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FOODS & BEVERAGES SECTION

CANADA-DEPARTMENT OF TRADE AND COMMERCE DOMINION BUREAU OF STATISTICS

CENSUS OF MANUFACTURES

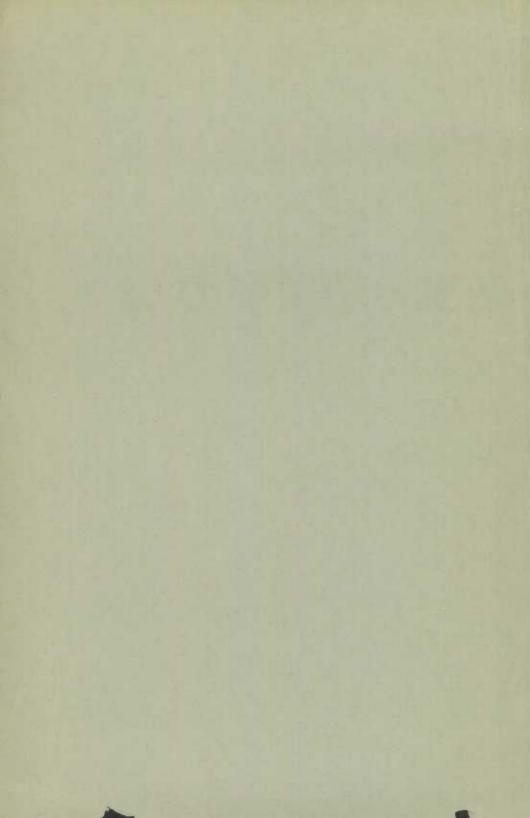
The Manufacturing Industries of Canada, 1931

SUMMARY REPORT

Published by authority of the Hon. II. H. Stevens, M.P., Minister of Trade and Commerce



OTTAWA J. O. PATENAUDE PRINTER TO THE KING'S MOST EXCELLENT MAJESTY 1933



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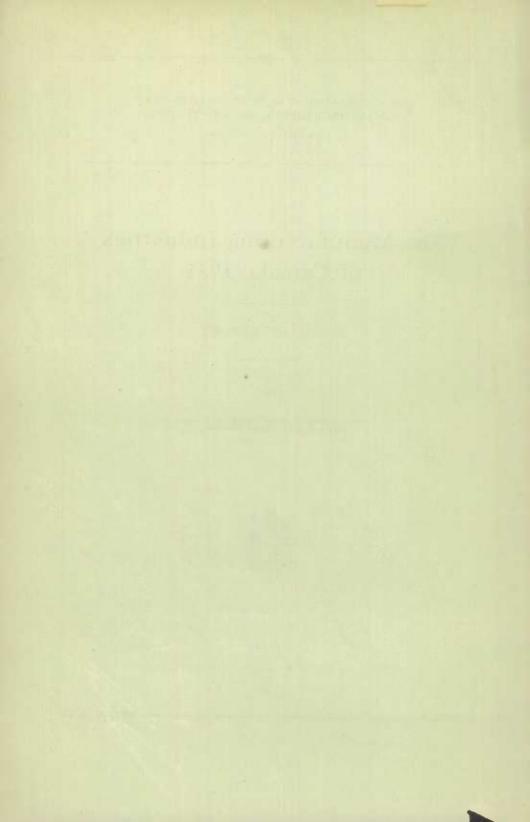


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DEPARTMENT OF TRADE AND COMMERCE

Dominion Bureau of Statistics—General Manufactures Division OTTAWA, CANADA

Dominion Statistician: R. H. COATS, B.A., F.S.S. (Hon.), F.R.S.C. Acting Chief, General Manufactures Division: A. COHEN, B.Com.

THE MANUFACTURING INDUSTRIES OF CANADA, 1931

Section 1.—The Evolution of Canadian Manufacturing Industries

Early Manufactures.—The type of manufactures established in a community will in the beginning be largely determined, more especially where transportation charges are high, by the raw materials available in that community. For example, probably the first agricultural process to be carried on by Europeans in what is now the Dominion of Canada was the raising of a crop of grain at Port Royal, Nova Scotia, in 1605; the first corresponding manufacturing process was the grinding of the grain in the autumn of that year. Other early manufactures were also necessarily connected with the satisfaction of the primary needs of human beings for food, clothing and shelter, and with the other primary need for protection. At a census of occupations taken in 1681, we find commerated a comparatively large number of tailors and shoemakers, masons and carpenters, gunsmiths and edgetool makers.

The earlier manufactures were necessarily of a rather crude and primitive type, concerned with the production of commodities which were too bulky to bear the heavy transportation charges of those days, when only one round trip per year could be made between France and Quebec, and vessels were constantly subject to the storms of the North Atlantic and very frequently to the attacks of the English. Indeed, although the colonial policy of France under the old régime aimed at preventing the manufacture in Canada of any article which could be imported from the Mother Country, the uncertainties of transportation due to the colonial wars of the period-France and England were at war for 34 years out of the 74 years between 1689 and 1763-led to a necessary relaxation of restrictions. On the oceasion of the English capture of a convoy in 1705, the colonists were driven to manufacture rough cloth out of whatever fibres they could obtain, such as the Canadian nettle and the inner bark of the basswood. Such events led to the introduction of sheep raising and the manufacturing of homespun woollens. From these humble beginnings arose the important textile industries of today which are able to produce the finest fabrics of cotton, wool or silk.

In the days when ships were built of wood Canada was advantageously situated with respect to their production. Pont-Gravé built two small vessels at Port Royal in 1606 and one at Tadoussac in 1608. Talon, in 1666, built on his private account a ship of 120 tons, and in 1672 a vessel of over 400 tons was on the stocks at Quebec. Ships were built for the French navy and for the West India trade. Under the British régime shipbuilding was conducted on a large scale in Quebec and New Brunswick, the industry reaching its climax of prosperity about 1865, when 105 Quebec-built ships with a tonnage of 59,333 were placed on the register. Thereafter iron and steel ships gradually supplanted the wooden vessels, but the forests of Canada have since provided the raw material for the pulp and paper and other important industries.

The manufacture of mineral products has been of comparatively recent date. Iron deposits in the St. Maurice region were worked as early as 1733 and furnaces set up there for smelting in 1737 were in fairly constant operation until 1883. The iron and steel used in manufacturing in Canada, as well as the coal which has supplied the manufacturing industries with power, has in the main been imported from the United States, chiefly because the principal manufacturing centres of this country in the St. Lawrence and Great Lakes region are fairly conveniently situated with regard to the coal and iron supplies of the United States and far away from the coal and iron supplies of the Maritime Provinces. In recent years the shortage of coal has been made up for by the increasing use of electric power, while the great bulk of the pig iron used in Canadian manufactures is now made in domestic blast furnaces.

Growth of Canadian Manufactures Prior to the War.—Until the later 90's, the growth of Canadian manufacturing industries was not particularly rapid, though the great fall in the prices of commodities during the period from 1873 to 1897 was largely responsible for the comparatively slow growth of the values of manufactured commodities from \$221,600,000 in 1870 to \$469,800,000 in 1890. Afterwards there was a change and the prices of commodities commenced to rise, while the industries generally shared in the advantages of the great growing period from 1900 to 1912. The gross product of establishments with five hands or over increased from \$368,700,000 in 1890 to \$1,166,000,000 in 1910 and to \$1,381,500,000 in 1915. The fundamental advantages of the position of Canada, her abundant raw material, her inexhaustible water power, her growing home market in the expanding West, had contributed to this result.

In the present, as in the past, Canadian manufacturing production has been chiefly dependent upon the use of Canadian raw material, though this is less true than formerly. Raw cotton, for example, is imported from the Southern States, hides from Argentina, rubber from the Straits Settlements and Malay peninsula, sugar from Fiji and the British West Indies, and wool from England, Australia and New Zealand to supply the raw material for Canadian manufacturing industries.

The Influence of the War.—The influence of the War upon the manufactures of Canada was profound and far-reaching, tending to promote the diversification of products and the production at home of many commodities which had previously been imported. On account of the practical suspension of the importation of manufactured goods of many kinds from Europe, enterprising Canadian manufacturers were given opportunities of entering upon new lines of manufacture with practical control of the market. There was added to this the reflex effect of the great prosperity of agriculture, produced by the unprecedented prices of war time, with the general result that industry worked at high pressure, not only to produce munitions and military supplies for the armies of the Allies, but also to make the manifold varieties of goods required for the stimulated civilian consumption. The world shortage of staple commodities, coupled with a strong domestic demand gave Canadian industries in general a pronounced stimulus toward greater production and, in a great number of cases, the capacity of manufacturing plants was increased; this increase created a demand for greater supplies of raw material. Incidentally, factory methods became more specialized and a high degree of administrative and mechanical efficiency was attained, and Canada, partly owing to the absorption of the energies of Europe in the War, assumed a new position as one of the leading manufacturing countries of the world. The inflation of the war period also led to unprecedented figures of values produced.

The great boom in Canadian manufactures described above reached its height in the summer of 1920, statistics for that year showing a gross value of products which was not exceeded until 1929. These values in 1929 reached a higher point than in the post-war boom of 1920, although the prices of manufactured goods had dropped about 41 p.c. in the intervening period. This steady expansion was halted during 1930, owing to the world-wide recession in business which set in toward the end of 1929, with the result that Canadian manufacturing production in 1930 which was valued at \$3,428,970,628 dropped back to near the 1927 level. The recession in manufacturing activity continued in 1931, as a result of which the gross value of production dropped still lower, viz. to \$2,698,461,862.

The growth of manufacturing production since 1870 is shown in Table 1 following, while the increasing importance of Canadian manufacturing for the international market may be illustrated by the fact that Canadian exports of manufactured produce increased from less than \$3,000,000 per annum on the average of 1871-75 to \$614,000,000 in the post-war fiscal year ended Mar. 31, 1920. Exports of "fully or chiefly manufactured" products in the fiscal year ended Mar. 31, 1932, amounted in value to \$263,505,873 and exports of "partly manufactured" products to \$86,660,735.

1.—Historical Summary of Statistics of Manufactures for the Dominion, 1870-1931.

Year.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
	No.		No.	\$	*	\$	\$
	(All estab	olis hmonts irre	spective o	of the numbe	r of employee	78.)	
1870 1880 1890	41,259 49,722 75,964	77,964,020 165,302,623 353,213,000	187,942 254,935 369,595	40,851,009 59,429,002 400,415,350	174,907,846 179,918,593 250,759,292	96,709,927 129,757,475 219,084,594	
	(1	Establishment	swith fiv	e hands and	over.)		
1830 1900 1910 1915	14,065 14,650 19,218 15,593	446,916,487 1,247,583,609 1,958,705,230	272,033 339,173 515,203	79,234,311 113,249,350 241,008,416 283,311,505	266,527,858 601,509,018 791,943,433		369,696,723 481,053,375 1,165,975,635 1,381,547,225
	(All esta	sblishments iri	espective	of the numb	er of employ	ees.)	
1917 1918 1919 1919 1928 1921 1922 1923 1924 1925 1926 1927 1928 1929 1929 1929	22,541 22,642 22,178 22,331 22,708 22,936 23,379 23,597 24,920	2,696,154,030 2,926,815,124 3,995,025,799 3,371,910,653 3,190,026,358 3,211,302,110 3,390,322,950 3,334,813,40 2,808,309,981 3,941,545,550 4,337,631,558 4,784,295,619 5,083,014,754 5,203,316,760	609.5%6 156,076 474,430 525,267 584,303 544,225 581,539 63%,933 65%,023 694,434 614,439	592, 457, 488 618, 463, 139 732, 120, 585 518, 785, 137 510, 431, 312 571, 470, 015 593, 015, 171 653, 850, 933 693, 932, 228 755, 189, 372 813, 049, 812 736, 092, 766	1,541,087,416 1,829,040,369 1,786,629,810 2,085,271,649 2,085,271,649 1,286,774,723 1,478,110,139 1,638,109,681 1,587,665,408 1,728,621,192 1,728,621 1,728,	1,460,723,777 1,509,870,745 1,686,978,168 1,209,143,314 1,198,431,407 1,311,025,375 1,256,643,901 1,360,879,907 1,492,645,039 1,635,923,936 1,819,046,025 1,997,350,365	2,289,764,144 3,299,590,590,53 3,772,250,05 2,576,037,025 2,587,035,587 2,5948,545,315 2,695,053,587 2,948,545,315 3,221,269,23 3,394,743,27 4,029,371,344 3,428,970,625

^{&#}x27;Certain duplications in the gross revenue of central electric stations were eliminated in a net figure and the difference shown as a "cost of material" for the years 1926-29, but not revenues only are now included for both gross and not values for those years. Therefore the figures here given differ slightly from those formerly published.

2.—Summary of Statistics of Manufactures, by Provinces, for Representative Years, 1917-31.

Note. See note to Table 3, p. 9.

	Estab-			Qularian	Cont	NT.A	0
Province.	lish-	Capital.	Em-	Salaries	Cost	Net Value of	Gross Value of
	ments.	O Topacous.	ployees.	Wages.	Materials.	Products.	Products.
	No.	\$	3	-			-
1917.			No.	\$	\$	\$	\$
Canada P.E. Island Nova Scotia	22,838	2,696,154,030 2,225,482	621,694 1,588 25,814	509,382,027	1,541,087,416 3.088.718	1,332,180,767	2,873,268,182
P.E. Island	418	2, 225, 482	1,588	683,149 19,177,657	3.088.718	1,816,986 58,751,437	4,905,704 161,207,522
New Brunswick	1,387 987	128,052,239 64,010,777	20,814	13, 192, 740	102,456,085 32,466,048	27,996,000	60,462,048
Unebec	7,193	793, 589, 489	191,969	143.291,802	385.486.685	396.539.787	782,026,472
Ontario	9,471	1,302,675,630	306,270	264.442.393	795,095,511		1,480,159,356
Saskatchewan	816 633	95,530,452 30,096,623	20,055	17,381,806 5,906,150	69,884,850	45,062,533	
Alberta	720	60, 552, 814	6,846 10,191	9.323.221	22,093,445 42,725,021 87,764,650	15,529,428 26,105,121	37,622,873 68,830,142
Alberta British Columbia	1.202	60.552,814 215,681,355	38.689	9,323,221 35,864,308	87,764.650	74,978,844	162.743,494
Yukon	[1	3,739,169	71	118,801	26,403	336,786	363,189
1920.	23,351	3,371,940,653	000 200	san tan tor	n aur nat 646	4 808 679 480	0 000 000 000
P.E. Island Nova Scotia	384	2,734,719	609,586 1,327	888.121	2,685,271,649 4,164,223	2.221.745	6.385.969
Nova Scotia	1.388	2,734,719 141,549,856	23,834	26, 127, 781	85, 724, 785	63,274.708	148 999 493
New Drunswick	928	105.671.688	19, 241	19.505.048	60,812.64E	-46,910,631	107,723,272
Quebec Ontario	7,677 9,473	1,028,226,105	186,308 300,794	205, 829, 155	553,558,520 1,071,843,374	892 570 783	1,071,251,645 1,894,414,157
Ontario	773	112,896,616	300,794 24,381 7,182	33,357,872	92,729,271	65.492.637	158,221,908
Saskatehewan	639	31,727,162	7,182	10,249,392	34,894,105	24,655.529	59, 549, 634
Alberta	722	61,063,132	11,387	15,903,609	56, 139, 646	32,466,428	88,606,074
and Yukon	1,367	219,991,887	35, 132	50,413,414	125, 405, 084	141, 692, 821	237, 097, 905
1021							
Canada P.E. Island Nova Scotia.	22,235	3,190,026,358	458,076	518,785,137	1,366,893,685 2,516,415	1,209,143,344	2,576,037,029
P.F. Island	339 1,208	2,308,216	893 14,521	522,488 14,400,509	2,516,415 41,099,835	1,356,440 36,384,726	3,873,355 77,484,561
	867	99,204,791	12.441	10.678.721	32, 151, 631	23, 193, 562	55 345 193
Quebec	7,173	105, 254, 364 99, 204, 791 981, 177, 681 1, 613, 486, 222	12,441 146,763 228,943	151,474,436 274,061,696	390, 119, 293	361,964,897	752,084;190 1,329,984,940
Quebec Ontario Manitoba	9,328 775	1,613,486,222	228,943	274,061,696	704, 814, 433	625, 170, 507	1,329,984,940
Saskatchewan	600	93,334,151 30,265,504	14,851 4,343	5 677 449	60,596,556 25,589,403	45,431,304 15,092,337	106,027,860 40,681,740
Alberta British Columbia	709	55,685,908	8,227	19,945,727 5,677,449 10,072,714	33,912,502	26,152,276	60,064.778
British Columbia	1 000	000 000 000				m + 0.00 mor	150 100 410
and Yukon 1924.	1,236	209, 309, 521	25,094	31,951,397	76,093,617	74, 396, 795	150, 490, 412
Canada	22,178	3,538,813,460	508,503	559.884.045	1,438,409,681	1.256.643.901	2,695,653,582
P.E. Island Nova Scotia New Brunswick	313	2,637,844	2,271	548, 496	2,281,398 38,930,734	1,439,476	3.720,874
Nova Scotia	1, 166 846	108, 535, 273 88, 357, 818	16,093 15,805	11,553,900 12,812,718	38,930,734	25,642,358 26,952,341	64,571,092
Quebec	6.847	1,044,113,969	161,652	162,379,284	40,503,685 385,880,826	390,351,418	3.720.874 64,571,092 97,456,026 776,232,244
Ontario	9.453	1,836,269,551	252 596	296, 508, 913	754,469,838	643, 493, 906	1,397,873,744
Manitoba	768 645	110,011,602	14,778 4,151	18,706,742	59,036,763	43,215,250	102,252,013
Alberta	739	30,269,547 67,565,979	8,150	5,544,416 10,709,140	22, 179, 147 39, 102, 975	14,134,784 26,142,386	36,313,931 65,245,361
Suskatchewan, Alberta British Columbia and Yukon,		01,000,010	0,100	10,000,000	00,102,010	20,132,000	00,240,001
and Yukon	1,401	251,051,877	33,007	41,120,436	96,024,315	85,361,982	181,386.297
1927.	22 220	4 999 094 570	210 000	000 010 000	4 750 700 874	4 097 009 07	2 204 740 070
Canada P.E. Island Nova Scatia New Brunswick	22,936 291	4,337,631,558 3,081,504	618,933 2.232	687 840	1,758,789,334 2,854,943	1 638 100	4 403 133
Nova Sectia	1, 190	128, 155, 040	17,864	13,010,944	41,498,489	32,398,977	73,897,466
New Brunswick	872	99,087,327	18,970	14,999,101	42,353,973	29,886,083	72,240,056
Quebec	7,206 9,512	1,376,654,019 2,134,181,377	196,094 296,034	203,724,997 355,174,773	456,344,948 920, 49,136	516, 221, 599 818, 132, 010	982, 566, 547 1,738,981,146
Mantoba	859	151,373,047	23.031	28,934,926	78,862,212	62,578,912	141, 441, 124
Suskatchewan	721	151,373,047 38,387,248 81,664,730	5,683 11,285	28,934.926 7,280.945	78,862,212 32,147,303 50,209,720	20,015,654	52, 162, 957
Alberta British Columbia	776	81,004,730	11,285	13,511,359	50, 209, 720	34, 376, 296	84,586,016
and Yukon	1,509	325,047,266	47,740	56,007.334	123,668,610	120,676,215	244,344,825
1929.							
Canada	23,597	5,083,014,754	694,434 2,133	813,019,842	2,032,020,975	1,997,350,365	4,029,371,340
Nova Scotia	276 1,195	3,489,934 135,662,325	2,133	781,448 17,925,190	2,864,383 50,781,055	1.773,894 42,786,293	4,638,277 93,567,348
New Brunswick	860	117,965,970	18,517	15,712,322	39,845,223	30,980,431	70,825,654
Quebec	7.156	1 673 011 042	213,467	233,803,672	537,828,611	617, 372, 403	1,155,201,014
Ontario	9,910	2,418,340,450 173,152,948 58,877,124	339,859	421,789,723	1,057,407,249	7,022,984,190	2,080,391,439
Saskatchewan	761	58,877,124	26,318 8,047	34,158,583 10,438,759	88,055,264 51,143,205	75.750.746 29.292.332	163,806,010 80,435,537
Alberta	817	107,648,028	13,748	16,460,038	62,700,608	44, 123, 868	106,824,476
British Columbia	1 000	204 846 000	E1 970	01 000 100	141 DOF 950	190 000 000	070 001 50-
and Yukon	1,699	394,866,933	51,379	01,980,107	[41,395,377]	132,286,208	273,681,585

2.—Summary of Statistics of Manufactures, by Provinces, for Representative Years, 1917-31—concluded

Province.	Estab- lish- ments.	Capital.	Em- pioyees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$	\$
1930.							
Canada P.E. Island Nova Scotis New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia and Yukon. 1931.	24,820 267 1,302 924 7,410 9,888 937 750 846 1,697	5,263,316,760 3,441,958 133,671,163 140,611,530 1,727,064,388 2,431,369,848 188,413,164 65,486,140 106,930,271 403,328,298	18, 422 204, 802 307, 477 26, 488	788, 092, 766 788, 106 17, 537, 690 14, 988, 441 216, 835, 675 370, 781, 452 33, 941, 235 9, 220, 593 17, 092, 033 54, 898, 541	44,506,178 33,897,264 462,244,278 830,666,780 74,761,205 35,608,157 53,621,884	1,708,139 41,296,743 29,570,998 560,036,409 876,358,542 67,663,725 26,669,609 40,692,898	4, 254, 966 85, 802, 921 63, 468, 262 1,622,280,687 1,713,025,322 142, 424, 990 62, 276, 766 94, 314, 782
Canada P. E. Island Nova Scotin New Brunswick Quebec Ontario Manitoba Suskatchewan Alberta British Columbia and Yukon	24,501 290 1,449 872 7,505 10,140 955 768 886 1,636	4,881,312,468 4,019,288 129,823,727 128,859,472 1,662,811,076 2,285,361,451 191,955,311 68,547,866 107,427,003 382,525,614	1,170 16,175 13,107 180,808 269,739 24,193 6,061	624,545,561 809,122 14,881,673 12,706,897 187,362,564 313,676,300 30,706,209 7,546,703 14,213,753 42,642,340	25,831,856 369,044,132 597,879,792 55,149,392 22,540,618 36,090,169	1,787,200 37,394,253 29,577,962 480,110,221 714,521,036 63,391,473 21,724,533	4, 136, 570 70, 679, 503 55, 209, 818 849, 154, 353 1,312,400,828 118, 540, 865 44, 265, 151

3.—Summary of Statistics of Manufactures, by Industrial Groups, for Representative Years, 1917-31.

Note.—Figures for the Chemical Group published in this table do not correspond with those published in the Annual Report on Chemicals and Allied Products for the following reason. In the report on Chemicals and Allied Products the figures for 1920 to 1928 have been revised and are directly comparable with those given for 1920 and 1930. Prior to 1929 the industry totals included the value placed on intermediate materials and products which were made and used in further processes in the producing works. In 1929 this policy was altered to exclude these intermediates and the figures have been revised on this new basis Statistics of the non-ferrous metal smelting insulatives were included in manufactures for the first time in 1925. See note to Table 1, p. 7.

Industrial Group,	Establishments.	Capital.	Em- ployees.	Salaries Cost and of Wages. Materials		Net Value of Products.	Gross Value of Products.
1917.	No.	\$	No.	\$	\$	\$	\$
Totals Vegetable products Ammel products Textile products Wood and paper Iron and its pro-	22,838 3,816 5,486 1,360 7,255	2,698,154,e30 274,722,765 207,165,245 196,823,197 537,731,225	61,288 46,994 82,639	509, 382, 027 44, 780, 329 35, 753, 133 51, 189, 060 115, 137, 384	365, 483, 023 320, 302, 039 132, 479, 763	181,072,143	444.406.029
Non-ferrous metals.	1,404 296	634,642,989 69,421,911		140,334,255 15,898,890		334,616,810 41,039,351	
erals	1,410	150, 328, 144	22,284	19,360,952		60,802,754	
allied products Miscellaneous in-	539	175, 836, 690		51,505,484			
Central electric stations.	666	93,477,696 356,004,168		27,644,825 7,777,715		49,901,216 44,536,848	

3.—Summary of Statistics of Manufactures, by Industrial Groups, for Representative Years, 1917-31—continued.

