 672	\$528, 700, 187	\$150, 842, 016	\$147, 249, 277	\$72, 925, 192
Hosiery, except infants' hose and athletic and golf hose: \(^1\) Total dozen pairs Total value	111, 190, 705 \$500, 381, 773	110, 415, 395 \$197, 424, 795	500, 012 \$2, 516, 500	124, 398 \$290, 478	00, 000 \$150, 000
Full-fashioned— Total dozen pairs————————————————————————————————————	31, 929, 245 \$311, 634, 126	31, 827, 732 \$310, 638, 318			
Total dozen pairs Total value	79, 261, 460 \$188, 747, 647	78, 587, 663 \$186, 796, 477	489, 399 \$1, 520, 692	124, 398 \$200, 478	60, 000 \$150, 000
Men's— Total dozen pairs————————————————————————————————————	44, 787, 001 \$97, 244, 604	44, 215, 915 \$95, 521, 789	401, 448 \$1, 363, 537	109, 638 \$209, 368	60, 000 \$150, 000
Full-fashioned— Total dozen pairs Total value	714, 957 \$4, 783, 408	71 4, 957 \$4, 783, 408			
Total value  Seamles—  Total dozen pairs  Total value  All-cotton—	44, 072, 044 \$92, 461, 286	43, 500, 958 \$90, 738, 381	401, 448 \$1, 303, 637	109, 638 \$209, 368	60, 000 \$150, 000
Full-fashioned— Dozen pairs. Value.	25, 985 \$132, 682	25, 085 \$132, 682	/	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Seamless— Dozon pairs Value All pure-thread slik—		16, 326, 353 \$19, 881, 740	21, 017 \$26, 470	58, 232 \$51, 181	
Full-fishionod— Dozen pairs————————————————————————————————————		02, 570 \$553, 65±	***************************************		
Seamless— Dozon pairs— Value  Pure-thread silk with liste or cotton tops, heels, and toes— Full-fashloned—	896, 619 \$1, 352, 043	396, 610 \$1, 352, 048			
Dozen pairs Value	315, 920 \$2, 085, 711	315, 926 \$2, 085, 711	**************		
Soumless— Dozen pairs Valuo Rayon with cotton tops, heels, and toes, and all-rayon— Full-fashioned—	\$6,895,804	1, 389, 120 \$6, 673, 608	40, 033 \$218, 021		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Dozen pairs	100, 045 \$290, 123	100, 045 \$290, 123	*****************		
Dozen pairs	8, 127, 580 \$18, 158, 233	8, 122, 338 \$18, 137, 470	5, 242 \$20, 754		
Full-fashioned— Dozen pairs Value	12, 920 \$164, 753	12, 920 \$164, 753			
Seamless— Dozen pairs. Value. Silk and rayon—	46, 138 \$300, 722	44, 165 \$286, 362	1, 973 \$14, 300		
Full-fashioned— Dozen pairs. Value Soam less—	38, 576 \$272, 650	38, 576 \$272, 650			
Dozen pairs	1, 680, 620 \$7, 540, 333	1, 588, 105 \$7, 193, 207	92, 455 \$347, 000	,	
Full-fashioned— Dozen pairs Value. Seamless—	5, 786 \$42, 409	5, 786 \$42, 400			
Dozen pairsValuo	337, 383 \$1, 576, 124	320, 925 \$1, 540, 495	7, 458 \$35, <b>62</b> 0		
Full-fashioned— Dozen pairs	29, 054 \$146, 862	29, 054 \$146, 862	***************		
Seamless— Dozen pairs. Value. Other hosiery 2—	9, 585, 937 \$18, 263, 680	9, 585, 937 \$18, 263, 680			
Full-fashioned— Dozen pairs	124, 086 \$1, 004, 474	124, 086 \$1, 004, 474	***************************************		
Seamless— Dozan pairsValue.	6, 061, 577 \$18, 414, 938	5, 718, 327 \$17, 409, 608	233, 270 \$700, 628	49, 980 \$154, 612	00, 00 \$150, 00
Women's— Total dozen pairs Total value	51, 215, 852 \$372, 014, 103	51, 008, 784 \$370, 885, 089	133,068 \$1,052,014	14,000 \$77,000	
Full-lashioned— Total dozen pairs Total value	31, 085, 182 \$306, 641, 233	30, 983, 669 \$305, 645, 425	101, 513 \$995, 808		
Seamless— Total dozen pairs. Total value.  See footnotes at end of table.		20, 085, 115	1		

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES: 1929—Continued

KIND	Total for the knit-goods industry	PRODUCTS OF ESTAB	LISUMENTS ENGAGI OF-	ED PRIMARILY IN TH	E MANUFACTURI
	maastry	Hosiery	Underwear	Outerwear	Knit cloth
slery, except infants' hose and athlethic and golf hose—Continued. Women's—Continued. All-cetton— Full-fashioned—					
Putrasinoned— Dozen palrs	340, 839 \$1, 063, 995	340, 839 \$1, 003, 995			
	6, 928, 095 \$11, 612, 032	6, 896, 540 \$11, 555, 826	31, 555		
Seamiess— Dozen pairs Value All pure-thread slik—	\$11, 612, 032	\$11, 555, 826	\$56, 200		
Pull-fashioned— Dozen pairs Value	5, 816, 337 \$67, 403, 686	5, 802, 852 \$67, 266, 852	13, 485 \$130, 834		
Beamless— Dozen pairs	663, 274 \$4, 220, 634	663, 274			******
Value. Pure-thread silk with liste or cotton tops, heels, and toes— Full-fashloned—	\$4, 220, 634	\$4, 220, 634			
Dozen pairsValue	19, 224, 224 \$192, 353, 962	19, 136, 196 \$191, 494, 988	88, 028 \$858, 974		
Seamless— Dozen pairs	2, 623, 557 \$17, 614, 658	2, 623, 557			
Value. Rayon with cotton tops, heels, and toes, and all-rayon— Full-deshioned—	\$17,014,008	\$17, 614, 658		******	
Full-fashioned— Dozen pairs	1, 665, 302 \$10, 211, 120	1, 665, 302 \$10, 211, 120			
Seamless— Dozen pairs	5, 475, 317 \$15, 587, 540	5, 475, 317 \$15, 587, 540			
Mixtures—	#10, 007, 010	φ10, 007, 010			
Full-fashioned— Dozen pairs	81, 743	81,743 \$318,315			
Value	\$318, 315 167, 881	\$318, 315 153, 881	,,		
Value. Silk and wool—	\$816, 305	\$730, 365	*************	\$77,000	
Full-fashioned— Dozen pairs	34, 027	34, 027			
Value	\$523, 538 59, 642	\$523, 538 59, 042			
Value————————————————————————————————————	\$437, 050	\$437, 050			
Full-fashioned— Dozen pairs	2, 500, 030 \$26, 875, 261	2, 599, 030	**********		
Value	\$20, 870, 201 80, 103	\$26, 875, 261 80, 193			
ValueSilk and rayon—	\$384, 040	\$384, 940			
Full-fashioned— Dozon pairs	1, 038, 141 \$6, 275, 641	1, 038, 141 \$6, 275, 641			
(I = a = m ) = m ·		1, 327, 091			
Dozen pairs	1, 327, 094 \$6, 174, 245	\$6, 174, 245			
Full-fashioned— Dozen pairs	49, 220 \$450, 491	49, 220 \$450, 491			
Value Seamless- Dozen pairs	304, 783	304, 783			
Rayon and cotton-	\$1, 012, 700	\$1, 612, 790			
Full-fashioned— Dozen pairs	183, 557 \$652, 076	183, 557 \$652, 976			
Seamless- Dozon pairs	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	2, 026, 179 \$4, 860, 198			i ·
Triple mixtures -	\$1,860,108	\$4, 860, 108			
Full-fushioned— Dozon palrs	52, 762 \$512, 248	52, 762 \$512, 248			
Seamles— Dozen pairs. Value		474 855			
		\$2, 052, 412			
Boys', misses', and children's— Total dozen pairs Total value	15, 187, 852 \$31, 122, 970	15, 130, 696 \$31, 017, 917	56, 396 \$100, 949	760 \$4, 110	
71-11 4-1.1					
Total dozen pairsTotal value	120, 100 \$200, 485	120, 100 \$200, 485			
Scamless— Potal dozen pairs Total value	15, 058, 746	15, 001, 500 \$30, 808, 432	56, 390 \$100, 049	760 \$4,110	
All cotton— Dozen pairs Value		n.	56, 396		
Value All-wool—	\$10, 780, 077	\$16, 688, 128	\$100,040	760	
All-wool— Dozon pairs	42, 667 \$191, 948	\$187,838		1	
All pure-thread sirk— Dozon pairs	30, 002 \$217, 879	36, 002 \$217, 879			

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES: 1929—Continued

KIND	Total for the knit-goods	PRODUCTS OF ESTAB	OF—		E MANUFACTURE
A CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONT	industry	Hoslery	Underwear	Outerwear	Knit cloth
Hosiery, except infants' hose and athletic and golf hose—Continued. Boys', misses', and children's—Continued. Pure-thread silk with liste or cotton tops, heels, and toes—					
Pure-thread silk with lisle or cotton tops, heels, and toes— Dozen pairs————————————————————————————————————	52, 137	52, 187		}	
Value. Rayon with cotton tops, heels, and toes, and all-rayon—	\$384, 822	\$384, 822			
Dozen pairs	1, 032, 674 \$2, 494, 234	1, 032, 674 \$2, 404, 234			
Mixtures— Cotton and wool—	φ2, 404, 204	φε, 404, 204			
Dozen pairs	358, 988	358, 988		***********	
Value- Silk and wool and silk and cotton—	\$1, 144, 959	\$1, 144, 050			
Dozen pairs. Value	7, 723 \$22, 805	\$22, 305		»	*******
Silk and rayon— Dozon pairs	91, 944 \$367, 782	91, 944			
Value Rayon and wool—		\$367, 782			
Rayon and wool— Dozen pairs— Value————————————————————————————————————	257, 876 \$1, 002, 327	257, 876 \$1, 002, 327			*************
Dozen pairs	8, 480, 248	3, 480, 248 \$8, 003, 814			
Value Triple mixtures—	1	ll I			
Dozen pairs Value	133, 298 \$413, 829	133, 298 \$413, 829			
Infants' hose:					
Total dozen pairs Total value	6, 174, 838 \$11, 244, 403	6, 073, 534 \$10, 859, 032	101, 304 \$385, 371		
Full-fashioned-					The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Total dozen pairs	59, 596 \$180, 357	59, 206 \$170, 074	390 \$1, 283		
Seamless— Total dozen pairs	6, 115, 242	6, 014, 328	100, 914	*********	
Total valueAll-cotton—	\$11,064,046	6, 014, 328 \$10, 679, 958	\$384, 088		
Dozen pairsValue	1, 777, 893 \$2, 577, 486	1, 742, 635 \$2, 476, 179	35, 258 \$101, 307		
All-wool— Dozen pairs.	87, 033	86, 286	1, 347		
ValueAll pure-thread silk—	\$272, 145	\$268, 102	\$4, 043		
Dozen pairs	57 494	57, 424 \$280, 419	~~~~~		
Value- Pure-thread silk with lisle or cotton tops, heels, and toes— Dozon pairs	490, 802	490, 802			
All-rayon—	\$922,994	\$022, 004			***********
Dozen pairs	34, 280 \$60, 314	33, 880 \$58, 714	400 \$1,600		
Value Rayon with cotton tops, heels, and toes— Dozon pairs	1, 252, 413	1, 252, 413			
Value Mixtures—	1, 252, 413 \$2, 864, 268	\$2, 364, 268			
Cotton and wool— Dozon pairs————————————————————————————————————	138, 175	130, 108	8,007		
ValueSilk and wool	\$404, 976	\$373, 891	\$31,085		~~~~
Dozen pairs	42, 371 \$188, 354	26, 235 \$101, 634	16, 136 \$86, 720		
Value Silk and rayon and silk and cotton— Dozen pairs	112.910	11	7.818	***************************************	
Value	\$205, 872	\$257, 923	\$37, 949	*************	
Nayon and wool- Dozen pairs Value	181, 990 \$455, 674	162, 557 \$386, 191	19, 433 \$60, 483		
Rayon and cotton—	1, 467, 865	11 .	-	]	
Dozen pairs Value. Triple miktures—	1	1, 457, 933 \$2, 470, 642	9, 932 \$41, 988		
Dozon pairs Value	522, 082 \$909, 271	519, 160	2, 913		
Knit underwear, total value.	1.	\$898, 075	\$11, 196	**************************************	40.000.40
Shirts and drawers—	\$150, 002, 006	\$6, 949, 945	\$122, 081, 491	\$3, 088, 087	\$2,072,48
Total dozon pieces Total value	8, 801, 924	253, 564	7, 897, 092 \$32, 504, 538	329, 222	322, 04 \$1, 343, 38
All-cotton—	\$37, 060, 519	\$2, 646, 926	\$32, 504, 538	\$1, 174, 670	\$1, 343, 38
Dozen pieces Value	7, 179, 762	34, 424	6, 552, 279	298, 929	204, 13
All-wool	1.		\$20, 950, 615	\$871, 547	\$1,005,41
Dozen pieces. Value. Cotton and wool mixed—	50, 105 \$815, 505		47, 914 \$750, 511	\$2, 914	2, 16 \$62, 08
Dozen pleces		II.	377, 823	380	47
Value	- \$4,800,713	\$34, 911	\$4, 255, 131	\$3, 000	\$6,70
Dozen pieces Value Silk and rayon mixtures—	119, 958 \$1, 902, 450	54, 900 \$937, 663	46, 298 \$757, 600	18, 640 \$205, 878	12 \$1,80
Silk and rayon mixtures— Dozen pleces	67, 961	1)	53, 640	\$200,070	\$1,00
Dozen pleces. Value Rayon—		\$42,744	\$454, 705		
Dozen pieces.	1, 002, 098 \$6, 960, 273	158, 011 \$1, 458, 220	813, 717	5, 383	24, 98

## KNIT GOODS

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES: 1929—Continued

KIND	Total for the knit-goods	PRODUCTS OF ESTAI	BLISHMENTS ENGAG OF-	ED PRIMARILY IN TH	E MANUFACTURE
	industry	Hosiery	Underwear	Outerwear	Knit cloth
Knit underwear—Continued. Shirts and drawers—Continued.					
Other— Dozen plecesValue	11, 085 \$104, 543	235 \$2, 381	5, 421 \$32, 447	5, 800 \$03, 000	160 \$6,715
Union suits— Total dozens Total value.	8, 801, 124 \$70, 837, 155	70, 944 ; \$1, 002, 051	8, 501, 038 \$60, 881, 215	244, 002 \$2, 412, 400	75, 140 \$541, 489
All-cotton— Dozons	7, 377, 755 \$50, 397, 842	40, 972 \$370, 591	7, 040, 478 \$47, 722, 752	217, 088 \$1, 794, 526	73, 217 \$500, 973
All-wool— Dozons Value Cotton and wool mixed—	136, 063	4 \$58	134, 090 \$2, 959, 005	1, 060 \$117, 897	***************************************
DozensValue	811, 105	1, 281 \$27, 615	805, 553 \$11, 569, 160	4, 361 \$128, 392	
Silk— Dozons.	30, 620	8, 300 \$304, 255	3, 720 \$148, 043	18, 510 \$850, 589	***************************************
Value Silk and rayon mixtures— Dozens Value	34, 537		34, 537 \$326, 629		
Rayon— Dozens Value	480, 612	16, 723 \$254, 143	460, 565 \$4, 010, 453	2, 083 \$20, 906	1, 241 \$10, 679
Other— Dozons. Value.	20, 842	3, 574 \$45, 380	16, 086 \$130, 104	***************************************	082 \$20, 837
Bloomers and step-ins				8, 537	
Total value	2, 382, 841 \$18, 310, 120	226, 608 \$2, 946, 006	2, 110, 248 \$15, 133, 184	8, 537 \$50, 700	28, 358 \$182, 540
Dozens Value	\$1, 705, 683	3, 408 \$25, 085	465, 547 \$1, 614, 860	1,018 \$4,908	11, 974 \$59, 870
Dozon and who mixed— Dozons— Value— Silk—	1, 904 \$23, 943	**************	\$28, 948		***********
Dozens	92, 053 \$1, 924, 878	53, 220 \$1, 180, 071	37, 785 \$720, 500	700 \$13, 807	\$5,000
Dozens Valuo	\$7, 162 \$751, 275	8, 885 \$128, 702	48, 277 \$622, 488		************
Dozens Value Other	1	101, 110 \$1, 605, 758	1, 530, 580 \$12, 040, 887	6, 720 \$38, 515	10, 144 \$117, 679
Dozens Value	82, 155 \$101, 511	**************	82, 155 \$101, 511		
Dozons. Value Infants' underwear, value.	258, 779 \$2, 110, 767 \$6, 140, 438	11, 831 \$353, 690 \$672	248, 092 \$1, 739, 570 \$5, 822, 984	2, 548 \$22, 603 \$321, 624	408 \$3,004 \$1,158
Outerwear, total value		\$2, 836, 277	\$7, 134, 210	\$137, 102, 107	\$2, 500, 235
Sweaters, sweater coats, jerseys, etc.— Dozens. Value.	4, 700, 822 \$80, 273, 102	25, 034 \$380, 731	374, 443 \$4, 505, 326	4, 360, 185 \$83, 900, 164	31, 160 \$480, 881
Bathing suits—	1, 021, 488	550 \$10,000	70, 105 \$804, 888	871, 038 \$20, 581, 023	70, 140 \$028, 397
Value Scarfs and shawis— Dozens. Value Headwear (oxcept infants')—	1	12 \$400	~ * * * * * * * * * * * * * * * * * * *	125, 949 \$1, 143, 846	950 \$18, 872
Headwear (oxcept infants')— Dozens Value	783, 425 \$3, 783, 126	210 \$4,000	77, 878 \$526, 846	705, 323 \$3, 251, 487	14 \$193
Neckties— Dozens	627, 727	78 \$1,985		573, 809 \$1, 027, 457	54, 250 \$87, 600
Valuo. Athletic and golf hose— Dozen pairs Valuo. Dresses and sults—		257, 486 \$1, 087, 306	1,006 \$16,929	840, 165 \$3, 607, 294	*************
Number .	1, 023, 440	***************************************	20, 018 \$190, 280	992, 736 \$10, 859, 470 \$8, 298, 367 \$3, 826, 999	10, 692 \$101, 343
Value Infants' outerwear, value Other outerwear, value	i	\$1, 351, 255	\$95, 340 \$025, 610	ł	\$1, 251, 040
Knit cloth, total value		\$2, 252, 725	\$2, 174, 671	\$1, 952, 514	\$61, 289, 133
Square yards			80, 825 \$84, 451	495, 262 \$693, 931	6, 636, 182 \$6, 963, 624
Square yards Value  Silve (holy deer milesee)	2, 508, 653 \$4, 408, 731		184, 225 \$372, 805	200, 355 \$443, 205	2, 064, 073 \$3, 592, 721
Square yards. Value.  Rayon tubing (including tricolatia)—	\$3, 115, 764	2, 129, 987 \$1, 346, 020	87, 122 \$69, 513	330, 295 \$281, 449	1, 579, 850 \$1, 418, 782
Square yards			302, 305 \$197, 641		40, 645, 433 \$29, 562, 878

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE INDUSTRY AND ITS BRANCHES, FOR THE UNITED STATES: 1929—Continued

KIND		Total for the knit-goods	PRODUCTS OF ESTAB	LISHMENTS ENGAGE OF—		E MANUFACTURE
		industry	Hoslery	Underwear	Outerwear	Knit cloth
Knit cloth—Continued. Other knit rayons— Square yards. Value. Cotton jersey— Square yards. Value Corset cloth— Rayon and cotton— Square yards. Value Other— Square yards. Value Other— Square yards. Value Clove and shoe linings, value Stockinette, value Other knit cloth, value Cotton yarn for sale:  Pounds. Value Cotton waste for sale:  Pounds. Value— Other knit cloth value Cotton yarn for sale:  Pounds. Value— Cotton yarn for sale:  Pounds. Value— Cotton vaste for sale:  Pounds. Value— Cotton vaste for sale:  Receipts for contract work	y), value	14, 233, 953 \$4, 756, 329 1, 608, 038 \$1, 581, 776 3, 169, 768 \$2, 009, 736 \$4, 654, 990 \$1, 234, 004 \$6, 614, 501 \$10, 782, 704 8, 430, 308 \$3, 018, 436	\$906, 705 \$708, 992 1, 664, 870 \$029, 427 1, 612, 459 \$105, 647 \$1, 51, 547 \$1, 255, 402 \$5, 636, 653	1, 715, 826 \$435, 559	401, 140 \$320, 000	

# TABLE 6.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY, BY KIND, COST, AND QUANTITY, 1929, AND BY KIND AND QUANTITY, 1927 AND 1925

[The difference between the sum of the costs of the several kinds of materials shown in this table and the total cost of materials as given in Tables 1 and 2 is due to the fact that this table covers only certain specified materials, whereas Tables 1 and 2 cover all materials. For consumption of raw fibers and of purchased yarns in all textile industries, see tables on pp. 222 and 223, respectively]

KIND	COST		QUANTITY (pounds)		KIND	COST		QUANTITY (pounds)	1
	1929	1929	1927	1925		1929	1929	1927	1925
Cotton, total	\$14, 906, 749	71, 654, 827	66, 771, 576	66, 068, 116	Cotton waste.	\$2, 781, 968		21, 490, 118	21, 249, 739
DomesticForeign	14, 814, 113 152, 636	71, 146, 549 508, 278	66, 417, 396 354, 180	65, 561, 506 506, 610	Silk waste and noils. Wool waste and noils. Recovered wool fiber. Yarns, purchased:	110, 283 4, 059, 556 1, 041, 529	10, 507, 453	685, 171 8, 981, 918 4, 393, 938	125, 204 9, 983, 827 3, 414, 632
Wool: In condition in which purchased, total	4, 803, 773	6, 598, 580	4, 909, 056	6, 222, 931	Cotton, not mercerized Cotton, mercerized Woolen	51, 736, 262 45, 225, 470 8, 896, 750	60, 463, 053	157, 762, 735 52, 917, 187 7, 029, 463	155, 809, 349 67, 043, 700 10, 352, 910
Domestic Foreign Equivalent in scoured condi-		5, 587, 231 1, 011, 349	4, 124, 811 784, 245	4, 845, 911 1, 377, 020	Worsted woolen and cotton mixed Worsted and cotton mixed	48, 535, 997 3, 234, 544 3, 405, 210	31, 183, 676 3, 608, 682 2, 867, 286	28, 280, 425 5, 112, 680 3, 002, 059	24, 546, 360 }10, 090, 462
tion Raw silk	52, 897, 688	5, 429, 746 9, 483, 663	4, 215, 418 8, 023, 195	4,218,014 4,921,127	Silk, thrown or spun	74, 532, 749 76, 375, 476 5, 995, 260	13, 200, 769 56, 368, 443 8, 714, 552	11, 537, 459 36, 580, 505 2, 425, 238	8, 789, 521 23, 679, 509 700, 624

¹ The figures for infants' hose follow those for hosiery, and the figures for athletic and golf hose appear under "Outerwear."

2 Principally wool and cotton mixed, silk and cotton mixed, and triple mixtures, but includes a small quantity of all-wool hose.

None of these items could be shown a see fortness of the cutput of individual establishments.