Industrial Group.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
1920.	No.	\$	No.	\$	\$	\$	\$
Totals	23,351	3,371,940,653	609,586	795 490 505	2,085,271,649	1 000 000 484	2 229 250 052
Vegetable products.	4,219	394.123.233	72.380	75,695,530	532,484,195	234,317,527	766,801,722
Animal products	4,823	221,792,457	48.687	54,291.606	400,496,354	152, 995, 130	553,491,484
Textile products Wood and paper	1,304 7,867	302,758,185 772,086,812	87,730 143,731	84,433,609 171,610,460	256, 233, 300 308, 282, 232	173,741,035 415,784,276	429, 974, 335 724, 066, 508
lron and its pro- ducts Non-ferrous metals,	1,690 324	642,904,322 109,382,033	146.204 23,162	205, 414, 599 27, 895, 343	349, 642, 666 48, 434, 120	365, 473, 097 52, 847, 178	715,115,763 101,281,298
Non-metallic min- erals	1,176	223,541,735	27,361	34,406,423	74,200,407	85,216,316	159.416,723
Chemicals and allied products Miscellaneous in-	464	122.123.730	17.653	22,193,421	62,644,608	65, 183, 212	127, 827, 820
dustries	665	134,954,504	31.985	41.552.885	52, 853, 767	75,715,577	128,569,344
Central electric sta- tions	819	448.273,642	10,693	14,626,709	-	65, 705, 060	65,705,060
1921.							
Totals	22,235	3,199,026,358	456,076	518,785,137	1.366,893,695	1,209,143,344	2,576,037,021
Vegetable products	3,946. 5,051	360.945.194 200.697.527	61, 161 45, 726	63,130,893 48,124,667	364, 123, 395 267, 878, 165	205,448,326	569,571,721
Textile products Wood and paper	I, 627 7, 152	260.158,327 775.207.859	76.379	71.321.283 131.089.861	164, 139, 109 203, 856, 170	111,534,101 140,773,447 283,260,565	304,912,556 487,116,735
Iron and its pro-	1, 138	575.680.424	77.080	00 000 000	104 705 170	197 979 005	382,398,08-
Non-ferrous metals.	344	104,079,490		98,363,983 22,692,784	194,725,179 31,439,989	187,672,905 41,149,894	72,589,883
Non-metallic min- erals	1,075	209.641,529	24,393	28,374,655	67, 780, 080	75,278,296	143,058,376
allied products Miscellaneous in-	468	118, 382, 642	12.571	16, 192, 457	43, 108, 870	45, 495, 135	88,604,004
dustries	577	100, 563, 915	18.794	24.259,876	29,842,728	44.894,581	74,737,309
tions	857	484,669,451	10,714	15.234,678	-	73.636,094	73,636,094
1924.							
Totals	99 178	3,538,813,460	508,503	550 994 045	1,438,409,681	1 255 617 001	9 685 852 591
Vegetable products.	22,178 4,414	414.922,612	66, 183	70,638,304	365, 614, 854	220.330.748	585.945.60
Animal products	4.816	208, 466, 666	66, 183 57, 779	53,270,202	269, 993, 396	109.783.926	379,777,32
Wood and paper	1,781 6,906	298, 665, 942 879, 307, 261	90.254 127,551	77,924,749 148,529,075	179.551.579 246.078.592	141,803,602 300,425,516	321,355,18 546,504,10
Iron and its pro-	1.003	535.924.351	78,314	99,567,510	195.981,347	174, 107, 327	370,088,67
Non-ferrous metals. Non-metallie	341	114,354,971	21,670	26, 118, 839	42,255,294	50,968,079	93,223,37
Chemicals and	1.095	235, 613, 111	24,186	29,559,746	61.741,225	76,832,578	138,573,803
allied products Miscellaneous in-	457	126, 495, 685	13.796	17,074,529	54,311,913	53.905.324	108, 217, 23
dustries Central electric sta-	414	96, 497, 768	15.942	19, 254, 507	22,881,481	33, 317, 033	56.198.51
tions	951	628, 565, 093	12,828	17,946,584	-	95, 169, 768	95.169.768
1927.							
Totals	22,936	4,337,631,558	618,933 78,300	693,932,728	1,758,789,334	1,635,923,936	3,394,713,270
Vegetable products. Animal products	4,793 4,692	494, 176, 054 233, 113, 872	68.381	81.830.734 61.407,018	429,325,105 325,455,482	283,374,975 132,260,556	712,700,08 457,716.03
Textile products	1,802	346, 512, 165	107.519	95, 891, 243	198,870,157	183.137,300	382,007,45
Iron and its pro-	6,811	1,023,301.749	150,550	95, 891, 243 187, 995, 734	271,780,232	357, 786, 924	382,007,45 629,567,15
Non-ferrous metals.	1,148 401	638.914.893 208,957,166		143,351,174 44,154,695	261, 102, 679 87, 612, 666	264.819,160 112,757,295	525, 921, 839 200, 369, 96
Non-metaltic min-	1.184	280,033,057		33,958,541	86,312,529	89,433,536	175,746,06
Chemicals and al-							
Miscellaneous in-	561	134,618,839		18,656,851	63,630,588	-63,854,084	70 166 70
dustries Central electric sta-		111, 178, 478		23,739,923	34,699,896	44, 466, 809	79,166,70
tions	1,097	866, 825, 285	14,708	22,946 315	-	104.033.297	104.033.29

3.—Summary of Statistics of Manufactures, by Industrial Groups, for Representative Years, 1917-31—concluded.

Industrial Group.	Estab lish- ments.	Capital,	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
	No.	\$	No	5	\$	\$	\$
1929.							
Totals	23,597	5,083,014,754	691, 434	813,049,842	2,032,020,975	1,997,350,365	4,029,371,346
Vegetable products.	5,005	569,064,835	88,858	93, 299, 665	427,019,724		771,457,665
Animal products	4,490	243,825,065		62,081,423	345, 351, 882	132,409,973	
Textile products	1,891	383, 153, 797		105,896,237	220, 304, 250		
Wood and paper	7,405	1,152,075,234	164,800	192, 235, 448	314,203,289	411,616.451	725.819,740
Iron and its pro-	1,169	764 000 105	132, 281	100 000 700	201 005 000	252 007 700	770 010 000
Non-ferrous metals.	408	754,989,105 298,721,106		186,928,700 54,501,806	384,925,660 124,900,632	353, 087, 320 158, 645, 034	
Non-metallic min-	200	290, 121, 100	98,001	04,001,800	124, 900, 032	100,040,004	200,040,000
	1, 188	329,448,844	31,431	41,511,846	117, 149, 130	124,874,388	242,023,518
Chemicals and	1,100	047, 110, 011	01,701	91,011,010	111,149,100	124,014,000	240,040,010
allied products	554	165,886,912	16,694	22,639,449	55, 184, 337	83,360,884	138, 545, 221
Miscellaneous in-	001	100,000,812	10,081	22, 000, 330	99, 101, 997	03,300,001	100,010,221
dustries	463	130, 118, 324	21.049	29, 123, 447	42,982,071	60,091,591	103,073,662
Central electric sta-	100	100,110,021	21,015	P\$, 100, TT	45, 305, 011	00,001,001	100,010,002
tions	1,024	1,055,731,532	16, 164	24, 831, 821		122,883,446	122, 883, 446
120/118	1,001	1,000,101,000	20,101	24,001,021		144,000,790	122,000,190
4000							
1930.							
Totals	24,020	5,203,316,760	644,439	736.092.766	1,666,983,902	1,761,986,726	3,428,970,628
Vegetable products.	5.041	569, 403, 769	84.182	85, 259, 243	357,510,340	314.513.326	672.023,666
Animal products	4,341	233, 334, 972	57.657	55,564,398	285, 328, 411	132, 212, 467	
Textile products	1,886	368,567,643		97, 903, 096	184,563,865	177, 250, 868	
Wood and paper	7,816	1, 221, 357, 252	156,724	174, 406, 889	208, 249, 293	368, 350, 618	636,599,911
Iron and its pro-							
ducts	1, 196)	757, 797, 256		165, 429, 608	281,713.862	288,032,111	569,745,973
Non-ferrous metals	429	325,605,549	38,756	52,319,027	111, 738, 411	138,720,310	250,458,721
Non-metallic min-							
erals.	1,234	336,018,922	29,868	39, 241, 165	107, 206, 674	109,606,153	216,812,827
Chemicals and	501	100 110 150	45 500	01 041 700	10 107 000	Es 004 F00	440 000 000
altied products	591	168, 119, 152	15,503	21,041,789	48, 165, 038	71,804,599	119,969,637
Miscellaneous in-	480	04 040 000	14 200	17 040 100	00 500 000	25 150 100	FR 000 107
dustries	452	84,912,229	14,328	17,640,108	22,508,008	35, 458, 129	57, 966, 137
Central electric sta-	1.034	1,138,200,016	17.858	27, 287, 443		126, 038, 145	126, 038, 145
tions	1,004	1,100,200,010	11,000	21,201,440		120,000,110	150,000,110
1931.							
Totals	24,501	4,961,312,408	557,426	624.545.561	1,223,880,011	1,474,581,851	2,638,461,862
Vegetable products.	5,283	545,387,574	77,706	79,022,515	260,604,562	274, 474, 901	535, 079, 463
Animal products	4.430	217.441.415	51.297	51, 270, 503			
Textile products	1.955	352,344,073	105,473	92,504,088		163, 967, 295	317, 158, 670
Wood and paper	7,767	1,053,064,435		140, 349, 106	192, 379, 915	291,858,015	
Iron and its pro-							
ducts	1,243	676, 270, 362		120,759,931	170,754,686	203, 970, 382	
Non-ferrous metals,	455	318, 395, 983	34, 414	46, 111, 373	95,342,788	116,519,624	211,862,412
Non-metallic min-							
erals	1,272	328, 873, 782	24.895	32,219,282	78.945,766	102, 486, 140	181,431,906
Chemicals and	404	140 040	44 000	00 000 000	40 000 000		
allied products	621	163,863,072	15,207	20,867,948	40,756,550	64,745,355	105,501,905
Miscellaneous in-	40.4	75, 682, 761	12,821	15, 133, 859	17 100 001	00 100 101	45 050 000
					17, 160, 861	28, 189, 461	45,350,322
dustries	464	14,002,101	12,021	10, 100,000	**; ***; ***	801 200, 201	1010001000
	1,011		17,014	26,306,956	**, ***, ***	122,310,730	

Subsection 2.--Summary Statistics of Manufacturing Production.

Summary Statistics of Manufactures.—In Table 4 will be found an analysis of the most important statistics of manufacture for the period 1917 to 1931, here brought together in order that the tendencies in Canadian manufacturing industries may be traced as clearly as possible through this latest period of their development. In analysing statistics of production and materials used, it should be borne in mind that due to the inflation of values during the war and immediate post-war periods and the drop in prices of commodities during the depressions of 1921 and 1930

4.—Summary Statistics of Manufactures for Representative Years, 1917-31

Item.	1917.	1920.	1921.	1924.	1927.1	1929.	1930.	1931.
EstablishmentsNo.	22,838	23,351	22,235	22,178	22,936	23,597	24,020	24,56
Capital \$	2,696,154,030						5,203,316,760	
Average capital per establishment \$	118,056	144, 402	143, 469	159,563	189,119	215,409	216,624	202,49
Average capital per employee\$	4,337	5,531	6,994	6,959		7,320		8,90
Average capital per wage-earner	4,876	6,404	8,368	8,186		8,503		
Yotal employees	621,694	609,586	456,076	508.503	618,933	694,434	644,439	557.42
Average number of employees per establish-	27.2	26-1	20.5	22.9	27.0	29.4	26.8	22.
ment. No lotal salaries and wages \$	509.382.027	732, 120, 585	518, 785, 137	559, 884, 045	693, 932, 228	813,049,842	736, 092, 766	624.545.50
Average salaries and wages per establishment \$	22.304	31,353	23,332	25,245	30,255	34, 456	30,645	25.49
Average salaries and wages per employee\$	819	1,201	1.138		1, 121	1.171	1.142	
imployees on salaries	68,726	83,015	74, 8731		85,483	96,607	92,943	99.79
Average salaried employees per establishment No.	3.0	3-6	3.4	3 - 4	3.7	4.1	3.9	4
alaries	89, 287, 158	148, 267, 360	136,874.992	139,614,639	162,348,978	188,747,672	184, 239, 117	186,810,7
Average salary\$	1,299	1,786	1,828	1,831	1,899	1,954	1,982	1,8
Imployees on wages	552,968	526, 571	381,203	432,273	533,450	597, 827	551,496	457,6
Average number of wage-earners per establish-		0.0		10.2	00.0	0,5 0	20.0	
meutNo.	24.2	22.6	17.1	19.5	23.3	25.3	23.0	
Vages	420,094,889	583,853,225 1,109	381,910,145 1,002	420, 269, 406 972	531,583,250 997	624,302,170		437,734,7
Average wage	760		1,366,893,685	1,438,409,681		2.032.020.975		1,223,880,0
Ost of materials	67,479	89,301	61.475	64.858	76,682	86.114		49.9
Average cost of materials per employee\$	2.479	3.421	2,997	2.829	2,842	2,926	2.587	2.1
alue added in manufacture\$	1,332,180,767			1,256,643,901		1,997,350,365		
Average value added per establishment \$	58.332	72,245	54.380	56,662	71,325		73.355	60.1
A verage value added per employee \$	2,143	2,767	2,651	2,473	2,643	2,877	2,734	2,6
ross value of products	2,873,268,183	3,772,250,057	2,576,037,029	2,695,053,582	3,394,713,270	4,029,371,340	3,428,970,628	2,698,461.8
Average gross value of product per establish-								
ment \$	125, 811	161,546	115,855	121,519		170, 758	142,755	110, 1
Average gross value of product per employee. \$	4,622	6,188	5,648	5,300	5,485	5,802	5,321	4.8
ower employed2		3	3	2,538,535	3,287,582	3,867,979	4,051,744	4,114,6
Average number of horse-power per establish-				- 120	151	171	176	1
ment ²	-	-	- 1	120	191	171	1/0	1
Average number of horse-power per wage- earner ²		-		5-97	6-27	6.58	7-49	g.
Carner				0.91	3 21	0.00	1.40	

¹A change in the method of computing the number of wage-carners in 1925 and later years increased the number somewhat over that which the method previously used would have given. There was therefore a proportionate reduction in the averages for 1925 and later years per employee and wage-carner, as compared to what these averages would have been under the former method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1931 are therefore comparable with those for 1931 and earlier years.

The figures of power in this table represent the installation in manufactures exclusive of central electric stations, which are also excluded from the number of establishments and of employees in working out the averages.

Comparable figures not available.

the figures for these years become largely incomparable. One very important figure, however, where the trend of development proceeds clearly and uninterruptedly, is concerned with the use of power. In the analysis here given the aim is to show the position of power as a factor in general manufacturing production. Therefore, the power installation of central electric stations has been excluded. Unfortunately, the figures for power are not available on the same basis for the years previous to 1924. The total horse-power employed increased from 2.538,535 in 1924 to 4.114,677 in 1931 or an increase of 62.1 p.c. in eight years. In the same period, the horse-power used per establishment increased from 120 to 175 and the horse-power per wageearner from 5.97 to 8.99, indicating the rapidly increasing utilization of power in manufacturing production. The increase from \$118,056 to \$202,494 in average capital per establishment between 1917 and 1931, and the decrease from 27.2 to 22.8 in the average number of employees are very significant figures. Another interesting comparison is the increase in the value added by manufacture per employee, and the increase in average salaries and wages. The value added by manufacture per employee increased from \$2,143 in 1917 to \$2,645 in 1931, an increase of 23.4 p.c., while average salaries and wages increased from \$819 to \$1,120, or by 36-7 p.c.

Value of Products.—The gross value of manufactured products in 1931 was reported as \$2,698,461,862; the cost of materials was \$1,223,880,011, leaving \$1,474,581,851 as the value added by manufacture. As the finished products of one branch of manufacture are constantly used as materials in other branches in the ascending scale of modern industry, it follows that they are counted over and over again, swelling in this manner the total gross value of products. The total value of manufactured products, strictly defined, would include: (1) the value of all raw materials obtained from the extractive and primary production industries which have entered into the manufacturing output; and (2) the entire value added to these raw materials by manufacturing processes from the time they first entered any factory up to the close of the census year. This total value would be very much greater than the \$1,474,581,851 shown as having been added by manufacture, but not so great as the \$2,698,461,862 shown as the gross value of production. (The decline of \$730,000,000 in gross value of products in 1931 was mainly accounted for by a drop of 443,000,000 in the cost of materials.)

Volume of Manufacturing Production in Recent Years.\!—An investigation of the greatest importance, especially in a period when values are rapidly changing, is that of the volume of manufacturing production as distinguished from its value. Since real income is ultimately measured in goods and services, the growth of the volume of manufactures therefore becomes a matter of great importance. The important thing to know is whether consumers are getting more goods and services, not whether they are expending more dollars and cents.

The ever-increasing use of factory products is one of the most significant features of modern life. The process has continued until at the present time fresh fruits and vegetables are about the only articles which reach the consumer without, in some way, being first processed at a factory. Fresh milk is pasteurized and bottled in a dairy plant, fresh fish and meats are dressed principally in packing plants, and the home preserving of fruits and vegetables is being superseded by more efficient processes in the canning factory. Thus even the foods we eat, as well as

¹For a much more detailed and comprehensive treatment of this subject see the study "The Quantity of Manufacturing Production in Canada 1923-29" by A. Cohen, B. Com., Acting Chief of the Census of Manufactures, Dominion Bureau of Statistics.

the clothing we wear, our household conveniences and our instruments of production and transportation, are increasingly products of factories. The growing volume of factory production, therefore, measures approximately the total flow of the economic goods upon which the rising standards of modern life so vitally depend.

The statistics of manufactures afford a variety of measures of the growth of factory production. The number of wage-earners, capital invested, value of production and value added by manufacture all show to some extent the direction and volume of growth. The value of production and that added by manufacture, being reported in dollars, are influenced by price changes as well as the quantity of goods produced and, as already explained, become misleading under the violent price changes of the past fifteen years. The capital invested is also affected by changing money values, while the relation between capital invested and value of goods produced varies greatly as between one industry and another. Neither is the number of wage-earners employed likely to be a representative measure of changes in the volume of production. The progressively increasing use of machinery and the rise in the power installed per wage-earner (see Table 4) tend to increase the employee's output. Thus while the reported wage-earners in 1931 had increased 2·4 p.c. over the number in 1923, the volume of production is estimated to have increased by 18·3 p.c. in the same period.

The central electric stations were excluded from general manufactures in making the index, since this industry is in a class by itself in the peculiar function of its product, and is also unique in the magnitude of its capital investment and the smallness of its labour force in proportion to its net production. The index is based on the quantities of manufactured products reported and incindes 71·1 p.c. of the total value of the production in 1926, exclusive of central electric stations. It is weighted according to the values added by manufacture in 1926. A complete description of the manner in which the index is constructed will be found in the publication referred to in the footnote on p. 13.

The physical volume of manufacturing production, exclusive of central electric stations, increased 50·2 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11·3 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would be about 11·3 p.c. Exports of partly and fully manufactured goods increased from \$591,830,000 in the fiscal year ended March 31, 1924, to \$690,904,000 in the fiscal year 1930, the increase in exports representing about 3·6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was therefore apparently absorbed by the rise in the standard of living of the population of Canada.

The index of the volume of production dropped from $150 \cdot 2$ in 1929 to $118 \cdot 3$ in 1931, a decrease of $21 \cdot 2$ p.c. This decrease is very significant when compared with the decrease in the net value of production and the number of wage-earners employed.

Owing to declines in the values of finished products (due, in a large degree, to the drastic declines in the values of raw materials) and to the decrease in the volume of production, the net value of production dropped from \$1,997,350,365 in 1929 to \$1,761,986,726 in 1930, a decrease of 11·8 p.c., while the number of wage-earners dropped from 597,827 to 551,496, a decrease of 7·8 p.c. It will be noted that the

percentage decrease in the volume of production between 1929 and 1930, viz., 9.3, was 1.5 greater than the percentage decrease in the number of wage-earners in the same period. This bears out the observations made in the special study on the volume of production that records of the number of wage-earners may be regarded as more likely to understate than to overstate the changes in the volume of production. As stated previously the tendency is toward increasing production per wage-earner through greater efficiency and increased use of machinery and laboursaving devices. Also in times of depression, many establishments follow the practice of keeping the wage-earners on the pay-roll on a part time basis rather than laying some of them off and employing the rest on full time, while in periods of increased industrial activity the additional output required is secured through overtime work rather than an increase in the number of wage-earners. The net result is to confine fluctuations in the number of wage-earners within narrower limits than that of the physical volume of production. All things considered, however, the average number of wage-earners is materially influenced by the fluctuations in industrial activity. Compared with 1930, however, the number of wage-earners in 1931 dropped from 551,496 to 457,628, a decrease of 17 p.e., while the volume of production declined only by 13 · 1 p.c. from 136 · 2 in 1930 to 118 · 3 in 1931. This apparent contradiction of the observations made above is due to the following changes in procedure. (a) The large decrease in the number of wage-earners in 1931 is not entirely due to the decline in manufacturing production. The decrease is in part due to the change in method of computing the average annual employment. Between 1925 and 1930 the average was obtained by summing the averages of individual plants, based on the number of months in actual operation and not by dividing by 12 the sum of the monthly employment figures. For example, if a plant operated only during three months of the year with an employment of 100 persons the first month, 125 the second month and 75 the third month, its average annual employment was taken as 100 (300 ÷ 3); the same as that of another plant which operated the whole year with an average exployment of 100 persons per month. In 1931, however, a change was made to the old method whereby the aggregate of the monthly figures is divided by 12. As a result of this change, the average annual employment in such seasonal industries as fruit and vegetable canning and sawmilling was, therefore, considerably lower than formerly without the number of wage-earners being correspondingly smaller. (b) Prior to 1931, owners who were working as ordinary wage-earners, such as small bakers, operators of sawmills and grist-mills, etc., reported themselves as wage-earners. In 1931, however, all such owners were required to report themselves as salaried employees. By making allowances for the above changes it would be found that in 1931 also the number of wage-earners declined less than the volume of production.

As may be seen from Table 5 below, all groups in the component material classification reported declines in the volume of production in 1930 and again in 1931. As compared with 1929, the iron and steel group in 1931 led with a decrease of 61·6 points. This was followed by miscellaneous industries with a decrease of 36·3 points, wood and paper products 35 points, non-metallic mineral products 32·7 points, chemicals 26·4 points, vegetable products 22·3 points, non-ferrous metal products 19·2 points, animal products 14 points and textiles and textile products 12·2 points.

In analysing the changes in the volume of production, on a purpose classification basis, some interesting facts are revealed. As compared with 1929, the food group reported a decrease of $8\cdot 2$ points although in 1930 this group reported an

increase of 2·1 points. The output of vehicles and vessels which is very largely made up of the automobile and rubber-tire industries recorded a decrease of 53·2 points; this is the greatest decrease of all the major groups. Producers' materials and industrial equipment declined 32·4 and 30 points respectively, due to the general decreases in industrial activity. Books and stationery dropped 7·5 points, clothing 15·6 points, personal utilities 27·4 points, drink and tobacco 29·2 points and house furnishings 36·1 points. The decrease in the personal utilities group, however, is misleading. The production of the musical instruments industry which is included in this group, has been decreasing steadily during the past few years; the output of pianos, phonographs and phonograph records becoming smaller and smaller. The main product of the musical instruments industry, namely, the radio, is now produced in the electrical apparatus industry. This industry, however, is credited to the industrial equipment group, as by far the largest part of its output consists of industrial equipment.

5.—Indexes of the Volume of Manufacturing Production, according to Component Material and Purpose Classifications, 1923-31.