3 See footnote 1, Table 3.

Table 7.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY, BY KIND, COST, AND QUANTITY, 1929, AND BY KIND AND QUANTITY, 1929, 1927, AND 1925, BY STATES

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. In some cases, however, certain of the "Other States" reported larger quantities and costs than some of the States shown separately. For consumption of raw fibers and of purchased yarns in all textile industries, see tables on pp. 222 and 223, respectively]

MATERIAL AND STATE	COST		QUANTITY (Pounds)		MATERIAL AND STATE	COST		QUANTITY (Pounds)	
	1929	1929	1927	1925		1929	1929	1927	1925
Cotton, raw, total	\$14, 000, 749	71, 654, 827	66, 771, 576	00, 008, 110	Cotton yarn, morcerized—Con. Tennessee	\$4,660,004	g 705 000	4 cm 4vn	7 098 049
Georgia New York Tennessee Other States	1, 095, 780 3, 920, 778 3, 295, 513 6, 654, 678	5, 660, 047 18, 665, 802 17, 105, 562 30, 223, 416	7, 635, 952 19, 364, 409 22, 784, 744 16, 986, 474	6, 963, 794 21, 002, 226 14, 370, 262 23, 731, 834	Virginia. Wisconsin Other States.	479, 701 2, 634, 541 3, 554, 070	6, 795, 002 804, 580 3, 261, 549 4, 495, 948		7, 635, 048 1, 698, 959 4, 441, 872 10, 699, 989
Cotton waste, total	2, 781, 968	18, 283, 973	21, 490, 118	21, 249, 739	Woolen yarn, total	8,896,750	7, 775, 255	7,029,463	
New York Other States	1, 335, 095 1, 446, 873	9, 724, 731 8, 559, 242	15, 580, 189 5, 909, 970	16, 860, 817 4, 388, 922	Illinois_ Massachusetts New Jersey New York	481, 994 753, 841 155, 695 4, 631, 178	358, 584 872, 576 139, 570 3, 770, 441	343, 703 1, 166, 602 166, 950 2, 401, 180	376, 560 1, 465, 733 227, 351 3, 958, 819
Wool: In condition in which pur- chased, total	4, 803, 773	6, 598, 580	4, 909, 056	6, 222, 031	Ohio		320, 587 809, 634 799, 264	207, 406 710, 275 1, 103, 327	811,811 1,190,019 1,241,812
New YorkOther States	2, 487, 062 2, 316, 711	2, 556, 844 4, 041, 736	2, 259, 403 2, 649, 653	3, 737, 691 2, 485, 240	1	1 1	704, 599	029, 834	1, 079, 905
Equivalent of above in secured condition, total	1	5, 420, 746	4, 215, 418	4, 213, 014	Worstod yarn, total		31, 183, 676 1, 065, 556	28, 280, 425 695, 871	24, 546, 360 880, 070
New YorkOther States		2, 170, 806 3, 258, 940	2, 070, 482 2, 135, 031	2, 400, 507 1, 713, 417	California. Illinois. Massachusetts. Michigan. Now Hampshire.	1, 106, 322 6, 656, 821 486, 994 810, 972	678, 137 4, 704, 838 355, 676 412, 027	769, 675 3, 394, 232 332, 605 538, 332	941, 446 3, 358, 484 186, 110 200, 604
Recovered wool fiber, total	1, 041, 520	3, 186, 656	4, 303, 938	3, 414, 632			766, 378	611, 621	785, 860
New York Other States	567, 630 473, 893	1, 192, 835 1, 993, 821	1, 103, 872 3, 290, 066	625, 012 2, 789, 620	New Jersey New York Ohlo Pennsylvania	18, 354, 490 3, 755, 713 7, 823, 950	11, 551, 148 2, 669, 531 5, 135, 162	0, 640, 645 2, 530, 103 5, 009, 451	7, 000, 893 1, 785, 928 4, 956, 223
Wool waste and noils, total	Contract to the second second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of	10, 507, 453	8, 081, 918	0, 983, 827			697, 775	1, 460, 111	780, 085
New York Other States		0, 200, 374 4, 208, 079 0, 483, 663	4, 672, 443 4, 300, 475 8, 023, 195	6, 946, 665 3, 037, 162 4, 921, 127	Rhode Island	277, 324 2, 443, 059 2, 943, 172	148, 647 1, 304, 365 1, 704, 436	135, 770 1, 515, 310 1, 628, 600	124, 733 1, 425, 319 1, 511, 825
New Jorsey New York Pennsylvania Other States	4, 187, 644 7, 093, 438 30, 620, 964	800, 426 1, 307, 100 5, 508, 311	818, 302 1, 412, 978 4, 774, 493	542, 517 1, 104, 379 2, 024, 352 1, 249, 870	Wool or worsted and cotton yarn, mixed, total	1	6, 475, 968	8, 204, 748	10, 090, 462
Other States	10, 005, 042 51, 736, 202	1, 867, 826	1,017,422	1	Connecticut Illinois. Massachusetts Now York Ohio.	135, 557 435, 591 554, 280 1, 835, 848	01, 647 343, 479 638, 482 1, 940, 841	68, 816 339, 930 591, 696 2, 104, 629	148, 240 82, 895 731, 085 2, 431, 220
	Mark Bright Bright Co. Bright Steel	129, 803, 439	157, 702, 735	1.845, 343			579, 630	797, 943	1, 407, 023
Alabama California Connecticut Georgia Illinois	87, 323 203, 865 2, 540, 270 1, 696, 260	4, 002, 485 215, 367 449, 709 6, 826, 716 4, 626, 256	4, 437, 442 214, 449 506, 733 7, 957, 194 5, 679, 456	1, 845, 343 193, 731 616, 374 6, 591, 187 4, 415, 157	Pennsylvania	1, 048, 050 175, 831 413, 312 1, 647, 305	824, 085 196, 549 358, 836 1, 502, 419	1, 580, 930 180, 500 437, 557 2, 087, 048	2, 210, 506 231, 854 745, 000 2, 033, 639
Indiana Massachusetts	1, 187, 570 2, 298, 141	2, 936, 337 5, 131, 799	2, 897, 333 5, 710, 694	2, 401, 737 6, 229, 670	Silk yarn, thrown or spun, total	74, 532, 740	13, 200, 769	11, 537, 459	8, 789, 521
Michigan New Hampshire New Jersey	. 777, 071 206, 935	1, 031, 821 2, 170, 887 499, 775 28, 071, 181	2, 144, 341 1, 860, 608 295, 411 35, 211, 667	4, 764, 531 1, 496, 078 559, 189 37, 924, 386	Massachusetts New Jersoy New York North Carolina	1,601,756 4,715,774 1,504,969 7,505,064	263, 656 703, 940 277, 468 1, 422, 400	389, 423 357, 404 337, 830 800, 315	283, 688 494, 619 830, 210 (1)
Now York North Carolina Ohlo Pennsylvania	2, 528, 768 8, 308, 634	13, 300, 434 6, 516, 972 20, 401, 576	22, 860, 007 6, 201, 189 25, 553, 531	20, 018, 591 6, 483, 756 26, 358, 162	Pennsylvania		6, 454, 008 783, 260 1, 417, 916	5, 047, 208 1, 473, 200 1, 624, 204	3, 802, 012 (1) 841, 074
Rhode Island South Carolina Tennessee Utah	. 543,947 4,657,537	4, 057, 872 1, 455, 179 9, 760, 577 127, 705	5, 102, 695 1, 434, 290 11, 212, 603 172, 181	4, 204, 280 754, 324 13, 430, 212 101, 996	Other States	1	1, 704, 061 56, 368, 443	1, 507, 719 36, 580, 505	³ 2, 447, 009 23, 679, 509
Vermont Virginia Wisconsin Other States	775, 697 1, 914, 751 1, 107, 597 2, 378, 321	1, 793, 256 5, 676, 493 2, 632, 987 6, 609, 555	2, 000, 224 5, 142, 608 3, 600, 664 7, 478, 025	2, 546, 105 3, 572, 230 3, 528, 583 7, 703, 819 67, 043, 700	California Georgia Illinois Massachusetts New Hampshire	1, 491, 209 875, 738 1, 448, 131	200, 400 989, 836 613, 433 1, 008, 481 378, 137	88, 794 637, 744 520, 726 1, 965, 667 236, 843	52, 126 344, 980 193, 110 1, 485, 902 366, 446
Cotton yarn, mercerized, total  Georgia Illinois.  Massachusetts.  Michigan  New Jersey	910, 214 585, 980 788, 800 337, 537	1, 152, 559 892, 110 1, 101, 242 426, 842 1, 330, 660	1, 558, 584 1, 180, 511 2, 004, 406 420, 446 743, 509	(1) 2, 408, 598 1, 833, 807 405, 410 1, 287, 035	New Jorsey New York North Carolina Onto Pennsylvania	4, 780, 825 14, 537, 684 11, 683, 378 720, 283 25, 742, 014	3, 411, 646 10, 695, 154 8, 307, 148 625, 654 20, 212, 660	1, 321, 735 13, 302, 257 4, 221, 530 428, 803 5, 888, 059	1, 544, 051 7, 712, 491 1, 909, 037 293, 460 5, 979, 569
New York North Carolina Ohio Pennsylvania	2, 621, 926 11, 183, 755 280, 933	3, 811, 665 17, 309, 288 364, 374 18, 717, 120	3, 107, 092 11, 428, 612 353, 837 14, 420, 574	4, 410, 605 7, 473, 871 348, 253 24, 933, 644	Tennessee Virginia Wisconsin Other States	1.854.427	2, 564, 703 1, 412, 277 1, 523, 257 4, 336, 737	2, 171, 206 1, 395, 119 883, 686 3, 428, 836	1, 019, 500 537, 950 705, 803 1, 445, 174

¹ Included in item for "Other States."

Includes data for Georgia.

³ Includes data for North Carolina and Tennessee.

TABLE 8.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY AND ITS BRANCHES, BY KIND AND QUANTITY: 1929

[For consumption of raw fibers and of purchased yarns in all industries, see tables on pp. 222 and 223, respectively]

					*						
KIND	Total		USED IN TRIMARILY I			KIND	Total				MENTS EN- NUFACTURE
	:	Hosiery	Under- wear	Outer- wear	Knit cloth			Hosiery	Under- wear	Outer- wear	Knit cloth
Cotton, total	Pounds 71, 654, 827	Pounds 8, 435, 413	Pounds 45, 051, 334	Pounds 3, 502, 047	Pounds 14, 666, 033	Wool waste and noils Recovered wool fiber	Pounds 10, 507, 453 3, 180, 650	Pounds 3, 784, 056 214, 723	Pounds 3, 265, 633 274, 228	Pounds 2, 546, 228 2, 697, 705	Pounds 911, 536
Domestic Foreign Wool:	71, 146, 549 508, 278	8, 250, 895 184, 518		3, 502, 047	14, 626, 797 39, 236	Yarns, purchased: Cotton, not mercerized	129, 893, 439	37, 258, 439	61, 634, 103	14, 462, 241	16, 538, 656
In condition in which purchased, total	6, 598, 580	2, 062, 170	1, 509, 854	1, 514, 414	1, 512, 142	Cotton, mercerized Woolen Worsted	60, 463, 053 7, 775, 255 81, 183, 676	51,760,440 613,148 1,242,544	5, 192, 634 109, 489 1 178 380	2, 467, 663 5, 565, 464 25, 957, 461	1, 042, 316 1, 487, 154 2, 805, 291
Domestic Foreign Equivalent in scoured		1, 602, 044 460, 126		1, 514, 414	1, 121, 979 390, 163	Woolen and cotton mixed Worsted and cotton	3, 608, 682	1, 027, 095	950, 083	[ ' '	2,000,201
condition	5,429,746	2,014,070	1,555,284	977,868	1,084,584		2, 867, 286 13, 206, 769	763, 193 12, 823, 578 19, 677, 989	1, 404, 553 171, 381	508, 390 179, 084	131, 150 32, 726
Raw silk Cotton waste Silk waste and noils		1, 955, 407	5, 964, 815	4, 404, 800	5, 868, 942	Rayon Other yarns	50, 368, 448 3, 714, 552	19, 677, 089 3, 148, 727	12, 090, 273 160, 338	2, 421, 611	22, 178, 570

## TABLE 9.—PRIME MOYERS, MOTORS, AND GENERATORS, BY NUMBER AND CAPACITY, AND CON-

SUMPTION OF PURCHASE	D ELE	CTRIC E	NERG	Y, FOR	THE	INDU	STRY	AND I	TS BR	ANCH	ES	
TYFE	1	929	19	27	16	925	19	19	19	14	PER C DISTRIB OF RA HORSEF CAPAC	UTION TED OWER
	Number	Capacity	Number	Capac- ity	Num- ber	Capac-	Num- ber	Capac- ity	Num- ber	Capac- ity	1929	1919
	t.	The K	CNIT-GOOI	s Indust	RY				and the same of the same of	- hot seven money were seven	nasa ana aman'ny fivondronana paositra	
Prime movers and electric motors driven by purchased energy, aggregate	41,045	Horsepower 181, 879	31, 471	Horse- power 177, 216	25, 223	Horse- power 170, 630	11, 806	Horse- power 149, 438	5, 333	Horse- power 122, 019	100, 0	100. 0
Prime movers, total	525	70, 291	527	75, 940	572	88, 083	878	80,758	965	96, 635	38. 0	60, 1
Steam, total-	434	59, 108	407	64, 173	423	72, 446	580	76, 003	737	80, 884	32, 5	50, 0
Engines Turbines	410 24	49, 086 9, 480	380 27	57, 254 6, 919	394 20	60, 184 12, 262	569 20	68, 569 7, 434	(1) (1)	(1) (1)	27. 3 5. 2	45, 9 5, 0
Internal-combustion engines. Water wheels and water turbines.	14 77	1, 457 9, 668	22 98	1, 000 10, 767	33 116	3, 069 12, 568	53 236	814 12, 941	74 154	1, 108 14, 643	0, 8 5, 3	0. 5 8. 7
Electric motors driven by purchased energy	40, 520	111,588	30, 944	101, 276	24, 651	88, 547	10, 928	59, 680	4, 368	26, 284	61.4	39. 9
Electric motors, total	48,003	144, 477	38, 445	120, 073	32, 610	127, 932	15, 509	91, 137	6,888	46, 117	100.0	100.0
Driven by purchased energy Driven by energy generated in establishments re-	40, 520	111, 588	30, 944	101, 276	24, 651	88, 547	10, 928	59, 080	4,368	26, 284	77. 2	65. 5
porting.	8, 383	32, 889	7, 501	28, 607 Kilo-	7,959	39, 385 ICilo	4, 581	31, 457	2, 520	19,833	22, 8	- 34. 5
Electric generators.	218	Kilowalls 29, 148 Kilowatt-	261	watts 30, 226	269	watts 34, 649	(2)	<b>(</b> 2)	(2)	( ² )		
Electric energy purchased 3		hours 172, 940, 810		(4)		(1)		(3)		(2)		

See footnotes at end of table.

TABLE 9.—PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND CAPACITY, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY, FOR THE INDUSTRY AND ITS BRANCHES—Continued

			нови	кү					UNDERV	'EAU		
туре		1929	10	27	19	25 5	1	929	19	27	199	35 B
	Num- ber	Capacity	Num- ber	Capac-	Num- ber	Capac- ity	Num- ber	Capacity	Num- ber	Capac- ity	Num- ber	Capae- ity
Prime movers and electric motors driven by purchased energy, aggregate.	26, 109	Horsepower 82, 425	18,815	Horse- power 76, 431	13, 790	Horse- power 67, 047	6, 124	Horse- power 58, 014	<b>5,</b> 633	Horse- power 67,456	4, 597	Horse- power 70, 755
Prime movers, total	285	24, 371	244	27, 595	270	28, 885	145	28, 995	190	37,004	201	43, 933
Steam, total	255	21, 990	187	23, 856	207	25, 123	100	23, 835	145	30, 464	144	35, 140
EnginesTurbines	245 10	18, 865 3, 125	177 10	21, 681 2, 175	195 12	21, 862 3, 261	98 11	17, 780 0, 055	136 9	26, 096 4, 368	132 12	27, 196 7, 944
Internal-combustion engines	3 27	110 2, 271	9 48	200 3, 530	16 47	455 3, 307	7 20	1, 275 3, 885	7 38	640 5, 900	10 47	2, 455 6, 338
Electric motors driven by purchased energy	25, 914	58, 054	18, 571	48, 830	13, 520	30, 002	5, 070	29, 010	5, 443	30, 451	4, 396	26, 822
Electric motors, total	31, 187	71, 352	22, 025	01,094	17, 819	51, 187	7, 948	42, 840	7, 504	42, 218	7, 062	43, 660
Driven by purchased energy. Driven by energy generated in establishments report-	25, 914	58, 054	18, 571	48, 836	13, 520	39, 062	5, 979	20, 010	5, 443	30, 451	4, 398	20, 822
ing.	5, 273	13, 298	4, 354	12, 258	4, 290	12, 125	1, 909	13, 821	2, 001	11, 707	2,666	16, 838
		Kilowatts		Kilo- watts		Kilo- watts		Kilo- walts		Kilo- watts	:	Kilo- waits
Electric generators	98	9,830 Kilowatt-	138	11, 241	118	13, 301	79	13, 444 Kilowatt	85	14, 374	102	15, 702
Electric energy purchased 3.	*******	hours 102, 677, 854		(1)		(1)		hours 40, 183, 089		(4)		(4)
TYPE	-	1929	1)	O27	1	025 8		1929	KNIT CLO	927	19	26 4
	Num- ber	Capacity	Num- bor	Capac-	Num- ber	Capac-	Num- ber	Capacity	Num- ber	Capac-	Num-	Capac-
Prime movers and electric motors driven by purchased energy, aggregate.	6, 184	Horsepower 22,411	5, 635	Horse- power 21, 608	5, 526	Horse- power 23, 580	2, 538	Horse- power 10, 020	1,388	Harse- power 11, 062	1,310	Horse- power 14, 342
Prime movers, total	53	7, 503	65	7, 460	64	7,000	42	0, 422	28	3, 875	37	7, 260
Steam, total	42	6,886	52	6, 173	45	6, 328	28	0, 455	23	3, 680	27	5, 855
Engines Turbines	40	6, 736 150	44 8	5, 797 378	41	5, 938 390	27	0, 305 150	23	3,680	26 1	5, 185 667
Internal-combustion engines	2	47 570	3 10	100 1, 187	0 13	119 1,552	2 12s	25 2, 942	3 2	45 150	0	40 1, 371
THE COLUMN TO THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLUMN THE COLU	1	11 000	5, 570	14, 202	5, 462	15, 587	2, 496	9, 007	1,300	7, 787	1, 273	7, 076
Electric motors driven by purchased energy	6, 131	14,908	1	1 .								15, 559
	6, 131	17,115	6, 197	16, 042	5, 742	17, 520	3, 140	13, 170	1,819	10, 619	1, 987	
Electric motors driven by purchased energy  Electric motors, total  Driven by purchased energy  Driven by energy generated in establishments report-	6, 628	17,115	5, 570	14, 202	5, 742 5, 462 280	15, 587	3, 140 2, 496 644	9, 607 3, 563	1,819 1,300 459	7, 787 2, 832	1, 987 1, 273 714	7, 070
Electric motors driven by purchased energy  Electric motors, total	6, 628	17, 115			5, 402		2, 496	9, 607	1, 300	7, 787	1, 273	7, 076 8, 483 Kilo- watts 2, 046

Not called for separately on schedule.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.
 Not tabulated separately for years prior to 1925.

TABLE 10.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, FOR THE INDUSTRY, 1929, 1925, 1919, 1914, AND 1909, AND FOR ITS BRANCHES, 1929 AND 1925, AND BY STATES, FOR THE INDUSTRY AND ITS BRANCHES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	A verage			UMBER EM	IPLOYED O	N 15TH DA	Y OF MON	TH OR NE	AREST REI	PRESENTAT	IVE DAY			Percent
STATE	employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
THE KNIT-GOODS INDUSTRY													***************************************	
United States: 1929. 1025. 1919. 1914. 1000.	172, 572	195, 156 176, 892 168, 304 152, 974 123, 308	200, 576 182, 280 163, 582 155, 683 125, 181	205, 256 185, 296 160, 438 157, 686 128, 052	205, 902 186, 059 162, 956 157, 054 129, 317	206, 538 186, 974 166, 713 155, 273 129, 270	207, 297 186, 554 168, 617 153, 071 128, 899	205, 186 183, 775 173, 887 148, 572 127, 845	207, 995 185, 753 177, 330 142, 779 128, 231	214, 097 189, 687 177, 244 143, 747 130, 329	221, 503 193, 748 181, 315 147, 513 132, 997	219, 950 193, 430 184, 046 146, 356 134, 540	212, 310 189, 552 186, 423 145, 582 133, 340	88, 1 91, 3 86, 1 90, 6 91, 7
Alabama	2, 607 1, 834 1, 343 6, 018 4, 137	2,298 1,812 1,369 6,772 4,134	2, 319 1, 856 1, 393 5, 925 4, 110	2, 664 1, 844 1, 400 6, 018 4, 004	2, 546 1, 796 1, 400 5, 938 4, 019	2, 552 1, 768 1, 400 5, 880 3, 994	2, 577 1, 795 1, 402 5, 904 4, 015	2, 545 1, 791 1, 376 5, 846 4, 091	2, 468 1, 835 1, 209 5, 942 3, 956	2, 695 1, 809 1, 202 6, 057 4, 166	2, 787 1, 848 1, 290 6, 188 4, 439	2, 849 1, 889 1, 344 6, 456 4, 422	2, 979 1, 972 1, 334 6, 291 4, 215	77. 1 80. 7 85. 7 80. 4 80. 1
Indiana Kentucky Maryland Massachusetts Michigan	5, 953 1, 195 843 8, 817 2, 780	5,710 1,252 849 8,225 2,806	5, 671 1, 268 873 8, 405 2, 741	5, 703 1, 230 985 8, 687 2, 784	5,712 1,240 865 8,660 2,860	5, 684 1, 119 815 8, 727 2, 873	5,746 1,078 831 8,764 2,790	5, 916 1, 074 737 8, 461 2, 671	6, 095 1, 147 889 8, 668 2, 658	6, 276 1, 202 888 0, 139 2, 750	6, 480 1, 246 811 9, 580 2, 800	6, 344 1, 252 804 9, 388 2, 883	0, 118 1, 240 774 0, 117 2, 841	87, 8 85, 0 74, 8 86, 0 92, 2
Minnesota New Hampshire New Jersey New York North Carolina		2, 130 1, 730 6, 377 28, 849 20, 871	2, 160 1, 760 6, 683 30, 234 21, 638	2, 208 1, 973 6, 930 31, 196 22, 262	2, 254 2, 046 7, 015 31, 613 22, 491	2, 232 2, 069 7, 104 31, 601 22, 616	2, 204 2, 056 7, 170 31, 288 23, 074	1, 985 2, 105 6, 687 30, 685 23, 077	2, 131 2, 186 6, 631 31, 332 23, 463	2, 174 2, 221 6, 755 32, 939 23, 664	2, 195 2, 318 6, 951 34, 168 24, 113	2, 165 2, 240 7, 052 33, 301 24, 348	2, 100 2, 221 6, 564 31, 492 23, 541	88. 1 74. 6 88. 9 84. 4 85. 7
Ohio Pennsylvania Rhode Island South Carolina Tennesseo		3, 888 58, 234 1, 301 951 16, 871	4, 146 59, 611 1, 169 955 17, 254	4,177 60,792 1,287 1,007 17,430	4, 120 61, 118 1, 268 1, 004 17, 274	4, 002 61, 586 1, 325 1, 008 17, 338	4, 245 61, 440 1, 319 973 17, 646	4, 157 61, 064 1, 372 971 17, 607	4, 059 61, 536 1, 270 988 18, 207	4, 522 63, 830 1, 340 940 18, 296	4, 525 66, 514 1, 515 988 18, 867	4, 184 65, 528 1, 552 987 19, 264	3, 865 61, 448 1, 530 1, 022 18, 015	85. 4 87. 6 75. 3 92. 0 87. 6
Utah Vermont Virginia Washington Wisconsin	1,084 3,125 180 11,118	277 1, 025 2, 748 164 10, 787	295 1, 070 3, 033 166 10, 837	340 1, 108 3, 122 196 10, 947	372 1, 126 3, 066 191 10, 959	380 1, 133 3, 041 191 10, 933	1, 145 3, 073 160 11, 027	481 1, 015 3, 182 189 10, 960	512 948 3, 359 173 11, 069	508 1,093 3,255 195 11,219	471 1,090 3,346 199 11,770	421 1, 110 3, 369 193 11, 500	308 1, 141 2, 909 182 11, 315	54. 1 82. 8 81. 6 69. 8 91. 6
HOSIERY														
United States: 1929 1925 1	129, 542 103, 930	122, 604 98, 625	124, 887 100, 906	127, 278 102, 311	127, 344 103, 325	127, 943 104, 304	128, 681 104, 889	127, 459 104, 206	120, 063 104, 810	131, 939 105, 259	136, 622 106, 255	136, 835 106, 475	133, 864 105, 789	89. 6 92. 6
Alabama Georgia Illinois Indiana Massachusetts	4, 536 2, 813 5, 034 2, 528	1, 384 4, 376 2, 825 4, 817 2, 543	1, 399 4, 457 2, 834 4, 779 2, 560	1,568 4,608 2,779 4,801 2,581	1, 452 4, 501 2, 702 4, 809 2, 542	1, 438 4, 523 2, 686 4, 801 2, 483	1, 471 4, 456 2, 730 4, 863 2, 355	1, 405 4, 416 2, 803 5, 036 2, 821	1, 374 4, 507 2, 691 5, 179 2, 432	1, 593 4, 588 2, 831 5, 360 2, 540	1,719 4,692 3,033 5,480 2,586	1, 801 4, 758 3, 004 5, 355 2, 701	1, 926 4, 656 2, 839 5, 127 2, 688	71. 3 92. 0 88. 6 87. 2 85. 9
Michigan New Hampshire New Jersey New York North Carolina	1, 117 1, 533 4, 934 4, 652 19, 670	1, 180 1, 139 4, 650 4, 579 17, 722	1, 211 1, 172 4, 792 4, 628 18, 336	1, 221 1, 372 4, 905 4, 605 18, 980	1, 228 1, 447 5, 069 4, 622 19, 212	1, 211 1, 490 5, 181 4, 617 19, 312	1, 114 1, 525 5, 321 4, 598 10, 814	976 1, 598 4, 888 4, 428 19, 817	982 1, 680 4, 745 4, 622 20, 255	1, 010 1, 733 4, 734 4, 664 20, 395	1,046 1,796 4,944 4,767 20,842	1, 116 1, 741 5, 056 4, 850 21, 030	1, 101 1, 700 4, 803 4, 788 20, 328	79. 4 63. 4 87. 4 91. 3 84. 3
Pennsylvania Rhode Island Tennessee Virginia Wisconsin	48, 810 327 13, 402 1, 898 8, 178	46, 107 310 12, 810 1, 803 8, 039	13,027	47, 861 324 13, 158 1, 840 8, 072	48, 128 322 12, 952 1, 787 8, 066	48, 470 310 13, 002 1, 765 8, 148	48,387 314 13,183 1,804 8,278	47, 938 325 13, 065 1, 883 8, 131	48, 057 340 13, 590 1, 934 8, 041	49, 771 338 13, 615 1, 992 8, 083	51, 999 350 14, 086 2, 063 8, 413	51, 173 346 14, 580 2, 087 8, 444	50, 840 842 13, 761 1, 971 8, 413	88. 7 86. 9 87. 0 84. 6 94. 8
UNDERWEAR						:								
United States: 1929 1925 1	41, 487 48, 328	38, 327 45, 833	39, 754 47, 590	40, 912 48, 593	41, 690 48, 682	41, 900 49, 028	41,827 47,884	41, 384 48, 601	41, 056 47, 075	42, 102 48, 243	43, 122 49, 804	43, 713 50, 580	42, 053 50, 032	87. 7 90. 6
Connecticut Georgia Massachusetts Michigan	1, 113 2, 691	1, 218 998 2, 696 1, 457	1, 245 1, 060 2, 720 1, 355	1, 252 1, 097 2, 742 1, 392	1, 248 1, 050 2, 715 1, 438	1, 248 988 2, 683 1, 441	1, 246 1, 073 2, 712 1, 446	1, 225 1, 054 2, 643 1, 473	1, 052 1, 088 2, 667 1, 422	1,049 1,120 2,663 1,450	1, 136 1, 144 2, 718 1, 483	1, 195 1, 360 2, 696 1, 532	1, 180 1, 324 2, 636 1, 534	83. 8 72. 6 96. 1 88. 3
New York North Carolina Ohio Pennsylvania	2,458 1,149 6,800	10, 891 2, 350 1, 058 6, 275	11,778 2,492 1,072 6,414	12, 342 2, 433 1, 060 6, 609	12,819 2,451 1,122 6,697	13, 063 2, 514 1, 141 6, 726	12,862 2,506 1,137 6,701	12, 740 2, 491 1, 164 6, 706	12, 328 2, 473 1, 186 6, 810	12, 910 2, 484 1, 177 6, 965	13, 379 2, 432 1, 229 7, 187	13, 517 2, 468 1, 250 7, 393	12, 754 2, 306 1, 187 7, 230	80. 6 93. 5 84. 6 85. 6
Utah	- 906 - 680 - 424	870 600		110 934 669 412	122 946 672 454	122 957 661 426	117 972 038 419	108 842 675 378	124 770 711 374	125 909 717 389	112 907 740 441		66 947 661 429	52.8 79.2 79.1 79.4