Group.	1923.	1924.	1925.	1926.	1927.	1928.	1929.	1930.	1931.
COMPONENT MATERIAL									
CLASSIFICATION-									
Vegetable products	100.0	109-2	120 - 8	127-7	137-5	151 - 1	155-3	146-6	133 -
Animal products	100.0	107-1	113.0	122-9	120.0	123 - 8	117-2	113-6	103 -
Textiles and textile pro-									
durts.,	100.0	96-6	103 · 4	117-8	126.5	135 - 3	133 · 8	124-4	121-
Wood and paper products	100.0	98-1	106-0	119-9	129 - 1	142-0	152.9	141.5	117-
Iron and its products	100.0	80.5	95 - 1	121-7	125-2	138-1	157-8	126.9	96-
Non-ferrous metals	100-0	108-5	122.8	137 - 2	158 - 3	176-1	190-3	179-7	171-
Non-metallic minerals.	100 - 0	95-8	98-3	112-5	122 - 5	138-9	163 · 1	149.5	130 -
Chemicals and allied									
products	100.0	102-3	109.5	119.0	127.0	139 · 6	143.3	126.5	116
Miscellaneousindustries	100.0	108-0	106-0	124 - 8	138.0	136.5	137.3	116 · 6	101
Fotals, All Industries	100 · 0	98.2	107-5	122 - 2	130 - 2	141.9	150 · 2	136 - 2	118-
PURPOSE CLASSIFICATION-									
Food	100-0	107-3	114-0	118-1	115-5	122-4	121-4	123 - 5	110-
Cluthing	100-0	100-1	107-5	120 - 6	128-6	138.7	138-5	127-9	122
Drink and tobacco	100-0	114-6	121-8	131-6	151-3	171-6	184-9	172-2	155
Personal utilities	100.0	95-4	102-2	117-1	124-5	125-2	119-3	98-8	91
House furnishings	100 - 0	111-8	109-1	126-7	153 - 1	158-4	174-5	159.2	138
Books and stationery	100.0	83 - 4	97 - 6	107-4	119-3	132 - 0	141-2	140-3	133
Vehicles and vessels	100 - 0	87-1	107-7	140 - 1	148-0	158-5	184-3	149-4	131
Producers' materials	100.0	94.9	103-8	117-8	125.0	138 - 0	146-9	130-0	114
Industrial equipment	100.0	99-7	108-3	131-1	142-6	157-9	169 - 7	150 - 7	139
Miscellaneous	100.0	104-8	108-4	117-6	124-1	133 - 4	147-1	123 - 4	89

Exclusive of central electric stations.

The construction of this new index of the volume of manufacturing production has superseded for the years 1923-29 the index shown in Table 4 of this publication in former years. The former index, which made no pretence to the reliability of the new one, was made by dividing the gross value of manufactures by the index number of the prices of manufactured goods. The central electric stations were included in the former index, while they are excluded from the new one. However, the former index covered the period 1917 to 1923 not covered in the new one and, since this earlier period was one of wide fluctuations in money values, the following index numbers are given for the whole period since 1917, using the earlier method, but excluding central electric stations, for the years 1917 to 1923, and the new index, transposed to the 1917 base, from 1923 to 1931: 1917, 100·0; 1918, 102·0; 1919, 98·1; 1920, 95·0; 1921, 86·1; 1922, 96·0; 1923, 104·8; 1924, 102·9; 1925, 112·7; 1926, 128·1; 1927, 136·5; 1928, 148·8; 1929, 157·5; 1930, 142·8; 1931, 124·1.

Consumption of Manufactured Products. One of the beneficial results of placing the classification of external trade and of production upon a common basis is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from the statistics of the two important fields. For example, the value of all manufactured commodities made available in a period approximately corresponding to 1931 was \$2,771,905,484, a figure obtained by salding to the value of manufactured products in 1931 the value of the imports of manufactured and partly manufactured goods during the fiscal year ended Mar. 31, 1932, and deducting the value of the corresponding exports for the same period. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the materials worked upon in another. Iron, vegetable, wood and paper, textiles and animal products were, in that order, the leading groups in the value of finished goods made available for consumption. The large amount of manufactured vegetable products made available for consumption was due to the large domestic production, as the exports and imports were about equal, while manufactures of textiles and iron and steel products, in addition to a large production, showed an excess of imports over exports of \$60,000,000 for textiles, and \$79,000,000 for iron and steel products. Wood and paper, animal and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups of commodities.

6.—Consumption of Manufactured Products, by Groups, 1931, with Totals for 1922-30.

Nord Statistics of manufacturing production are for the calendar year. Imports and exports of manufactured goods are for the fiscal years ended Mar. 31 of the following years.

and the second	Value of	Manufacture Manufactur	Manufactured		
Group of Industries	Products Manufactured.	Value of Net Imports.	Value of Domestic Exports.	Products Available for Consumption.	
	\$		\$		
Vegetable products Animal products Textiles and textile products Wood and paper products jron and its products Non-ferrous metal products Non-metallic mineral products. Chemicals and allied products Miscellanums initiatries Control of the products	320, 803, 456 317, 158, 670 484, 237, 930 374, 725, 068 211, 862, 412 181, 431, 906 105, 501, 905 45, 350, 322	64,310,111 30,718,413 94,150,028 30,181,126 36,478,324 30,437,298 39,926,420	54, 761, 421 38, 825, 484 4, 968, 499 162, 778, 740 15, 457, 135 44, 714, 875 4, 758, 161 10, 535, 938 10, 597, 229 2, 770, 022	296, 845, 348 376, 500, 282 352, 177, 603 453, 417, 961 197, 328, 659 213, 152, 069 125, 404, 165 74, 679, 543	
Totals, 1931 Totals, 1938 Totals, 1929 Totals, 1928 Totals, 1927 Totals, 1926 Totals, 1925 Totals, 1924 Totals, 1924 Totals, 1923 Totals, 1922	3,128,970,628 4,029,371,310 3,738,481,728 3,391,713,270 3,221,769,231 2,948,545,315 2,695,053,582	675, 919, 565 939, 226, 891 954, 468, 018 825, 147, 949 767, 022, 008 671, 162, 940 576, 031, 243 639, 343, 645	350, 166, 608 491, 561, 750 690, 961, 225 702, 311, 797 618, 178, 000 673, 709, 266 695, 325, 245 591, 528, 479 591, 829, 306 515, 173, 415	3,610,328,443 1,277,691,009 3,990,637,949 3,571,683,189 3,341,581,973 2,924,683,010 2,679,485,346 2,828,679,853	

For 1928 to 1931 foreign products imported and later re-exported are eliminated from the value of products available for consumption, but for 1927 and previous years this was impossible since foreign exports for these years had never been analyzed as raw materials or purity or fully manufactured goods. Therefore in this table the value of manufactured products made available for consumption, for the years 1922 to 1927 inclusive, is an overstatement by the amount of the foreign exports of manufactured goods in each year, probably varying from about \$11,000,000 in 1922 to \$18,000,000 in 1922.

Section 2.—Production of Industrial Groups and Individual Industries.

One of the factors in the progress of Canada is the possession of many natural resources favourable to industrial growth. It is upon the country's agricultural resources, forests, minerals and wild life that Canada's industries are mainly based. The sea and lake fisheries also make an important contribution of raw materials to the manufacturing industries of the Dominion. Nevertheless, the industrial development of Canada was a matter of small beginnings and gradual growth over a period of many years, and the comparatively small home market, restricted at the present time to a population of about ten millions, a large part of it in scattered agricultural areas, is still one of the difficulties of the situation. Yet Canada is now not merely the second largest manufacturing country in the British Empire; her exports to the other Dominions consist largely of manufactured goods and her exports of manufactured and partly manufactured goods to the United States exceed the exports of raw materials. The rate at which this movement is to continue will depend almost entirely upon growth within the Dominion-upon the further development of the many-sided physical assets of the country.

Subsection 1.-Manufactures Grouped by Chief Component Materials.

A classification based on the chief component materials in the various products of each manufacturing establishment was applied for the first time in the compilation of the returns for 1920. The number of groups was reduced from fifteen to nine to correspond with the external trade classification and the classes of industry were somewhat altered to conform with recent industrial developments. Subsequently the central electric stations industry was taken out of the miscellaneous class and now forms a class by itself.

Vegetable Products.—Though first in value of gross production in 1931 this group ranked only fourth in the number of people employed and salaries and wages paid. With the exception of rubber, coffee and spices, sugar factories, and rice mills, the industries of this group are dependent mainly upon domestic farm products for their raw materials. They produced in 1931, 19-8 p.c. of the total manufacturing production and employed 13-9 p.c. of all persons engaged in manufacturing industries.

The flour-milling industry is the leading industry of the group from the point of view of gross value of products. This industry, which has existed to meet the domestic needs for more than 300 years, is one of the Dominion's oldest manufactures, but it is only within recent times that its progress has become spectacular. The war and the demand it created gave a great impetus to this trade. The 372 flour mills, many of them of the most modern type and highest efficiency, have a capacity far in excess of Canada's demands. During 1928, productive capacity reached about 121,000 barrels per day. Since then, the industry has been adversely affected by the difficulties which beset the Canadian grain trade and the great

decline in the prices of grains. Exports of wheat flour declined from 10,737,266 barrels in 1928 to 5,697,224 barrels in 1931, but in spite of the decrease, Canada continues to be one of the leading exporters of wheat flour.

The rubber industry is another industry of importance in the industrial life of the country. Canada now ranks among the leading countries of the world as a manufacturer of rubber goods. In 1930 she was the fifth largest importer of raw rubber in the world, ranking after the United States, the United Kingdom, France and Germany. In 1931, however, Japan and Russia were also ahead of Canada in the imports of raw rubber. Existing plants in 1931 numbered 48 and represented a capital investment of \$67,446,955, including equipment and working capital. These plants furnished employment to 12,158 persons who received \$11,708,387 in salaries and wages and produced goods valued at \$52,691,230. They also used raw materials to the value of \$17,630,081, mainly imported from tropical countries. The rubber industry also forms an adjunct of considerable importance to the cotton yarn and cloth industry, which supplies tire fabrics. The industry, besides supplying the domestic market, contributes materially to the exports trade of Canada. The products find their way to the remotest parts of the world, as a glance at the list of countries to which rubber tires are shipped would show. Spain, Peru, Dutch East Indies, Portuguese Africa and China are but a few of the far-flung countries into which Canadian tires find their way.

The fruit and vegetable preparations industry, which includes canned fruits, canned vegetables, pickles, vinegar, jams, etc., comprises another large division of this group. In 1931, this industry reported an output valued at \$32,572,580, a capital investment of \$48,152,325 and an employment of 6,329 persons, who received \$4,509,377 in salaries and wages. The development of the cannel foods trade has affected great changes in the relation of foods to seasons. Fruits and vegetables of many kinds are to be had at all times of the year with much of their original freshness and flavour. The producers in the country are provided with an enormously extended market and the consumers in both city and country with cheap and wholesome food in great variety. The industry has made rapid strides in the past few years. During the period of 1923-31 the volume of fruit and vegetable preparations produced increased 105.0 per cent. This growth is indeed remarkable, as it represents a corresponding increase in the domestic demand for these products, the foreign trade being relatively small as compared with the domestic production. Imports in 1931 were valued at \$4,315,979 and exports at \$2,651,722. According to these figures, the industry supplies about 95 p.e. of the domestic requirements.

The sugar-refining industry is also of substantial importance. The demands created by the war gave it a great impetus. All things considered, 1919 was a record year. The number of persons employed (3,491), the value added by manufacture (\$16,321,882) and the exports (\$22,953,135) were the highest recorded, while the volume of sugar manufactured was only 10 p.c. lower than that of the peak year 1925, when 11,714,967 cwt. was produced. Since 1925, however, exports of sugar have declined with the result that production and employment slackened 68937—2}

considerably. In 1931, the 8 sugar refineries reported a capital investment of \$37,691,433 and a value of production of \$43,962,061. They also employed 2,265 persons, who received \$3,307,730 in salaries and wages, and paid out \$29,196,494 for materials. Exports of sugar in 1931 amounted to 149,384 cwt. valued at \$728,825.

The beverage industry—breweries, distilleries and wineries—which are important elements of the vegetable products group, have expanded from a production of \$30,000,000 in 1922 to \$65,000,000 in 1931, owing partly to the modification of prohibition laws in Canada and also to the fact that a large part of their production is exported directly or indirectly to the United States. The tobacco industry, another important factor in the vegetable products group, had a total production in 1931 of nearly \$75,000,000 and a payroll of 9,091 persons, who received \$8,096,769 in staries and wages.

Animal Products.—Production in this group is determined, in large measure, by the demand at home and abroad for Canadian butter, cheese, canned fish, fresh or frozen meats, bacon and hams, condensed and evaporated milk, etc.

The leading industry of the group is that of slaughtering and meat packing, with a value of production in 1931 of \$117,596,697. Next comes butter and cheese, with a value of \$95,728,398. These two industries produced about two-thirds of the production of the entire group.

The butter and cheese industry, which manufactures a product of farm animals, has been for many years of leading importance in Canada. Originating in the agricultural districts of the Maritime Provinces, the Eastern Townships of Quebec, and the southern counties of Ontario, it is now developing rapidly in the Prairie Provinces and in the more recent northern settlements of Quebec and Ontario. For an industry so large in the aggregate, it is unique in having shown very little tendency toward consolidation in large units, the gross production of \$95,728,398 coming from no fewer than 2,676 plants, mostly small and scattered at convenient points throughout the farming communities.

The leather industries have long been established on a considerable scale, mainly, of course, because the large number of cattle raised and slaughtered provide a ready supply of hides. There are large tanneries in the eastern provinces, and no fewer than 184 boot and shoe factories were in operation in 1931, chiefly in Quebec and Ontario, representing a total capital of nearly \$26,000,000 with an annual output of nearly \$37,000,000 and employing 14,150 men and women. The canning and preserving of fish also calls for reference. Concentrated naturally upon the Pacific and Atlantic coasts, 662 establishments were engaged in 1931 in canning, curing and packing of various kinds of fish that were valued at nearly \$19,000,000.

Textile Products.—The output of textiles in 1931 was valued at \$317,158,670. The establishments classified in this group which numbered 1,955 represents a capital investment of \$352,344,073; they furnished employment to 105,473 persons who were paid \$92,504,088 in salaries and wages and also spent \$153,191,375 for conveniences.

In not production, i.e., in value added by manufacture, which is a truer criterion than gross production of the place of the group in the industrial life of the country, the textile group was fourth in 1931 among the ten major groups shown in the Census of Manufactures on page 9, being exceeded only by the wood, vegetable and iron and its products groups. Textiles accounted for over 11 p.c. of the net manufacturing production of Canada. As an indication of the contribution which the textile group made in 1931 to the employment in the Dominion, the group stood second in the number of employees and third in salaries and wages paid, with nearly 19 p.c. of the total employees in manufacturing and 15 p.c. of the total salaries and wages paid. Again this wide group of textiles may be regarded as two distinct divisions: (1) the spinning, weaving and knitting trades, and (2) the finishing trades. If so regarded, the first division assumes the proportions of a very large industrial group with a gross production for 1931 of \$148,420,061, while the second division is still larger with \$168,738,609 for gross production.

The hosiery and knitted goods industry is worthy of special mention. From the standpoint of the value of production the hosiery and knitted goods industry ranked second in the textile group in 1931. Despite the depressed condition of the textile industry generally, the volume and value of production in this branch of the industry held up remarkably well, the value of production being \$11,742,357 or 19.7 p.c. lower than the peak year of 1929. Employment also declined by 1,350 or 7.1 p.c. Due to the drastic declines in the value of raw materials with the consequent declines in the value of finished products, the latter figure is a better criterion of the recession experienced by this industry since 1929.

The production of hosicry of all kinds in 1931 ranked first in importance with an output valued at \$20,926,798. Next in order came underwear, combination and separate garments with a value of \$12,861,580. Various other knitted and waven goods accounted for \$11,304,313, while yarns and numerous small sundries made up the balance.

The industry is located chiefly in the province of Ontario, the 106 establishments located there produced \$32,132,789 or almost 70 p.c. of the entire output. The province of Quebec followed with an output of \$12,875,158 or 27 p.c. of the total.

Other important industries of this group with their numbers of employees and values of production are as follows:—women's factory clothing (products \$54,140,770; employees 15,648), cotton yarn and cloth (products \$43,136,423; employees 15,802), men's factory clothing (products \$33,950,083; employees 9,701), dyeing, cleaning and laundry work (products \$21,024,684; employees 11,772); men's furnishing goods (products \$20,978,478; employees 8,139), silk (products \$18,187,492; employees 6,273), woollen cloth (products \$13,105,533; employees 4,577) and hats and caps (products \$12,037,652; employees 3,679).

The outstanding feature of the textile situation in Canada was the spectacular expansion of the silk industry during the past few years, at a time when practically all other industries were experiencing a diminishing demand for their products. Compared with 1926 this industry increased its output by \$9,680,339 or 114 p.c. and furnished employment to 3,850 mere people.

Reports were received from 1,955 establishments in the textile industries in 1931, an increase of sixty-nine over the number reporting in 1930. They reported a gross value of production of \$317,158,670, a decline of \$44,656,063 or 12·4 per cent from the previous year. This, however, was largely caused by the lower values of raw materials and finished products, for the index of the physical volume declined only by 2·2 per cent from 105·6 in 1930 to 103·2 in 1931. (In this instance, the year 1926 is taken as the base of 100). The amount of capital invested in 1931 amounted to \$352,344,073, a decrease of \$16,223,570 or 4·4 per cent. There were 105,473 persons employed who were paid \$92,504,088 in salaries and wages and in comparison with 1930 these figures represented decreases of 4,103 or 3·7 p.c. in the number of persons and \$5,399,088 or 5·5 p.c. in the amount of salaries and wages. The cost of raw and other materials used dropped to \$153,191,375, a loss of \$31,372,-490 or 17·0 per cent, while the value added by manufacture, \$163,967,295, declined by \$13,283,573 or 7·5 p.c.

Wood and Paper.—An outstanding feature of the general expansion of Canadian commerce since the opening of the century has been the change in the industries associated with forestry. Lumber output has shown wide fluctuations, being so largely dependent upon building and construction operations which are themselves subject to wide cyclical fluctuations. Furthermore, the increasing adoption of fireproof types of construction has resulted in a lower lumber consumption in proportion to the total building done. Thus the quantity of lumber sawn in 1911 has never since been equalled, the total being 4,918,000 M board feet compared with 2,497,553 M feet in 1931, the exports amounting to 35 to 40 p.c. of the total in each year. In contrast with this was the progress in pulp and paper production up to 1929. The census of 1881 recorded only 36 paper and 5 pulp-mills in existence in Canada. In 1929 there were 108 pulp and paper mills, consuming more than 5.278,422 cords of pulpwood in the year and using hydro-electric power to the value of over \$13,000,000. Production of wood pulp in 1917 was 1,464,308 tons and in 1929, 4,021,229 tons. Production of newsprint in 1917 was 689,847 tons, in 1921 805,114 tons, in 1923, 1,252,000 tons, and in 1924, 1,388,081 tons, while in 1930, the production was 2,725,331 tons. Since the peak year of 1929 there have been decreases in all these items. Pulp wood used decreased by ten per cent in 1930 and thirteen per cent in 1931 to 4,148,279 cords. Production of wood pulp decreased by ten per cent in 1930 and twelve per cent in 1931 to 3,167,960 tons. Production of newsprint decreased by eight per cent in 1930 and eleven per cent in 1931 to 111,-411,637 tons. Canadian production of newsprint in 1931 exceeded that of the United States by 92 p.c. Canada occupies first place among the countries of the world in the production of newsprint paper.

Iron and Its Products.—The manufacture of iron and steel and their products is one of Canada's basic industries. Iron ore is not now produced in Canada, as the known deposits, though extensive, are not of sufficiently high grade to permit economic recovery under present conditions. Yet there has been built up a primary steel industry of considerable importance, and the secondary or fabricating industries have been expanding steadily to meet the country's increasing requirements.

There are now four concerns which make pig iron in Canada, one being in Nova Scotia and three in Ontario. The former uses Nova Scotia coal and iron ore from the great Wabana deposits which it controls, on Bell island, Newfoundland, while the Ontario works are dependent on foreign ore and coal, which are brought from the United States. These companies have blast furnaces with a rated capacity of 1.5 million tons of pig iron per annum, but the highest tonnage yet attained was 1,080,160 long tons in 1929. Open hearth steel furnaces and rolling-mills are also operated by these companies, which produce steel ingots, blooms and billets, bars, rods, rails, structural shapes, plates, sheets, rail fastenings, etc. Including electric steel furnaces, there were 28 steel plants in operation in 1931, which, with the 19 rolling mills, 4 pig iron plants and 2 ferro-alloy plants, represented a capital of \$104,500,000 and employed 8,026 hands to produce primary products worth \$36,911,245.

Among the secondary industries, the production and maintenance of railway cars, locomotives and parts is of first importance. In 1931 there were 38 plants for this purpose, and 21,773 workers were employed. The value of products was \$67,865,070, which was \$37,000,000 lower than in 1930.

Automobile manufacturing is one of Canada's largest industries with 9,545 employees, products valued at \$59,674,345 and a capital investment of \$59,638,057 in 1931. This was not a representative year and the figures are hardly indicative of the real importance of the industry. In 1929, for instance, 16,435 people were employed in the 17 plants then in operation and cars and parts worth \$177,315,593 were produced for the home and export markets. Recently a number of new auto and truck factories have been established in Canada, so that there are now 26 factories in operation, with a yearly capacity of about 400,000 vehicles.

The export trade in automobiles and parts reached its peak in 1929, when cars and parts worth \$47,005,671 were shipped to other countries. In 1931 this market declined to \$6,621,510.

There are also numerous works for the manufacture of machinery, agricultural implements, sheet metal products, foundry products and similar articles of iron and steel, and the variety of products made in these establishments is increasing yearly.

Non-ferrous Metals.—Rapid development of Canada's resources in the field of non-ferrous metals, the completion of large electric power projects and the more extensive use of electrial equipment, has led to a spectacular increase in this group of manufactures in recent years. The importance of the non-ferrous metals as a factor in Canada's economic life may be judged by the fact that in 1931, in a year of depression and declining prices, the output of the 455 works reached a value of \$211,862,412. This compares with \$250,458,721 in 1930 and \$183,501,723 in 1926. Capital invested in these factories in 1931 was \$318,395,983, and the number of employees was 34,414.

The production of electrical apparatus is eighth in importance among all manufacturing industries and growth has been rapid in the last few years. From a

value of \$51,000,000 in 1923 the output advanced to \$113,796,002 in 1929 and then suffered a decline in 1930 and again in 1931 to \$81,578,595. Capital has advanced in the same period from \$65,077,942 to \$100,057,945 and employees from 13,268 to 18,207. A total of 163 plants were engaged in this line of manufacture in 1931. Radio has contributed a great deal to this growth, the output in 1931 being 234,883 receiving sets worth \$13,083,614 at factory prices.

The smelting and refining of non-ferrous metals has also shown a rapid gain. In 1931 the 14 smelters or refineries in operation reported a capital investment of \$175,669,195 and employed 7,860 workers. The value of smelter and refinery products was \$98,565,755, including aluminium, nickel, cobalt, blister copper, electrolytic copper, zine, lead, silver, gold, cadmium, bismuth, platinum, palladium and other refinery products.

Exports of non-ferrous metals and their products reached nearly \$75,000,000 in 1931.

Non-Metallic Minerals.—This group of manufactures includes such leading industries as coke-making, oil refining, the manufacture of glass, artificial abrasives, bricks, cement, etc. Final figures for 1931 show that the output for this group amounted in value to \$181,431,906, which is 16.3 p.c. below the corresponding total for 1930.

The petroleum-refining industry is by far the largest of the group. Canada produces some crude oil, but the bulk of the oil treated in Canadian refineries is imported from United States or South America. In 1931 there were 20 refineries operating at advantageous points across the Dominion. These units used 1,062,690,778 gallons of crude oil in that year and produced refined commodities worth \$75,588,425. About 4,058 people were given employment and the capital investment was \$67,288,556.

Chemicals and Allied Products.—That chemical manufactures occupy an important place in Canadian industry is apparent from the fact that in 1931 an average of 15,207 persons were employed in the 621 plants which made chemicals and allied products. These plants produce the greater part of the chemicals that are consumed in this country. In 1931 the apparent consumption of chemicals and allied products amounted in value to \$125,600,000, of which \$105,500,000 or 84 p.c. was of domestic manufacture.

Chemicals and like products of great diversity are made in Canada, but paints, soaps, medicinals, acids and chemical salts are most important. Production from the 14 plants in the heavy chemical industry, which represents a capital of \$45,000,000, amounted to about \$11,000,000 in 1931 and in 1929 was up to \$28,000,000. Acctic acid, calcium, cyanamide, sodium cyanide, caustic soda, soda ash, sulphuric acid, phosphorus, calcium carbide and nitre cake are among the leading products. The export trade in these commodities amounted to about \$11,000,000 in 1931.

The paints industry employed 2,780 workers in 1931 and paid \$4,281,861 in salaries and wages. Production in that year was valued at \$18,536,463. The soap industry is next in importance, there being 69 factories in this line of manufacture,

with output worth \$17,047,452. The production of medicinals and pharmaceuticals was worth \$18,110,794 and 2,866 people worked in the 144 factories in this industry. Compressed gases, fertilizers, coal-tar products, wood-distillation products, inks, adhesives, polishes, and a multitude of other such products are also made in the chemical plants.

Many chemical products are also made in industries which for statistical purposes are not included in the chemicals and allied products group. For instance, pulp and paper, distilled liquors, brewery products and artificial abrasives are classified in other groups. By extending the scope of the chemical industry to include these other factories, which primarily use chemical processes, approximately 60,000 workers would be employed and production would total over \$400,000,000.