TABLE 10.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, FOR THE INDUSTRY, 1929, 1925, 1919, 1914, AND 1909, AND FOR ITS BRANCHES, 1929 AND 1925, AND BY STATES, FOR THE INDUSTRY AND ITS BRANCHES, 1929—Continued

[See note at head of this table]

	Average number		N	UMBER EN	PLOYED O	N 15TH DA	Y OF MON	TH OR NE.	AREST REP	RESENTATI	AY DYA			Per cen
STATE	employed during year	January	February	March	April	Mny	June	July	A ugust	Septem- ber	October	Novem- ber	Decem- ber	mum i of maxi mum
OUTERWEAR					77777		THE RESERVE THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T	, .			1 ,			
United States: 1929 1925 1	28, 968 27, 986	26, 118 26, 002	27, 646 27, 408	28, 680 28, 027	28, 922 27, 682	28, 625 27, 402	28, 750 27, 029	28, 190 20, 917	20, 201 27, 403	30, 919 29, 281	82, 224 80, 882	30, 328 29, 785	28, 008 27, 267	81. ( 84. 2
California Illinois Massachusetts Michigan	1, 961	1, 276 521 1, 587 143	1, 314 465 1, 702 145	1, 290 489 1, 829 154	1, 239 494 1, 915 177	1, 206 505 2, 045 180	1, 234 470 2, 170 173	1, 232 481 1, 980 174	1, 202 462 1, 825 100	1, 201 485 1, 942 193	1, 201 563 2, 133 191	1, 323 605 2, 186 159	1, 402 505 2, 220 142	85. ( 70. 4 71. 8 73. (
Minnesota New Jersey New York Ohio	125 938 11, 836 2, 560	75 758 10,883 2,418	90 883 11, 222 2, 654	102 014 11, 633 2, 686	133 892 11,812 2,584	148 898 11,601 2,431	141 880 11, 555 2, 617	124 842 11, 230 2, 507	135 969 12, 033 2, 460	150 1, 067 12, 833 2, 897	153 1, 132 13, 379 2, 814	142 1,009 12,361 2,461	108 024 11, 470 £, 203	
Pennsylvania Utah Washington Wisconsin	4, 571 295 180 2, 516	4, 048 198 164 2, 281	4, 341 204 166 2, 357	4, 426 230 106 2, 403	4, 480 250 191 2, 439	4, 530 267 191 2, 359	4, 495 311 166 2, 330	4, 513 375 189 2, 451	4, 634 388 173 2, 654	4, 034 383 195 2, 747	5, 166 359 199 2, 916	4, 884 333 193 2, 722	4, 403 242 182 2, 473	78. 51. 09. 78,
KNIT CLOTH								(. 		1	ĺ	}		
United States: 1929 1925 1	8, 491 6, 424	8, 112 6, 432	8, 289 6, 376	8, 377 6, 365	8, <i>0</i> £7 6, 370	8, 070 6, 150	8, 039 6, 152	8, 153 6, 051	8, 675 0, 405	9, 147 6, 904	9, 535 6, 807	0, 080 6, 610	8, 385 6, 464	84.5 87.0
Massachusetts Michigan New York Pennsylvania Rhode Island	1, 637 53 2, 455 1, 060 360	1,800 20 2,496 1,804 336	1, 423 30 2, 606 1, 867 256	1, 535 17 2, 550 1, 890 203	1, 488 17 2, 300 1, 813 274	1, 516 41 2, 320 1, 860 309	1, 527 57 £, 278 1, 857 322	1, 517 49 2, 278 1, 907 389	1, 744 85 2, 340 2, 035 391	1, 994 88 2, 532 2, 160 390	2, 123 89 2, 643 2, 212 482	1, 805 76 2, 573 2, 138 405	1, 573 64 2, 471 1, 975 428	65, 19, 86, 81, 53,

¹ Not tabulated separately for years prior to 1925.

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## LACE GOODS

Description of the industry.—The principal products of this industry are machine-made lace goods, of cotton, silk, rayon, and other materials. Nearly all the mills ham lace curtain, levers-lace, and bobbinet machines.

purchase their yarns, some of which are imported. These imported yarns are used chiefly on the Notting-

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1914 TO 1929

YEAR OR PERIOD	Number of establish- ments	Wage carners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products 1	Value added by manufacture ?	Horsepower
1020 1027 1925 1023 1021 1010 1014	42	6, 854 6, 482 7, 006 7, 307 6, 396 6, 490 7, 440	\$7, 670, 122 7, 584, 848 7, 620, 100 8, 084, 908 6, 203, 902 6, 086, 557 3, 468, 081	\$10, 112, 358 11, 302, 379 13, 361, 423 14, 631, 019 11, 321, 446 13, 075, 904 5, 676, 948	\$29, 237, 434 27, 208, 150 30, 843, 507 35, 791, 878 26, 981, 003 29, 396, 853 13, 206, 785	\$19, 125, 081 15, 005, 780 17, 482, 084 21, 100, 850 14, 650, 647 16, 320, 850 7, 529, 837	10, 468 11, 300 9, 507 9, 545 (4) 9, 078 8, 817
Tangan Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin Marin			PER CE	NT OF INCREASE OR I	DECREASE (-)		
1927-1929	(4)	5,7 -7,5 -4,1 14,2 -1,4	1. 1 -0. 5 -5. 7 30. 2 2. 0 26. 0	-11. 2 -14. 7 -8. 7 20. 2 -13. 4 -22. 7	7.1 -11.5 -13.8 37.8 -11.6	20. 2 -9. 0 -17. 4 44. 3 -10. 2	-7.5 19.0 -0.4

1 The figures for all years refer to production, not sales. See General Explanations—Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture, 3 No comparable figures available for earlier years, 4 Not called for on solecule, 4 Per cent not computed where base is less than 100.

#### TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Certain of the "Other States," however, reported larger values of products than some of the States shown separately]

!	ber of Salaried e		Wage earners		OWER HTY) OF MENT	(RATED POWER			FOR PROD	TERIALS, CON UCTS, FUEL, A LECTRIC ENE	AND PUR-		Valus	
STATE	Census year	estab-	officers	(average for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tainers	Fuel and pur- chased energy	Value of products 2	ndded by by manu- facture
United States	1020	42	836	6, 854	10, 466	7, 337	3, 129	\$2,899,867	\$7,670,122	\$10, 112, 353	\$9, 716, 089	\$306, 264	\$20, 237, 434	\$19, 125, 081
	1927	43	752	6, 482	11, 309	8, 348	2, 961	2,213,902	7,584,848	11, 392, 379	10, 920, 334	472, 045	27, 208, 150	15, 905, 780
	1919	44	698	6, 490	9, 078	6, 960	2, 118	2,024,441	6,086,557	13, 075, 994	12, 676, 005	309, 989	20, 306, 853	16, 320, 859
New Jersey	1929 1927 1919	(1) 6	28 (1) 32	215 (1) 202	725 (1) 149	522 (4) 15	203 (1) 134	76, 894 (4) 96, 582	267, 539 (4) 211, 470	338, 100 (4) 419, 732	304, 240 (1) 400, 11	33,860 (1) 10,616	910, 066 (4) 998, 722	571, 066 (1) 578, 990
New York	1929 1927 1919	9 6	127 120 91	892 880 822	1, 583 1, 867 1, 370	1, 175 1, 504 1, 367	408 363 3	385, 918 216, 988 261, 702	1,097,853 1,084,671 749,057	1,434,681 1,533,211 1,992,281	1, 368, 857 1, 455, 030 1, 927, 996	65, 824 78, 181 64, 285	4, 164, 916 3, 534, 241 4, 146, 000	2,730,235 2,001,030 2,153,719
Pennsylvania.	1929	12	470	3, 634	5, 571	4, 735	836	1, 931, 317	3, 728, 278	5, 156, 664	4, 988, 030	168, 634	15, 840, 820	10, 684, 165
	1927	12	400	3, 723	6, 660	5, 884	776	1, 472, 460	4, 361, 106	6, 909, 629	0, 653, 797	255, 832	16, 900, 537	10, 680, 908
	1919	13	345	3, 140	5, 185	4, 523	662	1, 108, 333	2, 776, 982	6, 410, 317	6, 216, 894	193, 423	14, 813, 995	8, 403, 678
Rhode Island	1929	11	86	1, 005	1,456	355	1, 101	279, 076	1, 133, 353	1,554,521	1, 489, 074	65, 447	4, 261, 995	2, 707, 474
	1927	10	44	846	1,411	355	1, 056	155, 638	027, 298	1,143,037	1, 087, 888	55, 140	2, 792, 672	1, 649, 635
	1919	10	68	941	1,181	470	711	182, 420	960, 987	1,872,335	1, 811, 763	60, 572	4, 110, 419	2, 238, 084
Other States	5 1929	6	125	1, 108	1, 131	550	581	226, 662	1, 448, 104	1, 628, 387	1, 565, 888	62, 499	4, 059, 028	2, 431, 241
	6 1927	12	182	1, 027	1, 371	605	766	368, 816	1, 231, 713	1, 806, 502	1, 723, 619	82, 883	3, 980, 709	2, 174, 207
	7 1919	9	162	1, 385	1, 193	585	608	375, 314	1, 379, 061	2, 381, 329	2, 310, 236	71, 093	5, 327, 717	2, 946, 388

Not including proprietors and firm members, as follows: For 1929, 4; 1927, 10; 1919, 8. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 7,694; 1927, 7,250; 1919, 7,106.

The figures for all years refer to production, not sales. See General Explanations—Value of Products.

Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

Withheld from publication in order to avoid disclosing data for individual establishments.

Connecticut, 4 establishments; Illinois, 1; Ohio, 1.

Connecticut, 5 establishments; Illinois, 1; New Hampshire, 2; Ohio, 1.

Table 3.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1929, 1927, 1925, AND 1923

[The figures refer to production, not sales. See General Explanations—Value of Products. Figures are given for each State which can be shown separately without disclosing data for individual establishments]

KIND AND STATE	1929	1927	1925	1923
. Lace-goods industry, all products, total value	\$29, 237, 434	\$27, 298, 159	\$30, 843, 507	\$35, 701, 878
Lace goods Other products (not normally belonging to the industry) Lace goods made as secondary products in other industries, value	27, 885, 844 1, 351, 590 44, 863	24, 171, 744 3, 126, 415 1 188, 660	29, 836, 628 1, 006, 879 312, 820	35, 593, 207 198, 671
ace goods, all industries: Aggregate value (sum of 2 and 4)	\$27, 930, 707	1 \$24, 360, 404	\$30, 140, 448	\$35, 503, 207
Nottingham lace curtains— Total pairs	6, 112, 561 \$11, 249, 575	1 5, 661, 119 1 \$10, 797, 895	4, 559, 617 \$10, 276, 737	6, 038, 378 \$12, 944, 108
Pennsylvania— Pairs	4, 893, 837 \$8, 950, 565	4, 535, 574 \$8, 713, 042	3, 576, 127 \$8, 092, 517	4, 704, 10) \$10, 297, 851
Other States— Pairs	1, 218, 724 \$2, 299, 010	1 1, 125, 545 1 \$2, 083, 953	083, 490 \$2, 184, 220	1, 334, 277 \$2, 046, 257
Nottingham lace-curtain nets— Total linear yards	14, 312, 593 \$4, 674, 705	10, 107, 410 \$5, 518, 338	28, 612, 348 \$8, 823, 034	80, 277, 712 \$10, 311, 870
Pennsylvania— Linear yards Value	12, 212, 333 \$3, 802, 728	15, 001, 634 \$4, 322, 891	22, 883, 004 \$0, 951, 813	22, 040, 636 \$8, 196, 80
Other States— Linear yards Value Levers laces, total value	2, 100, 260 \$872, 067 \$8, 755, 972	8, 295, 776 \$1, 195, 447 \$6, 262, 931	5,778,739 \$1,871,221 \$0,547,830	8, 237, 08; \$2, 115, 51; \$8, <b>02</b> 0, 40
New Jersey New York Pennsylvania Rhode Island Other States	\$748, 066 \$1, 311, 704 \$1, 114, 834 \$3, 855, 665 \$1, 725, 703	(*) \$959, 468 \$908, 640 \$2, 641, 834 \$1, 752, 980	(*) \$306, 236 (*) \$2, 063, 204 \$3, 278, 300	(1) (2) (1) (3), 795, 68 \$4, 233, 72
Allovers— Total square yards Total value	4, 958, 239 \$4, 367, 389	3, 019, 667 \$2, 460, 599	(a) (a)	(3) (3)
Cotton— Total square yards	1, 855, 572 \$1, 460, 680	789, 583 \$555, 484	(3) (a)	(3)
New York— Square yards Value Pennsylvunia—	292, 156 \$208, 840	(3)	8	(3)
Square yards	043, 092 \$530, 004	8	8	(8)
Square yards. Valuo. Other States— Square yards.	412, 668 \$301, 097	8	8	(B)
Value Rayon— Square vards	506, 756 \$414, 730 382, 802 \$420, 588	(1) 262, 937 \$220, 222	8	(B)
Value Other— Squaro yards Value	2, 720, 365 \$2, 480, 115	1, 967, 147 \$1, 603, 893	(3) (3)	(3)
Edgings, insertions, galoons, and flouncings, total value	\$4, 388, 583	\$3, 703, 332	(9)	(4)
Cotton, total value	\$2, 018, 980	\$2, 173, 503	(\$)	(3)
Pennsylvania Rhode Island Other States Rayon Silk Other Bobbinet, value Other nets and laces, value	815, 579 779, 540 923, 862 780, 655 80, 503 1, 409, 355 830, 878 2, 413, 402	500, 001 778, 786 885, 026 270, 012 51, 487 1, 288, 480 405, 752 1, 316, 488	(8) (3) (3) (2) (3) (4) 155, 726 4, 346, 121	(3) (3) (8) (8) (2) (3) (3) (4), 307, 82

TABLE 4.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY, BY KIND, QUANTITY, AND COST: 1929

[The difference between the sum of the costs of the several kinds of materials shown in this table and the total cost of materials as given in Tables 1 and 2 is due to the fact that this table covers only cortain specified materials, whereas the others cover all materials]

KIND	Pounds	Cost	KIND	Pounds	Cost
Yarn: Cotton Rayon	6, 452, 854 1, 361, 529	\$4, 231, 001 1, 839, 858	Silk: Raw Thrown	64, 990 52, 922	\$857, 427 300, 673

Revised.
Included in item for "Other States" to avoid disclosing output of individual establishments.
Not reported separately.
Not shown separately in order to avoid disclosing output of individual establishments.

Table 5.—MACHINERY, ACTIVE AND IDLE, BY CLASS AND NUMBER: 1929, 1927, AND 1925

	; -			1929		-	1927			1925	
	CLASS	* 4.44	Total	Active	Idle	Total	Active	Idle	Total	Active	Idle
Spindles:		V**		,						1. 56	
			22, 375	22, 375		22, 368	22, 368		22, 368	22, 308	
Doubling and t Domestic	wisting		14, 073	14,073		14, 360	14, 360		12, 584	12, 584	
Bobbinet-	ce-curtain—		451	426	25	533	389	144	518	485	38
Foreign  Levers— Foreign			518	58 493	2 25	85 490 10	80 434 10	56	28   474	26 441	3
Warp— Foreign Domestic.		2 114 24 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	32 33	21	30 208	27 87	3 181	41 16	31 16	1
Barmen— Foreign—— Domestic— Other—			509 166	465 166	44	610 284	511 155	99 129	730	668	7 4
Foreign Domestic.			15 13	13 10	2 3	21 18	13 8	8	249	205	4
Other machines			617	585	32	644	530	114	563	563	

TABLE 6.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	18	29	19	27	1:	925	11	919	1	914	PER CE TRIBUT RATED FOWER C	ION OF HORSE-
	TYPE	$=\frac{1}{2}\frac{101\times 9}{690\times 6}$	Number	Capacity	Number	Capacity	Num- ber	Capacity	Num- ber	Capacity	Num- ber	Capacity	1929	1919
Prime movers as		lriven by purchased	1,354	Horse- power 10, 466	1,185	Horse- power 11, 300	998	Horse- power 9,507	714	Horse- power 9,078	447	Horse- power 8,817	100. 0	100, 0
Prime move	rs, total		57	7, 337	79	8, 348	62	6, 959	74	6, 960	67	7,602	70. 1	76. 6
Steam, t	otal		54	7, 177	73	8, 121	54	6, 578	66	6, 708	50	6, 594	68. 6	73. 9
Eng Tur	inesbines		39 15	3,717 3,460	59 14	3, 698 4, 423	44 10	3, 410 3, 168	64 2	6,423 285	{1} {1}	(;)	35. 5 33. 1	70.8
Internal Water w	-combustion engine beels and water tu	srbines	3	160	2 4	37 190	1 7	8 375	4 4	77 175	2 0	36 972	1. 5	0.8 1.9
Electric mot	tors driven by pure	pased energy	1, 297	3,129	1,106	2, 961	936	2, 548	640	2,118	380	1,215	29. 9	23. 4
Electric motors,	total		8, 323	10, 913	3,011	10,722	2, 525	10, 032	1,256	4,734	1,074	4,736	100.0	100.0
Driven by p	ourchased energy	stablishments report-	1, 297	3,120	1, 106	2, 961	936	2, 548	640	2, 118	380	1,215	28. 7	44.7
Driven by o	nergy generated in e	stabusuments report-	2, 026	7,784	1,905		1,589	7, 484	616	2,616	694	3, 521	71.3	55. 3
Electric generat	ors			Kilowatts	.li	Kilo- watts 5, 242	30	Kilo- watts 5, 341	(2)	(1)	(2)	(2)		
Electric energy	ectric energy purchased 3			Kilowati- hours 2, 954, 472	1	. (1)		(1)		(1)		(2)		

¹ Not called for separately on schedule, ² Not called for on schedule.

Table 7.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, AND 1914, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by talle figures

- Infilitati diapiojiio	110 155 7110110	118011001												
	Average number		1	NUMBER E	MPLOYED (	ON 15TH D	AY OF MO	NTH OR NI	CAREST RE	PRESENTAT	TIVE DAY			Per cent
STATE	employed during year	1	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mum is of max- imum
United States: 1029		6, 774 7, 061 5, 941 7, 944	7, 019 6, 976 5, 975 7, 999	7, 198 7, 405 6, 003 8, 182	7, 137 7, 225 5, 961 7, 955	6, 940 7, 197 6, 074 7, 594	6, 738 7, 209 0, 420 7, 307	6, 593 6, 988 6, 533 7, 220	6, 478 6, 918 6, 781 7, 188	6, 652 6, 793 6, 871 7, 156	0, 884 6, 754 7, 015 7, 365	6, 901 6, 773 7, 000 6, 758	6, 938 6, 770 7, 300 6, 612	90. 1 91. 2 81. 4 82. 7
New Jersey New York Pennsylvania Rhodo Islaud	215 802 3,634 1,005	200 875 3, 630 995	283 915 8,718 997	287 950 8,742 1,047	232 922 3,710 1,089	218 877 3, 704 993	192 838 3, 641 983	175 837 8,610 917	187 841 3, 522 916	215 868 3, 521 1, 006	231 929 3, 537 1, 059	228 909 3, 633 1, 030	235 936 3, 643 1, 051	73, 8 88, 1 94, 1 85, 7

³ This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc. ⁴ Data incomplete.

## LINOLEUM AND ASPHALTED-FELT-BASE FLOOR COVERING

Description of the industries.—The establishments classified under the industry designation "Linoleum" are those whose principal products are plain, printed, and inlaid linoleum, and a form of linoleum known as cork carpet. Linoleum is made on a textile (burlap) foundation or backing. This foundation material is not made within the industry but is purchased, and therefore the process of manufacture consists principally in mixing and applying the ingredients with which the fabric is coated.

The "Asphalted-felt-base floor covering" industry consists in the manufacture of a floor covering which resembles linoleum, made by printing or painting on the surface of a foundation of asphalted felt.

Omission of State statistics.—In order to avoid disclosing the data reported by individual establishments, no State statistics are given for these industries.

TABLE 1.—SUMMARY FOR THE INDUSTRIES IN COMBINATION AND SEPARATELY, FOR THE UNITED STATES: 1921 TO 1929

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products 1	Value added by manufacture?	Horsepower
Total, for the Industries  1920	21 10 17 16 10 (6) (6) (6) (6)	7, 889 7, 806 7, 336 7, 943 5, 693 1, 1 6, 4 -7, 6 39, 5	\$12, 061, 421 11, 871, 452 9, 730, 460 10, 579, 450 7, 207, 043 1. 6 22. 0 —8. 0 46. 8	\$41, 768, 658 40, 402, 677 34, 807, 117 36, 417, 225 25, 635, 665 3, 4 16, 8 -4, 2 42, 1	\$89, 139, 411 81, 543, 020 77, 531, 936 77, 807, 206 48, 622, 153 9, 3 5, 3 —0, 4 60, 0	\$47, 371, 353 41, 140, 949 42, 634, 819 41, 390, 941 22, 987, 908 15. 1 -3. 5 3. 0 80. 1	62, 739 50, 336 41, 415 25, 905 (1) 24. 6 21. 5 50. 9
LINOLEUM  1020	7 6 7 9	5, 544 5, 364 4, 872 6, 261 4, 877 3, 4 10, 1 -22, 2 28, 4	\$3, 500, 183 8, 176, 644 6, 302, 699 8, 375, 839 6, 226, 341 4.7 27.0 -23.7 34.5	\$27, 480, 253 24, 215, 618 19, 1909, 626 27, 277, 311 21, 118, 444 13, 5 21, 3 — 20, 8 24, 4	\$57, 250, 440 47, 442, 441 44, 909, 453 52, 527, 106 38, 474, 848 20, 7 5, 6 -14, 3 36, 5	\$20, 761, 106 23, 226, 823 25, 632, 827 25, 240, 705 16, 556, 404 28, 1 -7, 2 -0, 0 52, 5	51, 647 41, 432 31, 840 23, 205 (1) 24, 7 30, 1 37, 2
ASPHALTED-FELT-BASE FLOOR COVERING  1020	12 11 9 10 (5)	2, 345 2, 442 2, 464 1, 682 816 4, 0 46, 5 106, 1	\$3, 501, 288 3, 604, 808 3, 337, 770 2, 203, 611 981, 602 -6, 2 10, 7 51, 6 124, 5	\$14, 278, 805 16, 186, 450 14, 030, 401 0, 180, 014 8, 710, 011	\$31, 888, 962 34, 100, 585 32, 532, 483 25, 280, 100 10, 147, 305  -6. 5 4. 8 28, 7 140, 1	\$17, 610, 157 17, 914, 126 17, 601, 902 16, 140, 246 6, 430, 694 —1, 7 1, 8 9, 1 151, 0	11, 002 8, 904 9, 575 2, 700 (1) 24. 6 -7. 0 254. 6

¹ The figures for all census years refer to production, not sales. See General Explanations—Value of Products.
2 Value of products loss cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
3 No comparable data for years prior to 1921.
4 Not called for on schedule.
4 Per cent not computed where base is less than 100.

Table 2.—General statistics for the industries in combination and separately, for the united states: 1929 and 1927

Sus   cstable of the lish   And em   class   Carter   C	COST OF MATERIALS, FUEL, AND FURCHASED ELECTRIC ENERGY Value			. :		WER (RA)	PACITY	Wage earners	Salaried	Num-	Cen-	
Total for the industries. 1929 21 1, 788 7, 889 62, 789 12, 181 50, 558 \$3, 594, 647 \$12, 061, 421 \$41, 768, 058 \$40, 008, 526 \$1, 750, 532 \$89, 139, 4	Total Materials purchased	Totul	Wages	Salaries	run by pur- chased			age for the	and em-	estab- lish-	sus	
1027   19   1,174   7,806   50,336   12,127   38,209   2,572,002   11,871,452   40,402,077   38,375,024   2,027,053   81,543,0	41, 768, 058	\$41, 768, 058 40, 402, 077	\$12, 061, 421 11, 871, 452	\$3, 594, 647 2, 572, 002	50, 558 38, 200	12, 181 12, 127		7, 889 7, 800	1, 758 1, 174	21 19	1929 1927	Total for the industries.
A sphalted-felt-base floor covering 1927 7 783 5, 364 41, 432 10, 119 31, 313 1, 757, 082 8, 176, 644 21, 215, 618 22, 891, 587 1, 324, 031 47, 442, 4	24, 215, 618 22, 891, 587 1, 324, 031 47, 442, 441 23, 226, 83 14, 278, 805 13, 767, 763 511, 042 31, 888, 962 17, 610, 14	21, 215, 618 14, 278, 805	8, 176, 644 3, 501, 238	1, 757, 082	31,313	10, 119	41, 432 11, 092	5, 364 2, 345	783 408	7.	1927 \$ 1929	Asphalted-felt-base floor

TABLE 3.—PRODUCTION, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1925 TO 1929

[The figures for all consus years refer to production, not sales. See GENERAL EXPLANATIONS-Value of Products]

RIND	1929	1927	1925	RIND .	1929	1927	1925
Linoleum and asphalted-felt-base floor covering industries, all products, total value	\$89, 139, 411	\$81, 543, 020	\$77, 531, 936	Linoleum, etc.—Continued, Asphalted-felt-base floor covering:		111 700 100	
Linoleum and asphalted-felt-base floor covering, value Other products (not normally be-	\$85, 687, 530	\$76, 939, 317	\$74, 541, 946	Total square yards Total value Piece goods—	117, 969, 725 \$36, 943, 057	111, 793, 136 \$34, 900, 255	77, 888, 999 \$30, 929, 431
Other products (not normally be- longing to the industries)	\$3, 451, 875	\$4, 603, 709	\$2, 089, 090	Total square yards Total value	57, 026, 300 \$14, 680, 017	50, 710, 679 \$14, 983, 205	55, 450, 607 \$17, 625, 022
Linoleum: Total square yards Total value	48, 272, 133 \$48, 744, 479	49, 921, 494 \$42, 039, 062	52, 830, 194 \$44, <b>512</b> , 515	12/4— Total square yards—— Total value————————————————————————————————————	6, 960, 553 \$2, 032, 865	10, 528, 809 \$3, 150, 549	(1) (1)
Piece goods— Total square yards———— Total value————————————————————————————————————	45, 403, 608 \$46, 810, 167	43, 166, 261 \$37, 865, 086	46, 840, 281 \$40, 273, 814	Made on less than "050"- gauge felt— Square yards Value Made on "050"-gauge felt	2, 169, 111 \$509, 821	(1)	(¹) (¹)
Inlaid— Total square yards Total value	23, 208, 418 \$27, 033, 688	18, 176, 590 \$19, 100, 680	10, 104, 285 \$18, 529, 339	or thicker— Square yards Value	4, 791, 442 \$1, 523, 044	(}	(1) (1)
Straight-line— Square yards Value	\$16, 288, 803	10, 969, 322 \$11, 501, 578	(1)	8/4 Total square yards Total value	44, 400, 278 \$11, 621, 078	44, 401, 230 \$10, 681, 852	(1)
Molded— Square yards Value Platn—	9, 037, 780 \$10, 744, 885	7, 207, 268 \$7, 509, 102	83	Made on less than ''050''- gauge folt— Square yards Value	23, 809, 293 \$5, 470, 632	(1)	(¹)
Total square yards Total value	10, 315, 862 \$13, 087, 869	9, 284, 962 \$10, 303, 419	8, 881, 585 \$10, 881, 581	Made on "050" gauge felt or thicker— Square yards	20, 590, 985	(i) (i)	0)
Battleship and A— Square yardsValue B, C, D, and E—	7, 603, 574 \$10, 631, 534	6, 617, 295 \$8, 393, 733	(1) (1)	Value	\$6, 150, 440 5, 665, 520 \$1, 026, 074	4, 780, 640 \$1, 150, 804	(i)
Square yardsValue	2, 712, 288 \$2, 456, 335	2, 667, 667 \$1, 909, 686	(1)	Made on less than "050"- gauge felt—			
Printed— Total square yards Total value	11, 471, 135 \$6, 235, 966	15, 183, 571 \$7, 946, 262	18, 304, 210 \$10, 817, 182	Square yards. Value.  Made on "050"-gauge felt or thicker—	5, 494, 659 \$965, 874	(1)	(1) (1)
12/4 and 10/4— Square yards	4, 870, 019	4, 769, 981	(1)	Square yards Value Rugs—	170, 870 \$60, 200	(1)	(t)
Value 8/4 and 10/4— Square yards. Value	6,601,116 \$3,461,053	\$2, 623, 250 10, 413, 500 \$5, 323, 003	(1)	Total square yards Total value  Made on less than "050"-gauge	60, 943, 365 \$22, 263, 940	52, 082, 457 \$19, 017, 050	22, 432, 302 \$12, 403, 500
Cork carpet— Square yards Value	408, 193 \$452, 644	521, 138 \$514, 725	490, 192 \$545, 712	felt— Square yards Value	27, 299, 303 \$7, 758, 888	(1)	(1) (2)
Rugs— Squaré yards Value	2, 808, 525 \$1, 934, 312	6, 755, 233 \$4, 173, 976	5, 989, 913 \$4, 238, 701	Made on "050"-gauge felt or thicker————————————————————————————————————	33, 044, 062 \$14, 504, 152	(1)	(1)

¹ Not reported separately.

¹ Not including one proprietor reported for each year by the "Asphalted-felt-base floor covering" industry.
2 The figures for all census years refer to production, not sales. See General Explanations—Value of Products.
3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
4 New Jersey, 4 establishments; New York, 1; Pennsylvania, 2.
5 ('alifornia, 1 establishment; Delaware, 1; Maine, 1; Massachusetts, 1; New Jersey, 7; Ohio, 1; Pennsylvania, 2.

Table 4.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS, ELECTRIC MOTORS, AND GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929; FOR THE INDUSTRIES IN COMBINATION AND SEPARATELY

	11	029	1:	27	1:	025	Per cent distribu-
TYPE TO BE A CONTROL OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	Number	Capacity	Number	Capacity	Number	Cupacity	tion of rated horse- power eapacity, 1929
TOTAL FOR THE INDUSTRIES		Horsepower	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Потверошет		11orsepower	
Prime movers and electric motors driven by purchased energy, aggregate	. 3,706	62,730	2,031	50, 336	2, 364	41,415	100, 0
Prime movers, total		12, 181	51	12, 127	50	11,679	19.
Steam, total		10, 081	50	12, 122	50	11,679	10.
EnginesTurbines	54 8	8, 601 1, 300	38 12	9, 384 2, 738	40 10	9, 542 2, 137	13. 2.
Internal-combustion engines		2,100	1	5	1		3,
Electric motors driven by purchased energy		50, 558	2,880	38, 209	2,314	20,736	80,
Electric motors, total	1	62, 905	8, 516	47,845	2, 886	30, 548	100.
Driven by purchased energy	ļ	50, 558 12, 407	2, 880 630	38, 200 0, 030	2, 314	29, 73A 9, 812	.80.
Driven by energy generated in establishments reporting	708	Kilowatts	030	V, 030 Kilowatts	572	Kilowatts	10.
Electric generators	20	5, 220 Killowatt-	34	5, 061	32	6, 630	
Electric energy purchased 1		hours 50, 843, 833	*****	(2)		(1)	
LINOLEUM	A SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF THE SERVICE OF T	Horsepower	A COLUMN TO THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE 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Prime movers and electric motors driven by purchased energy, aggregate	. 2, 574	61, 647	2,087	41, 432	1, 600	31,840	100.
Prime movers, total	. 56	10, 372	44	10, 110	38	9,861	20.
Steam, total		8, 272	43	10, 114	38	9, 861	16.
Engines Turbines	- 48	8, 077 105	33 10	8, 346 1, 768	31 7	8,308 1,553	15. 0.
Internal-combustion engines		2, 100	1	5			4.
Electric motors driven by purchased energy	2, 518	41, 275	2, 043	31, 313	1, 502	21,979	79.
Electric motors, total	3,090	52, 570	2, 556	40, 021	1,008	30, 505	100.
Driven by purchased energy.  Driven by energy generated in establishments reporting	2, 518 578	41, 275 11, 205	2, 043 513	31, 313 8, 708	1, 562 436	21, 979 8, 616	78. 21.
Electric generators.	_ 20	Kilowatts 3, 037 Kilowatt-	29	Kilowatts 5, 036	28	Kilowatts 5,995	
Electric energy purchased 1		hours 44, 080, 602		(2)		(3)	
ASPHALTED-FELT-BASE FLOOR COVERING		Horsepower		Horsepower		Horsepower	
Prime movers and electric motors driven by purchased energy, aggregate	1,132	11,002	844	8,004	704	9, 575	100,
Prime movers, total.	. 10	1,809	7	2,008	12	1,818	16,
Steam, total		1,800	7	2,008	12	1,818	10.
EnginesTurbines	- 6	014 1, 195	5 2	1, 038 970	9 3	1,234 584	5. 10.
Electric motors driven by purchased energy	1, 122	9, 283	837	0, 896	752	7,757	83.
Electric motors, total	1, 252	10, 395	960	7, 824	888	8, 953	100.
Driven by purchased energy	1,122 130	0, 283 1, 112	837 123	6,896 928	752 136	7,757 1,196	89. 10.
Electric generators.		Kilowatts 1,592	5	Kilowatts 925	4	Kilowatts 635	
Electric energy purchased 1		Kilowatt- hours 6, 763, 141		(²)		(2)	- '

 $^{^1}$  This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.  2  Data incomplete.

TABLE 5.—WAGE EARNERS, BY MONTHS, FOR THE INDUSTRIES IN COMBINATION AND SEPARATELY, FOR THE UNITED STATES: 1929 AND 1925

[The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average		-	NUMBER I	MPLOYED	ON 15TH I	OAY OF MO	NTH OR N	EAREST R	EPRESENTA	TIVE DAY			Per cent mini-
	number employed during year	January	February	March	April	Мау	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
TOTAL FOR THE INDUSTRIES														
United States: 1929 1925 ¹	7, 889 7, 336	8,481 7,646	8, 391 7, 916	7, 934 8, 205	7, 597 8, 198	7, 455 7, 971	7, 511 7, 679	7, 613 7, 276	7, 846 6, 365	7,858 6,746	7,843 6,582	8, 016 6, 678	8, 118 6, 776	87. 9 77. 6
LINOLEUM														
United States: 1929 1925 1	5, 544 4, 872	5, <b>936</b> 5, 189	5, 866 5, 322	5, 685 5, 477	5, 456 5, 472	5, 366 5, 338	5, 860 5, 139	5,397 4,880	5,528 4,001	5, 477 4, 396	5,378 4,256	5, 506 4, 390	5,502 4,604	90. 3 73. 1
ASPHALTED-FELT-BASE FLOOR COVERING													:	
United States: 1929 1925 ¹	2, 345 2, 464	2, 545 2, 457	2, 525 2, 594	2, 269 2, 728	2, 141 2, 726	2,089 2,633	2, 151 2, 540	2, 216 2, 396	2,318 2,364	2, 381 2, 350	2, 465 2, 326	2, 510 2, 288	2, 526 2, 172	82, 1 79, 6

¹ No comparable figures for earlier years.

## MATS AND MATTING, GRASS AND COIR

Description of the industry.—The establishments | carpets from such materials as wire grass, reeds, and classified in this industry are engaged primarily in the manufacture of doormats, floor mattings, rugs, and outer husk of the coconut).

coir yarn (coir being the fiber prepared from the

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products 1	Value added by manufacture ²	Horsepower
1929 1927 1925 1923 1921 1919 1914 1909 1904		407 422 902 086 628 1, 073 809 937 625 1, 107	\$430, 802 808, 420 760, 871 800, 089 670, 134 810, 607 455, 247 386, 434 249, 104 237, 282	\$084, 051 608, 856 1, 520, 463 1, 500, 407 1, 020, 348 2, 102, 580 1, 170, 214 1, 066, 566 574, 168 516, 137	3 \$1, 692, 200 1, 536, 567 3, 491, 538 3, 890, 359 2, 321, 710 4, 860, 856 2, 235, 867 2, 431, 615 1, 242, 900 1, 166, 330	\$1,007,249 807,711 1,905,085 2,380,892 1,301,302 2,758,275 1,005,653 1,305,040 608,828 640,103	(4) 1, 670 1, 643 1, 408 1, 234
			PER CEN	T OF INCREASE OR	DECREASE (-)		
1927-1020 1026-1027 1023-3025 1021-1023 1010-1021	(2)	10. 7 -53. 2 -8. 5 57. 0 -41. 5	10, 4 -48, 0 -14, 5 57, 3 -20, 7	2, 4 50, 2 1, 1 47, 9 51, 5	10, 1 -56, 0 -10, 3 67, 6 -52, 2	16. 1 -55. 8 -17. 5 83. 0 -52. 8	-0.3 -33.6 8.4
1019-1029 1000-1910 1809-1009	(5)	-56.5 14.5 -21.7	-45. 7 110. 8 62. 4	-07.4 97.1 100.6	-05, 2 90, 9 108, 7	-63.5 102.1 110.3	-22. 6 18. 6 -18. 8

TABLE 2.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929, 1927, AND 1919

[No State statistics can be given without disclosing data for individual establishments]

	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	Num-	Salaried officers	Wage earaers		OWER SITY) OF MENT	(RATED POWER			COST OF M.	ATERIALS, F D ELECTRIC I			Value add-
	Consus yoar	ber of estab- lish- ments		(aver- ago for the year)	Total	Prime movers	Motors run by pur- chased energy		Wages	Total	Matorials	Fuel and pur- chased energy	Value of products 2	ed by man- ufacture
United States	1929 1927 1919	7 7 12	52 53 93	467 422 1, 073	1, 293 1, 425 1, 670	930 1, 100 1, 325	363 325 345	\$145, 975 115, 991 229, 644	\$430, 802 308, 426 810, 607	\$684, 051 608, 850 2, 102, 580	\$056, 526 642, 590 2, 051, 382	\$28, 425 26, 266 51, 198	\$1,692,200 1,536,567 4,860,865	\$1, 007, 249 807, 711 2, 758, 275

¹ Not including proprietors and firm members, as follows: For 1929, 4; 1927, 3; 1919, 7. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage carners—as reported for the industry, are as follows: For 1929, 523; 1927, 478; 1919, 1,173.
2 For 1929, manufacturers's sales (shipments or deliveries); for carlier years, production. See General Explanations—Value of Products,
3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
4 California, 1 establishment; Minnesota, 1; New York, 2; Pennsylvania, 1; Wisconsin, 2.

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.
2 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
3 Includes value of miscellaneous products not normally belonging to the industry, valued at \$374,036. Does not include \$407,303, the value of mats and matting, grass and coir, made as secondary products by establishments classified in other industries. No comparable data for years prior to 1920 can be presented.
4 Not called for on schedule.
5 Per cent not computed where base is less than 100.

Table 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	15	929	1.5	927	1	925	11	)19	11	914	PER CENT BUTION O HORSEF CAPA	FRATED
Learn drawn graens was a sixt, some side.	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac-	Num- ber	Capac- ity	Num- ber	Capac-	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate.	107	Horse- power 1, 293	103	Horse- power 1, 425	134	Horse- power 2, 147	143	Ηοτεε- power 1, 670	62	Horse- power 1, 643	100. 0	100.0
Prime movers, total	5	930	3	1,100	5	1,445	8	1, 325	12	1, 455	71. 9	79.3
Steam, total	5	930	3	1, 100	5	1,445	7	1, 255	9	1, 370	71. 9	75. 1
EnginesTurbines	5	030	2	1,050 50	4	1, 425 20	6	1, 245 10	(3)	(1)	71. 9	74, 6 0, 5
Internal-combustion engines.							1	70	3	85		4. 2
Electric motors driven by purchased energy	102	363	100	325	120	702	135	345	50	188	281	20.7
Electric motors, total	113	496	110	584	210	1, 255	170	700	88	491	100.0	100.0
Driven by purchased energy. Driven by energy generated in establishments reporting.	102 11	363 133	100 10	352 182	129 81	702 553	135 35	345 355	50 38	188 303	73. 2 26. 8	49. 3 50. 7
Electric generators	3	Kilo- watts 150 Kilo- watt-	3	Kilo- watts 150	4	Kilo- watts 450	(2)	(2)	(2)	(2)	*******	*******
Electric energy purchased 1		hours 155, 581		(4)		(4)		(²)		(2)		

Not called for separately on schedule.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES: 1929, 1925, 1919, 1914, AND 1909 [The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average number			NUMBER	employed		DAY OF MO	ONTH OR N	earest r	EPRESENTA	TIVE DAY			Per cent
	employed during year	January	February	March	April	May	June	July	Angust	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
United States: 1929 1 1925	467 902 1,073 869 937	500 943 1,186 1,467 881	588 977 1,170 1,285 906	584 977 1,119 1,221 979	630 950 1,063 1,119 1,001	504 854 987 1,072 1,032	356 813 920 1,074 907	294 801 893 902 941	274 704 927 472 801	365 801 1,002 316 907	464 949 1,095 380 879	484 1, 015 1, 222 457 902	503 1,044 1,292 664 957	43, 5 67, 4 69, 1 21, 7 85, 2

[!] No statistics for States can be shown without disclosing data for individual establishments.

## MILLINERY

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture, for sale to the trade, of women's and children's trimmed hats, hat frames, millinery braids, millinery trimmings, and hat linings, and of infants' headwear. Many of the trimmed hats are made from wool-felt and fur-felt bodies purchased in the rough.

Knit headwear is not treated as a product of this industry, but is classified in the knit-goods industry. Custom millinery shops are not canvassed.

The millinery industry was given a separate classification for the first time at the census for 1927. At preceding censuses it had formed a part of an industry designated as "Millinery and lace goods, not elsewhere classified." No comparable figures can be given, therefore, for years prior to 1927.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1929 AND 1927

YEAR OR PERIOD	Number of estab- lishments	Wage earners (average for the year)	Wages	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products 1	Value added by manufacture ²	Horsepower
1929 1927 ³	1, 293 1, 148	32, 206 33, 311	\$42, 715, 059 46, 787, 735	\$98, 089, 059 103, 489, 714	\$195, 693, 457 209, 494, 828	\$97, 603, 798 106, 005, 114	10, 176 7, 920
			PER CEN	T OF INCREASE OR	DECREASE (-)		
1927–1929	12.6	-3, 3	8.7	-5.2	-6.6	-7.9	28, 5

1 For 1929, manufacturers' sales (shipments or deliveries); for 1927, production. See CENERAL EXPLANATIONS—Value of Products.
2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See CENERAL EXPLANATIONS—Value Added by Manufacture.
3 No comparable figures available for years prior to 1927. (See "Description of the industry," above.)