Central Electric Stations.—This industry is shown under the totals by groups in Table 7 as a separate group in order to facilitate the presentation of statistics of power installed in the other groups and industries.

The principal statistics of each of the manufacturing industries of Canada during 1931 are presented in Table 7 on pp. 26 to 31.

7.—Statistics of the Numbers, Capital, Employees, Salaries and Wages, Cost of

				Sa	laried Em	ployees.
No	Group and Kind of Industry.	Establish- ments.	Capital Employed.	Male.	Female.	Salaries.
		No.	\$	No.	No.	\$
	Canada	24,501	4,961,312,408	77, 576	22,222	186,810,794
1 2 3 4 5 6 7 8 9	New Brunswick. Quebec Ontario Manitoba Sisskatchewan. Albertu	290 1,449 872 7,505 10,140 955 768 886 1,636	4,019,288 129,824,727 128,859,472 1,662,811,076 2,285,361,451 191,935,311 68,547,866 107,427,603 382,525,614	226 2,012 1,482 22,455 38,744 3,587 1,890 2,182 4,998	42 491 407 5,508 12,929 957 308 445 1,135	237, 212 3, 656, 169 3, 245, 726 52, 855, 489 98, 984, 998 8, 580, 342 3, 402, 561 4, 543, 276 11, 305, 111
1 2 3 4 5 6 7 8 9	Textiles and textile products. Wood and paper products. Iron and its products. Non-ferrous metal products. Non-metallic mineral products. Chemicals and chemical products. Miscellaneous industries.	24,501 5,283 4,430 1,955 7,767 1,243 455 1,272 621 464 1,011	4,961,312,468 545,387,574 217,441,415 352,344,073 1,053,064,435 676,270,362 318,305,983 328,873,782 163,863,072 75,682,761 1,229,988,951	77,576 11,237 8,375 7,170 18,864 11,909 5,643 3,347 3,599 1,878 5,554	3.014 1.838 3,493 4,879	188,810,794 25,449,562 15,584,990 20,448,227 43,248,771 31,759,379 15,173,712 7,811,964 10,220,213 4,766,554 12,347,422
12 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Brewd and other bakery products. Breweries Coffee, tea and spices Distilleries. Flour and feed mills. Foods, breakfast. Foods, stock and poultry. Feeds, miscellaneous. Fruit and vegetable preparations Ice cream cones. Linseed oil and oil cake. Macaroni, vermicelli, etc. Mait and malt products. Rice mills Rubber goods, including footwear. Starch and glucose. Sugar refineries. Tobacco, eigars and cigarettes.	5,283 282 2,912 80 59 23; 1,265; 13 38 60 278 8 14 4 48 6 8 8 105 61	545, 387, 574 51, 530, 441 54, 267, 110 63, 140, 211 13, 500, 650 55, 883, 010 61, 090, 192 4, 043, 014 2, 519, 277 8, 441, 434 48, 152, 325 657, 441 2, 690, 475 1, 847, 708 7, 578, 539 817, 788 67, 446, 955 5, 200, 537 37, 691, 433 50, 194, 202 8, 685, 821	11,237 1,927 1,893 850 396 260 1,602 211 115 201 608 11 38 34 69 177 1,371 70 247 1,340	139	25, 449, 562 4, 575, 617 2, 927, 992 2, 445, 562 1, 225, 651 1918, 931 2, 271, 667 204, 752 277, 351 578, 046 1, 281, 808 107, 809 58, 455 160, 725 55, 071 3, 209, 048 247, 587 3, 340 1, 23, 340 1, 247, 587 3, 3, 3, 46 3, 698, 417 242, 407
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Belting, leather. Boot and shoe findings, leather. Boots and shoes Butter and cheese. Condensed milk. Fish curing and packing. Fur dressing and dyeing. Fur goods. Gloves and mittens, leather. Hair goods, animal. Hair goods, human. Harness and saddlery. Leather goods, n.c.s. Leather tanneries. Sausage and sausage casings. Slaughtering and meat packing.	47 3 3 175 41	217, 441, 415 88, 573 I, 189, 502 1, 320, 897 25, 844, 168 52, 381, 144 7, 580, 884 19, 085, 513 1, 080, 951 12, 131, 475 2, 780, 599 172, 882 22, 139 22, 139 3, 526, 522 1, 253, 024 62, 481, 905 62, 481, 905 2, 434, 924	8,375 237 477 991 3,677 160 487 70 415 136 6 189 75 5 255 40 1,766	1,838 12 4 375 683 54 53 7 157 40 2 2 - 26 36 61 9 300	15, 584, 990 4, 181 107, 784 110, 097 2, 576, 359 4, 734, 432 394, 977 692, 270 196, 870 1, 059, 214 268, 295 10, 782

Materials and Value of Products of Canadian Manufacturing Industries, 1931.

Employees on Wages.					Value of Products.			
Male.	Female.	Wages.	Power Installed.	Cost of Fuel Used,	Cost of Materials.	Gross.	Net.	
No.	No.	\$	H.P.	\$	\$	\$	\$	
351,553	103,075	437,734,767	7,418,0561	48,642,568	1,223,880,011	2,698,461,862	1,474,581,851	
660 11,529 9,281 109,356 167,937 16,437 3,479 7,949 24,925	2,143 1,937 43,489 50,129 3,212 384 1,222	571, 910 11, 225, 504 9, 461, 171 134, 507, 075 214, 691, 392 22, 125, 867 4, 144, 142 9, 670, 477 31, 337, 229	9, 234 239, 234 226, 813 3, 010, 637 2, 384, 883 426, 714 146, 948 175, 458 798, 145	113, 206 2, 277, 704 1, 719, 539 13, 140, 836 21, 702, 807 1, 918, 174 1, 142, 912 3, 031, 324	2, 349, 367 33, 288, 250 25, 631, 856 369, 044, 132 597, 879, 792 55, 149, 392 22, 540, 618 36, 090, 169 81, 906, 435	4, 136, 576, 70, 679, 503, 55, 209, 818, 849, 154, 353, 1, 312, 400, 828, 118, 540, 865, 44, 205, 151, 68, 367, 411, 175, 707, 357	1,787,209 37,391,253 29,577,962 480,110,221 714,521,036 63,391,473 21,724,533 32,277,242 93,800,922	
51,563 43,654 31,543 31,543 88,153 78,776 22,926 20,312 7,748 8,668 9,996	19.801 9.541 56.034 9.776 2.288 3.980 518 2.466 1.671	437,731,767 53,572,953 35,685,513 72,055,861 97,100,335 89,000,552 30,937,661 24,407,318 10,647,735 10,367,305 13,959,534	10,005,477° 322,401 98,892 186,952 2,126,398 589,261 424,738 212,179 96,893 56,963 5,890,803	48, 642, 568 8, 069, 074 2, 668, 229 3, 295, 919 7, 020, 572 3, 006, 827 10, 447, 475 1, 313, 134 352, 495 1, 892, 252	1,223,880,611 260,604,562 214,743,508 453,191,375 192,379,915 170,754,886 95,342,788 78,945,766 40,756,550 17,169,861	2,698,431,862 535,079,463 320,803,456 317,158,670 484,237,930 374,725,068 211,862,412 481,431,906 105,501,905 45,330,322 122,310,730	1,471,591,851 27,471,901 16,05,948 168,467,295 291,858,07,382 116,519,624 102,486,146 64,745,355 28,189,461 122,310,730	
43, 654 4, 265 3, 755 3, 656 637 1, 768 3, 768 272 163 3, 768 2, 519 49 183 103 185 49 7, 341 1, 341 403 1, 856 2, 757 2, 282	5,336 2,186 467 462 124 126 122 242 2,931 13 85 1 1 1 -	53, 572, \$53 6.317.019 15.934.612 4.155.96 1.025, 452 1.314.525 458.852 167.342 555.437 3.227.559 191.568 287.452 53.407 8.499,339 413.555 2.372.384 4.398,352 284,276	322, 401 23, 491 15, 663 24, 669 3, 130 9, 786 116, 757 3, 822 2, 620 4, 238 14, 939 67 1, 93) 1, 546 5, 316 3, 755 64, 329 4, 480 21, 554 2, 756 918	6,063,074 5015,402 1,621,804 532,325 44,312 345,176 457,015 76,812 12,565 108,363 331,774 20,336 21,228 8,775 195,602 62,903 156,412 993,340 91,485 26,690	17.630,081 2,065,861 29,196,494 21,448,879	\$35,079,463 49,285,042 64,818,227 49,055,739 21,987,257 13,055,77 195,728,540 6,300,388 2,910,915 9,410,231 32,572,580 3,951,761 1,195,987 4,110,314 1,327,810 4,980,136 43,962,061 74,926,154 3,276,847	29,077,384 30,198,451 31,786,050 7,602,416 7,592,218 23,956,743 4,120,570 1,111,073 4,258,256 13,904,489 962,638 615,556 1,747,755	
31,543 199 7,841 7,333 53 2,807 582 1,264 2,614 233 6,416 366	51 4,923 272 34 7,921 2,98 1,042 7,85 6,48 331 81 133 81,81	35, \$85, \$13 43, 817 93, 516 178, 380 9, 763, 924 7, 525, 88, 907 2, 069, 153 589, 994 2, 434, 983 814, 486 13, 410 5, 6552 372, 022 464, 486 2, 522, 484 262, 198 7, 663, 568 330, 471	98,892 98 394 1,887 7,515 27,940 3,943 10,387 436 333 115 607 140 13,169 521 29,740	2,648,229 3,464 6,820 13,633 102,887 1,006,410 278,094 273,800 9,648 25,093 11,505 2,047 ————————————————————————————————————	34, 746 292, 076 460, 905 17, 949, 804 64, 661, 837 4, 903, 862 211, 929, 834 251, 603 8, 695, 159 1, 557, 242 41, 773 6, 096 768, 889 972, 083 9, 365, 422 1, 133, 099 91, 276, 842	65, 283 568, 442 1, 070, 522 36, 025, 562 95, 728, 498 8, 754, 002 18, 822, 893 1, 571, 740 14, 246, 993 3, 123, 370 86, 913 16, 409 1, 582, 282 2, 051, 632 15, 778, 789 1, 773, 939 117, 596, 697	276, 366 609, 617 18, 675, 761 31, 968, 561 3, 850, 146 6, 906, 656 1, 320, 137 5, 641, 834 1, 566, 128 45, 144 10, 312 813, 392 1, 079, 256 640, 844 26, 319, 852	

¹ Exclusive of purchased power. ² Including purchased power.

7.—Statistics of the Numbers, Capital, Employees, Salaries and Wages, Cost of

No.	Crown and Kind of Yadusters	Establish-	Capital	Salaried Employees.			
Z	Group and Kind of Industry.	ments.	Employed.	Male.	Female.	Salaries.	
		No.	\$	No.	No.	\$	
- 1	Awnings, tents and sails. Bags, cotton and jute. Batting and wadding. Curpets, mats and rugs. Clothing, factory, men's, Clothing, factory, women's. Cordage, rope and twine. Corsets. Cotton and wool waste. Cotton textiles, n.e.s. Cotton thread. Cotton thread. Cotton yarn and cloth. Dyeing and finishing of textiles. Dyeing, cleaning and laundry work. Flax, dressed. Furaishing goods, men's. Gluves and mittens, fabric. Hats und cups. Hosiery and knitted goods. Linen goods and other flax products. Miscellameous textiles, n.e.s. Oiled und warternoof clothing.	1,955	352,311,073	7,170		2),448,227	
2	Bags, cotton and inte	55 25	1,769,132 5,491,207	96 95		484,866 310,604	
3	Batting and wadding	6	1,366,925	13	4	58,934	
4	Carpets, mats and rugs	21	7,245,414 21,599,392	155		426,882	
5	Clothing, factory, men's,	180 471	21.599.392	987 1,226	374 788	2,475,522 3,783,363	
7	Cordage, rope and twine	12	11,016,184	81		291, 278	
8	Corsets	20	4.812.464	130		374,000	
9	Cotton and wool waste	14	813,063	27	13	81,750	
10	Cotton throad	34	1.943,741 4.036,204	66 64		172, 251 188, 244	
12	Cotton varn and cloth.	34	74.023.179	405	109	1, 171, 278	
13	Dyeing and finishing of textiles	19	4,705,396	100		296, 212	
14	Dyeing, cleaning and laundry work	407	25,621,564	824	465	2. 174. 277	
15	Furnishing goods, men's	167	90.358	532	250	2.425 1.564.619	
17	Glaves and mittens, fabric	9.	1.019.082	18	10	45.132	
18	Hats and caps	144	6.935.142 57.173,774	368	166	944.962	
19	Linux goods and other flux products	161	57, 173, 774 571, 518	809		2, 862, 471 26, 438	
21	Miscellaneous textiles, n.e.s.	12	15, 128, 638	224		616,813	
	Oiled and waterproof clothing	19	855.145	35	18	80.280	
23	Silk and artificial silk	23	32,205,207	427	186	1,212,984	
25	Woodlen goods n.e.s	54 23	22,027,056 7,532,239	327 80	103	863, 112 259, 582	
26	Miscellaneous textiles, n.e.s. Oiled and waterproof clothing Silk and artificial silk Woollen cloth Woollen goods, n.e.s. Woollen yarn	28	6,281,965	67		179,948	
	4. Wood and Paper Products	7, 767	1,053,064,435	18,864	4,879	43,248,771	
1 2	Beckeepers' and poultrymen's supplies	19	119.548 237,219	38	11	13,404 65,740	
3	Boat building	108	2, 186, 595	151		188,872	
4	Boxes and bags, paper	122	21, 562, 581	560	193	1,742,689	
5	Blue printing Boat building Boxes and bugs, paper Boxes, wooden Carriages, wagons and sleighs Carriage and wagon materials	131	9,545,101	312	48	594.104	
5	Carriages, wagons and sleighs	247	4.068.077 400.786	298 10		292.301 20.309	
8	Clothes pins	3	279, 693,	6		15,030	
9	Clothes pins Coffins and caskets. Cooperage	35	3.685.003	108		257.513	
10	Cooperage Engraving, stereotyping and electrotyping.	73 75	1,986,815 9,189,817	86 409		127.370 1,266.278	
12			356, 618	16		23.364	
18	Excelsior Flooring, hardwood Furniture Lasts, trees and shoe findings Lithographing Miscellaneous paper products Miscellaneous wooden products Planing mills, sush and door factories.	26	7,946,538	138	32	348.063	
14	Furniture	372	36,657,497	1.010		2,546,688 104,234	
15	Lists, trees and shoe undings	11	1,160,355 15,367,519	45 371	24 224	1.450.127	
17	Miscellaneous paper products	71	9, 487, 082	289		1,004,880	
18	Miscellaneous wooden products	161	5,554,016	240		340,758	
19	Printing und book binding	673 971	40,790,104 36,832,215	1.374 2.221	222 574	2,389,448 5,196,510	
21	Planing mills, sash and door factories Printing and hookbinding Printing and publishing.	764	65, 573, 014	5.600		12,626,269	
22	Pulp and paper	103	630, 176, 540	2.665	505	7,858,839	
23	Roofing paper, wallboard, etc.	2 8 8 9	5.572.835	118		389,219	
24	Sporting goods	3,562	121,336,176 1,678,813	2.195	171	2,659,626 117,689	
26	Stationery and envelopes	40	6,056,962	239	122	670,341	
27	Trade composition	28	742.382	45		123.875	
28 29	Woodenware	15 39	1,324,977 1,822,744	50 68		120,699 105,508	
20	Proting and publishing. Pulp and paper. Roofing paper, wallboard, etc. Sawnills. Sporting goods Stationery and envelopes. Trade composition. Woodenware. Wood turning. All other industrics.	17	11,366,905	142		589.024	
	5.—Iron and Its Products. Agricultural implements. Automobiles. Automobiles. Bicycles. Boilers, tanks and engines. Bridge and structural steel work. Castings and forgings. Hardware and tools. Iron and steel products, n.e.s. Machinery. Primary iron and steel. Railway rolling stock. Sheet metal products. Wire and wire goods.	1,243	676,270.352	11,969	2,953	31,759,379	
1	Agricultural implements	57	84.501,405	840	224	2.084.734 4.288,009	
2 3	Automobiles	26 73	59.638,057 15.617.986	1.301	456 131	4,288,009 981,303	
4	Bievelea	3	2, 245, 458	12	4	29.822	
5	Boilers, tanks and engines	40	10, 833, 223	325	65	872,401	
6	Bridge and structural steel work	21	27, 469, 351	954		2,660,122	
7 8	Hardware and tools	333 134	95,377,318 29,988,116	1.756 567	486 225	4,710,798 1,627,548	
9	Iron and steel products, n.e.s.	69	4 831 990	279	49	667.590	
10	Machinery	172	62,752,673 104,512,104	1,621	482	4,093,403	
11	Primary from and steel	53 38	104.512,104 97,484,985	663 1,681		2,017,825 3,793,661	
13	Sheet metal products	157	52,352,956	1,139		2,812,199	
14	Wire and wire goods.	67	28, 665, 440	394		1,169,964	

Materials and Value of Products of Canadian Manufacturing Industries, 1931-con.

No. No. S	Em	ployees or	on Wages.	Power	Cost of	Cost of	Value of P	roducts.
183	Inle.	Female.	Wages.	Installed.	Fuel Used.	Materials.	Gross.	Not.
183	No.	No.		H.P.	\$	\$	8	8
293 515 597,785 580 5.138 412,152 721,782 319, 310 2.778, 58 580 5.138 412,152 721,782 319, 356 35, 662 40,072 11,234,832 2.232 58, 760 721 18,302,813 33, 950, 083 15, 587. 380, 973 54,140,770 23,184 33, 950, 083 15, 587. 38,080, 787 57,964,400 1,906 588 1,111 750,990 884 8,623 2,054,441 4,187,647 2,135 3,985,297 3,585,511 2,196 2233 470 489,357 543 15,582 1,379,166 2,555,067 1,185 3,908,33	38,778			181,952			317, 158, 673	163,987,295
866 22 97.785 589 5.138 44/2,152 771.782 319.96 4.128 4.212 7.109.940 1.668 60.721 18.348.21 2.7109.940 1.668 60.721 18.348.22 2.184 41.876 30.955.973 5.744.0770 23.184 588 1.111 75.900 884 8.623 2.054.44f1 4.187.647 2.384.44 1.976 30.950.44 11.951.20 386.977 2.3184 2.349.40 1.996.60 3.889.767 5.786.490 1.996.60 3.884.86 3.295.044.46f1 4.187.647 2.133.340 1.996.60 3.884.86 3.296.446f1 4.187.647 2.133.340 1.996.448 1.996.92 2.212.449 3.379.066 2.257 3.884.870 3.387.00 3.398.520 2.009.93 3.333.310 7.546.616 2.883.333 2.184.94 3.386.520 2.009.94 3.294.44 1.194.949 272 515 4.177 7.75.13 3.085.94 2.218.94 4.199.98.92 4.199.98.92 4.199.98.92 4.199.98.92 3.284.27			301,425	236	8, 130			778, 327
1.28			0 07 795	1,110				319,630
4, 128 4, 212 7, 109, 940 1, 688 60, 721 18, 302, 813 33, 950, 983 15, 587 588 275 798, 014 7, 540 25, 673 3, 898, 767 5, 796, 490 1, 96 88 1, 111 750, 900 884 8, 623 2, 054, 461 4, 187, 647 2, 133, 481 223 470 489, 357 543 15, 529 1, 379, 166 1, 285, 120 2, 368 1, 150 403 424, 604 1, 873 24, 430 1, 299, 332 3, 308, 520 2, 009, 40 6, 22 97 648, 709 3, 039 133, 310 754, 646 2, 893, 333 2, 134 4, 4 1, 19, 049 272 515 41, 477 77, 7, 513 3, 30 7, 9 230 174, 569 425 4, 578 373, 700 759, 341 394, 434 1, 286 1, 8, 80 2, 807, 751 1, 683 4, 67, 385 544 6, 894 1, 67, 385 544 6, 894 1, 74, 777 3, 322 <td< td=""><td>0.0</td><td></td><td></td><td></td><td></td><td></td><td>3 518 511</td><td>2,190.091</td></td<>	0.0						3 518 511	2,190.091
3,562 10,072 11,234,832 2,748 41,876 30,955,973 54,140,770 23,184,688 88 1,111 750,900 884 8,633 2,054,491 4,187,647 2,112,943 92 72 112,943 921 10,112 888,6101 1,285,120 386,639 150 4603 424,404 1,873 24,430 1,291,332 33,308,720 2,009,93 9,013 6,755 11,190,754 81,770 660,106 22,231,444 43,136,423 20,001,44 1,004 6,562 8,497,338 14,745 829,624 1,968,029 21,023,694 19,036,29 1,286 1,860 2,897,338 14,745 829,624 1,968,029 21,023,694 19,036,629 1,286 1,860 2,897,751 1,563 54,668 6,107,297 12,037,552 5,133 1,286 1,860 2,897,751 1,563 54,668 6,107,297 12,037,552 5,133 5,230 1,136 11,286,1099<		4.212	2 7.109.940	1.668	60.721	18.362.813	33.950.083	
588 2.75 798, 0.14 7.540 25, 673 3, 889, 767 5, 796, 490 1, 196 98 1, 111 759, 900 884 8, 623 2, 054, 461 4, 187, 647 3, 368, 397 1, 285, 120 386, 386 150 403 424, 604 1, 873 543 15, 529 1, 1379, 160 2, 233, 444 43, 316, 432 20, 904, 302 2, 009, 443 3, 030 133, 310 754, 616 2, 893, 333 20, 904, 444 1, 19, 044 1, 475 1, 196, 049 2, 022, 414 4, 19, 044 272 54, 501 1, 153, 872 20, 904, 43, 444 1, 19, 044 272 54, 501 1, 153, 872 20, 978, 489, 383 1, 186 1, 286, 18, 802 2, 907, 751 1, 683 4, 578 373, 700 759, 341 9, 433, 484 776 230 1, 14, 560 425 4, 578 373, 700 759, 341 365 5, 630 8, 76, 385 514 8, 168 1, 11, 154 47, 757, 703 25, 703 5, 530 22, 26, 624 4, 566, 011 1, 17, 181 3, 684, 854		10.072	2 11, 234, 832					23, 184, 797
92	588	275		7,540	25.673	3.889.767	5,796,490	
1, 150							4,187,647	2,133,186
150		12						386,511
9,013 6,275 11,190,754 81,770 669,106 22,231,449 43,136,423 22,904, 3,921 6,562 8,497,338 14,745 829,624 1,968,029 21,021,694 19,056, 44								9 000 188
6.22 97 648, 790° 3,039 133,310 751,016° 2,893,333 2,188,333 2,218,38 44 1 19,049 272 515 41,477 77,513 30,11 30,11 77,513 30,11 77,513 30,11 30,11 11,648 20,978,478 9,443 30,11 31,14 77,513 30,11 30,11 30,11 36,52 22,925 11,268 1,680 2,697,751 1,563 54,660 6,107,207 12,037,652 5,033 31 11,286,099 17,183 448,752 22,052,418 47,757,703 22,576 5,00 47,757,703 29,628 4,546,011 13,616 26,147,76 3,648,464 48,183,577 4,545 4,546 011 118 176,281 170 6,829 454,837 81,877 3,877 3,93 6,612,333 19,744 3,180 57,796 2,209,846 4,241 2,436 23,115 3,44 3,180 57,766 2,209,845 1,447 4,244 2,388 3,105,533 6,		8 275			667.106	22.231 449		20, 904, 974
44				3.039	133,310	754,646		2, 138, 687
1,004		6,562	8,497,338	14,745	829,624	1,968,029		19,056,655
79		0 010		272			77,513	36,036
1, 285 1, 860 2, 697, 751 1, 563 54, 668 6, 107, 297 12, 037, 652 5, 530 5, 230 11, 286, 099 17, 183 448, 752 22, 052, 418 47, 757, 753 25, 705, 705 184 8, 168 141, 023 325, 427 184, 183, 177 4, 515, 177 184, 183, 177 4, 515, 177 4, 515, 177 4, 515, 177 358 3, 632 2, 628 4, 548, 837 813, 777 4, 515, 177 358 3, 632 2, 628 4, 548, 837 813, 777 4, 515, 177 358 3, 632 2, 628 4, 548, 837 813, 777 4, 515, 177 358 4, 648, 183, 177 4, 517 358 4, 648, 183, 177 4, 517 358 4, 648, 183, 177 4, 518 481, 173 358 481, 177 4, 518 481, 177 4, 518 481, 177 4, 518 481, 177 4, 518 481, 177 4, 518 481, 177 4, 518 481, 173 481 2, 518 481, 173 481 2, 518 481, 173 481 2, 518 481, 173 481 2, 518 481, 177		0,303		1,872	21,001 4 579	373 700	750 341	9,443,605
5.230 11,1366 11,286,099 17,183 448,752 22,052,418 47,757,703 25,705 89 550 84 76,385 514 8,168 141,023 325,427 184 8,163,577 4,515 184 3,632 2,028 4,546,011 13,618 264,184 6,482,197 18,187,492 11,765 358 358 358 4,546,011 13,618 264,184 6,482,197 18,187,492 11,765 641 217,344,476 4,546,011 13,618 264,184 6,482,197 18,187,492 11,765 641 217,343,476 4,284,234 2,549 641 217,344,476 4,284,234 2,549 641 3,185 4,546,413 180 57,796 2,209,645 4,547,749 2,338 88,133 9,776 97,400,335 2,128,339 10,578,591 192,379,915 484,237,33 291,858 291,858 424 3,38,783 10,774,848 202,93 64,535 130,630 66 338,853 14,677 28,547 3,336,879 1,220,448 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>5,930,355</td></t<>								5,930,355
Sol			36 11,286,099				47,757,703	25,705,285
101	50	84	76,385	514	8.168		325.4271	184,404
3,032 2, 628 4, 546, 011 13, 616 264, 154 6, 482, 197 18, 187, 492 11, 705, 686 641 217 671, 552 8, 581 54, 897 1, 734, 476 4, 284, 244 2, 548 89, 153 9, 776 97, 100, 335 2, 186, 33 10, 578, 591 192, 379, 915 484, 237, 93 23, 388 89, 153 9, 776 97, 100, 335 2, 186, 33 10, 578, 591 192, 379, 915 484, 237, 93 29, 848, 848 24 - 33, 763 107 1, 480 110, 007 319, 386 920 412 6 337, 086 1, 259 8, 445 290, 627, 461 18, 668, 563 9, 041 1, 974 2, 082 3, 181, 993 5, 778 85, 202 9, 627, 461 18, 668, 563 9, 041 444 1 742, 822 2, 099 39, 640 481, 996 1, 927, 132 1, 457 71 - 69, 567 570 3, 761 119, 483 275, 687 156 411 3 314, 451 1, 961 13, 991 1, 005, 639 1, 949, 948 <	859		906,367		154,776		8.163.577	4,515.123
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641 217 671.552 8.581 54.897 1.734.476 4.284.244 2.549 2.338. 88,153 9,776 97,100,335 2.128,335 10,578,591 192,378,915 484,237,93 294,858,153 9,776 23.05 04 1.480 110,007 319.386 209 1.974 2.082 3.181.993 5.778 85,202 9.627.461 18.668.563 9.041 1.795.157 14.677 28.577 3.368.577 3.368.57 7.230.476 3.893 1.472.822 2.099 39.640 481.996 1.927.132 1.455.691 48.696.532 7.28 31 1.795.157 14.677 28.577 3.368.79 1.927.132 1.455.691 190.898 349.963 1.599.653 90 629.810 2.200 17.422 1.102.101 2.767.491 1.665. 1.532 425 3.032.730 2.273 44.305 1.384.691 7.398.496 1.899.155.15 1.552.704 8.02. 1.391.159.159 1.552			317 332			6 219 386		6,886,347
630 827 942,644 3,180 57,796 2,209,645 4,547,749 2,338,88,153 9,776 27,100,335 2,126,33° 10,578,591 122,379,915 481,237,93 291,858,63 209 412 6,355 130,630 319,386 209 412 6,355 130,630 319,386 209 412 6,355 130,630 319,386 209 209 412 6,355 130,630 319,386 209 209 412 6,355 130,630 66,355 131,630 66,356 61,11 412 422,2082 1,152,704 862 20,99 8,445 290,627,461 18,668,563 9,041 414 1,742,822 2,099 39,640 481,996 1,927,132 1,445 1,444 1,445 1,4			671.552		54,897	1.734.476	4,284,244	2,549,768
24 — 23, 105 64 2,020 64,355 130,630 66 412 6 373,086 1,269 8,445 290,628 1,152,704 862 1,974 2,082 3,181,993 5,778 85,202 9,627,461 18,668,563 9,041 2,436 231 1,795,157 14,677 28,577 3,336,879 7,230,476 3,893 444 1 472,822 2,099 39,640 481,996 1,927,132 1,445 71 — 69,567 570 3,761 119,483 275,687 1,566 161 46 96,732 728 30 190,895 349,963 159 563 90 629,810 2,260 17,422 1,021,01 2,767,491 1,665 411 3 314,451 1,961 13,991 1,095,639 1,934,192 888 1,532 425 3,032,730 2,273 44,305 1,344,691 7,389,8042 6,053	630	827	942,644	3,180	57,796	2,209,645	4,547,749	2,338,104
39		9,776			10,578,591	192,379,915		291,858,61
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444 1 472, 822 2,099 39,640 481,996 1,927,132 1,445 181 46 96,732 728 30 190,895 349,983 159, 563 90 659,810 2,280 17,422 1,102,101 2,767,491 1,665, 1,532 425 3,032,730 2,273 44,305 1,344,691 7,398,042 6,053 51 15 42,989 1,091 1,033 78,690 186,846 108 1,321 12 939,447 8,890 12,687 2,497,393 4,589,716 2,092 8,377 342 7,500,339 22,057 328,383 10,588,707 27,135,171 16,546 1,747 623 2,807,384 4,321 40,499 4,324,182 11,135,421 6,811 964 421 1,291,618 3,994 71,625 4,570,376 3,337,537 1,251,563 8,001 1,33 1,349 1,625 4,570,376 3,337,537				5,778	85,202		18,668,563	9, 041, 10;
71 — 69.567 570 3.761 119.483 275.687 156 161 46 96.732 728 30 190.893 349.983 159 583 90 629.810 2.280 17.422 1.102.101 2.767.491 1.665 1,522 425 3.032.730 2.273 44.305 1.344.691 7.389.042 6.953 51 15 42.980 1.091 1.033 78.000 186.846 108 1,321 12 239.447 8.800 12.687 2.497.303 4.589.716 2.092 8,377 342 7.500.330 22.957 328.383 10.588.707 27.135.171 16.546 302 164 356. 198 667 6.244 329.270 1.211.563 882 1,747 623 2.807.384 4.321 40.499 4.324,182 11.135.421 6.811 944 421 1.291.618 3.994 71.625 4.570.376 9.490.837			1.795.157					3,893,593
161		1	1 472,822				1,927,132	1,445,136
568 90 629,810 2,280 17,422 1,102,101 2,767,491 1,665 411 3 314,451 1,961 13,991 1,095,699 1,954,192 838 1,532 425 3,032,730 2,273 44,305 1,344,691 7,398,042 6,053 51 15 42,989 1,191 1,033 78,069 186,846 108 1,321 12 399,447 8,800 12,687 2,347,303 4,589,716 2,092 3,377 342 7,500,339 22,057 328,383 10,588,707 27,135,171 16,546 302 164 356,198 667 6,244 329,270 1,211,563 882 1,747 623 2,807,384 4,321 40,499 4,324,182 11,135,421 6,811 964 421 1,291,518 3,994 71,625 4,770,376 3,337,537 1,887 8,033 5,957,026 44,912 126,197 13,703,322 26,219,4		46		200				156, 22
11			629 810	2 260	17 422		2 767 491	1,665.396
1.532 425 3.032, 730 2.273 44,305 1.344,691 7,398,042 6,053 5.1 15 42,989 1.091 1,033 78,690 186,846 108 1.321 12 939,447 8,800 12,687 2,407,303 4,589,716 2,092 8,377 342 7,500,339 22,957 328,383 10,588,707 27,151,711 16,546 302 164 356,198 667 6,244 329,270 1,211,563 882 1,747 623 2,807,384 4,321 40,498 4,324,182 11,135,421 6,811 964 421 1,291,618 3,994 71,625 4,70,376 9,490,637 4,992 784 123 733,146 4,030 17,829 1,450,170 3,337,537 1,887 6,335 2,059 9,407,684 10,208 139,370 10,230,998 32,538,628 22,287 8,001 1,439 13,749,394 23,551 236,408								858,550
51 15 42,980 1,991 1,033 78,669 186,846 108 1,321 12 299,447 8,800 12,687 2,407,393 4,589,716 2,009 8,377 342 7,500,339 22,057 328,383 10,588,707 27,135,171 16,546 302 164 356,108 667 6,244 329,270 1,211,353,421 6,111,353,421	1,532	425	25 3,032,730:	2,273	44,305	1,344,691	7,398,042	6,053,35
8,377 342 7,500,339 22,057 328,383 10,588,707 27,135,171 16,546 302 164 356,198 667 6,244 329,270 1,211,563 882 1,747 623 2,807,384 4,321 40,499 4,324,182 11,135,421 6,811 964 421 1,291,618 3,994 71,625 4,570,376 9,490,637 4,920 784 123 753,146 4,030 17,829 1,450,170 9,490,637 4,920 6,335 2,059 9,407,684 10,208 139,370 10,250,998 32,538,628 22,287 8,001 1,439 13,749,394 23,551 288,836 14,029,548 65,700,122 51,070 22,839 660 26,933,174 1,666,601 8,690,408 63,947,678 174,733,954 110,786 343 - 13,750,048 288,176 357,125 37,379,034 62,769,233 25,300 355 88 378,950 1,430			15 42,989				186.846	108,180
1,747 623 2,807,384 4,321 40,499 4,324,182 11,135,421 6,811 064 421 1,291,018 3,994 71,625 4,570,376 9,490,037 4,920 784 123 753,146 4,030 17,829 1,450,170 3,337,537 1,887 6,335 2,059 9,407,684 10,208 139,370 10,250,998 32,538,628 22,287 8,001 1,439 13,749,394 23,551 288,830 14,629,548 65,700,122 51,670 22,839 660 26,933,174 1,666,601 8,690,408 63,947,678 174,733,954 110,786 343 -	1.321				12,687		4,589,716	2,092,323
1, 747 623 2, 807, 384 4, 324 40, 499 4, 324, 182 11, 135, 421 6, 811 964 421 1, 291, 618 3, 994 71, 625 4, 670, 379 3, 93 4, 920 784 123 753, 146 4, 030 17, 829 1, 450, 176 3, 337, 537 1, 887 8, 031 5, 957, 026 44, 912 126, 197 13, 703, 622 26, 219, 473 12, 515 8, 001 1, 439 13, 749, 394 23, 551 286, 830 14, 029, 548 65, 700, 122 51, 670 22, 839 660 6, 933, 174 1, 686, 601 8, 694, 048 3, 947, 678 65, 700, 122 51, 670 334 - 389, 835 1, 845 73, 939 2, 336, 505 5, 384, 592 3, 048 355 88 13, 750, 048 288, 176 357, 125 37, 379, 034 62, 769, 253 25, 390 500 674 989, 914 1, 224 18, 608 3, 676, 693 6, 360, 772 239, 208 96 4, 717 42, 757								882.28
964 421 1,291,618 3,994 71,625 4,670,376 9,490,637 4,920 784 123 753,146 4,030 17,829 1,450,170 3,337,537 1,887 6,303 53 5,957,026 44,912 126,197 13,703,022 26,219,473 12,515 6,335 2,059 9,407,684 10,208 139,370 10,250,988 32,538,628 22,22,287 8,001 1,439 13,794,394 23,551 286,830 14,029,548 65,700,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,170,170 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,122 51,070,170,170 51,070,122 51,070,170,170 51,070,170,170 51,070,170,170 51,070,170,170 51,070,170,170 51,070,170,170 51,070,170,170 51,070,170,170 51,070,170,170 51,070,170,170 51,070,1								
784 123 753, 146 4,030 17,829 1,450,170 3,337,537 1,887 6,335 5,957,026 44,912 126,197 13,703,022 20,219,473 12,515 6,335 2,050 9,407,684 10,208 139,370 10,250,908 32,538,628 22,287 8,001 1,439 13,749,394 23,551 286,830 14,029,548 65,700,122 51,070 22,839 660 26,933,174 1,666,601 8,690,408 63,947,678 174,733,954 110,786 19,928 67 13750,048 288,176 357,125 37,379,034 62,769,253 25,334 500 674 988,914 1,224 18,608 3,676,693 6,360,772 2,684 176 7 259,208 96 4,717 42,757 627,953 585 406 27 263,763 935 2,862 360,561 958,312 511 382 37 283,161 2,857 6,745 455,			21 1,291,618			4,570,376	9.490,637	4.920.26
6,335 2,050 9,407,684 10,208 139,370 10,209 32,538,628 22,287 8,091 1,439 13,749,394 23,551 286,830 14,029,548 65,700,122 51,070 22,839 660 26,933,174 1,686,601 8,690,408 63,347,678 174,733,954 110,786 19,928 67 389,835 1,845 73,939 2,336,505 5,384,592 3,048 355 88 378,950 1,430 14,863 628,310 1,582,361 954 500 674 998,914 1,224 18,608 3,76,693 36,360,772 2,684 176 7 259,208 96 4,717 42,757 627,953 585 406 27 263,763 935 2,862 360,561 958,312 511 382 37 293,161 2,857 6,745 455,691 1,045,698 590 972 76 994,841 7,817 131,754 3,959,540		123	23 753.146		17,829		3,337,537	
8. 001 1. 439 13,749,394 23,551 288,830 14,029,548 65,700,122 51,070 22,839 660 26,933,174 1,666,601 8,690,408 63,947,678 174,733,954 110,786 343 - 13,750,048 288,176 357,125 37,379,034 62,769,233 25,390 355 88 378,950 1,430 14,863 628,310 1,582,361 954 500 674 980,914 1,224 18,608 3,676,893 6,360,722 2,684 406 27 259,208 96 4,717 42,757 627,953 585 382 37 283,161 2,857 6,745 455,691 1,045,608 590 972 76 994,841 7,817 131,754 3,95,540 7,055,655 3,006 79,777 2,888 89,605,52 589,261 7,827,572 178,754,688 374,725,668 26,370 3,369 38 2,902,998 25,148 232,529							26,219,473	12,515,85
22, 839 660 26, 933, 174 1,866,601 8,690,408 63, 947, 678 174, 733, 954 110, 786 343 - 389, 835 1,845 73, 939 2, 236, 505 5, 384, 592 3,043 19, 928 67 13, 750, 048 288, 176 357, 125 37, 379, 034 62, 769, 233 25, 390 355 88 378, 956 1,430 14, 863 628, 310 1,582, 361 954 500 674 981, 914 1,224 18, 608 3,676, 693 636, 772 2,684 406 27 253, 208 96 4,717 42,767 627,953 585 382 37 283, 161 2,857 6,745 455,691 1,045,698 590 79,777 2,888 89,00,552 580,261 7,23,572 170,754,683 374,725,668 28,879 3, 369 38 2,962,998 25,148 232,529 3,57,534 11,175,404 7,577 7,612 176 8,25,183 42,51							32,338,928 65,700,199	
343 — 389,835 1,845 73,939 2,336,505 5,384,592 3,048 19,928 67,750,048 288,176 357,125 37,79,034 62,769,233 25,330 25,330 25,362 25,769,233 25,330 1,582,361 984 25,769,233 25,300 1,582,361 954 1,582,361 954 1,582,361 954 1,582,361 954 1,582,361 954 1,682,361 1,582,361 954 1,682,361 <td></td> <td></td> <td></td> <td>1,886,601</td> <td></td> <td></td> <td>174.733.954</td> <td>110,786,276</td>				1,886,601			174.733.954	110,786,276
355 88 378,950 4,430 14,863 628,310 1,582,361 984 500 674 981,914 1,224 18,608 3,676,893 6,360,772 2,684 176 7 259,208 96 4,717 42,787 627,933 585 406 27 203,763 935 2,862 360,561 958,312 511 382 37 283,161 2,857 6,745 455,691 1,045,698 599 972 76 994,841 7,817 131,754 3,959,540 7,055,655 3,096 78,777 2,288 89,666,552 589,261 7,021,572 179,754,688 374,258,668 33,399 38 2,902,998 25,148 232,529 3,597,534 11,175,404 7,577 7,612 176 8,825,183 42,519 462,316 36,470,355 59,674,345 23,197 2,213 178 2,484,238 12,844 133,299 6,724,841 12,600,256 5			- 389.835	1.845	73.939		5,384.592	3,048,08
500 674 989,914 1,224 18,608 3,676,893 6,360,772 2,694 176 7 259,208 96 4,717 42,757 627,953 585 406 27 263,763 935 2,862 360,561 958,312 581 382 37 283,161 2,857 6,745 455,691 1,045,698 590 972 76 994,841 7,817 131,754 3,959,540 7,055,655 3,006 79,777 2,88 89,906,552 589,261 7,827,572 179,754,688 374,725,868 203,870 3,369 38 2,902,998 25,148 232,529 3,517,534 11,175,404 7,577 7,612 176 8,825,183 42,519 462,316 36,470,355 59,674,345 23,197 2,213 178 2,448,238 12,844 133,299 6,724,841 12,600,256 5,875 290 22 292,218 1,018 13,692 200,791 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>25, 390, 219</td>								25, 390, 219
176 7 259, 208 96 4,717 42,757 627,953 585 406 27 263,763 935 2,862 366,561 958,312 501 382 37 283,161 2,857 6,745 455,691 1,045,698 590 972 76 994,841 7,817 131,754 3,059,540 7,055,655 3,006 78,777 2,88 89,090,552 589,261 7,223,672 179,754,688 374,725,668 283,979 3,369 38 2,902,998 25,148 232,529 3,507,534 11,175,404 7,577 7,612 176 8,825,183 42,519 462,316 36,470,355 59,674,345 23,197 2,213 178 2,448,238 12,844 133,299 6,724,841 12,600,256 5,875 296 22 229,218 1,018 13,692 206,791 920,994 719				1,430			1.582,361	954, 05
406 27 263,763 935 2,862 360,561 958,312 501 382 37 283,161 2,857 6,745 455,691 1,045,698 590 972 76 994,841 7,817 131,754 3,959,540 7,055,655 3,096 79,777 2,288 89,600,552 589,261 7,623,572 179,754,688 374,725,668 2,002,998 25,148 232,529 3,517,534 11,175,404 7,577 7,612 176 8,825,183 42,519 462,316 36,470,355 59,674,345 23,197 2,213 178 2,448,238 12,844 133,299 6,724,841 12,600,256 5,875 296 22 292,218 1,018 13,692 200,791 920,994 719				1,224	4 717			585, 19
382 37 283,161 2,857 6,745 455,691 1,045,698 590 972 76 994,841 7,817 131,754 3,959,540 7,055,655 3,096 79,777 2,288 89,906,552 589,261 7,627,672 179,754,688 374,725,668 26,979 3,369 38 2,902,998 25,148 232,529 3,517,534 11,175,404 7,577 7,612 176 8,825,183 42,519 462,316 36,470,355 59,674,345 23,197 2,213 178 2,448,238 12,844 133,299 6,724,841 12,600,256 5,875 290 22 292,218 1,018 13,692 200,791 920,994 719		27	27 263.763		2.862			591,75
79,777 2,288 89,600,552 589,261 7,623,572 179,754,688 374,725,668 203,979 3,369 38 2,902,998 25,148 232,529 3,517,534 11,175,404 7,577 7,612 176 8,825,183 42,519 462,316 36,470,355 59,674,345 23,197 2,213 178 2,448,238 12,844 133,299 6,724,841 12,600,256 5,875 290 22 292,218 1,018 13,692 200,791 920,994 719 900 494 79 920,994 719			37 283,161	2,857	6,745		1,045,698	590,00
7, 012 176 8, 825, 183 42,519 402,316 36,476,355 59,674,345 23,197 2,213 178 2,448,238 12,844 133,299 6,724,841 12,600,256 5,875 296 22 292,218 1,018 13,692 200,791 920,094 719	972	76	76 994,841	7,817	131.754	3,959,540	7,055,655	3,096,11
7, 612 176 8, 825, 183 42, 519 402, 316 36, 476, 355 59, 674, 345 23, 197 2, 213 178 2, 448, 238 12, 844 133, 299 6, 724, 841 12, 600, 256 5, 875 296 22 292, 218 1, 018 13, 692 200, 791 920, 694 719			88 89,000,552		7,62),572	170,754,688	374,725,068	203,970,38
2.213 178 2.448,238 12,844 133,299 6.724,841 12,600,256 5,875 296 22 292,218 1,018 13,692 200,791 920,694 719	3,369	38	38 2.962,998 7c 8.905 103	25,148	232,529	3,597,534	11, 175, 404	7,577.870
296 22 292.218 1,018 13,692 200,791 920,694 719								5, 875, 41
								719,90
	1,411	2	2 1.504.015	9,667	73.026	2,640,690	6,367,008	3,726,40
3,347 - 4,483,422 28,861 154,029 9,132,721 22,170,215 13,037	3,347	-	4,483,422	28,861	154,029	9,132,721	22, 170, 215	13.037.49
14,566 241 14,492,436 67,312 971,083 18,598,048 51,455,296 32,857							51.455,296	32,857,24 9,114,73
3,657 549 3,593,322 15,577 215,874 4,156,374 13,271,113 9,114 1,219 12 1,280,987 2,965 24,927 1,958,130 4,590,652 2,632			3,593,322					
					273 447	11, 120, 332		2,632,52
7, 219 14 9, 054, 229 213, 236 2, 680, 735 15, 291, 414 36, 911, 245 21, 619	7,219	14	14 9,054,229	213, 236	2,680,735			21,619,83
19,958 34 24,318.104 108,659 1,219,339 35,335,573 67,865,070 32,529			34 24,318,104	108,659	1,219,339	35.335.573	67.865,070	32,529,49
5.811 688 6.453,607 15.185 323,291 20,230,852 39,039,005 18,808					323, 291			18,808,15; 8,900,72;

7 .- Statistics of the Numbers, Capital, Employees, Salaries and Wages, Cost of

		04.11.1	0.24.1	Em	ployees on	Salaries.
N.O.	Group and Kind of Industry.	Establish- ments.	Capital Employed.	Male.	Female.	Salaries.
-		No.	8	No.	No.	\$
- 1	6. Non-ferrous Metal Products	455	318,395,983	5,643	1,865	15, 173, 712
11	Aluminium products. Brass and copper products. Electrical apparatus and supplies	14	4,540,834	161	52	321,807 1,913,731
2	Brass and copper products	127	24, 351, 059	775	183	1,913,731
3	Electrical apparatus and supplies	163 95	100.057,945 8,511.317	3,466		9,421,455 989,711
4 5	Loud tin and zine products	23	4.507.307	87	36	274,054
6	Jewelry and silverware Lead, tin and zinc products. Miscellaneous non-ferrous metal products	19	758.326	51	11	121,875
7	Non-ferrous metal smelting	14	175, 669, 195	775		2,131,079
	7Non-metallie Mineral Products	1,272	328, 873, 782	3,347		7,811,964
1	Abrasive products. Aerated and mineral waters	14 402	6.070,652	101	37	315,654
3	Actactor products	13	13,923,371	467 43	101	995,087 110,898
4	Cement	12	1.112.141 57.378,436	110		268, 434
5	Cement products	157	5,081,227	183	19	350,909
6	Clay products from domestic clay	189	33,819,164	390		918, 781
7	Clay products from imported clay	14	4.320,382	69		226,767
8	Ches products	41 66	95,872,858	737 269	235 79	1,576,043 691,484
10	Lime	60	14,873,963 7,289,990	67	11	121,525
11	Achestos products. Cement. Cement products. Clay products from domestic clay. Clay products from imported clay. Coke and gas products. Glass products Lime. Miscellaneous non-metallic mineral products clays.	00				
12	Petroleum products		8,427,102 68,136,281	113 478		281,106 1,242,537
13	Salt	32	4, 196, 927	41		112,479
14	Salt Sand-lime brick Stone, monumental and ornamental	11	1,490,453	23	1	58,831
15	Stone, monumental and ornamental	223	6,880,835	256	46	541,429
4	8.—Chemical and Chemical Products	621	163,813,072	3,599		10,220,213 771,271
1	Acids, alkalies and salts	14	44,994,828 2,850,507	341		120,444
3	Adhesives. Coal tar distillation Explosives, ammunition and fireworks	10	5,013,678	30		92,346
4	Explosives, ammunition and fireworks	9	9.868,935	102		268, 195
5	r ertilizers	181	15,615,119	130		318,968
2	Flavouring extracts. Gases, compressed luks, printing and writing. Medicinal and pharmaceutical preparations	25 30	1,389,683 4,597,170	69 153		147, 198 397, 788
×	laks, printing and writing	23	2.319.662	116		427, 206
9	Medicinal and pharmaceutical preparations	144	2,319,662 17,848,713 10,882,595	693		427, 206 2, 211, 057
10	Miscellaneous chemical products	881	10,882,595	337	183	931,461
11	Paints, pigments and varnishes	75	24, 985, 476	896		2,539,113
13	Ponshes and dressings	42 69	1,966,126 15,322,398	92 459		260,074 1,245,456
11	Toilet preparations	56	4. 564, 109	132		461,524
15	Polishos and dressings. Soaps and washing compounds. Tollet preparations. Wood distillation.	5	1,644,073	13		28, 112
	9Miscellaneous Industries	464	75,682.761	1,878		4,766,554
1	A change and aches possibles	14	306.937	20		44,791
2	Artificial flavor and furthers	7 6	2,160,435 238,358	65 10		178.798
4	Automobile accessories fabric	9	323,473	9		19,885 29,215
5	Brooms, brushes and mops.	76	3,929,871	202		411,620
6	Aircraft, Artificial flowers and feathers. Automobile accessories, fabric. Brooms, brushes and mops. Buttons Candles Fountain pens and pencils. lee, artificial.	11	1, 177, 573	53	11	131,572
4	Candles	11	638, 290	18		57.825
9	Fountain pens and pencils	6	1,541,985	62		172,700
9	love of our or and silvery or an hings	43	5,506,873 232,309	86 14		182,442 27,975
31	Mattresses and springs	60	6,386,443	232		720,273
12	Mation pictures	7	1,065,428	126		272,538
13	Jewel cases and silverware cabinets Mattresses und springs. Mution pictures. Musical instruments.	30	7,872,977	223		580,326
14			1,121,406	20		52,918
15 16	Regalia and society emblems. Scientific and professional equipment. Shipbuilding and repairs.	11 24	198, 252 12, 595, 249	114		33, 144 385, 249
17	Shipbuilding and repairs.	39	26, 494, 916	407		982, 212
18			735,077	40	8	59,688
19	Starups and steneils, rubber and metal Statuary, art goods and church supplies	30	684,733	63		132,138
20	Statuary, art goods and church supplies	30	814,057 255,068	45 10		89,355 22,095
21 22	Toys and toy equipment	3 9	273, 098	10		21,068
23	Typewriter supplies	4	729.744	23	15	112,707
24	Umbrellas	6	267,505	12		36,935
25	Statuary, art goods and church supplies. Store display accessories. Toys and toy equipment. Typewriter supplies. Umbrellas. All other industries.	3	132,704	4	1	9,085
	10.—Central Electric Stations	1,011	1,229,988,951	5,554	1,464	12,347,422

Materials and Value of Products of Canadian Manufacturing Industries, 1931—con.