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929 AND 1927

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups. See General Explanations—Establishments Covered—Size]

	Cen-	Num- ber of	Sala- ried officers	Wago earnors	**				PRODUCTRI			LINERS FOR PURCHASED	ì	Value
STATE	sus your	estab- lish- ments	ees 1	(aver- age for the year)	Total	Prime mov- ers	Mo- tors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tainers	Fuel and purchased energy	Value of products?	added by manufac- ture \$
United States	1929 1927	1, 293 1, 148	5, 167 5, 345	32, 206 33, 311	10, 176 7, 920	1, 650 1, 781	8, 517 6, 130	\$15, 898, 015 14, 020, 920	\$42, 715, 050 46, 787, 785	\$98, 089, 050 103, 489, 714	\$97, 001, 687 102, 558, 100	\$1, 087, 992 931, 554	\$105, 693, 457 209, 404, 828	\$97, 603, 708 106, 005, 114
Individual States: California	1929 1927	92 55	320 204	2, 702 1, 958	462 267		462 207	710; 178 494, 697	2, 681, 300 2, 010, 182	4, 539, 947 3, 543, 183	4, 495, 668 3, 523, 542	44, 270 19, 641	10, 651, 790 8, 102, 270	6, 111, 852 4, 559, 087
Connecticut	1020 1020 1027	6 6	7 69 46	95 554 540	21 205 177	75 75	21 130 102	31, 100 192, 460 146, 639	98, 417 427, 264 424, 323	234, 052 990, 347 1, 008, 731	232, 414 975, 150 997, 064	2, 538 15, 107 11, 607	402, 750 1, 974, 252 1, 928, 161	167, 798 983, 905 919, 430
Illinois	1929 1927	110 138	401 618	3, 598 4, 208	1, 572 1, 617	775 747	707 870	1, 542, 680 1, 708, 441	4, 588, 851 5, 660, 793	10, 260, 807 12, 589, 628	10, 170, 127 12, 469, 296	90, 680 120, 332	19, 947, 859 26, 913, 402	0, 687, 052 14, 323, 774
Indiana Iowa	1029 1027 1020	8 3 4	28 17 12	189 217 158	52		25 12 52	61, 538 37, 952 54, 040	117, 026 108, 676 136, 581	255, 461 306, 038 168, 655	251, 880 304, 082 166, 915	3, 581 2, 006 1, 740	487, 972 660, 887 524, 246	232, 511 354, 849 355, 591 320, 806
Massachusotts	1927 1929 1027	28 33	82 110	160 1,307 1,445	854 880	175 278	12 079 552	14, 800 183, 802 253, 676	130, 208 1, 344, 511 1, 361, 602	227, 700 2, 612, 138 2, 318, 299	227, 500 2, 539, 326 2, 247, 418	72, 812 65, 881	548, 506 5, 131, 571 4, 493, 674	2, 519, 433 2, 180, 375
Minnosota	1929 1927	7 7	23 106	161 359	39 366	175	39 181	50, 904 212, 412	134, 45 <b>3</b> 307, 296	264, 385 786, 716	288, 074 773, 984	6, 311 12, 732	544, 368 1, 543, 413	279, 983 756, 697
Missouri New Jersey	1929 1927	45 58 13	310 488 43	2, 042 2, 978 400	483 591 126	60 256	417 335 123	9\$2, 516 1, 035, 303 165, 869	1, 709, 322 2, 712, 435 408, 384	4,921,148 5,505,103 1,104,941	4, 870, 237 5, 449, 240 1, 146, 845	50, 911 55, 863 18, 096	9, 622, 148 12, 214, 602 2, 241, 453	4, 701, 000 6, 709, 499 1, 076, 512
New York	1927 1929 1927	853 705	3, 226 3, 100	308 16, 655 16, 638	45		45 4, 254	47, 482	280, 785 20, 708, 270 29, 306, 876	384, 990	379, 105 63, 472, 090	5, 885 652, 821 542, 206	807, 145 125, 957, 160	1, 076, 512 512, 155 61, 832, 249 66, 173, 483

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929 AND 1927—Continued

[See note at head of this table]

		Num-	Sala- ried	Wage earners	(RAT	SEPO ED CAP. OWER I	ACITY)				ERIALS, CONTA FUEL, AND P NERGY			Value
STATE	Cen- sus year	ber of estab- lish- ments	officers and em- ploy- ees 1	(average for the year)	Total	Prime mov- ers	Mo- tors run by pur- chased energy	Salaries	Wages	Total	Materials and con- tainers	Fuel and purchased energy	Value of products ?	added by manufac- ture 3
Individual States—Con. Ohio	1929 1927	22 20	74 121	807 950	354 126		354 126	\$240, 797 280, 500	\$791, 500 948, 085	\$1, 471, 703 1, 834, 442	\$1, 451, 813 1, 815, 871	\$19, 890 18, 571	\$3, 153, 944 3, 903, 342	\$1, 682, 241 2, 008, 900
Oregon	1929	6	28	130	14		14	75, 318	122, 705	139, 017	136, 919	2,098	429, 787	290, 770
Pennsylvania	1929 1927	33 41	126 147	1,071 982	602 171	259	343 171	328, 432 308, 112	1, 121, 818 1, 059, 524	2, 254, 041 2, 381, 694	2, 211, 550 2, 358, 649	42, 401 23, 045	4, 896, 624 4, 373, 819	2, 642, 583 1, 992, 125
Texas	1920 1927	17	84 68	397 391	37 29		37 20	200, 501 166, 951	338, 263 240, 430	853, 503 720, 150	843, 125 717, 305	10, 378 2, 845	1, 899, 170 1, 404, 907	1, 045, 667 684, 757
Utah	1929	5	18	102	29		29	29,678	71, 353	138, 270	136, 604	1,666	346, 220	207, 950
Washington	1920 1927	8	39 53	268 222	25 27		25 27	91,692 135,222	250, 834 222, 670	418,790 423,237	415, 759 420, 706	3, 031 2, 531	882, 802 862, 114	464, 012 438, 877
Wisconsin	1929 1927	9 8	77 98	952 1,000	572 558	110 110	462 448	308, 208 329, 576	945, 999 951, 878	1,944,666 1,862,731	1, 916, 128 1, 838, 193	28, 538 24, 538	3, 787, 013 3, 878, 988	1, 842, 347 2, 016, 257
Groups of States: Ala., 1 est.; Va., 3 R. I., 2 est.; Md., 9 Other States (Ariz., 1	1929 1929	4 11	49 30	177 178	36 47		30 47	112,666 33,255	135, 891 139, 035	290, 633 489, 130	288, 677 484, 928	1, 950 4, 202	687, 951 905, 710	307, 318 416, 580
est.; Colo., 3; Mich., 5; Nebr., 1; Okla., 2).	1929	12	22	263	331	100	171	76, 996	353, 132	552, 214	537, 438	14,776	1, 218, 658	666, 444
States not shown sepa- rately	1927	41	148	861	202	75	217	304,809	903, 027	1, 814, 293	1,790,682	23, 611	3, 808, 336	1, 994, 043

Table 3.—PRODUCTS, BY CLASS AND VALUE, BY STATES: 1929

[The figures refer to sales (shipments or deliveries) by manufacturers. See General Explanations—Value of Products. Figures are given for each State which can be shown saparately without disclosing data for individual establishments!

snown separately w	ttnout disclosing	data for individual establishments	
CLASS AND STATE	Value	CLASS AND STATE	Value
Millinery industry, all products, total value     Millinery     Other products (not normally belonging to the industry)     Receipts for contract work     Millinery made as a secondary product in other industries	\$195, 693, 457 193, 734, 388 952, 221 1, 006, 848 2, 240, 443	Millinery, all industries—Continued. Trimmed hats—Continued. Wool-felt hats made from purchased bodies—Continued. Ohio. Pennsylvania. Texas	\$1,473,835 878,605 648,862
Millinery, all industries: Aggregate value (sum of 2 and 5)	195, 974, 831	Washington Wisconsin Other States (Ala., Ariz., Colo., Conn., Ind., Mich., Nebr., Okla., Oreg., R. I., Utah, Va.)	326, 924 1, 624, 716 1, 084, 332
Trimmed hats, total	173, 518, 281	Fur-felt hats made from purchased bodies, total	27, 535, 597
California Georgia. Hitnois Iowa Maryland Massachusetts Minnesota Missouri New Jersey New York Ohio Pennsylvania Texas Utah Washington Wisconsin Other States (Ala., Ariz., Colo., Conn., Ind., Mich., Nebr., Okla., Oreg., R. I., Va.)	10, 425, 998 1, 934, 274 18, 332, 880 602, 246 670, 410 3, 939, 873 5, 44, 368 8, 863, 561 1, 790, 052 100, 901, 446 3, 994, 400 3, 345, 603 1, 765, 229 301, 375 778, 141 3, 769, 713 3, 362, 698	California Illinois Massachusetts. Missouri New York Ohio Pennsylvania. Texas Other States (Oolo., Conn., Ga., Ind., Iowa, Md., Minn., Okla., Oreg., Utah, Va., Wash., Wis.) Other trimmed hats, total California. Illinois Massachusetts. Missouri New Jersey. New York	2, 265, 403 1, 734, 302 208, 701 608, 730 20, 218, 328 325, 959 442, 031 204, 425 1, 527, 658 80, 851, 335 5, 190, 984 10, 178, 991 2, 215, 508 5, 412, 234 590, 886 46, 807, 158
Wool-felt hats made from purchased bodies, total	65, 131, 349	Ohio. Pennsylvania	1, 294, 612
California Georgia Illinois Iowa Maryland Massachusetts Minnesota Missouri Now Jersey New York	1, 515, 414 83, 305 2, 832, 597 1, 226, 166	Texas Other States (Ala., Ariz., Colo., Conn., Ga., Ind., Iowa, Md., Mioh., Minn., Nebr., Okla., Oreg., R. I., Utah, Va., Wash., Wis.)  Hat frames, total  New York Other States (Calif., Conn., Ill., Iowa, Mo., Ohlo, Oreg.,	594,555

¹ Not including proprietors and firm members, as follows: For 1929, 782; 1927, 843. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 38,155; 1927, 39,499.

1 The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of Products.

2 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Alabama, 1 establishment; Colorado, 1; Connecticut, 5; Louisiana, 3; Maryland, 9; Michigan, 8; Nebraska, 3; Oklahoma, 1; Oregon, 3; South Carolina, 1; South Dakota, 1; Tennessee, 3; Virginia, 2.

#### MILLINERY

## TABLE 3.—PRODUCTS, BY CLASS AND VALUE, BY STATES: 1929—Continued

[See note at head of this table]

CLASS AND STATE	Value	CLASS AND STATE	Value
Millinery, all industries—Continued, Hat linings, total  Illinois. New York. Other States (Muss., Mo.).  Millinery braids, total.  Real horsohair, total.  New York. Texas. Other States (Iowa, Pa., Wis.).  Artificial or imitation horsehair, total.  New York. Other States (Calif., Ill., Iowa, Mo., N. J., Pa., Tex.).  Artificial or linitation straw, total.  New York.	3, 968, 931  218, 845  141, 940 40, 590 37, 209  1, 284, 860 627, 760 657, 096	Infants' headwear, total.  New York Other States (Iowa, Mo., N. J., Pa., Tex., Utah)  Other millinery products	2, 464, 918 9, 451 1, 392, 520 1, 062, 947 5, 290, 079
Other States (Calif., Ill., Iowa, Mo., Ohio, Oreg., Pa., Tex., Utah)	357, 451		1 13

TABLE 4.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS, ELECTRIC MOTORS, AND GENERATORS, 1929 AND 1927; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

		1929	1927		Per cent			1929	19	27	Per cent distri- bution
TYPE	Num- ber	Capacity	Num- ber		bution of rated horse- power capacity, 1929	түрк	Num- ber	Oupacity	Num- ber	Ca- pacity	of rated horse- power
Prime movers and electric motors driven by purchased energy, aggregate	4, 600	Horse- power 10, 176	4, 247	Horac- power 7,020	1. 4	Electric motors, total	4, 766	Ilorse- power 9, 376	4, 355	Horse- power 6,778	100. 0
Prime movers, total	32	1, 050	31	1, 781	16.3	Driven by purchased energy	4, 568 198	8, 517 850	4, 216 139	6, 139 687	9. 2
Steam, total	82	1, 050	20	1, 701	16. 3	trinianitairis topor stilg		000	1.00	Kilo-	
Engines Turbines	20 3	1, 575 84	26 3	1, 754 7	15. 5 0. 8	Electric generators	10	Kilowatts 800 Kilowatt-	0	rvalts 675	
Internal-combustion engines			2	20		Electric energy purchased 1		hours 17, 913, 802		( ² )	} 
Electric motors driven by pur- chased energy	4, 568	8, 517	4, 216	6, 139	83. 7		A 1 171				

¹ This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.

#### TABLE 5.-WAGE EARNERS, BY MONTHS, BY STATES: 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Average			NUMBER :	employed	ON 15TH I	OM TO YAC	NTH OR N	EAREST RI	CPRESENTA	TIVE DAY	.,		Per cent
STATE	number employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum
United States	32, 206	32, 090	34, 939	37,760	36, 681	32, 196	28, 822	26, 381	32, 106	35, 371	33, 510	28, 762	27,841	69. 9
California Connecticut Georgia Illinois Indiana	95	2, 570 100 597 3, 432 181	2, 760 97 608 3, 816	3, 208 116 770 4, 201 272	3, 228 116 703 4, 292 214	2, 944 89 540 3, 639 165	2, 412 82 497 3, 257	2, 268 75 421 2, 889 167	2, 874 75 492 3, 587 209	3, 134 102 585 4, 060 223	2, 848 98 516 3, 743 199	2, 130 97 410 3, 153 120	1,958 88 421 3,011 136	59, 4 64, 7 53, 2 67, 3 44, 1
Iowa Massachusetts Minnesota Missouri New Jorsey	2, 042	177 1,427 170 2,110	181 1, 019 232 2, 320 442	214 1, 649 254 2, 457 460	108 1,563 220 2,270 432	163 1,364 162 1,976 346	106 1, 284 110 1,720 348	144 1, 102 121 1, 821 384	183 1, 283 201 2, 084 334	177 1, 322 197 2, 165 361	143 1,054 118 1,944 408	108 944 93 1,746 471	110 1,057 49 1,879 404	47. 7 57. 2 19. 3 70. 0 70. 9
New York Ohio	807	16, 437 839 115 1, 197	17, 356 989 152 1, 253	18, 512 1, 062 170 1, 253	18, 180 1, 013 188 1, 172	10, 408 747 147 1, 115	14, 943 700 119 970	13,689 624 96 884	16, 457 867 126 940	18, 248 1, 000 145 1, 006	18, 071 871 125 1, 034	16, 219 506 <i>64</i> 985	15,287 468 112 1,039	73, 7 43, 6 35, 0 70, 6
Texas	397	378 97 207 1,011	478 105 277 1, 243	469 124 335 1,279	440 130 207 1,236	361 124 255 936	301 102 214 921	319 61 235 677	431 115 326 876	443 131 853 997	407 126 306 905	350 67 216 632	360 47 196 716	61. 6 35. 9 55. 5 49. 4

² Data incomplete.

## **NETS AND SEINES**

Description of the industry.—This industry embraces those establishments whose principal products are fish nets and netting, seines, and laundry nets.

Omission of State statistics.—In order to avoid disclosing data reported by individual establishments, no State statistics are given for this industry.

TABLE 1 .- SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

YEAR OR PERIOD	Number of establish- ments	Wage earners (a verage for the year)	Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products 1	Value added by manufacture ?	Horsepower
929 927 1925 1928 1921 1919 1914 1900 1904	19 21 21 17 15 19 15 13 12	903 869 885 882 705 859 1, 058 824 748	\$708, 871 776, 326 762, 480 749, 615 561, 282 378, 741 280, 757 243, 551 222, 146	\$3, 789, 350 3, 347, 719 3, 478, 903 3, 157, 327 1, 945, 749 3, 648, 206 2, 257, 903 1, 377, 918 1, 140, 516 866, 908	5, 114, 414	\$2, 375, 047 2, 053, 454 1, 678, 498 1, 470, 365 1, 070, 116 1, 406, 208 830, 040 820, 070 654, 306 610, 114	1, 165 1, 162 1, 190 1, 082 (3) 0,09 1, 934 1, 468 200 254
			Per ce	NT OF INCREASE OR	DECREASE (-)		
1027-1929 1025-1027 1023-1928 1021-1923 1919-1921	(1)	3.9 -1.8 0.3 25.1 -17.9	-1,0 1,8 1,7 51,4 -11,8	13. 2 -3. 8 10. 2 62. 3 -46. 7	14. 1 4. 7 11. 4 53. 4 -41. 0	15. 7 22. 3 14. 2 37. 4 —37. 0	-0, 6 -2, 4 10, (
1919-1929 1909-1919 1899-1909	(1)	-10.0 -10.0 27.5	37. 0 93. 7 30. 4	3. 0 164, 8 59. 1	169. 5	62. 0 181. 9 —14. 8	20. 4 34. 2 474. 0

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products.

² Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

³ Not called for on schedule.

Per cent not computed where base is less than 100.

#### TABLE 2.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929, 1927, AND 1919

[Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num- ber	Sala- ried	Wage earners	EQUII	OWER HTY) OF	(RATED POWER			COST OF MA	TERIALS, FU DELECTRIC I			Valuo
STATE	Census year	ber of estab- lish- ments	officers and em- ployees	(aver- age for the year)	Total			Salaries	Wages	Total	Total Materials Fuel and pur- chased energy		Value of products 1	added by manu- facture 3
United States	4 1929 5 1927 8 1919	19 21 19	138 120 70	903 869 859	1,155 1,162 959	533 733 755	622 429 204	\$314, 614 412, 786 200, 205		\$3,789,350 3,347,719 3,648,206	\$3,753,047 3,316,253 3,624,737	\$36,300 31,466 23,460		\$2, 375, 047 2, 053, 454 1, 466, 208

¹ Not including proprietors and firm members, as follows: For 1929, 7; 1927, 11; 1919, 5. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage carners—as reported for the industry, are as follows: For 1929, 1,048; 1927, 1,000; 1919, 943.

2 The figures for 1929 refer to sales (shipments or deliveries) by manufacturers; those for earlier years represent production. See General Explanations—Value of

The lightest of 1929 refer to sales (surplined of Gentality, 2).

Yalue of products less cost of materials, fuel and purchased electric energy. See General Explanations—Value Added by Manufacture.

Connecticut, 3 establishments; Georgia, 1; Illinois, 3; Maryland, 2; Massachusetts, 2; Mississippi, 1; Missouri, 1; New Jersey, 2; Ohio, 1; Pennsylvania, 1; Rhode Island, 1; Washington, 1.

Connecticut, 3 establishments; Georgia, 1; Illinois, 3; Maryland, 2; Massachusetts, 3; Missouri, 1; New Jersey, 3; New York, 1; Ohio, 1; Pennsylvania, 1; Rhode Island, 1; Missouri, 2; Pennsylvania, 2; Rhode Island, 1; Missouri, 3; Maryland, 2; Massachusetts, 3; Missouri, 4; New Jersey, 3; New York, 1; Ohio, 1; Pennsylvania, 1; Rhode Island, 1; Missouri, 4; Missouri, 4; Missouri, 4; Missouri, 4; Missouri, 5; Missouri, 6; Missouri, 8; Missouri, 8; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; Missouri, 9; 2; Wisconsin, 1.

Oalifornia, 1 establishment; Connecticut, 4; Illinios, 2; Maine, 1; Maryland, 2; Massachusetts, 3; Missouri, 1; New Jersey, 1; Pennsylvania, 2; Rhode Island, 1; Washington, 1.

Table 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

ТҮРЕ	19	29	1927		19:	25	1919		1914		PER CENT BUTION OF HORSEP CAPAC	FRATED OWER
	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capad- ity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate	325	Horse- power 1,155	231	Horse- power 1, 102	218	Horse- power 1, 190	90	Horse- power 959	89	Horse- power 1,934	100, 0	100, 0
Prime movers, total	3	533	5	738	7	743	5	755	8	1,700	40. 1	78. 7
Steam engines	2 1	530 3	4	730 3	4 1 2	730 3 10	1	780 25	5 2 1	1,725 35 30	45, 10 0. 2	76. 1 2. 6
Electric motors driven by purchased energy	322	622	226	429	211	417	94	204	81	144	53. 9	21. 3
Electric motors, total	542	1, 039	283	1, 005	234	732	150	516	154	1,681	100.0	100.0
Driven by purchased energy Driven by energy generated in establishments re-	322	622 417	226 57	429 576	211 23	447 285	94	201 312	81 78	144 1,537	50. 9	30, 5 60, 5
porting	220	Kito- waits 400 Kilowaii-	4	Kilo- watts 554	20	Kilo- walts 520	(1)	(1)	(1)	(1)	40, 1	00.0
Electric energy purchased 2		hours 480, 684		(3)		(3)		(1)		(1)		

TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, AND 1914 [The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

		Average		NUMBER EMPLOYED ON 18TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY											
		number employed during year	:1	Fobruary	Maroli	April	May	June	July	August	Septem-	Octobor	Novem- ber	Docem- ber	mini- mum is of maxi- mum
1929 1925 1910 1914	~~~~~	003 885 859 1,058	910 907 894 1,098	038 904 918 1, 131	045 000 910 1,000	919 898 878 1,060	891 874 830 1, 030	892 835 834 <i>970</i>	910 824 841 1, 014	018 830 854 1, 029	948 854 827 1, 048	831 935 749 1, 008	873 924 871 1, 073	858 924 896 1, 067	87, 7 88, 1 81, 6 85, 8

Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

## OILCLOTH

Description of the industry.—The establishments classified under the industry designation "Oilcloth" are those engaged primarily in the manufacture of enameled, table and shelf, and wall oilcloth. Oilcloth is made on a textile foundation of unbleached cotton sheeting or drill. This foundation material is not made within the industry but is purchased, so

that the process of manufacture consists principally in mixing and applying the ingredients with which the fabric is coated.

Omission of State statistics.—In order to avoid disclosing the data reported by individual establishments, no State statistics are given for this industry.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

YEAR OR PERIOD	Number of establish- ments	Wage carners (average for the year)	Wages	Cost of materials, fuel, and pur- chased electric energy	Value of products!	Value added by manufacture ²	Horsepower
1920 1927 1925 1928 1928 1921 1919 1919 1900 1904 1809	9 8 9 9 10 11 13 12 11	1, 412 1, 072 1, 160 1, 203 947 1, 180 1, 223 976 528 512	\$2, 144,067 1, 745,575 1, 675,290 1, 781,010 1, 337,120 1, 200,877 608,947 516,141 223,819 300,878	\$14, 024, 051 11, 818, 624 13, 549, 171 12, 165, 028 9, 283, 993 11, 140, 723 6, 523, 987 5, 404, 785 3, 270, 746 2, 696, 412	\$23, 107, 272 17, 642, 442 17, 843, 375 17, 710, 054 13, 691, 448 15, 430, 875 7, 906, 025 7, 525, 691 4, 404, 000 3, 595, 515	\$8, 182, 621 5, 823, 818 4, 204, 204 5, 554, 020 4, 407, 455 4, 200, 162 1, 472, 038 2, 120, 006 1, 133, 203 809, 103	5, 017 3, 565 3, 484 2, 880 (3) 4, 251 3, 490 1, 907 1, 374 1, 140
and the second second second second	* misir	9 124	PER CE	NT OF INCREASE OR	DECREASE (-)		
1927-1929 1925-1927 1923-1925 1921-1923 1910-1921 1910-1929 1909-1919 1809-1909	(S) (S) (S)	31.7 -7.6 -3.6 27.0 -16.2 25.0 15.8 90.6	22. 8 4. 2 -6. 9 33. 2 11. 3 78. 5 132. 7 71. 5	26.3 -12.8 11.4 31.0 -10.7 34.0 106.1 100.4	31.0 -1.1 .7 29.4 -11.3 49.7 105.1 109.3	40, 5 35, 6 -22, 7 26, 0 2, 6 90, 5 102, 6 135, 0	40. 7 2. 3 20. 7 

¹ The figures for all census years refer to production, not sales. See General Explanations—Value of Products.

² Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

³ Not called for on schedule.

⁴ Per cent not computed where base is less than 100.

TABLE 2.—GENERAL STATISTICS, FOR THE UNITED STATES: 1929, 1927, AND 1919

	Num- arled		Sal- aried officers	Wage earners		OWER ITY) OF MENT	(RATED POWER				ATERIALS, FU			Value
·	cen- sus year ber of estab- lish- ments	tab- and ish- em-	ad age for the	Troto1	morrore	Motors run by pur- chased energy		Wages	Total	Materials	Fuel and purchased energy	products ?	added by manufac- ture ³	
United States	4 1929 1927 1919	9 8 11	257 192 185	1, 412 1, 072 1, 130	3,565	2,777 2,260 950	2, 240 1, 305 3, 301	\$625, 157 511, 558 403, 877	\$2,144,067 1,745,575 1,200,877	\$14, 924, 651 11, 818, 624 11, 140, 723	\$14, 648, 554 11, 465, 437 10, 871, 320	\$270, 007 353, 187 200, 397	\$23, 107, 272 17, 642, 442 15, 436, 875	\$8, 182, 621 5, 823, 818 4, 206, 152

Not including 4 proprietors and firm members reported for 1919. None reported for 1927 or 1929. The total numbers of persons engaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 1,669; 1927, 1, 264; 1919, 1,319.
 The figures for all census years refer to production, not sales. See GENERAL EXPLANATIONS—Value of Products.
 Value of products less cost of materials, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value Added by Manufacture,
 Illinois, 1 establishment; Maine, 1; Massachusetts, 2; New Jersey, 3; New York, 1; Ohio, 1.

Table 3.—PRODUCTION, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1923 TO 1929

[The figures for all census years refer to production, not sales. See General Explanations—Value of Products]

KIND	1929	1027	1925	1923
1. Oileloth industry, all products, total value	\$23, 107, 272	\$17,642,442	\$17, 843, 375	\$17, 719, 054
2. Oilcloth 3. Other products (not normally belonging to the industry). 4. Oilcloth made as a secondery product in other industries, value.	\$22, 967, 676 \$130, 596 \$671, 907	\$17, 501, 137 \$141, 305 \$1, 261, 824	\$17, 696, 749 \$146, 626 \$1, 125, 118	\$17, 245, 518 \$473, 536 \$1, 468, 433
Ollcloth, all industries: Total square yards Total value (sum of 2 and 4)	125, 670, 840 \$23, 630, 583	105, 284, 402 \$18, 762, 961	87, 378, 411 \$18, 821, 867	81, 026, 642 \$18, 713, 951
Enameled— Square yards Value. Table and shelf—		10, 703, 532 \$2, 100, 187	7, 934, 223 \$1, 853, 509	8, 747, 783 \$2, 683, 060
Square yards Value. Wall— Square yards Value	, , ,	75, 560, 076 \$12, 551, 320 19, 020, 704 \$4, 012, 454	79, 430, 188 \$16, 968, 358	72, 278, 859 \$16, 030, 891

Table 4.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPR		1920		1927		1025		1919		1014		PER CENT DISTRIBUTION OF RATED HORSE-POWER CAPACITY	
		Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- bor	Capac-	1929	1919	
Prime movers and electric motors driven by purchased energy, aggregate.	388	Ilorse- power 5, 017	236	Horse- power 3, 505	195	Horse- power 3,484	440	Horse- power 4, 251	101	Horse- power 3,490	100. 0	100, 0	
Prime movers, total	14	2, 777	10	2, 260	10	2, 370	8	950	27	2, 445	55.4	22. 3	
Steam, total	14	2, 777	10	2, 260	10	2, 370	8	950	24	1,965	55.4	22. 3	
Engines Turbinos	13 1	2, 702 75	0	2, 185 75	9	2, 280 90	7	875 75	83	(1)	53. 9 1. 5	20. 5 1. 8	
Internal-combustion engines									3	480			
Electric motors driven by purchased energy	874	2, 240	226	1, 305	185	1, 114	438	3, 301	134	1, 045	44.6	77. 7	
Electric motors, total	1, 003	6, 213	705	4, 623	711	4, 539	498	3, 501	315	2, 693	100.0	100.0	
Driven by purchased energy Driven by energy generated in establishments reporting.	374 080	2, 240 3, 978	226 530	1, 305 3, 318	185 520	1, 114 3, 425	438 60	3, 301 200	134 181	1, 045 1, 648	36. 1 63. 9	04. 3 5. 7	
Electric generators	22	Kilo- watts 1,488 Kilo- watt-	18	Kito- watts 1,088	20	Kilo- walls 1,000	(1)	(2)	(P) ,	(1)			
Electric energy purchasod \$		hours 2, 614, 787		(4)		(4)		(2)		(2)			

Not called for separately on schedule.
 Not called for on schedule.
 This team covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

TABLE 5.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES: 1929, 1925, 1919, 1914, AND 1909

(The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures

	Average number	NUMBER EMPLOYED ON 18TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY											Per cent	
	omployed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mum is of maxi- mum
United States: 1929	1, 160	1, 405 1, 200 872 1, 208 082	1, 359 1, 240 880 1, 303 960	1, 396 1, 190 920 1, 295 987	1,394 1,184 1,010 1,275 966	1,839 1,176 1,120 1,224 938	1,370 1,086 1,158 1,208 949	1,366 1,076 1,107 1,156 958	1, 386 1, 101 1, 218 1, 186 955	1, 438 1, 125 1, 240 1, 166 975	1, 497 1, 153 1, 301 1, 188 097	1, 481 1, 197 1, 303 1, 184 1, 094	1,506 1,188 1,823 1,193 1,021	88. 9 86. 1 65. 9 88. 7 91. 1

## REGALIA, BADGES, AND EMBLEMS

Description of the industry.—The principal products of this industry are robes, costumes, badges, lodge paraphernalia, church vestments, religious medals,

printed ribbons, etc., for use by military, naval, fraternal, and religious organizations.

#### TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations—Establishments Covered—Size]

							· <del>,</del>
YEAR OR PERIOD	Number of establish- ments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products 1.2	Value added by manufacture ³	Horsepower
1929. 1927. 1925. 1928. 1921. 1919. 1914. 1900. 1904. 1899.	76 85 84 81 115 138	1, 757 1, 675 1, 992 2, 146 2, 204 2, 223 2, 010 2, 638 2, 498 1, 569	\$1, 824, 590 1, 760, 438 2, 032, 832 2, 090, 012 2, 048, 356 1, 800, 393 970, 963 1, 170, 690 1, 012, 768 471, 114	4, 422, 824 4, 287, 055 2, 205, 068	\$7, 927, 214 7, 691, 253 9, 623, 918 10, 585, 346 10, 359, 349 9, 395, 470 5, 025, 451 6, 120, 640 4, 753, 206 3, 049, 481	\$4,699,978 4,672,305 5,660,757 6,343,131 5,936,625 5,108,415 2,820,383 3,407,117 2,734,199 1,452,006	1, 105 1, 015 1, 068 1, 160 (4) 1, 821 655 784 676 205
	1.		PER. CE	NT OF INCREASE OR	DECREASE ()		
1927-1929 1925-1927 1923-1925 1921-1923 1919-1921 1919-1929 1909-1919 1890-1909	(5) (5) (5) (-29, 6) -33, 0	4.9 15.9 7.2 2.6 0.9 21.0 15.7 68.1	3.0 -13.4 -2.7 2.0 13.8 1.3 53.8 148.5	57. 5	3. 1 -20. 1 -9. 1 2. 2 10. 3 -15. 6 53. 3 101. 0	0.0 -17.5 -10.8 6.8 16.2 -8.0 49.9 134.6	8, 9 -5, 0 -7, 9 -16, 4 08, 5 282, 4

¹ For 1929, manufacturers' sales (shipments or deliveries); for earlier years, production. See General Explanations—Value of Products,

Includes values of miscellaneous products normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of regalia, badges, and emblems, as follows: For 1929, \$113,440; 1927, \$589,524; 1925, \$655,355; corresponding amounts for earlier years not available. Does not include values of regalia, badges, and emblems made as secondary products by establishments classified in other industries, as follows: For 1929, \$628,789; 1927, \$815,791; 1925, \$421,990; 1923, \$707,773; 1921, \$348,903; 1910, \$177,062; corresponding amounts for earlier years not available.

3 Value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Not called for on schedule.

5 Per cent not computed where here is less than 190

b Per cent not computed where base is less than 100.

### REGALIA, BADGES, AND EMBLEMS

TABLE 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics for each State for which figures can be given without disclosing data for individual establishments, and for the remaining States in groups.

Certain of the States, however, for which statistics are shown in combination with those for others reported larger values of products than some of the States shown separately. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num	Salaried officers	Wage carners	CAPAC	OWER HTY) OF PMENT				COST OF MA	TERIALS, FU ED ELECTRIC	EL, AND ENERGY		Value
STATE	Census year	ber of estab- iish- ments	and em- ploy- ees ¹	(aver- age for the year)	Total	Prime movers	Motors run by pur- chased energy	Salaries	Wagos	Total	Materials	Fuel and pur- chased energy	Value of products 2	added by manufac- ture ³
United States	1929 1927 1919	77 70 115	361 474 606	1, 757 1, 675 2, 223	1, 105 1, 015 1, 321	350 374 313	746 041 4 1, 008	\$902, 513 1, 001, 950 951, 095	\$1,824,590 1,760,438 1,800,383	\$3, 227, 236 3, 018, 048 4, 287, 055	\$3, 104, 457 2, 966, 870 4, 233, 760	\$62, 779 52, 078 53, 295	\$7, 027, 214 7, 001, 253 0, 305, 470	\$4, 690, 978 4, 672, 305 5, 108, 415
Individual States: Illinois	1929 1927 1919	9 12 14	42 04 79	99 152 217	89 81 97		89 81 97	84, 366 103, 006 107, 150	132, 751 192, 638 160, 983	211, 240 200, 204 470, 751	200, 218 289, 710 471, 530	5, 022 6, 404 5, 221	533, 274 765, 410 937, 141	322, 034 469, 215 400, 390
Maryland	1929 1927 1919	5 3 5	11 13 11	48 44 52	38 15 13		38 15 13	10, 744 20, 405 14, 203	46, 555 38, 991 36, 141	48, 833 50, 647 50, 460	46, 731 55, 594 48, 842	2, 102 1, 053 1, 624	140, 093 130, 051 135, 763	91, 260 79, 404 85, 207
Massachusetts	1929 1927 1919	9 9 7	22 21 26	70 91 103	95 105 09	56 96	90 30 30	38, 771 35, 837 30, 348	82, 532 90, 934 92, 263	111, 180 112, 260 174, 410	106, 106 109, 341 171, 495	4, 984 2, 919 2, 915	300, 250 306, 247 308, 204	189, 070 193, 087 223, 884
New Jersey	1920 1927 1919	6 3 10	12 8 14	47 27 87	37 20 70	3 3 43	34 23 27	33, 728 21, 572 38, 657	62, 575 34, 003 68, 200	80, 538 40, 512 84, 994	80, 483 45, 319 82, 140	3, 055 1, 193 2, 854	232, 282 129, 505 233, 854	142, 744 83, 083 148, 860
New York	1920 1927 1910	16 17 31	72 65 59	288 204 232	130 71 76		130 71 76	207, 004 124, 189 113, 688	319, 782 239, 876 237, 310	750, 487 557, 441 600, 103	742, 008 552, 534 502, 778	7, 780 4, 907 7, 325	1, 796, 353 1, 242, 209 1, 220, 580	1, 045, 866 684, 768 620, 477
Ohio	1920 1927 1910	7 6 10	129 132 217	720 626 894	334 306 304	300 275 270	34 31 34	360, 004 333, 010 360, 389	740, 173 630, 161 732, 321	1, 204, 074 1, 144, 878 1, 714, 978	1, 244, 383 1, 128, 681 1, 005, 339	19, 691 16, 197 19, 639	3, 018, 372 2, 830, 009 3, 987, 065	1, 754, 298 1, 695, 031 2, 272, 087
Pennsylvania	1929 1927 1910	6 7 18	14 16 20	54 70 74	30 20 20		30 20 20	27, 232 28, 124 27, 737	62, 694 66, 505 52, 587	99, 941 147, 705 158, 738	97, 481 144, 825 150, 463	2, 460 2, 940 2, 275	224, 471 285, 015 320, 043	124, 530 137, 250 161, 305
Groups of States: D. C., 1 est.; S. C., 1; Tenn., 1	1929	3	4	19	9		o	12, 850	13, 328	15, 724	14,780	1944	80, 800	34, 570
Ind., 1 est.; Iowa, 1; Mo., 4	1929	. 6	28	88	84		84	64, 923	08, 340	104, 289	100,788	3, 501	303, 100	198, 910
Mich., 1 est. Minn., 3; Wis., 1; Other States (Calif.,	1929	5	13	256	240	~ = # # # # # # # #	240	20, 032	240, 667	428, 820	416, 646	12, 174	1, 064, 712	635, 802
3 est.; Colo., 1; Kans., 1)	1920	5	14	50	19		19	32, 800	55, 163	103, 110	102, 053	1,057	263, 908	160, 798
States not shown sepa-	* 1927 * 1910	19 20	155 180	401 504	391 084		391 684	335, 798 243, 863	458, 380 411, 500	057, 241 1, 020, 615	649, 806 1, 015, 173	16, 375 11, 442	1, 986, 808 2, 162, 730	1, 329, 567 1, 130, 115

¹ Not including proprietors and firm members, as follows: For 1929, 43; 1927, 42; 1919, 90. The total numbers of persons angaged—proprietors and firm members, salaried officers and employees, and wage earners—as reported for the industry, are as follows: For 1929, 2,161; 1927, 2,191; 1919, 2,919.

¹ The figures for 1929 refer to sales (shipments or deliveries) by manufacturers. Those for earlier years represent production. See General Explanations—Value of Production.

Products.

Note: A value of products less cost of materials, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State Items for 1019 but not in the United States.

Data for purchased power other than electric (power transmitted into the plant by belt or shaft) are included in the State Items for 1019 but not in the United States.

totals.

California, 3 establishments; Colorado, 1; District of Columbia, 1; Georgia, 1; Indiana, 1; Michigan, 2; Minnesota, 3; Missouri, 4; Tennessee, 1; Texas, 1; Wisconsin, 1.

California, 2 establishments; Colorado, 1; Connecticut, 1; District of Columbia, 1; Georgia, 1; Indiana, 1; Louisiana, 1; Michigan, 1; Minnesota, 1; Missouri, 6; Rhode
Island, 1; Tennessee, 1; Wisconsin, 2.

Table 3.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	18	129	19	27	19	25	1919		1914		PER CENT BUTION O HORSEI CAPA	F RATED POWER
	Num- ber	Capac- ity	Num- bor	Capae- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	Num- ber	Capac- ity	1929	1919
Prime movers and electric motors driven by purchased energy, aggregate	405	Horse- power 1, 105	392	Horse- power 1,015	351	Horse- power 1,068	370	Horse- power 1, 321	193	Horse- power 655	100.0	100.0
Prime movers, total	5	359	5	374	8	439	6	313	8	270	32. 5	23.7
Steam engines	3 1 1	310 3 46	3 1 1	325 3 46	3 4 1	350 43 40	2 4	260 53	3 5	06 204	28, 1 0, 2 4, 2	19. 7 4, 0
Electric motors driven by purchased energy	460	740	387	611	343	629	364	1, 008	185	385	67. 5	76. 3
Electric motors, total	561	1, 147	443	872	408	907	418	1, 202	236	573	100.0	100.0
Driven by purchased energy Driven by energy generated in establishments re-	460	746	387	641	343	629	364	1,008	185	385	65.0	83. 9
porting	101	401	. 56	231	65	278	54	194	- 51	188	35.0	16.1
Electric generators	2	Kilo- watts 135	2	Kilo- watts 135	2	Kilo- watts 141	(1)	(1)	(1)	(1)		
Electric energy purchased ?		Kilowatt- hours 707, 778		(3)		(3)		(1)		(1)		

# TABLE 4.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, AND 1914, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	A verage number		NUMBER EMPLOYED ON 18TH DAY OF MONTH OR NEAREST REPRESENTATIVE DAY												
STATE	employed during year	January	February	March	April	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	mini- mum is of maxi- mum	
United States: 1929 1925 1919 1914	1, 757 1, 992 2, 223 2, 010	1,628 1,907 2,081 1,971	1, 657 1, 939 2, 128 2, 007	1, 647 1, 958 2, 118 2, 086	1, 684 2, 053 2, 163 2, 128	1,746 2,005 2,223 2,121	1, 779 2, 090 2, 260 2, 100	1, 771 2, 014 2, 251 1, 997	1, 700 1, 962 2, 250 1, 916	1, 877 1, 944 2, 202 1, 928	1, 921 2, 010 2, 285 2, 005	1, 862 1, 983 2, 358 1, 943	1, 712 1, 945 2, 348 1, 918	84. 5 01. 0 88. 3 90. 0	
Illinois	09 48 79 47 288 720 54	92 47 78 48 255 660 54	95 47 77 51 263 672 54	96 47 79 47 264 668 53	99 47 81 46 267 682 56	105 47 85 46 272 707 57	100 48 84 50 298 709 57	114 49 82 51 204 707 52	110 49 80 47 311 718 51	100 48 79 47 333 768 51	93 50 78 49 339 803 55	90 50 77 49 301 709 51	88 49 76 48 257 742 61	77. 2 94. 0 89. 4 84. 3 75. 2 82. 2 80. 5	

Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.

### SILK AND RAYON MANUFACTURES

Description of the industry.—This industry embraces two classes of establishments: (1) Those engaged primarily in the manufacture of silk and rayon fabrics and other finished silk and rayon products, not including knit fabrics, hosiery, and other knit goods made of silk and rayon, which are treated as a part of the "Knit goods" industry and covered by a separate report; (2) those engaged primarily in the manufacture of silk yarn (known technically as organzine, tram, and hard or crepe twist), spun silk, and rayon yarn (thrown, twisted, or otherwise changed into different forms from those in which purchased) and in the dressing of warps. (Organzine and tram, which

when used in weaving constitute, respectively, the warp and the filling of silk fabrics, are made from raw silk by the process of "throwing." Hard or crêpe twist is yarn to which an extra twist has been given. Spun silk is produced by spinning the short-fibered silk from pierced cocoons or from waste silk which can not be thrown by the usual method.) The greater part of the work performed by throwsters and by warpers is done on contract.

Separate statistics for the two branches of the industry are given in Tables 4, 7, and 8, but in the other tables the industry is treated as a whole.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1929

[Data for establishments with products under \$5,000 in value included for 1919 and prior years but not for 1921 and subsequent years. See General Explanations— Establishments Covered—Size]

YEAR OR PERIOD	Number of establishments	Wago earners (average for the year)	Wages	Pald for contract work	Cost of materials, containers for products, fuel, and purchased electric energy	Value of products ¹	Value added by manufacture ²	Horsepower
1929 1927 1925 1928 1923 1921 1919 1914 1909 1904 1890	1, 659 1, 508 1, 565 1, 369 902 852	130, 467 127, 643 132, 509 125, 234 121, 378 120, 782 108, 170 99, 037 79, 601 65, 416	\$137, 547, 140 140, 053, 588 142, 733, 530 120, 840, 644 113, 305, 026 108, 226, 330 47, 108, 400 38, 570, 085 26, 707, 943 20, 982, 104	\$30, 709, 052 38, 270, 040 41, 564, 435 30, 340, 600 30, 682, 395 43, 144, 201 14, 560, 762 12, 003, 744 6, 869, 586 6, 570, 299	\$412, 181, 200 445, 390, 678 484, 122, 527 479, 038, 203 337, 558, 700 388, 400, 022 144, 442, 321 107, 706, 910 75, 861, 188 62, 400, 005	\$731, 200, 231 750, 123, 705 808, 079, 309 701, 322, 119 583, 418, 756 688, 409, 523 254, 011, 257 100, 911, 607 133, 288, 072 107, 256, 258	\$319, 018, 971 304, 733, 029 324, 856, 872 282, 283, 856 245, 869, 957 300, 000, 501 109, 568, 936 80, 114, 751 57, 420, 884 44, 849, 503	220, 225 221, 240 212, 609 200, 020 (3) 173, 748 111, 417 92, 073 67, 021 53, 565
				PER CENT OF INC	REASE OR DECREASE	(-)		and the State of Community of the Community of the Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Community of Commun
1927-1929 1925-1927 1923-1925 1921-1928 1919-1921	-9.5 -0.7 3.8 2.1 14.3	2. 2 -3. 7 5. 8 3. 2 -4. 3	-1.8 -1.9 12.5 11.9 4.8	-3.9 -7.0 37.0 -1.1 -28.9	-7.5 -8.0 1.1 41.9 -13.1	-2.5 -7.3 6.3 30.5 -15.3	4. 7 6. 2 15. 1 14. 8 18. 0	-0.5 4.1 3.2
1919-1929, 1909-1919 1899-1909.	8, 9 60, 7 76, 4	2, 9 28, 0 51, 4	27. 1 180. 6 83. 8	-14.7 250.3 82.8	8. 1 260. 5 72. 7	6. 2 249. 6 83. 6	6. 3 236. 5 98. 8	26. 7 88. 7 71. 9

¹ The figures for all census years refer to production, not sales. See General Explanations—Value of Products.
² Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.
³ Not called for on schedule.

## Table 2.—GENERAL STATISTICS, BY STATES: 1929, 1927, AND 1919

[This table presents statistics separately for each State for which figures can be given without disclosing data for individual establishments. Certain of the "Other States," however, were more important in the industry than some of the States shown separately. Data for establishments with products under \$5,000 in value are included for 1919 but not for subsequent years. See General Explanations—Establishments Covered—Size]

		Num- ber of	Sala- ried offi-	Wage earners	HORSEPO CAPACI EQUIP	TY) OF I				Paid for		IATERIALS, PRODUCTS, FO D ELECTRIC	UEL, AND	Value of	Value added by
STATE	sus year	estab- lish- ments	em- ploy- ees 1	(aver- age for the year)		Prime movers	Motors run by pur- chased energy	Salaries	Wages	contract work	Total		Fuel and purchased energy	products?	manufac- ture
United States.	1929 1927 1919	1,491 1,648 1,369	7, 851 8, 415 8, 982	130, 467 127, 643 126, 782	220, 225 221, 249 4 173,748	67, 093 77, 139 98, 514	153, 132 144, 110 4 75, 234	Dollars 23, 093, 437 21, 920, 553 26, 370, 962	Dollars 137, 547, 146 140, 053, 588 108, 226, 330	Dollars 36, 700, 952 38, 276, 049 43, 146, 201	Dollars 412, 141, 260 445, 390, 676 388, 469, 022	Dollars 403, 684, 701 436, 192, 406 382, 267, 575	Dollars 8, 490, 559 9, 198, 270 6, 201, 447	750, 123, 705 688, 469, 523	304, 733, 029 300, 000, 501
Connecticut	1929 1927 1919	38 35 41	686 762 899	10, 501 9, 183 11, 254	16, 165 17, 842 18, 357	6, 851 8, 856 12, 046	9, 314 9, 186 6, 311	2, 503, 836 2, 437, 179 3, 233, 606	12, 845, 892 11, 400, 520 11, 523, 047	1, 265, 495 1, 011, 586 1, 144, 105	27, 745, 170 25, 416, 600 37, 525, 869	27, 050, 300 24, 767, 006 36, 641, 924	694, 870 649, 698 883, 945	54, 208, 469 47, 498, 321 68, 053, 420	26, 553, 200 22, 081, 622 80, 527, 560
Maryland	1929 1927 1919	6 7 6	34 43 28	869 935 839	808 1,408 1,505	535	808 1,408 970	71, 515 71, 923 78, 357	602, 253 716, 147 456, 115	40, 761 5, 544	413, 124 690, 503 707, 801	349, 020 620, 302 665, 294	64, 104 70, 201 42, 507	1, 514, 726 1, 808, 890 1, 534, 218	1, 101, 602 1, 178, 387 826, 417
Mossachusetts	1929 1927 1919	42 33 21	385 443 430	7, 390 7, 357 5, 697	18, 341 20, 111 9, 811	5, 032 5, 243 4, 878	13, 309 14, 868 4, 933	1, 174, 731 1, 136, 763 1, 135, 502	7, 105, 466 7, 615, 872 5, 039, 601	3, 838, 219 3, 201, 685 1, 370, 674	20, 059, 668 23, 218, 826 19, 243, 483	20, 513, 886 22, 753, 327 19, 000, 721	445, 782 405, 499 242, 702	37, 412, 704 38, 220, 144 34, 103, 951	16, 453, 036 15, 001, 318 14, 950, 468
New Jersey	1029 1027 1019	631 819 686	1, 581 2, 174 2, 445	21, 419 24, 482 32, 326	26, 910 81, 796 29, 095	7, 525 8, 804 18, 696	19, 385 22, 992 15, 399	5, 144, 892 6, 076, 760 7, 546, 845	28, 099, 752 33, 476, 420 32, 832, 211	3, 331, 128 8, 626, 473 17, 988, 470	68, 892, 921 88, 678, 434 123, 441, 248	07, 637, 973 87, 055, 976 122, 356, 778	1, 622, 458	126, 307, 508 163, 967, 960 215, 950, 560	57, 414, 677 75, 288, 626 01, 600, 312
New York	1929 1927 1919		894 1, 096 1, 211	11, 204	22, 537 24, 626 25, 232	4, 728 5, 392 10, 964	17, 809 19, 234 14, 268	2, 433, 240 2, 764, 776 3, 364, 125	11, 620, 501 13, 128, 885 11, 757, 847	7, 313, 776 6, 326, 728 4, 980, 390	56, 167, 321 65, 036, 467 46, 390, 750	55, 363, 077 68, 716, 646 45, 667, 918	804, 244 1, 319, 821 722, 832	90, 238, 425 100, 447, 466 81, 682, 572	34, 071, 104 35, 410, 990 35, 291, 822
North Carolina	1929	18	162	2, 922	3, 540	1,000	2, 540	466, 041	2, 802, 730		10, 935, 209	10, 709, 142	136, 127	18, 587, 608	7, 652, 330
Pennsylvania	1929 1927 1919	490	3, 191 3, 091 3, 384	59, 608	102, 385 99, 269 73, 826	30, 249 35, 241 42, 985	72, 136 64, 028 30, 841	8, 456, 116 7, 279, 056 9, 271, 578	59, 013, 179 57, 661, 075 38, 129, 477	10, 087, 943 17, 166, 597 15, 608, 271	173, 601, 077 180, 117, 809 126, 287, 243	160, 372, 590 175, 855, 397 123, 628, 779	4, 228, 487 4, 262, 502 2, 063, 464	320, 935, 551 306, 524, 928 231, 711, 352	147, 334, 474 128, 406, 129 105, 424, 100
Rhode Island	- 1929 1927 1019	31	376 270 185	6,500	14, 589 12, 856 7, 224	6, 400 7, 500 5, 090	8, 189 5, 356 2, 134	1, 261, 408 791, 384 602, 231	8, 558, 192 7, 853, 236 4, 100, 940	132, 556 247, 835 1, 170, 794	20, 762, 238 20, 698, 146 16, 814, 873	20, 389, 894 20, 347, 312 16, 532, 722	372, 344 350, 834 282, 151	35, 638, 421 32, 511, 106 27, 210, 238	14, 876, 183 11, 812, 960 10, 404, 365
Tennessee	1029	) (	34	667	850		850	69, 982	321, 142		521, 087	491, 726	29, 361	1, 187, 332	666, 245
Virginia	1929 1927 1919	f i 14	L 64	1, 525	3, 568 2, 764 1, 811	650 583 1, 335	2, 918 2, 181 476	300, 509 164, 574 93, 024	1, 695, 460 1, 258, 980 367, 354	498, 441	5, 372, 832 4, 339, 308 008, 737	5, 209, 577 4, 205, 239 577, 200	163, 255 134, 069 31, 447	9, 700, 864 8, 208, 630 1, 550, 712	4, 328, 032 3, 869, 322 041, 975
Other States	\$ 102 6 192 7 191	7 38	3 472	5, 056 6, 849 5, 461		5, 720	5, 874 4, 857 2, 979	1, 198, 138	4, 882, 579 6, 942, 447 3, 959, 738	1, 155, 943	37, 194, 304	26, 507, 516 36, 871, 201 17, 201, 140	323, 193	35, 378, 533 50, 878, 060 27, 473, 491	8, 507, 080 13, 083, 666 10, 024, 473

¹ Not including proprietors and firm members. The total numbers of persons engaged and the numbers of proprietors and firm members, as reported for this industry are as follows: For 1929, total, 139,039; proprietors and firm members, 721. For 1927, total, 136,078; proprietors and firm members, 920. For 1919, total, 136,776; proprietors and firm members, 1,011.