Emp	loyees on	Wages.	Power	Cost of	Cost of -	Value of P	roducts.
Male.	Female.	Wages.	Installed.	Fuel Used.	Materials.	Gross.	Net.
No.	No.	\$	H.P.	\$	\$	\$	\$
22,926	3,980	39, 937, 661	424,738	3,006,827	95,312,788	211,862,412	116,519,624
503	77	601,739	2,923	31,836	2,066,851	3,597,764	1,530,913
3.262	217	3,713,755	18,073	247,896	7,200,608	16,052,756	8,852,148
10,296	3, 157	13,052,864	88,088	518,478	32,385,342	81,578,595	49.193,253
1,496	419	1,059,758	2,976	48,567	2,802,228	7,449,754	4,557,526
318	91	405,577	2,954	44,817 5,714	2,330,652	4,137,600	1,806,949 349,382
6.982	19	89,720 11,114,248	329 309,395	2,109,519	130,806 48,336,301	480,188 98,565,755	50, 229, 454
20,312	518	24,407,313	212,179	10,447,475	78,945,766	181,431,906	102,485,140
546	7	667,106 2,012,774 191,740	6, 123	22,371	1,709,983	4,857,914	3,147,931
1,778	94	2,012,774	3,347	79.260	3,300,776	13,064,353	9,763,577
169	15	191,740	1,656	37,378	729,771	1,308,183	578,412
1.699	-	2,164,516	78,126	2,539,080	1,245,483	15,826,243 3,807,188	15,826,243
960	4	945,341 2,622,469	3,305 28,276	42,853 1,246,073	1,240,400	7,841,288	2,561,705 7,841,288
662	84	732, 133	1,419	143,724	695,706	2,455,738	1,760,032
3.032	2	4,049,720	24,711	1.779.524	13,804,061	31,249,460	17,355,399
2.337	271	2,872,708	24,711 8,112	1,779.524 671.351	3,586,570	9,937,411	6,350,841
721	-	664.343	5,663	557,315	-	2,764,415	2,764,415
425	21	431,362	9,010	61,820	1,203,543	3,727.158	2,523,615
3,567	13	4,972,208	30,995 881	3,039,484 179,108	50,617,742	76, 158, 644 1,904, 149	25,540,902 1,904,149
306		334,505 148,739	1,528	29,571	191,572	540,390	348,818
1,127	7	1,603,594	9,027	18,563	1,770,559	5,989,372	4,218,813
7,748	2,466	10,647,735	96,893	1,313,134	40,758,550	105,501,905	64,745,355
1,324	3	1,655,609	46,992	330,570	2,407,682	10,952,497	8,544,815
239	8	255, 154	1,373	64,750	877.802	1,742,553	864,751 725,351
158	240	200,697 1,059,609	5.051	97,962 128,977	1,850,751 2,826,856	2,576,102 8,540,927	5.714.071
877		529,288	14,435	10,405	3,053,016	4,251,840	1,198,824
478 72	71	119,503	266	4,934	778, 172	1,434.031	655.859
195	5	256,576	6.086	20,840	429,048	2,818,306	2,389,258
199	22	282, 169	1,397	9,836	762,112	2,309,062	1,546,950
798	942	1,647,534	2,900	73,976	5,590,546	18, 110, 794	12,520,248
710	349	980.728	4,435	65,477	3, 183, 787	8, 751, 100	5,567,313
1,450	180	1,742,748	7,091	151, 174	7,974,852	18,536,463	10.561,611
104	57 221	176,259 1,241,781	5.528	8,356 272,103	665,302 7,990,246	1,783,549 17,047,452	1,118,247 9,057,206
876 158	367	409,060	410	14, 625	1,987.231	5,946,292	3,959,063
110		91.020	359	59.149	379.147	700,937	321,790
8,468	1,671	10,367,365	56,963	352, 495	17, 169, 861	45,350,322 381,325	28, 189, 461
35	88	71,665	44	1,067	191,385 461,961	1,210,008	180,940 748,047
166	14	188,747	449	8,380 312	55, 260	158,615	103,355
53	24	40,582 65,388	29	1,768	125,403	283, 515	158, 112
868	203	822, 823	1,722	21, 101	1,502,280	3, 7711, 464	2,268,184
198	161	221,533	564	8,090	217,510	773,710	556,200
38	22	41,201	42	4,512	175,837	447,074	271, 237
135	112	184,940	289	1,315	683,825	1,800,594	1,116,769
279	9	356,874	10,239	7,545	78,334	1,973,306	1,894,972
33	30	50,538	88	1,420	64,938	163,636	98,698
1, 101	225	1,264,909	4,375	38,498 3,046	3,289,883 385,832	6,504,777 872,966	3,214,894 487,134
1,089		23,356 1,227,520	4,125	64,383	2,805,941	5, 496, 471	2,690,530
178	2	158, 130	737	2,676	282,465	696, 839	414,374
17	27	37,112	29	593	53,213	155,834	102,621
441	216	711,773	3,319	47,411	1,952,135	5,376,158	3,424,023
3,329	4	3,915,776	29,920	118,390	3,643.854	11, 113, 099	7,469,245
172	-	249,707	79	3,714	187.7931	1.112,100	924,307
178	9	208,557	155 227	4,846 3,982	75.223 315.021	540,396	465, 173
171	153	255.922 47.919	139	1,796	22,825	1,011,759 121,530	696,738 98,705
51	41	72, 158	83(1,094	115,695	326,006	210,311
47	23	84,948	186	5.072	265,541	671,713	406, 172
23	42	46,243	25	423	180, 492	313.587	133,095
17	5	18,984	51	1,061	28,215	74,840	46,625
		13,959,531					122,310,730

Subsection 2.—Manufactures Classified by the Purpose of the Products.

Production of Manufactured Goods According to the Purpose Classification.—In addition to the classification according to the chief component material of the products, used for the industrial census in detailed presentation, a separate and distinct classification, based on the chief purpose of the products, was applied for the first time to the census returns of 1922 and is presented in Table 8 for the years 1922, 1924, 1927, 1929 and 1930 in summary form, and for 1931 in more detail.

During the period covered by the table, the gross production of the food industries dropped from 27·1 p.c. of the total for all industries in 1922 to 21·6 p.c. in 1931, while the "personal utilities" and "house furnishings" groups dropped respectively from 2·3 p.c. and 2·6 p.c. of the total to 1·7 p.c. and 1·9 p.c. On the other hand, the gross production of the "drink and tobacco" group during the same period rose from 4·0 p.c. of the total to 5·7 p.c. "Vehicles and vessels" which stood at 6·5 p.c. in 1922 rose to 7·3 p.c. in 1931, "books and stationery" also rose from 4·0 p.c. to 5·0 p.c., "producers' materials" from 26·8 p.c. to 27·1 p.c., and "industrial equipment" from 17·0 p.c. to 19·3 p.c. The percentage of the "clothing" group, however, remained about stationary, being 9·5 p.c. in 1922 and 9·6 p.c. in 1931.

In analyzing the relative standing of the two groups which are perhaps of the greatest interest, it is noted that the gross production of the "food" industries in 1931 was 21.6 p.c. of the output of Canadian manufactures, as compared with an output of only 9.6 p.c. for the "clothing" industries. Aside from the fact that a much larger proportion of its products is exported, the greater production of the "food" group was in part due to the higher cost of raw materials, the value added by manufacture being 14.3 p.c. of the total for all industries in the case of the "food" group and 9.1 p.c. for the "clothing" group. The "clothing" industries also gave employment to 13,131 more persons than the "food" industries, but paid out only \$1,510,251 more in salaries and wages.

8.—Principal Statistics of the Manufacturing Industries of Canada, Classified according to the Purpose of the Principal Product, by Main Groups for Representative Years 1922-30, and in Detail for 1931.

Purpose Heading.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products,	Gross Value of Products.
1922.	No.	8	No.	8	\$	\$	8
Totals	22.541	3,244,302,410	474,430	510,431,312	1,283,774,723	1.198 434 402	2,482,209,130
Food	8,256		66.815	67,738,707	490.731.438	183.062.593	673.794.131
Drink and tobacco	496		13,402				
Clothing	1.279	175.076,687	70,931	65,595,519			
Personal utilities	936	56,060,262	16.904	17,080,049			
House furnishings	690		18,032		24,956,960	38,004,090	
Books and stationery			28,103			71,928.898	
Vehicles and vessels	1,154		30,067			72,783,265	160,624,079
Producers' materials.		1,086,692,015	143,354	147.581.011	316,400,400	349,840,871	666,241,271
Industrial equipment.		1,124,931,330		103,576,553	160,035,399		421,211,824
Miscellaneous	30	4,960,434	869	1,061,388	2,964,354	1,952,064	4,910,418
1924.							
Total	99 128	3,538,813,460	508,503	110 994 041	1 429 488 CVI	1 000 012 001	2,695,053,582
Food	8,036			73.119.482	515, 708, 299	187.005.602	
Drink and tobacco	518			15.748,590		72.718,494	
Clothing							260.944.006
Personal utilities	341			11,057,386			
House furnishings	587						
Books and stationery						74.911.094	107.272.029
Vehicles and vessels	980	205, 551, 891	34,149	44,977,607	117,515,075	77,888,209	195, 403, 284
Producers' materials		1,251,962,266	163.523	176,646,967	384,533,201	383.226.055	767, 759, 256
Industrial equipment.	2,204	1,149,628,422				264,765,817	
Miscellaneous	150	33,035,383	4,420	4,714.828	15,779,166	11,307,612	27,086,778

8.—Principal Statistics of the Manufacturing Industries of Canada, Classified according to the Purpose of the Principal Product, by Main Groups for Representative Years 1922-30, and in Detail for 1931—continued.

Purpose Heading.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
1927.	No.	\$	No.	\$	\$	\$	\$
Fotals	22, 936	4,337,631,558	618,933	613, 932, 228	1,758,789,334	1.635.923.936	2,314,713,27
Food	8,306	418.151,619	88,967	81,722,970	586, 128, 295	1,635,923,936 216,875,935	803,004,236
Drink and tobacco	570		16,276	18,312,164	52,850,437	106,706,731	159, 557, 169
Clothing Personal utilities	1.988		97,918 10,754	91,236,118 12,758,956	161,946,983	166,769,340	328,716,32
House furnishings	553		17, 438	19, 151, 982	26,061,404 26,474,235	27, 133, 729 36, 313, 804	53, 195, 13 62, 788, 03
Books and stationery	1,795	120,028,624	33,732	46,913.071	26, 474, 235 38, 755, 189	90,338,506	129,093,69
Vehicles and vessels.	872	279,080,400	49,885	70,622,546	174,846,848	124,565,024	299,411,87
Producers' materials.	0 633	1,521,762,956 1,460,936,792	200,335 99,200	219, 116, 312 129, 147, 304	450,761,472 224,833,327	519,850,940 333,530,379	970, 612, 41 558, 363, 70
Industrial equipment. Miscellaneous	166		4,428	4,950,805	16, 131, 144	13,839,548	29.970,69
1929.							
Fotals	23,597	5,083,011,751	694,431	813,019,842	3,032,020,975	1,997,350,365	4,029,371,34
Food	8,351	463,984,558	94,707	87,960,036	597,396,238	240,590,146	837, 986, 38
Drink and tobacco Clothing	599 2,054		18,970	21,670,376 100,863,405			
Personal utilities	380	56, 155, 234	11.148	13, 595, 331	29,389,246	31,802,504	61, 191, 7
House furnishings	600	76, 185, 921	20.857	13,595,331 23,248,775 56,003,183	34,293,465	31,802,504 43,517,866 140,563,598	61.191.7 77.811.3 155.947.96
Books and stationery	1,917	144, 222, 275 310, 942, 038	38, 141	56,003,183	45, 384, 362	110,563,598	155,947,96
Vehicles and vessels. Producers' materials	781 6 210	1,772,369,696		91.239,185 257,233,327	243,258,350 523,139,599	164,689,298 628,251,154	407,947,64
Industrial equipment.	2,600	1,774,844,446	116,086	156,651,963	304,581,449	433, 129, 753	737, 711. 20
Miscellaneous	105	32,789,065	3,939	4,584,261	13,007,989	14,395,355	27,403,34
1930.							
Fotals		5,203,316,760		736,092,766	1,666,983,902	1,761,985,726	3,428,970,67
Drink and tobacco	620	464,697,907 204,039,846	86,279 18,365	82,930,475 20,635,959	507, 246, 850	238,607,556	186 694 40
Drink and tobacco Clothing	2,017	231,366,990	94,086	87,308,105	147.363.887	132,973,381 151,514,613 26,595,698 38,780,585	186,694,40 298,878,50
Personal utilities	373	50,613,454 74,357,090	9.445	11,423,383 20,679,759		26,595,698	50, 416, 09
House furnishings Books and stationery	592 1.943	148,509,793	19,328 38,222	56,396,315	27.037.565 43,997.854	106,053,275	65, 818, 15 150, 051, 15
Vehicles and vessels.		306, 354, 979		84,736,739	167,308,426	144,000,318	311, 309, 24
Producers' materials.	6,607	1,857,834,835	203,750	222,057,875	429, 118, 305	518, 717, 241	947, 835, 54
Industrial equipment. Miscellaneous	2,690 108	1,835,713,531 29,828,335	108.510	145.855,520 4.068,636	256,513,915 10,855,092	392,365,334 12,378,815	648,879,24 23,233,90
1931							
Fotal	24,501	1,961,312,408	557, 126	624,545,561	1,223,890,011	1,474,581,851	2,699,461,80
FORH!	8,031	444,209,802	76, 257	78,011,998	372, 123, 103	210, 648, 019	582.771.13
Drink and tobacco	671 2,106	213,300,836	18,487 89,388	20,456,318 79,522,249	45.094.251	-108,284,813 -133,608,066	153,379,00 259,539,98
Clothing. Personal utilities	376		8,959	10 517 796	18 930 769	24,781,021	43, 711, 79
House turnishings	612	68, 433, 256	17, 294	17,708,228 53,977,715	22,048,506	30,003,405	52,051.93
Books and stationery	2,031		37,309	53,977,715	38,349.342	95, 221, 619	133,570,90
Vehicles and vessels. Producers' materials.	691	265,252,000 1,675,244,323	49,853 161,741	60,408,577 176,921,090	317 204 080	102,846,436 414,994,526	198, 336, 50 732, 199, 5
Industrial equipment.	2,721	1,890,108,952	94,799	123.101.966	180.565.705	341, 105, 614	521.671.3
Miscellaneous	120	25, 258, 837	3,339	3,919,624	95, 290, 128 317, 204, 989 180, 565, 705 8, 341, 295	13,088,332	21, 429, 62
Food	8,531	444,209,802	76,257	78,011,998	372, 123, 103	210,648,019	582,771,15
Breadstuffs	4,509		37,300	37,258,796 2,761,423	126, 924, 799	96, 273, 782 6, 906, 059	223, 198, 58 18, 826, 89
Fish. Fruits and vegetables	278	48, 152, 325	4,268 6,329	4,509,377	31,920,834 18,668,100	13,904,480	32,572,58
Monts	198	63,509,861	9.591	11,976,389	92,409,941	26,960,695	119,370,63
Moats Milk products	2,702	59,962,028	12,744	13,242,910	69,565,699	34,916,701	104,482,43
Oils and fats Sugar industries	8	88,573 37,691,433	2,265	17,998 3,307,730	34.746 29,196,494	30,537 14,765,567	65, 28 43 962 00
Infusions Miscellaneous	59	13,500,659	1.639	2.251.103 2.686.272	14.384.811	7,602,446 9,287,752	43,962,06 21,987,28
	111	20, 408, 175					18,305,47
Drink and Tobacco Beverages, alcoholic	671 103	191,803,615 119,003,221	18,487 6,501	20,456,348 8,825,005		108,284,813 43,358,268	153,379,00 62,111.7
Beverages, non-							
	463	22,609,192	2,895	3,534,544	4,891,930	11,449,270 53,477,275	16,341,20

8.—Principal Statistics of the Manufacturing Industries of Canada, Classified according to the Purpose of the Principal Product, by Main Groups for Representative Years 1922-30, and in Detail for 1931—concluded

Purpose Heading.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
	No.	\$	No.	\$	8	\$	\$
Clothing	2,106	213,300,836	89,388	79,522,249	125,931,923	133,608,066	259,539,989
Boots and shoes	184	25,844.168	14,150	12,340,283	17,949,804	18,675,761	36,625,565
Fur goods	279	13,212,426	3,636	4,260,161	8, 856, 762	6,961,971	15,818,733
al furnishings	838	64.491.940	34.996	31.515.868	62,908,120	50.348.858	113.256.978
Gloves and mittens.	56	3,799,681	1.830	1.302.831	1,930,942	1,951,769	3,882,711
Hats and caps	150	7, 173, 500	3,782	3,703,180	6, 162, 557	6.033.710	12, 196, 267
Knitted goods	161	57, 173, 774	17,698	13,948,570	22,052,418	25, 705, 285	47, 757, 703
Waterproofs	19	855, 145	272	256,561	454.837	358,934	813,77
n.e.s	419	40,750,202	13,024	12, 194, 795	5,616,483	23,571,778	29.188,261
Personal Utilities Jewellery and time-	376	44,211,577	8,959	10,517,796	18,930,769	24,781,021	43,711,790
pieces	101	8,743,626	2.524	3,027,982	2,957,166	4,656,224	7,613,390
Recreational supplies	63	9.824.888	2.177	2.397.711	3,549,946	3.854.892	7,404,838
Personal utilities	212	25,643.063	4,258	5,092,103	12, 423, 657	16.269,905	28.693,562
House Furnishings	612	68, 133, 256	17,294	17,708,228	22,048,500	30,003,405	52,051,911
Books and Stationery	2,011	143, 486, 210	37,309	53,977,715	38,319,342	95,221,619	133,570,961
Vehicles and Vessels.	691	265, 252, 000	49,853	60, 408, 577	95,290,128	102,846,435	198, 136, 564
Producers' Materials	6,662	1,675,244,323 15,615,119	161,741 636	176,921,090 848,256	317,201,989 3,053,016	414,994,526 1,198,824	732,199,51 5 4,251,840
materials	1.106	1.275,948,942	101.677	118,286,446	216,946,200	297, 847, 987	514, 794, 187
Building materials	4,921	206,044,813	43,848	41.923,442	79,548,892	85,677,510	159.226,403
General materials	617	87,635,449	15.580	15:862.946	23,656,881	30,270,205	53,927,080
IndustrialEquipment	2,721	1,890,108,952	91,799	123, 101, 988	180,565,705	341, 105, 614	521,671,319
Farming equipment. Manufacturing equip-	64	84.620.953	4.506	5,034,241	3,661,889	7,644,145	11,306,03
ment	183	62,913,028	9,179	11,253,784	11,449,611	24, 254, 867	35, 704, 479
Trading equipment	104	8,218,432	1.204	1,573,531	821,101	3,979,269	4.800,370
Service equipment Light, heat and power	240	36,008,450	5,086	6.484,107	9,345,635	18,793,533	28, 139, 168
equipment		1,506,078,760	45,300	63.190.499	99,829,821	218,403,058	318, 232, 879
General equipment	831	191, 269, 329	29,524	35.565,804	55,457.648	68,030,742	123, 488, 390
Miscellaneous	120	25,258,837	3,339	3,919,624	8,341,295	13.088.332	21,429,627

Subsection 3.-Manufactures Classified by Origin of the Materials.

Classification of Manufacturing Production According to the Origin of the Materials Worked Upon. The principal statistics of the manufactures of Canada, classified upon the basis of "origin", are presented in Table 9 for the years 1924, 1927, 1929, 1930 and 1931. By this means Canadian manufacturing production may be analysed from a new angle, one by means of which interesting comparisons may be made with the external trade classification according to origin.

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than their actual source. Thus the industries included in the foreign origin classes are those depending upon materials which cannot be grown in Canada such as tea, coffee, spices, cane sugar, rice, rubber, cotton, silk, etc., but it should be understood that industries included in the Canadian origin classes may be using large quantities of imported corn, fruit, tobacco, hides, wool, etc.

While the period reviewed in the following table only covers the short space of the 8 years from 1924 to 1931, interesting changes have taken place in the relative importance of the industries based on materials from the different origins. Since the purpose of such a comparison is to discover the relative importance of the manufacturing work done upon materials from the different origins, the figures of net value of products or the value added to the raw materials by the manufacturing processes will give a more accurate measure of the importance of the industrial groups than the figures of gross value of products.

The values added in the manufacture of materials of mineral origin in 1931 represented 32-8 p.c. of the total value added by manufacture in all industries. This is an increase of 5.0 p.c. since 1924. The second largest group from the point of view of value added is that of farm origin which accounted for 29.7 p.c. of the total value added in 1931. This group, however, lost in importance, having decreased 1.0 p.c. since 1924. The central electric stations group bettered its position as compared with 1924, the percentages of the totals being 7.6 in 1924 and 8.3 in 1931. On the other hand, the values added by the industries of the forest group declined from 23.8 p.c. of the total in 1924 to 19.3 p.c. in 1931. The increase during the period under review in the relative importance of the industries of the mineral group was probably due to a number of influences. The expansion of the motor vehicle industry, the rapid growth in the use of electrical equipment, increasing activity in construction which absorbed large quantities of steel, cement and various other manufactured mineral products, and the development of metallurgical plants in Canada were some factors in the growing importance of the mineral group of industries. Another factor in this trend has been the growing appreciation and development of the wealth of the mineral resources of Canada. Not only have the various mining activities made the raw materials for mineral industries more readily available, but those activities have also required large quantities of machinery, electrical apparatus and other finished products of mineral origin.

In the year 1931, the industries of the mineral group exceeded those of any other group in the net value of products with 32·8 p.c. of the total, as compared with 29·7 p.c. for the farm and 19·3 p.c. for the forest origin groups. These three principal groups stood in the same order of importance with regard to employees engaged and salaries and wages paid. In the matter of capital invested the mineral group also led with 30·1 p.c. of the total, followed by central electric stations with 24·8 p.c., the forest group with 21·0 p.c., and the farm group with 18·7 p.c.

9.—Principal Statistics of the Manufacturing Industries of Canada, classified according to the Origin of the Material Used, by Main Groups for Representative Years 1924-31.