1 The figures for all census years refer to production, not sales. See General Explanations—Value of Products.

3 Value of products less cost of materials, containers for products, fuel, and purchased electric energy. See General Explanations—Value Added by Manufacture.

4 Data for purchased power other than electric (power transmitted into the plant by beit or shaft) are included in the State items for 1919 but not in the United States totals.

¹ Data for purchased power other than december (power statements) and the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power other than the purchased power oth

#### TABLE 3.-PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1929

[The figures refer to production, not to sales. See General Explanations—Value of Products. Figures are given for each State which can be shown separately withou disclosing data for individual establishments. Certain of the "Other States," however, reported larger production than some of the States shown separately]

PRODUCT AND STATE	Qua	ntity	Value	PRODUCT AND STATE	Qua	ntity	Value
Silk and rayon industry, all products,	Pounds	Square yards	\$781, 200, 231	Silk and rayon products—Continued. Velvets, total.	Pounds 3, 003, 377	Square yards 9, 650, 631	\$25, 112, 3
Silk and rayon products, including			797 500 000	All-silk Silk-and-rayon-mixed Silk-and-cotton-mixed Other mixtures	00, 047 1, 114, 604 819, 058 977, 808	321, 561 3, 823, 011 2, 204, 359 3, 301, 700	976, 0 12, 886, 6 4, 802, 6 6, 387, 0
Other products (not normally belonging to the industry)			3, 607, 366	Plushos	1, 763, 149	1, 950, 654	3, 829, 7
woven fabrics made in cotton mills.			10, 165, 940	Upholsteries (except velvets and plushes), total	899, 463	2, 800, 041	5, 206, (
k and rayon products; Aggregate value (sum of 2 and 4).			737, 758, 805	All-silk All-rayon and silk-and-rayon-	66, 893 177, 817	521, 650 886, 250	951, 1, 340,
Broad goods (except velvets, plushes, upholsteries, and tapestries), total	81, 523, 379	507, 113, 792	488, 208, 106	All-silk All-rayon and silk-and-rayon- mixed Silk-and-cotton-mixed and rayon- and-cotton-mixed. Other	331, 873 122, 880	1, 171, 030 200, 102	2, 207, 707,
				Tapestries	240, 702	534, 002	915,
Connecticut. Massachusetts. New Jorsey. New York. North Carolina.	2, 850, 815 3, 563, 657 13, 968, 656 5, 788, 502 3, 080, 753 32, 561, 470 5, 585, 310	22, 206, 287 28, 573, 144 108, 855, 734 51, 770, 137 18, 457, 817 252, 306, 420 42, 413, 838 10, 256, 302 62, 274, 113	18, 570, 094 22, 042, 570 02, 431, 542 45, 836, 836 13, 421, 013 231, 875, 323 23, 340, 992 7, 402, 302 32, 380, 888	Threads and yarns, for sale— Silk—	,		r.
North Carolina Pennsylvania Rhode Island Virginia Other States	32, 501, 470 5, 585, 310	252, 306, 420 42, 413, 838	231, 875, 323 23, 340, 992	Organzine, tram, and crepe twist, total		***********	69, 740,
	13, 238, 000	1	1 .	New York Pennsylvania Other States (Conn., Ill., Mass., Mich., N. J., N. O., R. I., Tenn., Va.) Spun silk	3, 732, 123 3, 608, 117		21, 888, 22, 956,
All-silk, total		424, 607, 181 22, 200, 287 23, 325, 371	385, 773, 207 18, 570, 691	N. C., R. I., Tenn., Va.)	4, 780, 782		24, 895, 12, 915,
Massachusetts New Jersey New York	2, 530, 522 9, 157, 410 4, 054, 842	23, 325, 371 85, 707, 637 44, 170, 689	18, 570, 604 21, 627, 950 71, 321, 775 41, 828, 672 7, 902, 090	Machine twist, total			1
Connecticut Massachusetts New Jersey New York North Carolina Ponnsylvania Rhode Island Virdula	857, 163 22, 347, 274 2, 540, 388 800, 028	n' 200' 0a9	7, 902, 090 193, 036, 202 16, 510, 972	Connecticut. Other States (Mass.,	341, 344	***********	1
Virginia. Other States (Ala., Del., Me., Mich., N. H., Ohio, S. C., Tenn.)	800, 028	9, 610, 113	7, 028, 200	Connecticut. Other States (Mass., Mich., N. Y., Pa.) Sewing thread. Embroidery and other floss	173, 767 237, 970		1
		8, 424, 676	7, 940, 553	Rayon 2	VO, 747		1
All-rayon, total	DESCRIPTION OF THE PROPERTY OF THE PARTY OF	66, 024, 378 5, 247, 773	1, 314, 020	Sawing, ombroidery, and floss rayons	l .		
Massachusetts	1,014,135 1,003,235 420,602 2,223,500 4,210,035 95,183	5, 247, 773 9, 330, 091 1, 764, 241 11, 564, 854 20, 453, 581 640, 189	1, 314, 026 5, 705, 815 003, 270 5, 518, 923 12, 003, 080 374, 003	Now York. Pennsylvania. Other States (Conn., Ill., Mass., N. J., N. C.,	AND AS DESCRIPTION OF THE PARTY NAMED IN COLUMN TWO		f
Virginia Other States (Conn., Me., Mich., N. H., Ohio, R. I.)	3, 279, 574	17, 016, 740	7, 777, 641	Mass., N. J., N. C., R. I.) Other yarns (principally slik-and- rayon-mixed)	1,041,282		
Silk-and-rayon-mixed, total		31,730,493	24, 428, 490	Ribbons, total			7, 199 25, 007
New Jorsey. New York. Pennsylvania. Rhode Island Other States (Conn., Del., Me., Mass., Mich., N. H., N. C., Vu.)	1,520,904 316,538 1,954,437 51,754	8, 207, 580 3, 313, 180 14, 456, 178 284, 851	9, 663, 495 1, 073, 457 10, 878, 711 164, 177	All-slik Slik-and-rayon-mixed Slik-and-cotton-mixed Other			
Me., Mass., Mich., N. H., N. C., Vu.)	730, 530	5, 417, 695	2,048,650	New Jersey, total			7, 300
Silk-and-cotton-mixed, total New Jorsey New York	434, 030		17, 781, 357 1, 809, 413 403, 216	All-silk Silk-and-rayon-mixed Silk-and-cotton-mixed Other			1, 843 1, 814 3, 217 932
Ponnsylvania Rhodo Islaud Other States (Conn., Mass., Mich., N. H., Va.)	1, 865, 133	9, 329, 220 11, 495, 861	6,707,463 4,840,295	Pennsylvania, total			13,761
Mich., N. H., Vu.)	4	4, 326, 223 37, 240, 087	16, 616, 667	All-silk Silk-and-rayou-mixed Silk-and-cotton-mixed Other			6, 786 2, 877 2, 212
New Jersey New York				D .			-, 412
Pennsylvania. Rhode Island Other States (Conn., Me., Mass., N. H., N. C., S. C.,	1.497.642	4, 812, 704 5, 964, 134	2, 505, 536 147, 550 3, 325, 790 2, 825, 548	Md., Mass., N. Y., W. Va.), total			8, 940
Mass., N. H., N. C., S. C.,	5, 268, 163	23, 860, 051	8, 222, 243	All-silk Silk-and-rayon-mixed Silk-and-cotton-mixed Other			715 1, 373 878 978
Other mixed goods, total		_	8, 870, 088	Fringes and gimps, total			1
New Jersey New York Pennsylvania Other States (Ala., Conn., Me., Mass., R. I., Va.)	200, 873 172, 374 686, 949 1, 637, 688			All-rayonSilk-and-cotton-mixedRayon-and-cotton-mixed		************	550 493 6, 445

¹ Not including production in cotton mills.
2 The figures for this item refer to rayon yarns thrown, twisted, or otherwise changed into different forms from those in which they left the plants in which they were manufactured. (See "Description of the industry," page 337.) For production of rayon yarns, see "Rayon and allied products" report, pages 729 and 730.

TABLE 3.-PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1929-Continued

[See note at head of this table]

PRODUCT AND STATE	Value	PRODUCT AND STATE	Value
Silk and rayon products—Continued. Braids, total	\$4, 387, 644	Silk and rayon products—Continued.  Woven labels, total	\$4, 646, 590
All-rayon Rayon-and-cotton-mixed Other New York, total.	1,463,880 2,055,965 807,790 2,820,007	All-silk Silk-and-rayon-mixed Silk-and-cotton-mixed Other	467, 993 955, 422 2, 882, 311 340, 864
All-rayon	1, 072, 678 1, 201, 546 545, 783	Silk warps, for sale  Other silk and rayon products, value 1  Amount received for contract work, total	1, 582, 974 7, 928, 748 57, 273, 880
Other States (Ala., Calif., Conn., Ill., Me., Mass., N. J., Pa., Va.), total  All-rayon. Rayon-and-cotton-mixed. Other.  Bindings, total	822, 007	Connecticut Massachusetts New Jersey New York North Carolina Pennsylvania Rhodo Island Virginia	702, 402 1, 280, 279 10, 352, 074 3, 852, 606 520, 437 34, 684, 521 2, 298, 336 1, 018, 427
Silk-and-cotton-mixedOther	275, 425 199, 452	Other States (Ala., Ga., Il., Ind., Md., Tonn., W. Va.)	2, 405, 70

¹ Tassels, cords, trimmings, and miscellaneous silk and rayon products.

## TABLE 4.—PRODUCTS, BY CLASS, QUANTITY, AND VALUE, BY CHARACTER OF ESTABLISHMENT, FOR THE UNITED STATES: 1929 AND 1927

[This table presents statistics for establishments classified in the "Silk and rayon manufactures" industry only. The figures for both years refer to production, not sales, See General Explanations—Value of Products]

					,	
		1929			1927	
CLASS	11	Establishments rily	engaged prima- in—		Establishments rily i	engaged prima- n—
CENSON CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE	Total for the industry	Manufacturing finished silk and rayon products	Throwing, winding, spinning, or warping	Total for the industry	Manufacturing finished silk and rayon products	Throwing, winding, spinning, or warping
Aggregate value	\$731, 200, 231	\$610, 860, 501	\$120, 889, 730	\$750, 123, 705	\$629, 405, 849	\$120, 717, 85
Thrown silk: Total pounds Total value	12, 121, 022 \$69, 740, 353	1, 898, 901 \$11, 559, 235	10, 222, 121 \$58, 181, 118	11, 408, 721 \$70, 247, 417	1, 806, 565 \$10, 606, 178	9, 602, 150 \$59, 641, 23
Organzine— Pounds Value	\$4, 430, 916	4, 904 \$27, 481	693, 448 \$4, 403, 435	1, 223, 528 \$7, 851, 853	293, 176 \$2, 056, 749	930, 35 \$5, 795, 10
PoundsValue	8, 550, 147 \$47, 023, 474	1,710,349 \$10,323,432	6, 845, 798 \$36, 700, 042	7, 702, 000 \$46, 293, 24d	1, 133, 384 \$6, 188, 610	6, 568, 71 \$40, 104, 63
Crêpe twist— Pounds Value		183, 648 \$1, 208, 322	2, 682, 875 \$17, 077, 641	2, 483, 094 \$16, 102, 318	380, 005 \$2, 360, 810	2, 103, 08 \$13, 741, 49
Spun silk: Pounds Value	3, 769, 133 \$12, 915, 545	856, 425 \$3, 279, 806	2, 912, 708 \$9, 635, 739	4, 455, 990 \$15, 690, 105	1, 262, 705 \$4, 725, 823	3, 193, 28 \$10, 970, 3
Machine twist, and sewing, embroidery, and other floss silk and rayon: Pounds	.1 : \$10, 465, 128	2, 017, 339 \$8, 846, 595	785, 413 \$1, 618, 533	1, 382, 179 \$12, 242, 259	1, 352, 042 \$11, 904, 843	30, 13 \$277, 41
Other rayon yarns; Pounds. Value.	2, 567, 795 \$4, 381, 900	324, 562 \$707, 674	2, 243, 233 \$3, 674, 226	(1)	(1)	(1) (1)
Other products (mainly broad goods),2 value	\$576, 423, 425	\$565, 699, 917	\$10, 723, 508	\$603, 372, 287	\$584, 619, 412	\$18, 752, 8
Amount received for contract work	1	\$20, 767, 274	\$36, 500, 600	\$48, 565, 577	\$17, 480, 593	\$31, 075, 0
Raw silk thrown on commission, total pounds	36, 456, 492	1, 195, 086	35, 261, 400	27, 963, 571	720, 374	27, 243, 1
Organzine. Tram Crēpe twist.	4 949 109	186, 254 259, 458 749, 374	4, 675, 939 14, 650, 520 15, 934, 947	3, 825, 702 9, 751, 583 14, 386, 286	262, 085 73, 695 384, 594	3, 563, 6 0, 677, 8 14, 001, 6
Rayon thrown on commission, total pounds	6, 486, 403	90, 079	6, 396, 324	(1)	(1)	. (1)

¹ No data.

## TABLE 5.—PRINCIPAL MATERIALS CONSUMED IN THE SILK AND RAYON INDUSTRY, BY COST, 1929, AND BY QUANTITY, 1929, 1927, 1925, AND 1919, BY STATES

[This table presents statistics for all States for which separate figures can be given without disclosing data reported by individual establishments. In the consumption of certain classes of materials, however, some of the "Other States" outranked some of those shown separately. The difference between the sum of the costs of the several kinds of materials shown in this table and the total cost of materials as given in Tables 1 and 2 is due to the fact that this table covers only certain specified materials, whereas the others cover all materials. See "Raw fibers consumed in textile mills" and "Purchased yarns consumed in textile mills," pp. 222 and 223, respectively]

		<del></del>									
MATERIAL AND STATE	COST		QUANTITY	(POUNDS)		MATERIAL AND STATE	cost		QUANTILY	(POUNDS)	
	1929	1929	1927	1925	1919	MATERIAL AND STATE	1929	1920	1927	1025	1919
Raw silk, total				35, 187, 590	25, 890, 728	Rayon, total	\$44, 937, 707	32, 551, 605	23, 158, 452	15, 728, 202	3, 039, 257
Connecticut Massachusetts Naw Jersey Now York Pennsylvania Rhode Island Virginia Other States (1020: Ala., Calif., Del., Ill., Mc., Md., Mich., N. H., N. C., Ohio, S. C., Tenn.)	14, 745, 604 13, 040, 708 42, 802, 200 40, 418, 080 117, 539, 653 10, 076, 312 3, 111, 356	2, 305, 669 743, 237	241, 417	2, 245, 157 1, 319, 238 7, 474, 709 5, 400, 592 13, 309, 918 1, 385, 317 145, 211 3, 815, 358	808, 948 (¹)	Connecticut.  Massachusetts. Now Jersey. New York. North Carolina. Pennsylvania. Rhode Island. Other States (1929: Ala, Calif., Del., Ill., Mc., Md., Mich., Minn., N. H., Olio, Oreg., S. C., Vn., W. Vn.).	5, 071, 095 1, 959, 648 6, 254, 974 4, 676, 947 5, 361, 689 14, 458, 024 4, 036, 702	1, 677, 585 4, 560, 868 4, 163, 109 3, 606, 145 9, 208, 458 3, 514, 021	729, 272 216, 550 3, 746, 717 5, 274, 085 (1) 9, 170, 740 513, 827	939, 858 165, 630 3, 854, 446 4, 272, 399 (1) 4, 844, 131 213, 144	202, 879 64, 183 555, 728 1, 510, 909 (1) 481, 273 (1)
Organzine, trum, and hard and erepe twist, total	48, 475, 089		20, 326, 137	,	6, 125, 400	Cotton yarns, total			! ' '		17, 958, 012
Connecticut Massachusetts New Jorsey Now York Ponnsylvania Rhode Island Virginia Other States (1020; Callf., Ill., Me., Md., Minn., N. H., N. C., Ohto)	2, 459, 683 1, 544, 240 13, 570, 398 3, 367, 659 21, 048, 409 2, 000, 120 1, 748, 984	305, 715 358, 188 2, 527, 167 667, 360	489, 890 816, 475 5, 480, 859 1, 715, 600 10, 013, 906 848, 156 256, 815	1, 609, 126 110, 439 5, 453, 186 2, 350, 540 8, 285, 785 717, 008 237, 971	240, 420 42, 143 3, 504, 601 718, 018 1, 425, 462 (1) (1)	Connectiont  Massachusetts  Now Jorsey  Now York  Ponnsylvania  Rhodo Island  Other States (1929: Ala., Calif., ili., Mo., Md., Mich., N. C., N. If., Orog., S. O., Vu., W. Va.)	1,398,558	1.105 196	2, 395, 668 1, 428, 089 2, 635, 827 1, 670, 406 5, 833, 232 1, 472, 709	2, 056, 446 1, 340, 680 2, 631, 837 1, 516, 421 5, 114, 528 1, 508, 745	4, 581, 857 1, 520, 080 2, 638, 178 2, 597, 180 4, 438, 514 710, 190
Spun silk, total	3, 918, 537	1, 158, 224	3, 856, 715	4, 507, 454	4, 767, 670	Other yarns, total	1	1	1 ' '	1	1, 081, 124
Connecticut. Massachusetts New Jersey. New York. Pennsylvania. Rhode Island. Other States (1929: Calif., Mich.)	943, 999 327, 729 530, 298 39, 696 1, 267, 251 764, 068	208, 951 155, 621 178, 608 11, 920 333, 831 255, 352	424, 683 113, 854 204, 973 37, 627 1, 425, 547 1, 416, 795	1, 036, 544 98, 443 353, 908 210, 421 1, 789, 878 833, 670 274, 500	1, 600, 472 (1) 724, 068 505, 239 1, 118, 958 521, 040 201, 852	Massachusetts New Jersey New York Pennsylvania Other States (1929: Calif., Conn., Ill., Minn., R. I., Va.).	05, 103 468, 950 1, 185, 833 1, 707, 151 202, 493	37, 367 157, 847 763, 470 1, 100, 332 67, 988	152, 505 180, 272 341, 325 1, 122, 880 2, 178, 723	(1) 369, 321 447, 462 1, 320, 989 702, 268	(1) 182, 531 212, 529 543, 569 742, 405
Plerged cocoons, noils, and other waste	7, 628, 687	8, 827, 122	7, 400, 109	(²)	(²)				• .		

¹ Included in figure for "Other States" to avoid disclosing the data reported by individual establishments, ² Not called for on schedule.

### TABLE 6.—RAW SILK AND RAYON THROWN ON COMMISSION—QUANTITY, BY CLASS, BY STATES: 1919 TO 1929

[This table presents statistics for all States for which separate figures can be given without disclosing data reported by individual establishments. In the cases of certain classes of products, however, some of the "Other States" outranked some of those shown separately]

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon											
	lt	AW BILK TH	ROWN (POUR	(DS)	Thomas		RA	W HILK THR	OWN (POUNI	)S)	
STATE	Total	Into organzine	Into tram	Into hard or craps twist	Rayon thrown (pounds)	STATIC	Total	Into organzine	Into tram	Into hard or crops twist	Rayon thrown (pounds)
United States: 1929 1927 1925 1923 1921 1919 New Jersey: 1929 1925 1925 1921 1921 1910 New York: 1920 1927 1928 1921 1910	27, 063, 671 20, 401, 650 21, 587, 070 21, 190, 254 18, 475, 714 2, 390, 040 2, 135, 240 1, 632, 605 2, 404, 970 2, 160, 595 2, 252, 631 3, 348, 647	4, 862, 193 3, 825, 702 4, 332, 805 4, 326, 830 6, 286, 728 400, 878 383, 768 431, 121 390, 757 428, 740 603, 900 674, 034 688, 904 627, 428	14, 900, 978 9, 751, 583 10, 125, 132 10, 265, 884 10, 030, 780 7, 303, 872 609, 583 436, 272 402, 482 911, 027 1, 905, 534 1, 033, 788 1, 832, 802 964, 914 958, 908	16, 684, 321 14, 384, 326 11, 943, 326 6, 905, 250 4, 536, 673 4, 795, 114 1, 370, 570 1, 316, 200 709, 002 1, 153, 586 036, 321 494, 943 841, 811 325, 206 291, 247	933	New York—Contd.  1923 1921 1910 Pennsylvania: 1929 1927 1928 1921 1910 Other States: 1929 1927 1928 1921 1929 1927 1928 1921 1929 1927 1928 1921 1938	2, 063, 933 2, 400, 786 2, 080, 124 20, 707, 761 20, 255, 739 14, 835, 941 14, 321, 870 12, 400, 711 4, 010, 044 2, 848, 602 2, 23, 164, 003 2, 314, 003 1, 733, 248	554, 002 1, 279, 850 1, 142, 982 3, 540, 495 2, 386, 884 2, 723, 767 2, 915, 940 4, 198, 470 4, 177, 665 228, 786 300, 140 46, 499 467, 131 424, 717 272, 101	1, 335, 812 1, 004, 618 750, 346 10, 108, 099 6, 024, 674 7, 456, 908 7, 013, 950 0, 203, 960 4, 403, 723 2, 359, 404 1, 425, 723 1, 217, 584 1, 004, 405 1, 726, 677 1, 077, 015	174, 110 116, 309 177, 796 13, 050, 167 11, 080, 018 10, 075, 014 4, 006, 045 3, 919, 404 3, 738, 333 1, 421, 764 1, 056, 703 868, 450 701, 506 164, 000 384, 042	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)

¹ No data. ² Included in figure for "Other States" to avoid disclosing data reported by individual establishments.