Origin.	Fstab- lish- ments.	Capital	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
1924	No.	\$	No.	\$	\$	\$	\$
Totals	22,178	3,538,813,460	503,503	559,881,045	1,438,409,681	1,258,843,901	2,695,053,582
(a) From field crops. Canadian origin. Foreign origin (b) From animal hus-	4,595 4,311 284	525,717,571 299,158,049 226,559,522	51,462	87,789,237 53,793,131 33,996,106	433,443,376 270,753,367 162,690,009	258,069,883 169,716,464 88,353,419	691,513,250 440,469,831 251,043,428
bandry	4,086 4,068 18	253,858,982 247,073,900 6,785,082	63,052	66,696,501 65,424,526 1,271,975	285,502,644 282,604,516 2,898,128	127,504,777 125,161,890 2,342,887	407.766,400
(c) Totals, Farm Urigin Canadian origin Foreign origin	8,681 8,379 302	779,576,553 546,231,949 233,344,604	114,514	154, 485, 738 119, 217, 657 35, 268, 081	718,946,020 553,357,883 165,588,137	385,571,660 294,878,354 90,696,306	848, 238, 23
Wild life origin	1,805	1,010,517,944 212,861,904	11,157 126,907 136,837 63,723	3, 194, 213 3, 344, 348 147, 719, 245 171, 068, 497 62, 125, 420 17, 946, 584	7,506,169 16,089,332 245,183,429 349,800,585 100,884,146	5,880,097 10,548,630 299,099,168 350,201,512 110,170,066 95,169,768	26, 637, 96; 544, 282, 59; 700, 002, 09; 211, 054, 21;

9.—Principal Statistics of the Manufacturing Industries of Canada, Classified according to the Origin of the Material Used, by Main Groups for Representative Years 1921-31—continued.

Origin.	Estab- lish- ments.	Capital	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$	\$
1927.							
Totals	22,936	4,337,631,558	618,933	693, 932, 228	1,758,789,334	1,635,923,936	3,394,713,270
(a) From field crops. Canadian origin. Foreign origin	4,977 4,683 294	613,855,706 358,813,700 255,042,006	104,850 58,484 46,366	103,990,849 58,483,142 45,507,707	495,122,606 312,675,963 182,446,643	332,027,953 215,539,287 116,488,666	827,150,559 528,215,250 298,935,309
(b) From animal hus- bandry Camadian origin. Foreign origin	4,007 3,993 14	283,449,879 261,122,061 22,327,818	70,131 67,241 2,890	73,587,671 71,247,700 2,339,971	336,059,831 332,043,200 4,016,631	151,765,691 146,211,405 5,554,286	487.825.522 478.254,605 9.570,917
(c) Totals, Farm							
Origin	8,984 8,676 308	619,935,761	174,981 125,725 49,256	177,578,520 129,730,842 47,847,678	831,182,437 644,719,163 186,463,274	483,793,644 361,750,692 122,042,952	1,314,976,081 1,006,469,855 308,506,226
Wild life origin	244		3,880	4,588,689	13,462,752	9,413.528	22,876,280
Marine origin	6,770	24,454,482 1,020,144,236	16,697 149,738	5,373,951 166,921,448	18,364,846 270,764,265	12,719.763 355.741.746	31,084,609 626,506,011
Mineral origin Mixed origin	3,232 1,836	1,268,521,442	180,365	166,921,448 239,692,970 76,830,335	497,368,048 127,646,986	528,034,653 142,187,305	1,025,402,701 269,834,291
Central electric stations	1,097	860, 825, 285	78,564 14,708	22,946,315	121,040,500	104,033,297	104,033,297
1929.							
Totals	23,597	5,083,011,754	694,434	813,049,842	2,832,020,975	1,997,350,365	1,029,371,340
Farm origin— (a) From field crops— Canadian origin Foreign origin	5,191 4,893 298	697,206,163 436,282,846 260,923,317	114,236 67,234 47,002	115,201,292 67,235,530 47,965,762	496,842,580 326,292,523 170,550,057	392,232,666 272,019,338 120,213,328	889,075,246 598,311,861 290,763,385
(b) From animal hus- bandry	3,873 3,850 23	300,457,369 272,178,703 28,278,657	71,818 67,446 4,372	76,931,259, 73,105,463, 3,925,796	361,854,627 355,763,503 6,091,124	160,315,776 151,930,820 8,384,956	522, 170, 403 507, 694, 323 14, 476, 080
(e) Totals, Farm Origin Canadian origin Foreign origin	9,064 8,743 321	997,663,523 708,461,549 289,201,974	186,054 134,680 51,374		858,697,207 682,056,026 176,641,181	552,548,442 423,950,158 128,598,284	1,411,245,649 1,106,006,184 305,239,465
Wild life origin	234	14,338,686	3.767	4,783.323	12,847,817	8.013,222	20,861,039
Marine origin	730	28,644,442 1,148,558,242	16,367 163,863	5,411,855	21,496,859 313,088,964	13,469,401 409,180,102	34,966,260 722,269,066
Mineral origin Mixed origin Central electric stations	3,219 1,973	1,550,662,908	218.879 89.340 16,164	191,044,307 304,027,803 90,818,182 24,831,821	678,683,203 147,206,925	713,816,665 177,439,087 122,883,446	1,392,499,868 324,640,012
1930.							
Totals	24,020	5,203,316,760	644, 139	736, 092, 766	1,666,983,902	1,761,986,726	3,428,979,628
Farm origin— (a) Fom field crops. Canadian origin. Foreign origin	5,227 4,935 292	677,792,694 442,807,092 234,985,602	105,192 65,376 40,216	102,726,935 63,794,721 38,932,214	405,562,922 279,881,769 125,681,153	346, 124, 426 250, 225, 715 95, 898, 711	751,687,348 530,107,484 221,579,864
(b) From animal hus- bandry Canadian origin Foreign origin	3,749 3,724 25	288,981,837 258,475,777	67,601 62,208 5,393	70,062,906 65,344,316 4.718,590	297,742,312 290,108,983 7,633,329	155,591,217 145,415,948 10,175,269	453,333,529 435,524,931 17,808,598
(c) Totals, Farm Origin. Canadian origin. Foreign origin.	8,976 8,659 317	966,774,531 701,282,869 265,491,662	127,584	172,789,841 129,139,037 43,650,804	763,365,234 569,990,752 133,314,482	395.641,663	1,285,020,877 965,632,415 239,388,462
Wild life origin. Marine origin. Forest origin. Mineral origin. Mixed origin. Central electric stations	3,400 1,972		3, 437 10, 558 153, 295 205, 035 81, 063 17, 858	4,272,725 4,302,854 168,769,271 280,642,536 78,028,096 27,287,443	119.901,509	608,097,983 146,928,426	17,359,592 32,973,308 625,551,244 1,155,197,527 266,829,935 126,038,145

Principal Statistics of the Manufacturing Industries of Canada, Classified according to the Origin of the Material Used, by Main Groups for Representative Years 1924-31 -concluded.

Origin.	Estab- lish- ments.	Capital	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
1931.	No.	\$	No.	\$	\$	8	8
Totals	24,501	4,961,312,408	557, 426	624,545,561	1,223,880,011	1,474,581,851	2,698,461,862
-(a) From field crops. Canadian origin Foreign origin	5,480 5,176 304	426,592,615	97,854 61,774 36,080	95,618,772 61,767,114 33,851,658	297,554,312 198,558,986 98,995,326	304,333,253 216,955,059 87,378,194	601,887,565 415,514,045 186,373,520
th From animal hus- bandry Canadian origin Foreign origin	3.818 3.795 23	282,034,749 249,829,542 32,205,207	67.575 61,302 6,273	67.019.011 61.260.016 5.758,995	230, 102, 849 223, 820, 652 6, 482, 197	133,448,593 121,743,298 11,705,295	363,751,442 345,563,950 18,187,492
Canadian origin	9,298 8,971 327	938,543,834 676,422,157 252,121,677	165, 429 123, 076 42, 353	162,637,783 123,027,130 39,610,653	527,857,161 422,379,638 105,477,523	437,781,846 338,698,357 99,083,489	9\$5,639,007 761,077,995 204,581,012
Wild life origin	3,539 2,044	13, 212, 426 19, 085, 513 1,042,195,805 1,493,824,301 234, 461,578 1,229,988,951	4.268	4,260,161 2,761,423 135,553,459 221,522,345 71,503,434 26,306,956	8,856,762 11,920,834 190,406,914 382,280,998 102,557,342	6,961,971 6,906,059 284,850,613 483,731,307 132,039,325 122,310,730	15,818,733 18,826,893 475,257,527 866,012,305 234,596 667 122,310,730

Subsection 4.—The Forty Leading Manufacturing Industries.

There has been a number of significant changes in 1931 in the order of the ten leading industries arranged by gross production, aside from the appreciable decrease in the value of production in every case. In 1931 pulp and paper was again in the lead, followed by:—

- 2. Central electric stations (4).
- 3. Slaughtering and meat packing (2).
- 1. Non-ferrous metal smelting and refining (10).
- 5. Flour and feed mills (3).
- 6. Butter and cheese (6).
- 7. Electrical apparatus and supplies (8).
- S. Petroleum products (11).
- 9. Tobacco, eigars and eigarettes (12).
- 10. Railway rolling stock (7).

The changes that took place may be seen from the numbers in brackets which radicate the position of the ten leading industries in 1930. In addition to the above changes, sawmills which ranked fifth in 1930 and automobiles which ranked ninth fell respectively to thirteenth and fourteenth place in 1931.

On the basis of net value, or value added by manufacture, the order of importance of the industries in 1931 was very different from that based on gross values. The central electric stations industry was foremost in this respect and was followed by pulp and paper, tobacco, cigars and cigarettes, printing and publishing, nonferrous metal smelting and refining, electrical apparatus and supplies, bread and other bakery products, breweries, rubber goods and castings and forgings, in the order named. In salaries and wages paid, the pulp and paper industry ranked first again and was followed by railway rolling stock, printing and publishing, central

electric stations, electrical apparatus and supplies, castings and forgings, bread and other bakery products, sawmills, women's factory clothing and printing and bookbinding, in the order given. Tables 10, 11 and 12 which follow show the forty leading industries for 1931 classified according to gross value of products, the net value of products and salaries and wages paid.

10.—Principal Statistics of Forty Leading Industries, Classified according to the Gross Value of the Products, 1931.

		01140	s value of th				
No	Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
		No.	\$	No.	\$	\$	\$
2	Pulp and paper	103 1,011	630,176,540 1,229,988,951	26,669 17,014	34,792.013 26,306,956	63,947,678	174,733,954 122,310,730
4	packing Non-ferrous metal	147	62,481,905	9,294	11,626,678	91,276,842	117,596,697
	smelting and refining Floor and feed mills	14 1,265	175,669,195, 61,069,192	7,860 5,671	13,245,327 6,032,189	48.336,301 71,771,797	98,565,755 95,728,540
- 6	Butter and cheese Electrical apparatus and	2,676	52,381,144	11,965	12, 259, 926	64,661,837	95,728,398
	supplies	163	100,057,945	18,207	22,474,319	32,385,342	81.578.595
9	Petroleum products Tobacco, cigars and	32	68, 136, 281	4, 122	6.214,745	50,617,742	76, 158, 644
10	Railway rolling stock.	105 38	50,194,202 97,484,985	9,091 21,773	8,096,769 28,111,765	21,448,879 35,335,573	74,926,154 67,865,070
	Printing and publishing Bread and other bakery	. 764	65,573,014	16,918	26,375,663	14,029,548	65,700,122
	products	2,912 3,562	54,267,110 121,336,176	18,337 22,361	18,862,604 16,409,674	28,619,776 37,379,034	64,818,227 62,769,253
1.9	Sawmills Automobiles	26	59,638,057	9.545	13, 113, 192	36,476,355	59,674,345
	Clothing, factory,	471	21,430,983	15,648	15,018,195	30,955,973	54,140,770
	Rubber goods, including footwear	48	67,446,955	12, 158	11,708.387	17,630,081	52,691,230
	Castings and forgings Biscuits, confectionery,	333	95,377,318	17,049	19,203,234	18,598,048	51, 455, 296
	cocoa, etc	282 80	51,530,443 63,140,211	12.145 4.679	10,892,636 6,601,528	20, 207, 678 13, 289, 689	49,285,042 49,055,739
28	Breweries						
21	goods Sugar refineries	161	57,173,774 37,691,433	17,698 2,265	13,948,570 3,307,730	22,052,418 29,196,494	47,757,703 43,962,061
22	Cotton yarn and cloth	34	74,023,179	15,802	3,307,730 12,362,032	22,231,449	43, 136, 423
24	Sheet metal products Primary iron and steel.	157 53	52,352,956 104,512,104	7,988 8,026	9,265,806 11,072,054	20,230,852 15,291,414	39, 039, 005 36, 911, 245
25	Boots and shoes	184	25,844,168	14.150	12,340,283	17,949,804	36,625,565
26	Machinery	172 180	62,752,673 21,599,392	8,644 9,701	10,793,352 9,585,462	11,129,332 18,362,813	34,492,915 33,950,083
	Fruit and vegetable pre-						
29	Printing and bookbind-	278	48, 152, 325	6,329	4,509,377	18,668,100	32,572,580
30	Coke and gas products.	971 41	36,832,215 95,872,858	11,189 4,006	5,616,763	10,250,998 13,894,061	32,538,628 31,249,460
-31	Furniture Planing mills, sash and	372	36,657,497	10,007	10,047,027	10,588,707	27, 135, 171
	door factories	673	40,790,104	7,952	8,346,474	13,703,622	26,219,473
d-d-	Bridge and structural steel work	21	27,469,351	4,421	7,143,544	9, 132, 721	22,170,215
	Coffee, tea and spices Dyeing, cleaning and	59	13,500,659	1,639	2,251,103	14,384,811	21.987,257
	laundry work	407	25,621,564	11,772	10,671,615	1,968,029	21,024,684
36	Furnishing goods, mon's Fish curing and packing	167 662	16,649,101 19,085,513	8,139 4,268	5.787.221 2.761.423	11,534,873 11,920,834	20,978,478 18,826,893
38	Boxes and bags, paper	122	21,562,581	4,809	4,924,682	9,627,461	18,668,563
39	Paints, pigments and	75	24,985,476	2,780	4,281,861	7,974,852	18,536,463
40	Silk and artificial silk	23	32,205,207	6,273	5,758,995	6,482,197	18, 187, 492
	Total, Forty Leading Industries	18,852	4,002,714,737	428,364	476,725,368	993,535,015	2,140,752,918
	Total, All Industries. Percentage of forty lead-	24,501	4,961,312,408	557, 426	624,545,561	1,223,880,011	2,698,461,863
	ing industries to all Industries	76.94	80 - 68	76.85	76.33	81 - 18	79 - 33
_							

11.—Principal Statistics of Forty Leading Industries, Classified according to the Net Value of the Products, 1931.

_	Act value of the Fronders, 1991.											
No.	Industra	Estab-		Em-	Salaries	Cost	Value of I	Products.				
Z	Industry.	ments.	Capital.	ployees.	Wages.	Materials.	Net.	Gross.				
1	Central electric sta-	No.	\$	No.	\$	8	- \$	8				
2	tions	1.011 103	1,229,988,951 630,176,540	17,014 26,669	26,306,956 34,792,013	63,947,678	122,310,730 110,786,276	122,310,730 174,733,954				
	cigarettes	105	50, 194, 202	9.091	8,096,769	21,448,879	53,477,275	74,926,154				
4 5	Printing and publishing Non-ferrous metal	764	65,573,014	16,918	26,375,663	14,029,548	51,670,574	65, 700, 122				
	smelting and refin-	14	175,669,195	7,860	13,245,327	48,336,301	50, 229, 454	98,565,755				
7	Electrical apparatus and supplies	163	100,057,945	18,207	22,474,319	32,385,342	49, 193, 253	81,578,595				
8	ery products Breweries	2,912 80	54,267,110 63,140,211	18,337 4,679	18,862,604 6,601,528	28,619,776 13,289,689	36,198,451 35,766,050	64,818,227 49,055,739				
9	Rubber goods, in- cluding footwear	48	67,446,955	12, 158	11,708,387	17,630.081	35,061,149	52,691,230				
10	Castings and forgings Railway rolling stock	333	95,377.318 97,484,085	17.049 21,773	19, 203, 234 28, 111, 765	18,598,048 35,335,573	32,857,248 32,529,497	51,455,296 67,865,070				
12	Butter and cheese Biscuits, confection-	2,676	52,381,144	11,965	12, 259, 926	64,661,837	31,066,561	95,728,398				
14	ery, cocoa, etc, Slaughtering and	282	51,530,443	12,145	10,892,636	20, 207, 678	29,077,364	49,285,042				
15	meat-packing	147	62,481,905	9,294	11,626,678	91,276,842	26,319,855	117,598,697				
	Hosiery and knitted	161	57,173,774 68,130,281	17,698	13,948,570	22.052,418	25,705.285	47, 757, 703				
16	Petroleum products Sawnulls	3.562	121,336,176	4,122 22,361	6,214,745 16,409,674	50.617,742 37,379,034 71,771,797	25,540,902 25,390,219	76, 158, 644 62, 769, 253				
18	Flour and feed mills.	1.265	61,069,192 62,752,673	5,671 8,644	6,032,189 10,793,352	71,771,797	23,956,743 23,372,583	95,728,540 34,492,915				
50	Machinery Automobiles Clothing, factory,	26	59,638,057	9,545	13,113,192	36,476,355	23, 197, 990	59,674,345				
22	Printing and book-	471.	21,430,983	15,648	15,018,195	30,955,973	23, 184, 797	54,140,77(
23	Primary iron and	971	36, 832, 215	11,189	14,604,194	10,250,998	22,287,630	32,538,628				
24	Cotton yara and	53	104, 512, 104	8,026	11,072,054	15, 291, 414	21,619,831	36,911,24				
25	byeing, cleaning and	34	74,023,179	15,802	12,362,032	22, 231, 449	20,904.974	43, 136, 423				
26	hundry work Sheet metal products	407 157	25,621,564 52,352,956	11,772 7,988	10,671,615 9,265,806	1,968,029 20,230,852	19,056,655 18,808,153	21,024,684 39,039,005				
	Boots and shoes,	184	25,844,168	14,150	12,340,283	17.949,804	18,675,761	36,625,565				
	Coke and gas pro- ducts	41	95,872,858	4,006	5,616,763	13.894,061	17,355,399	31,249,460				
29	Furniture and uphol- stering	372	36,657,497	10,007	10.047.027	10,588,707	16,546,464	27, 135, 171				
30	Clothing, factory,	12	57,378,436		2,432,950	10 000 010	15,826,243	15,826,243				
33	Sugar refineries	180 8	21,599,392 37,691,433	9.701 2,265	9,585,462 3,307,730	18,362,813 29,196,494	15,587,270 14,765,567	33,950,083 43,962,061				
	Fruit and vegetable preparations	278	48, 152, 325	6,329	4,509,377	18,668,100	13,904,480	32,572,580				
34	Bridge and structural steel work	21	27,469,351	4.421	7,143,544	9,132,721	13.037.494	22,170,215				
35	Medicinal and phar- maceutical prepar- ntions.	144	17,848,713	2,866	3,858,591	5,590,546	12,520,248	18, 110, 794				
36	Planing mills, sash											
37	etc	673	40,790,104		8,346,474		12,515,851	26, 219, 473				
38	Paints, pigments and	23	32.205,207	6,273	5,758,995	6,482,197	11,705,295	18, 187, 492				
39	varnishes	75	24,985,476		4,281,861	7,974,852	10,561,611	18,536,463				
40	waters Furnishing goods,	402	13,923,371	2,440	3,007,861	3,300,776	9,763,577	13,064,353				
	met's	167	16,649,101	8,139	5.787,221	11,534,873	9,443,605	20,978,478				
	Total Forty Lead- ing Industries Grand Total, All	18,567	1,037,716,504		476,087,562			2,128,271,595				
	Percentages of forty	24,501	4,961,312,408	557,426	621,545,561	1,223,880,011	1,474,581,851	z,699,461,862				
	leading industries to all industries	75-7	81 · 4	76.2	76-2	78-9	78-8	78-8				

12.—Principal Statistics of Forty Leading Industries, Classified according to Salaries and Wages Pald, 1931.

-												
0.	Industry.	Estab-		Em-	Salaries and	Cost	Value of .	Products.				
No.	Industry.	ments.	Capital.	ployees.	Wages.	Materials.	Net	Gross.				
		No.	S	No.	2	2	2	\$				
1 2	Pulp and paper Railway rolling stock	103	630,176,540 97,484,985	26,669 21,773	34,792,013 28,111,765	63,947,678 35,335,573	110,786,276 32,529,497	174,733,954 67,865,070				
3	Printing and publish- ing.	764	65,573,014	16,918	26, 375, 663	14,029,548	51,670,574	65,700,122				
- 4	Central electric sta- tions		1,229,988,951	17.014	26,306,956	21,020,010	122,310,730					
5	Electrical apparatus	163	100,057,945	18, 207	22,474,319	32,385,342						
6	and supplies Castings and forgings Bread and other bak-	333	95.377,318	17,049	19,203,234	18,598,048	49,193,253 32,857,248	81,578,595 51,455,296				
7	ery products	2.912	54,267,110 121,336,176	18,337 22,361	18,862,604 16,409,674	28,619,776	36,198,451	64,818,227				
9	Sawmills Clothing, factory,	3,562				37,379.034	25,390,219	62, 769, 253				
10	Printing and book-	471	21,430,983	15,648	15,018,195	30,955,973	23, 184, 797	54,140,770				
11	binding Hosiery and knitted	971	36,832,215	11,189	14,604,194	10,250,998	22, 287, 630	32,538,628				
12	Non-ferrous metal	161	57,173,774	17,698	13,948,570	22,052,418	25.705,285	47,757,703				
	shielting and renn-	14	175,669,195	7,860	13,245,327	48.336,301	50, 229, 454	98,565,755				
13	Automobiles Cotton yarn and	26	59,638,057	9,545	13,113,192	36.476,355	23, 197, 990	59,674,345				
15	Boots and shoes,	34	74,023,179	15,802	12.362,032	22,231,449	20,904,974	43, 136, 423				
16	leather	184 2,676	25,844,168 52,381,144	14,150 11,965	12,340,283 12,259,926	17,949,804 64,661,837	18,675,761 31,066,561	36,625,565 95,728,398				
17	Rubber goods, in- eluding footwear	48	67,446,955	12.158	11,708,387	17,630,081	35.061.149	52,691,230				
	Slaughtering and meat packing	147	62,481.905	9,294	11.626,678	91,276,842	26, 319, 855	117,596,697				
	Primary iron and steel	53	104,512,104	8,026	11,072,054	15,291,414	21,619,831	36,911,245				
	Biscuits, confection- ery, cocon, etc	282	51,530,443	12,145	10,892,636	20, 207, 678	29.077,364	49,285,042				
21	Machinery	172	62, 752, 673	8,644	10,793,352	11,120,332	23,372,583	34,492.915				
23	Furniture	407 372	25,621,564 36,657,497	11,772 10,007	10,671,615 10,047,027	1,968,029 10,588,707	19,056,655 16,546,464	21,024,684 27,135,171				
	Clothing, factory, men's	180	21,599,392	9,701	9,585,462	18,362,813	15,587,270	33,950,083				
25 26	Sheet metal products Planing mills, sash	157	52,352,956	7,988	9,265,806	20, 230, 852	18,808,153	39,039,005				
	and door factories,	673	40,790,104	7,952	8,346,474	13,703,622	12,515,851	26, 219, 473				
27	Tobacco, cigars and cigarettes	105	50, 194, 202	9,091	8,096,769	21,448,879	53,477,275	74,926,154				
28	Bridge and structural steel work	21	27,469,351	4,421	7,143,544	9,132,721	13,037,494	22, 170, 215				
29	Breweries	80	63,140,211	4,679	6,601,528	13,289,689	35,766,050	49,055,739				
30	Petroleum products.	1.265	68, 136, 281 61, 069, 192	4,122 5,671	6,214,745 6,032,189	50,617,742	25.540.902	76, 158, 644				
31	Furnishing goods,	1,205		8, 139	5,787,221	71,771,797	23,956,743	95,728,540				
33	men's. Silk and artificial silk	23	16,649,101 32,205,207	6,273	5,758,995	11,534,873 6,482,197	9,443,605 11,705,295	20,978,478 18,187,492				
34	Brass and copper pro- ducts	127	24.351,059	4, 437	5,627,486	7,200,608	8,852,148	16,052.756				
35	Coke and gas pro-	41	95,872,858	4,006	5,616,763	13,894,061						
36 37	Hardware and tools. Agricultural imple-	t34	29, 988, 116	4,998	5,220,870	4, 156, 374	17, 355, 399 9, 114, 7 3 9	31,249,460 13,271,113				
29	ments	57 122	84,501,405 21,562,581	4,471 4,809	4,997,732 4,924,682	3,597,534 9,627,461	7,577,870 9,041,102	11.175.404 18.668.563				
39	Shipbuilding and re-	39	26, 494, 916	3,791	4,897,988	3,643,854	7, 469, 245	11,113,099				
40	Fruit and vegetable preparations	278	48, 152, 325	6,329	4,509,377	18,668,100	13,904,480	32,572,580				
	Total, Forty Lead-											
	ing Industries Grand Total, Ali	18,465	4,072,787,152	435,109	484,867,327	948,656,394	1,140,395,222	2,089,052,616				
	Industries Percentages of forty	24,501	1,961,312,408	557,426	624,545,561	1,223,880,011	1,474,581,851	2,698,461,862				
	leading industries to all industries	75· I	82-1	78-0	77-6	77-5	77.3	77-4				
	to all incluseries	10-1	00.1	10 0		13.0	11.0	11-4				

Section 3.—Provincial Distribution of Manufacturing Production.