TABLE 7.—SILK SPINDLES, ACTIVE—NUMBER, BY CLASS, BY STATES: 1929, 1927, AND 1925

[Spindles active some time within the census year]

			active some ti					1	
			electors in the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the	PRODUCING SP	INDLES	Alle Williams		WINDING (RAW BIL	SPINDLES K ONLY)
STATE	Census year	Total	ıl	In plants engag in throwing, w	ed primarily inding, etc.	In other s	ille mills	In plants en- gaged pri- marily in	In other silk
		Spinning and twisting	Spinning only (spun silk)	Spinning and twisting	Spinning only (spun silk)	Spinning and twisting	Spinning only (spun silk)	throwing, winding, etc.	mills
United States	1929 1927 1925	3, 189, 665 2, 793, 437 2, 722, 876	245, 381 195, 952 171, 871	2, 307, 182 2, 062, 852 2, 032, 366	148, 764 108, 120 93, 267	882, 483 730, 585 690, 510	96, 617 87, 832 78, 604	858, 386 719, 009 651, 419	381, 316 355, 200 340, 390
Alabama	1929	288				288			
California	1929 1927 1925	2, 412 6, 404 3, 026				2, 412 6, 404 3, 026			1, 110 2, 656 1, 349
Connecticut	1929 1927 1925	116, 656 123, 647 152, 845	42, 784 37, 216 37, 210	26, 360 34, 188 43, 008	5, 680	90, 296 89, 459 109, 837	37, 104 37, 216 37, 216	4, 150 5, 280 5, 710	29, 105 30, 209 37, 994
Georgia	1929 1927 1925	31, 404 20, 302 10, 948		18, 844 20, 944 10, 948		12, 560 8, 448		2, 652 2, 588 2, 052	1, 500 2, 100
Illinois	1929 1927 1925	37, 900 32, 529 22, 503		37, 900 32, 529 22, 593				ll .	***********
Indiana	1929 1927	6, 200 2, 688		6, 200 2, 688			~~~~~	9, 700 9, 700	
Maine	1929 1927 1925	1, 106 352 1, 034			***************************************	1, 106 352 1, 934			350 650
Maryland	1929 1927 1925	33, 158 33, 768 35, 794		32, 558 32, 558 31, 354		000 1, 200 4, 440		11, 520 11, 320 10, 300	342 684 680
Massachusetts	1029 1027 1025	156, 548 138, 800 127, 964	76, 272 75, 702 66, 419	19, 220 11, 386 10, 192	39, 784 26, 970 25, 031	137, 328 127, 414 117, 772	36, 488 48, 732 41, 388	11, 376 6, 136 6, 882	28, 481 24, 606 22, 820
Michigan	1929 1927 1925	11, 536 16, 500 16, 576				11, 536 16, 500 16, 576			2, 700 5, 800 5, 740
New Hampshire	1929 1927 1925	1,200 600 440	2, 520 2, 520 2, 520	1, 200 600 440	2, 520 2, 520 2, 520				
New Jersey	1029 1927 1925	265, 046 265, 938 300, 167	20, 692 2, 922 2, 922	187, 846 171, 610 189, 729	19, 992 2, 922 2, 922	77, 200 94, 328 110, 438	700	89, 530 59, 851 60, 959	56, 515 80, 442 76, 560
New York	1029 1927 1025	240, 718 243, 234 225, 003	23, 097 25, 044 23, 584	167, 774 151, 996 163, 448	22, 480 23, 184 23, 584	72, 944 91, 238 61, 555	1, 517 1, 800	62, 356 59, 568 56, 230	20, 079 31, 159 23, 712
North Carolina	1929 1927	11,643		4, 643		7, 000		5, 520	4, 900
Pennsylvania	1925 1929 1927 1925	5, 019 2, 138, 674 1, 797, 993 1, 743, 469	24, 904 13, 848	1, 025 1, 720, 565 1, 534, 679 1, 494, 475	4, 150 13, 824	3, 094 418, 109 203, 314	20, 808	550, 473 475, 387	4, 718 184, 197 138, 186 135, 886
Rhode Island	1925 1920 1927 1925	58, 024 38, 208 18, 924	16, 210 23, 152 23, 200 23, 000	H	16, 210 23, 152 23, 200 23, 000	248, 904 48, 904 31, 928 12, 844		421, 096 4, 340 3, 040 1, 440	
South Carolina	1929	10, 824	20,000	0,000	20,000	12, 574		1, 210	1,080
Tennessee	1929 1927 1925	27, 120 9, 864 8, 700		24, 920 9, 864 8, 700		2, 200		12, 484 14, 474 9, 270	1
Virginia	1929 1927 1925	38, 742 44, 330 31, 774	31, 000 15, 500	il	31,000 15,500			21, 272 13, 234 11, 202	
West Virginia	1929 1927 1925	11, 200 9, 200 17, 700		11, 200 9, 200 17, 700				8, 300 7, 520 25, 720	

Table 8.—SILK SPINDLES, IDLE—NUMBER, BY CLASS, BY STATES: 1929, 1927, AND 1925

fs	nindles	idla	throughout	the	consug	voor	1
fro	hrmmo	min	out ouguous	6110	Consus	Anstr	ı

				PRODUCING	SPINDLES			WINDING (RAW SIL	SPINDLES
STATIG		То	tal	In plants of marily in winding, o	ongagod pri- 1 throwing, ote.	In other	silk mills	In plants engaged primarily in	In other
		Spinning and twisting	Spinning only (spiin slik)	Spinning and twist- ing	Splaning only (spun silk)	Spinning and twist- ing	Spinning only (spun silk)	throwing, winding, oto.	silk mills
United States	1929 1927 1925	86, 457 138, 238 105, 377	11, 422 22, 840 27, 047	39, 771 89, 423 78, 738	512 13, 824 27, 935	46, 686 48, 815 26, 639	10, 910 9, 016 12	10, 601 40, 766 54, 026	27, 774 24, 656 17, 950
California	1929	1,310		*****		1, 316			682
Connecticut	1929 1927 1925	5, 440 4, 800 3, 921	240	1, 200	240	4, 240 4, 809 3, 771	***********	770	4, 264 2, 398 2, 660
Georgia	1927	2, 112		100	**********	2, 112			500
Illinois	1920 1927	81		81		: ************************************		5, 945 7, 480 6, 360	**********
Maine	1925 1929 1927 1925	1, 672 3, 228 3, 082 2, 400		1, 648		3, 228 3, 982 2, 400	************	6, 366	418
Maryland	1020	600	*********		******	600	**********		342
Massachusetts	1020 1027 1025	2, 206 4, 238 2, 888	6, 952 9, 810 2, 267	************	272 004 2, 255	2, 206 4, 238 2, 888	6, 680 8, 816 12	60 112	1, 073 988 397
Michigan	1920 1927 1925	204 1, 380 1, 116	**************************************	11 11 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15		204 1, 380 1, 116	4 * * * * * * * * * * * * * * * * * * *		548 2, 040 4, 206
New Jersoy	1929 1927 1925	5, 856 13, 378 11, 822	4, 230 900 990	3, 706 3, 358 6, 342	000	2, 060 10, 020 5, 480	4, 230	590 1, 220 1, 032	1, 275 6, 550 3, 565
New York	1020 1027 1025	10, 654 4, 548 23, 884	12, 040 22, 400	1, 084 20, 740	11, 840 22, 400	10, 654 2, 504 3, 144	200	770 764 6,664	5, 128 1, 328 2, 836
North Carolina.	1020	1, 085	******	1,085				440	*********
Ponnsylvania	1020 1027 1025	54, 563 95, 831 46, 534	2, 290	32, 385 81, 181 43, 718	2, 200	22, 178 14, 650 2, 816	494848484444	0, 794 30, 734 28, 176	13, 702 10, 252 4, 009
Rhode Island	1020 1027 1025	5, 000 5, 000	# # * # # # # # # # # # # # # # # # # #			5, 000 5, 000		200	342 600 90
Tennessee	1929 1925	624	, ** ** ** ** ** ** ** ** ** ** ** ** **	024	*************		********	306 70	
Virginia	1927 1925	2, 500 6, 140		2, 500 6, 140				450 12,618	********
West Virginia	1929 1927	600 400		600 400			.,	720	

TABLE 9.—ACTIVE AND IDLE LOOMS -NUMBER, BY MAJOR CLASSES, BY STATES: 1919 TO 1929

		ACT	IVE SOM	E TIME	WITHIN	THE CEN	SUS YEAI	R			ID	LE THR	ougno	UT THE	CENSUS	3 YEAR		
CLASS	United States	Con- nect- icut	Mas- sachu- setts	New Jersey	New York	Penn- syl- vania	Rhode Island	Vir- ginia		United States	Con- nect- icut	Mas- sachu- setts	New Jersey	New York	Penn- syl- vania	Rhode Island		Other States
Aggregate number:	113, 860	6, 931	6, 612	27, 228	7, 355	46, 775	10, 465	1,754	6, 740	7, 119	170	394	2, 037	575	3, 161	639		143
Automatic (with filling change)	20, 630	1,866	1, 052	5, 027	1,635	7, 248	830	-16	2, 956	887		126	381	111	97	150		22
Nonautomatic (without filling change)	93, 230	5, 065	5, 560	22, 201	5, 720	39, 527	9, 635	1,738	3, 784	6, 232	170	268	1,656	464	3, 064	489		121
1927 1925 1923 * 1919	102, 647	5, 707 5, 688 5, 981 5, 141	5, 300 3, 883 3, 474 3, 218	34, 235 34, 773 32, 324 34, 681	7, 798 8, 359 8, 781 7, 392	47, 720 46, 102 39, 830 37, 482	9, 038 8, 058 7, 806 5, 240	1,304 1,087 1,036 538	3, 717 3, 563 3, 415 2, 746	8, 743 0, 801 14, 302 10, 388	850 1, 124 561 319	431 502 192 185	2,490 3,423 4,842 3,654	732 061 1, 278 1, 331	3, 768 3, 086 6, 740 3, 248	83 136 131 880	111 109 202	278 569 449 470
On broad silks: ³	108, 382	6, 793	6, 576	25, 548	6, 760	44, 062	10, 465	1,754	6, 424	5, 926	166	394	1,420	461	2, 756	639		90
Automatic (with fill- ing change) Nonautomatic (with-	19, 458	1, 866	1, 016	4, 339	1, 552	7, 029	830	16	2, 810	631		126	185	83	86	150		1
out filling change)	88, 924	4, 927	5, 560	21, 209	5, 208	37, 033	0, 635	1,738	3, 614	5, 295	166	268	1, 235	378	2, 670	489	×~***	89
1927 1925 1923 * 1919	108, 308 103, 513 04, 172 87, 215	5, 524 5, 570 5, 759 4, 974	5, 300 3, 883 3, 474 3, 218	31, 875 31, 472 29, 208 30, 683	6, 746 7, 213 7, 058 6, 144	45, 108 42, 935 36, 551 33, 853	9, 038 8, 058 7, 806 5, 240	1,304 1,087 1,036 538	3, 413 3, 295 3, 190 2, 565	6, 403 7, 353 11, 456 7, 890	850 1, 107 522 216	428 502 192 185	1, 503 2, 093 3, 379 2, 837	409 515 1, 092 868	2, 824 2, 467 5, 697 2, 164	83 136 131 880	111 109 202	195 533 334 448
On ribbons:	5, 478	138	36	1, 680	595	2, 713			316	1, 193	4		617	114	405			53
Automatic (with fill- ing change)	1, 172 4, 306	138	36	688 992	83 512	210 2,494			146 170	250 937	4		196 421	28 86	11 304			21 32
1927 1925 1923 2 1919	6, 511 8, 000 8, 475 0, 223	183 118 222 167		2, 360 3, 301 3, 026 3, 998	1, 052 1, 146 1, 723 1, 248	2, 612 3, 167 3, 279 3, 629			304 268 225 181	2, 340 2, 448 2, 846 2, 498	17 30 103	3	987 1,330 1,463 817	323 446 186 463	944 619 1, 043 1, 084			83 36 115 31
			·		<u></u>	<u> </u>	PER CENT	OF INC	REASE C	n decri	Gase (	· `	<u>'</u>	1	<u> </u>		<u>!</u>	<u> </u>
Aggregate number: 1927-1929	-0.8 3.0 2.1 8.6 18.1	21. 4 0. 3 21. 9 -4. 9 34. 8	24. 8 36. 5 70. 3 11. 8 105. 5	-20.5 -1.6 -21.7 7.6 -21.5	-5.7 -6.7 -12.0 -4.8 -0.5	-2.0 3.5 1.5 15.7 24.8	15, 8 12, 2 29, 9 3, 2 90, 7	34. 5 20, 0 61. 4 4. 9 226. 0	4.3	-18.6 -10.8 -27.4 -31.5 -31.5	-80.0 -24.4 -84.9 100.4 -46.7	-8.6 -14.1 -21.5 161.5 113.0	-18. 2 -27. 3 -40. 5 -29. 3 -44. 3	-21, 4 -23, 8 -40, 2 -24, 8 -56, 8	-10. 1 22. 1 2. 4 -54. 2 -2. 7	669. 9 -39. 0 369. 9 3. 8 -27. 4		-48. 6 -51. 1 -74. 9 26. 7 -70. 1
On broad silks: 1927-1929- 1925-1927- 1925-1929- 1023-1925- 1919-1929- On ribbons:	(4) 4. 6 4. 7 9. 9 24. 3	23. 0 -0. 8 22. 0 -3. 3 36. 6	24. 1 36. 5 69. 4 11. 8 104. 4	-19.8 1.3 -18.8 7.4 -16.7	0. 2 -6. 5 -6. 3 2. 2 10. 0	-2.3 5.1 2.6 17.5 30,2	15, 8 12, 2 29, 9 3, 2 99, 7	34, 5 20, 0 61, 4 4, 9 226, 0	95.0	-7.4 -12.9 -19.4 -35.8 -24.9	-80. 5 -23, 2 -85, 0 112. 1 -23. 1	-7. 9 -14. 7 -21. 5 161. 5 113. 0	-5.5 -28.2 -32.2 -38.1 -49.9	12.7 -20.6 -10.5 -52.8 -46.9	-2, 4 14, 5 11, 7 -56, 7 27, 4	669. 9 -39. 0 369. 9 3. 8 -27. 4		-53.8 -63.4 -83.1 50.6 -70.9
1927-1929 1925-1927 1925-1927 1925-1920 1923-1925 1019-1929	-15.9 -18.6 -31.5 -5.6 -40.6	-24. 6 55. 1 16. 9 -46. 8 -17. 4		-28, 8 -28, 5 -49, 1 9, 1 -58, 0	-43.4 -8.2 -48.1 -33.5 -52.3	3. 9 -17. 5 -14. 3 -3. 4 -25. 2			3. 9 13. 4 17. 9 19. 1 74. 6	-49.0 -4.4 -51.3 -14.0 -52.2	( ⁶ ) ( ⁵ ) (-96, 1		-37, 5 -25, 8 -53, 6 -0, 1 -24, 5	-64.7 -27.6 -74.4 139.8 -75.4	-57. 1 52. 5 -34. 6 -40. 7 -62. 6			(8) (5) (6) -68. 7 (8)

With or without Jacquard attachments.
No data for 1921.
Including velvet looms.
Less than one-tenth of 1 per cent.
Per cent not computed where base is less than 100.

Table 10.—LOOMS | AND JACQUARD MACHINES, ACTIVE AND IDLE—NUMBER, BY CLASS, BY STATES: 1929 AND 1927

MACHINERY	UNI: STA:		CONN		MASSA SET		NEW J	ersey	NEW Y	rork	PENN VAN		RHODE		VIRG	LINI.	OTI STA	
агденивы.	1929	1927	1929	1927	1929	1027	1929	1997	1929	1927	1929	1927	1929	1927	1929	1027	1929	1927
		ACTIVE SOME TIME WITHIN THE CENSUS YEAR																
Looms, aggregato	113, 860	114, 819	6, 931	5, 707	6, 612	5, 300	27, 228	34, 235	7, 355	7, 708	46, 775	47,720	10, 465	9, 038	1, 754	1, 304	6, 740	3, 717
Automatic Nonautomatic	20, 630 93, 230	(2) (2)	1,866 5,065	(2) (2)	1, 052 5, 560	(2) (2)	5, 027 22, 201	(2) (2)	1, 635 5, 720	(2) (2)	7, 248 30, 527	(2) (2)	830 9, 635	(2) (3)	1, 738	(2) (2)	2, 956 3, 784	(1) (2)
Other than velvet and ribbon, total	105, 660	106, 225	5, 159	3, 877	6, 476	5, 300	24, 940	31, 692	6, 718	6, 706	43, 780	44, 805	10, 465	9, 038	1, 704	1, 304	6, 424	3, 413
Automatic	10, 102 86, 474	(2) (2)	1,728 3,431	(2) (2)	916 5, 560	(2) (2)	4, 311 20, 629	(2) (3)	1, 552 5, 166	(2) (2)	7, 020 30, 751	(°) (°)	830 9, 635	(a) (a)	1, 688	(2) (2)	2,810 3,614	(2) (2)
Reed space over 40 lnches, total	83, 427	88, 068	4, 632	3, 328	5, 560		10, 391	25, 372	5, 222	4, 965	33, 771	38, 441	8, 590				4, 683	2, 24
Automatie	14, 468 68, 959	(2) (2)	1, 728 2, 904	(2) (2)	696 4, 870	(2) (2)	2,874 16,517	(2) (2)	1, 074 4, 148	(2)	5, 701 28, 070	(2) (2)	394 8, 196	(2) (2)	16 1, 550	( ² ) ( ³ )	1, 985 2, 698	(2) (2)
Reed space 40 inches and under, total.	22, 239	18, 157	527	549	910	063	5,549	6, 320	1, 496	1, 741	10, 000	6, 454	1, 875	1, 083	132	181	1,741	1, 160
Automatic Nonautomatic	4, 724 17, 515	(2) (2)	527	(2) (2)	220 600	(2) (2)	1, 437 4, 112	(2) (2)	479 1, 018	( ⁷ ) ( ² )	1, 328 8, 681	(2) (2)	430 1, 430	(s) (s)	132	(2) (2)	828 916	( ² ) ( ² )
Velvet, total	2, 716	2, 083	1, 634	1, 617	100		608	183	42	40	282	213			50			
Automatic	206 2, 450	(2) (2)	138 1, 490	(2) (2)	100		28 580	(2) (2)	49	( ³ ) ( ² )	282	(?) (2)			50			
Ribbon, total	5, 478	6, 511	138	183	36	and the section of	1,680	2, 360	505	1, 052	2, 713	2, 612				- d	316	30
Automatic	1, 172 4, 300	(2) (2)	138	(2) (2)	36		992 992	(2) (2)	83 512	(2) (1)	219 2, 494	(2) (2)					146 170	
Jacquard machines Braiding machines	7, 774 12, 725	8, 042 23, 677	208 161	264 102	70 t, 181	08 1,411	4, 581 1, 498	3, 901 3, 905	228 4, 643	202 12, 020	2, 214 3, 570	3, 137 4, 216	459	77	10	10	1, 560	10 1, 93
					·		mr and	пвода	пост	ик ск	Naua Y	EAR						
Looms, aggregate	7, 110	8, 743	170	850	394	431	2, 037	2,40	671	7:1:	3, 101	3, 76	63	8		. 111	14	27
AutomaticNonautomatic	887 0, 232	( ² )	170	(2) (2)	120 268	(4) (2)	381 1,650	(3)	111 464		97 3, 06		150 481			(2)	121 121	(3)
Other than velvet and ribbon, total	1		117	520	308	428	1, 396	1	450	1		1	635	8		111	90	19
Automatic	541 5, 210		117	(2) (2)	40 268	(°)	1, 217	(2) (2)	81 371	(1)	2, 660	(2) (2)	150 480	(2)			1 81	(3)
Reed space over 40 inches, total	3, 036	4, 606	94	447	260	412	984	1,00	203	201	1, 685	2, 242	263	6		111	90	-
Automatic	3, 305	(2) (2)	94	(2) (2)	40 220	(2) (2)	108 876	(3)	34 228		1, 625	(2)	26	(2)		(3)	88	(2) (2)
Reed space 40 inches and under, total	2, 11	1,365	23	71.	18	10	412	44	198	140	1,063	537	370	20	)			13
Antomatic Nonautomatic	300 1,817	(2) (2)	23	( ² )	.48	(2) (2)	73 330	(2) (2)	41 144	(2) (2)	28 1, 035	(3) (5)	150 220	(2)				(2) (2)
Velvet, total	. 17/	432	40	324	80		24	5.	0		j	i						
Automatic Nonautomatic	100	(2) (2)	40	(3)	80		20	(2) (2		(2) (2)	16	(2) (2)						
Ribbon, total	1, 193	2,340	4			3	617	98	114	325	400	94				*** 40 T	50	
AutomaticNonautomatic		(s) (s)	4				100 421		25 80	(2)	11 394	(2) (2)					32	(3)
Jacquard machinesBraiding machines	1, 498 5, 033	1, 436 (3)	04 129		70 525		517 330	55: (3)	1, 817	227 (3)	663 118	535 (*)		(4)	200	(3)	1, 013	(3)

^{*} With or without Jacquard attachments,

² Not reported separately.

⁸ No data.

Table 11.—PRIME MOVERS, MOTORS, GENERATORS, AND CONSUMPTION OF PURCHASED ELECTRIC ENERGY—NUMBER AND RATED CAPACITY OF PRIME MOVERS AND ELECTRIC MOTORS, 1929, 1927, 1925, 1919, AND 1914, AND OF GENERATORS, 1929, 1927, AND 1925; QUANTITY OF ELECTRIC ENERGY PURCHASED, 1929

TYPE	1	929	1927		1:	925	11	)1 <del>9</del>	1914		PER CENT DISTRIBUTION OF RATED HORSEFOWER CAPACITY	
	Number	Capacity	Number	Capacity	Number	Capacity	Number	Capacity	Number	Capacity	1029	1919
Prime movers and electric motors driven by purchased energy, aggregate	90, 954	Horse- power 220, 225	76, 373	Horse- power 221, 240	60, 801	Horse- power 212, 600	23, 203	Horse- power 173, 748	0, 036	Horse- power 111, 417	100.0	100.0
Prime movers, total	309	67, 093	358	77, 139	450	86, 191	624	08, 514	653	87, 669	30, 5	56.7
Steam, total	230	54,898	267	66, 511	362	77, 304	504	88, 221	527	78, 302	24.0	50.8
EnginesTurbines	202 28	38, 445 16, 453	248 10	52, 116 14, 395	301 61	60, 221 17, 083	469 35	75, 595 12, 626	(1)	(1)	17. 4 7. 5	43. 5 7. 3
Internal-combustion engines Water wheels and water turbines	34 45	4,081 8,114	40 45	3, 786 6, 842	40 42	3, 237 5, 650	51 69	1, 966 8, 327	53 73	1, 762 7, 605	1, 9 3, 7	1, 1 4, 8
Electric motors driven by purchased energy.	90, 645	153, 132	76, 015	144, 110	60, 351	126, 418	22, 579	75, 234	5, 383	23, 748	69. 5	43.3
Electric motors, total	107, 500	182, 230	93, 297	172,071	78, 601	156, 108	35, 310	107, 982	13, 054	47, 401	100.0	100.0
Driven by purchased energy. Driven by energy generated in establish-	90, 645	153, 132	76, 015	144, 110	60, 351	126, 418	22, 579	75, 234	5, 383	23, 748	84.0	69.7
ments reporting	16, 855	29, 098	17, 282	27, 961	18, 250	29, 690	12, 731	32, 748	8, 571	23, 653	16, 0	30.3
Electric generators	180	Kilowatts 32,450 Kilowatt- hours	178	Kilowatts 35, 323	253	Kilowalls 45, 345	(2)	(2)	(2)	(2)		
Electric energy purchased 3		280, 456, 407		(4)		(4)		(2)	<b> </b>	(2)		

TABLE 12.—WAGE EARNERS, BY MONTHS, FOR THE UNITED STATES, 1929, 1925, 1919, 1914, AND 1909, AND BY STATES, 1929

[This table presents statistics for only those States for which figures can be given without disclosing data for individual establishments. The sum of the State Items in any column is not, therefore, equal to the United States total at the head of the column. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures]

	Avorogo			NUMBER :	EMPLOYED	ON 15TH 1	DAY OF MO	NTH OR N	EAREST RI	CPRESENTA	TIVE DAY			Por
em t mm	Average number employed during year	January	February	March	April	May .	June	July	August	Septem- ber	October	Novem- ber	Decem- ber	cent mini- mum is of maxi- mum
United States: 1029	126, 782 1	129, 090 123, 582 118, 907 107, 769 97, 170	131, 854 126, 709 118, 201 109, 712 90, 473	132, 670 129, 107 120, 863 110, 879 100, 763	132, 509 129, 551 123, 114 111, 706 100, 314	131, 615 130, 591 125, 317 112, 761 99, 212	128, 804 130, 564 125, 601 111, 779 97, 782	128, 596 132, 589 127, 671 111, 141 96, 534	129, 666 135, 166 128, 936 109, 700 98, 351	130, 328 136, 614 129, 999 107, 193 99, 528	131, 548 137, 882 130, 019 105, 213 90, 620	130, 919 138, 908 135, 517 100, 142 99, 409	127, 918 138, 846 137, 239 100, 045 100, 204	96. 4 80. 0 86. 1 88. 7 95. 8
Connecticut Maryland Massachusetts New Jersey New York North Carolina Pennsylvania Rhode Island Tennessee Virginia	7,390 21,419 10,261 2,922 61,544	10, 452 889 7, 435 21, 565 10, 230 2, 737 60, 371 7, 627 620 2, 131	10, 278 887 7, 599 22, 114 10, 568 2, 768 61, 954 7, 829 628 2, 106	10, 484 871 7, 672 22, 003 10, 545 2, 844 62, 695 8, 024 043 2, 190	10, 608 847 7, 595 22, 100 10, 460 2, 886 62, 288 8, 121 657 2, 196	10, 665 873 7, 480 21, 758 10, 209 2, 909 62, 017 7, 823 685 2, 370	10, 593 852 7, 336 21, 148 10, 068 2, 844 60, 872 7, 364 663 2, 333	10, 846 836 7, 157 20, 717 10, 103 2, 868 60, 960 7, 298 712 2, 281	10, 891 855 7, 166 21, 072 10, 313 2, 891 61, 115 7, 238 742 2, 308	10, 775 873 7, 173 21, 486 10, 076 3, 018 61, 582 7, 174 747 2, 232	10, 530 804 7, 350 21, 450 10, 302 3, 034 62, 040 7, 485 717 2, 321	10, 011 918 7, 347 21, 180 10, 346 8, 152 61, 019 7, 613 618 2, 288	9, 073 830 7, 383 20, 421 9, 012 3, 107 60, 720 7, 474 571 2, 238	91, 0 00, 4 93, 3 92, 3 93, 8 80, 8 96, 3 88, 3 76, 4 88, 9

Not called for separately on schedule.
 Not called for on schedule.
 This item covers the consumption of purchased electric energy for all purposes—power, heat, light, etc.
 Data incomplete.