Ontario and Quebec are the most important manufacturing provinces of Canada. Their combined production in 1931 amounted to \$2,161,000,000, or nearly 80 p.c. of the gross value of manufactured products of the Dominion. Of this amount Outario contributed \$1,312,000,000 and Quebec \$849,000,000. The proximity of Ontario to the coal fields of Pennsylvania, the water-power resources of the two provinces and their nearness to the larger markets of Canada and the United States have all contributed to the above result. British Columbia had, in 1931, the largest gross manufacturing production, \$176,000,000, and Manitoba the fourth, \$119,000,000. Nova Scotia, Alberta, New Brunswick and Saskatchewan followed in that order, with gross production from \$70,680,000 to \$44,265,000, succeeded by Prince Edward Island, with \$4,137,000.

Subsection 1.—The Manufactures of the Maritime Provinces, 1931.

Table 13 gives the statistics of the leading industries of each of the Maritime Provinces for the year 1931. In Prince Edward Island fish curing and packing, with a gross production of \$867,571, was foremost, followed by butter and cheese, with a gross production of \$678,757 and slaughtering and meat packing, with a gross production of \$375,650, etc. Manufacturing in Nova Scotia and New Brunswick is, of course, to a considerable extent dominated by the steel industry in the former and the forest industries in the latter, although there is a large sugar refinery in each province. The pulp and paper industry, with a gross value of production of \$13,409,525 in 1931, was the most important industry in New Brunswick, followed by saw-mills with an output valued at \$3,534,442. These two industries combined provided over 30 p.c. of the gross manufacturing production of the province. In Nova Scotia, the primary iron and steel industry was dominant, with an output valued at \$8,215,412. Other leading industries in order of their importance being fish-curing and packing, pulp and paper, central electric stations, railway rolling stock, butter and cheese, etc.

13 .- Statistics of the Leading Industries of each of the Maritime Provinces, 1931.

Note.—Other leading industries, statistics of which cannot be given because there are fewer than three establishments in each industry, are: in Prince Edward Island, tobacco, cigars and cigarettes, and railway rolling stock; in Nova Scotia, petroleum, sugar refineries, braweries, coke and gas products; in New Brunswick, sugar refineries, cotton yarn and cloth, and railway rolling stock. The statistics for these industries are included in the item "all other leading industries."

PRINCE EDWARD ISLAND.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	8	\$	8
1 Fish curing and packing	97	183.015		92.982	626, 366	867,571
2 Butter and choese	36	256, 120	110	75,841	504,818	678,757
3 Slaughtering and meat packing	4	119,659	51	43,370	334,547	375,650
4 Central electric stations	12	1.095.885	54	59,019	-	270.445
5 Flour and feed mills	18	102,910	19	9.533	163,029	215.968
6 Printing and publishing	4	281,695	104	96,030	28,318	208,518
7 Custings and forgings	3	373,869	82	65, 225	81,303	198, 080
8 Planing mills, sush and door fac-						
tories	4	215,892		40,828	123.511	181, 180
9 Bread and other bakery products	9	108,531	41	32,767	84.144	168,086
10 Sawmills	61	125, 182	64	13,189	67, 154	115,464
11 All other leading industries1	3	447,539	84	119,976	87,822	270,472
Total, Leading Industries	251	3,310,297	942	648,760	2,101,012	3,550,191
Total, Ali Industries	290	4,019,288	1,170	809,122	2,349,367	4,136,576

13.—Statistics of the Leading Industries of each of the Maritime Provinces, 1831. —concluded.

NOVA SCOTIA.

No.	Industry.	Estab- lish- ments.	Capital. invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products,
		No.	\$	No.	\$	\$	\$
2 3 4 5 6 7 8 9 10 11 12 13 14	Primary iron and steel. Fish curing and packing. Pulp and paper. Central electric stations. Railway rolling stock. Butter and cheese. Biseuits, confectionery, etc Sawmills. Printing and publishing Hosiery and knitted goods. Breud and other bakery products. Shipbuilding and repairs. Castings and forgings. All other leading industries. Total, Leading Industries.	66 207 6 79 3 30 10 635 32 32 73 11 15 6	18, 430, 500 3, 419, 681 12, 796, 553 28, 328, 512 6, 303, 482 1, 266, 472 2, 557, 552 2, 283, 645 2, 013, 249 945, 702 3, 447, 758 2, 459, 714 20, 529, 927	1,699 610 786 408 314 914 1,640 687 607 408 528 518 1,033	1,880,158 1,042,461 893,057 1,002,111 498,943 342,294 922,080 566,980 892,003 461,800 347,208 618,273 636,483 1,394,596	1,222,618 363,679 842,961 732,962 365,731	8, 215, 412 5, 901, 801 4, 777, 752 3, 954, 156 3, 889, 486 2, 714, 244 2, 651, 868 2, 460, 783 0, 1056, 385 1, 626, 623 1, 437, 777 1, 435, 299 15, 569, 765 58, 346, 343
	Total, All Industries	1,449	129, 521, 727		14,881,673	33,288,250	70,679,503

NEW BRUNSWICK

25 6	1,232,272 14,835,528 118,085,144	2,668	367,848 3,039,426 9,989,499	6, 194, 484	1,004,35 11,158,40 46,132,49
20					
20	1,232,272	0.50	007,845	100,020	1,004,35
		390	907 010	385.323	2 0011 4 0111
30	315,924	70	56,730	764,646	1.066,08
11	1,986,606	454	530, 149	325,069	1,076,73
9	396, 173	115	138,500	893, 490	1, 134, 30
21	1,198,680	493	595, 258	206.527	1,257,43
67	860.895	358	368.093	739,181	1,492,79
34	1.034.659	183		989.032	1,538,95
9		476	393, 105		1,947.51
5					2.229.18
					2.351.65
					2.931.09
					13,409,52 3,534,44
	9 34 67 21 9 11 30	246 10, 252, 845 40 30, 588, 422 165 2, 209, 364 5 1, 476, 217 9 1, 862, 515 34 1, 934, 659 21 1, 196, 660 9 306, 173 11 1, 986, 606 30 315, 924	246 10, 252, 845 1, 785 40 30, 588, 422 432 165 2, 209, 304 704 5 1, 476, 217 132 9 1, 862, 515 476 34 1, 034, 659 183 67 860, 895 358 21 1, 198, 660 493 9 396, 173 115 11 1, 986, 606 454 30 315, 924 70	246 10, 252, 845 1, 785 960, 518 40 30, 588, 422 432 334, 167 165 2, 209, 364 704 305, 086 5 1, 476, 217 132 158, 847 9 1, 862, 518 476 393, 105 34 1, 034, 659 183 188, 749 67 860, 895 358 368, 093 21 1, 196, 660 483 585, 258 9 396, 173 115 138, 500 11 1, 186, 066 454 550, 149 30 315, 924 70 56, 730	246 10, 252, 845 1,785 960,518 2, 203, 158 40 30,588, 422 432 534, 167 155 2, 209, 364 704 305,086 1,587, 181 5 1, 476, 217 132 158,847 1,725,382 393,105 753,479 9 1,862,515 476 393,105 735,479 34 1,934,659 183 188,749 980,032 67 800,895 358 368,093 739,181 739,181 21 1,196,660 493 595,258 206,527 9 396,173 115 138,500 893,490 11 1,886,606 454 530,149 325,069 30 315,924 70 56,730 764,646

Subsection 2.—The Manufactures of Quebec, 1931.

The pulp and paper mills of Quebec, the most important manufacturing unit of the province, produced goods to the gross value of \$85,162,453 in 1931. This exceeded by nearly \$20,000,000 the gross value of products of the tobacco, cigar and cigarette industry (\$65,566,797), which was followed by the output of central electric stations (\$42,010,665), non-ferrous metal smelting and refining (\$34,242,461), cotton yarn and cloth (\$30,749,771), railway rolling stock (\$29,874,473), women's factory clothing (\$28,755,336), etc. A change took place in the ranking of some of the important industries of the province. The non-ferrous metal smelting and refining industry advanced from eighth place in 1930 to fourth place in 1931, while sawmills dropped from fifth to seventeenth place. Other important changes were cotton yarn and cloth, which advanced from sixth to fifth place, and railway rolling stock, which dropped from third to sixth place.

The importance of the pulp and paper industry in Quebec is shown by a comparison with the industry throughout the Dominion. The Quebec section of the industry, in addition to supplying about ten per cent of the total gross value of all products manufactured in the province, furnished forty-nine per cent of the products of pulp and paper mills throughout the country. The gross value of cotton yarn and cloth products from Quebec mills formed over seventy-one per cent, the gross value of cigars, cigarettes and tobacco formed eighty-seven per cent, the value of railway rolling stock forty-four per cent, and the value of boot and shoe products about sixty per cent of the Dominion totals for these products. Thus Quebec is an outstanding manufacturing province rather on account of her great individual industries than because of the diversification of her industrial activity.

14.—Statistics of Forty Leading Industries of the Province of Quebec, 1931.

No.	industry.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products,
		No.	\$	No.	8	8	8
1	Pulp and paper	45	309,875.059	13.094	15,790,188	30,712,881	85, 162, 453
	Tobacco, cigars and cigarettes.	62	43,710.965	7.993	7,038,159	18,944,600	65,566,797
	Central electric stations.	132	495,841.547	4, 132	6.162,591	-	42,010,665
4	Non-ferrous metal smelting and		AT 000 000	1 501	0 110 050	*D 047 047	04 040 401
	refining	4	41,998,069	1.58i IO.294	2,118,257	19,947.347	34,242,461
3	Cotton yarn and cloth	15	50,229,924 40,774,954	9.543	8.071,269 12.119,754	17,014,601 16,282,258	29,874,473
	Railway rolling stock	210	9,405,047	7,586	7. 193. 285	16,655,555	28,755,330
	Boots and shoes	108	15, 423, 870	8, 939	7,489,561	10, 877, 615	22.041,49
	Slaughtering and most packing	33	8,597,940	1,744	2,177,727	16,400.780	21,633,35
	Clothing, factory, men's	119	11,198,461	4.967	4,678,024	11.088.565	20.378.47
1	Butter and cheese	1.318	7.958,113	2, 155	1,083,583	14,765,907	20,079,92
2	Breweries	9	21,941.162	1.696	2,249,328	5,173,576	19,782,98
3	Electrical apparatus and supplies	19	29, 618, 117	5,378	6.954,779	6, 263, 910	16, 724, 17
	Bread and other bakery pro-						
	ducts	916	15, 163, 817	4.928	4,831,284	7,481,417	16,656,41
	Petroleum products	7	17,829,309	877	1,385,380	9.248.074	15,990,71
	Printing and publishing	66	16,483,260	4,392	5,919,068	3,579,753	15,826,67
7	Sawmills	1,323	29, 138, 698	5, 432	3,253,676	9,755,981	15, 333, 19
	Castings and forgings	73	24, 168, 917	3,590	4,027.328	5,202,499	13,284,33
3	Biscuits, confectionery, cocoa,	00	11 707 810	0 504	0.010.000	E 005 Too	10 000 04
	etc	60	11,505,718	3.524	2.916.538	5,995,102	13,027,04
	Hosiery and knitted goods	41	15,014,783	4.514	3,305,343 3,926,131	6,057,307 4,311,512	12,875,15 12,425,85
113	Silk and artificial silk	352	23, 197, 123 6, 076, 659	4,306 888	907, 271	9,420,105	12, 118, 58
9	Rubber goods, including foot-	202	0,010,000	000	304,211	3,120,100	14.110,00
119	were grown, mending 1000	10	10,403,271	3.809	2,945,942	3,102,742	10,933,58
14	Furnishing goods, men's	73	6.730,407	4,114	2.653.332	5,856,137	10,205,80
	Sheel metal products	25	11,787,935	2,172	2,352.548	4,949,389	9,960.95
	Printing and bookbinding	266	8,680,501	2,944	3,656,997	2,615,367	8,133,57
	Machinery	31	19,594,103	2,771	3,227,540	3,790,520	7,635,19
ĸ	Bridge and structural steel work	4	7.257,432	1,440	2,580,520	2,966,111	7,530,96
29.	Cement	3	25,375,046	724	942,829	-	7,092,89
18	Planing mills, sash and door		0 440 000		0 -40 000		# 200 00
	factories	250	9,448,033	2,075	2,012,689	4,264,178	7.006,26
	l'aiots, pigments and varnishes.	16	11,936,472	1,091	1,622,021	2,878,512	6,771.05
52	Shipbuilding	5 8	10,268,460	2,122	2,688.326	2,364,344	6,655,40
14	Distilleries	99	17,336,051	823 1.255	864,329	2.018.767	6,409,39
15	Fur goods	6	5, 237, 140 12, 345, 765	936	1,490,865 1,154,628	3.812.277 2.538.081	6,103,68
	Miscellaneous textiles	61	2,883,170	1,798	1,758,108	3.090,118	5,953,01
7	Hats and caps	114	5.577.092	923	1,149,945	1,257,932	5,532,94
	Medicinal and pharmaceutical	444	0.011,002	520	4,130,030	1,501,005	0,002,01
	preparations	48	5,871,701	976	1,347,376	1.704.060	5.512.09
ts.	Dyeing, cleaning and laundry				-10111=10	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,010,00
	work	86	6.986,680	3,071	2,810,556	513.887	5,499,91
ı	Primary iron and steel	14	12,753,170	1.770	2,205,216	1,770,846	5,408,50
	Total, Forty Leading Indus-	2 001	1 497 099 044	140 300	154 000 000	205 570 510	con 004 en
	tries	6,054	1,435,623,941	146,367	151,062,289	295,572,613	692,894,28
	Total, All Industries. Percentage of forty leading in- dustries to totals of all indus-	7,505	1,662,811,076	180,808	187,362,564	369,044,132	849, 154, 35
	tries in the province	80 - 67	86-34	80-95	80-63	80.09	81-6

Note.—Statistics for sugar refining, which is also one of the leading industries of this province, cannot be published because there are fewer than three establishments reporting.

Subsection 3.—The Manufactures of Ontario, 1931.

Ontario is the most important manufacturing province of the Dominion. The gross value of its manufactured products in 1931 represented nearly 49 p.c. of those of the whole Dominion, while those of Quebee, the second province in importance in this respect, amounted to about 31 p.c. This premier position in manufacturing has been fairly uniformly maintained by Ontario over a long period, as the following percentages show: in 1926, 52 p.c.; in 1918, 53 p.c.; 1910, 50 p.c.; 1900, 50 p.c.; 1890, 51 p.c., and 1880, 51 p.c. Thus, in spite of the rapid industrial development in recent years in other provinces such as Quebec, British Columbia and Manitoba, Ontario is maintaining a manufacturing production equal to that of the remainder of the Dominion.

The electrical apparatus and supplies industry of Ontario in 1931 came first in the value of its products. This amounted to \$63,773,155, as compared with \$57,790,525 for the automobile industry, which held second place. Other important industries, in descending order, with the value of their products in 1931, were: slaughtering and meat packing, \$56,977,583; pulp and paper, \$53,370,428; flour and feed mills, \$52,802,419. Due to the general depression which still prevailed in 1931, the five leading industries of Ontario, in common with many others, reported considerable decreases in the gross value of production, as compared with the previous year. The output of the automobile industry declined \$39,000,000, slaughtering and meat packing, \$26,000,000, flour and feed mills, \$23,000,000, pulp and paper, \$15,000,000 and electrical apparatus and supplies, \$15,000,000. An important change also took place in the ranking of the leading industries. Automobiles, which for a number of years ranked as the premier industry of Ontario, declined to second place in 1931, while electrical apparatus and supplies jumped from third place in 1930 to first place in 1931.

Indicating the greater diversification of industry in Ontario as compared with Quebec, the percentages which the forty leading industries bore to the total manufactures of the province were higher in nearly every particular in Quebec than in Outario, especially in the capital employed and the number of establishments and employees. Outstanding among the industries in which the province of Ontario was pre-eminent, was that of automobile manufacturing, which was carried on practically in this province alone. Other important industries in which Ontario led, with the percentage which the production of each bore to that of the Dominion in 1931, were as follows: agricultural implements, 95 p.c.; leather tunneries, 86 p.c.; rubber goods, 79 p.c.; furniture and upholstering, 75 p.c.; fruit and vegetable canning, preserving, etc., 73 p.c.; electrical apparatus and supplies, 78 p.c.; castings and forgings, 63 p.c.; primary iron and steel, 59 p.c.; slaughtering and ment packing, 48 p.c.; flour and feed mills, 55 p.c.; hosiery and knitted goods, 67 p.c.

15 Statistics of Fort	y Leading Industries of	the Province of Ontario, 1931.
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Ž Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
1 Electrical apparatus and supplies 2 Automobiles	17 65 39 670	\$ 69,428,399 55,723,198 35,106,629 194,772,433 26,514,046 463,410,859	9,057 3,956 7,994 2,837	\$ 15.187,472 12.353,378 5,060,574 11,251,394 2,908,684 12,285,699	\$ 25.795,176 35,169,607 44,745,155 21,313,577 41,184,301	\$ 63,773,155 57,790,525 56,977,583 53,370,428 52,802,419 46,542,982

15-Statistics of Forty Leading Industries of the Province of Ontario, 1931-con.

No.	Industry.	Estab. lish- ments.	Capital Invested.	Em- ployees	Salaries and Wages	Cost of Materials.	Value of Products.
		No.	\$	No.	8	\$	8
7	Butter and cheese	979	27,774,983	6,592	7,095,919	30, 244, 116	46, 158, 458
	wear	35	56,646,741	8,323	8,737,251	14,513,187	41,702,910
"	refining	7	71, 767, 290	2,775	4,782,623	19, 201, 719	41, 257, 258
10	Castings and forgings	185	58, 143, 816	11, 173	12,276.945	11,524,673	32, 412, 061
11	Hosiery and knitted goods Bread and other bakery pro-	106	38, 683, 135	12, 120	9,831,190	14,670,781	32, 132, 789
2.44	ducts	1.158	24.928.605	8,939	9,566,772	13,379,923	31,655,238
13	Petroleum products	6	25.302.533	1.990	2,846,235	19,494,123	30, 132, 867
	Printing and publishing	290	30,260,353	7.233	11.728.557	6,895,195	
	Biscuits, confectionery, etc	113	28, 169, 467	5,938	5, 296, 307	10.149.562	26, 429, 383
	Machinery	118	41.365.110	5.596	7.189.575	7,091,858	25, 798, 631
	Sheet metal products	82	27, 773, 106	4.571	5,379,863	12,844,616	
	Fruit and vegetable preparations	167	37,922,683	4.251	3.115.544	13, 183, 460	
	Clothing, factory, women's	218	10, 774, 253	7,110	6,987,696	12,494,068	
	Primary iron and steel	22	70, 243, 562	3,894	6,450,204	9,674,663	
	Furniture	210	28, 838, 071	7,437	7,555,537	7,998,698	20, 252, 13
	Coke and gas products	21	54, 857, 209	2.620	3,738,680	8, 169, 764	19,675,77
	Printing and bookbinding	425	19.542.119	5.585	7, 436, 687	5, 439, 537	17, 146, 41
	Breweries	34	19, 483, 105	1.577	2.225.554	3,982,769	
	Leather tanneries	35	19,370,853	2,484	2.766.121	8, 158, 227	13,625,14
ß.	Railway rolling stock	16	25,039,650	3,432	4,746,612	7, 161, 394	
	Boots and shoes, leather	62	9.307.124	4.786	4.481.955	6,524,503	
	Planing wills	276	19,742,587	3,778	4.088,394	6,780,923	13, 213, 24
19	Soaps and washing compounds.	34	10.335.751	1.105	1.630.080	6.181.665	12,912,75
	Sawmills,	882	35,409,700	4.445	3.362.249	7,702,564	12,789,68
	Clothing, factory, men's	48	9,790,324	4,281	4,577,521	6.621.244	
	Automobile supplies	52	14.912.157	2,680	3.167.739	6.507.819	12,002,45
	Medicinal and pharmaceutical						
	preparations	79	10,343,616	1.675	2,248,062	3.499.692	11,453,25
14	Boxes and hags, paper	74	12,044,386	2,718	3,094,789	5,735,465	11.035.34
	Brass and copper products	84	15,309,579	2,757	3,380,148	5,387,475	10,988,50
	Agricultural implements	41	82,293,715	4,231	4,747,062	3,416,964	10,612,67
	Woollen cloth	34	17, 101, 397	3,616	3,394,512	4,478,886	10,555,65
	Cotton yarn and cloth	14	16,833,417		3,347,038	3,974,616	9,634,21
	Paints, pigments and varnishes.	41	9,676,405		2,135,866	3.901.260	9,361,08
	Tobacco, cigars and cigarettee.	28	6,336,351		977, 737	2, 435, 628	9,121,50
	Totals, Forty Leading Indus-	7.325	1,831,278,717	200,095	233, 435, 125	A79 119 922	1.020,559.15
	1ries	6,060	1,701,017,111	700,000	Artist Total E-6-0	2104 X EO 4 O-010	T10.40 (100,0,4 t de
	Totals, all Industries Percentage of forty leading in- dustries to total of all indus-	10,140	2,285,361,451	269,739	313,676,300	597,879,792	1,312,400,82
	tries	72 - 23	80-13	74-18	74 - 42	78 - 29	77.7

Subsection 4.—The Manufactures of the Prairie Provinces, 1931.

The slaughtering and meat packing industry is outstanding among the manufactures of the Prairie Provinces when treated as a single unit. During 1931, as may be seen from Table 16, the gross value of production of slaughtering and meat packing plants was \$29,134,827 (Manitoba, \$15,864,297; Saskatchewan, \$2,859,413, and Alberta, \$10,411,117). The second industry from the point of view of gross production was flour and feed mills, with products valued at \$27,836,393 (Manitoba \$8,407,008; Saskatchewan, \$10,080,986, and Alberta \$9,348,399). Butter and cheese comprised the third largest industrial group, with an output valued at \$20,305,427, followed by railway rolling stock \$17,638,335; central electric stations \$15,908,379; petroleum products, \$15,856,792, etc.

The order of the leading industries is somewhat different in each province. In Manitoba, the leading industries, with their gross value of products in 1931, were as follows: slaughtering and meat packing, \$15,864,297; railway rolling stock,

\$13,729,251; flour and feed mills, \$8,407,008; butter and cheese, \$7,880,745 and central electric stations, \$6,778,905. In Saskatchewan the leading industries were: flour and feed mills, \$10,080,986; butter and cheese, \$6,573,427; central electric stations, \$4,454,617. The output of petroleum products is another leading industry in Saskatchewan, but owing to the fact that there are fewer than three establishments, statistics cannot therefore be published. In Alberta, slaughtering and meat packing, with an output of \$10,411,117, was the leading industry. This was followed by flour and feed mills, \$9,348,399; petroleum products, \$8,389,577; butter and cheese, \$5,851,255, and central electric stations, \$4,674,857.

The importance of these industries, based on such natural resources of the Prairie Provinces as grain-growing and eattle-raising areas, is evident.

16.—Statistics of the Leading Industries of Manitoba, Saskatchewan and Alberta,

Nove.—Other leading industries, statistics of which cannot be given because there are fewer than three establishments in each industry, are: in Manitoba, pulp and paper, bridge and structural steel work, non-ferrous metal smelting and refining, cement and malt products: in Saskatchewan, petroleum refining and automobiles; in Alberta, sugar refining, wood preservation and cement. The statistics of these industries are included under the heading "all other leading industries."

MANITOBA

No.	Industry.	Establish- nients.	Capital. Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
		No.	\$	No.	8	8	8
1	Slaughtering and meat packing	8	4,036,584	1,166	1.448,923	12,238,585	15,864,297
2	Railway rolling stock	4	14,379,405	5.345	6,819,632	6,389,126	13,729,251
3	Flour and feed mills	38	5.242.316	524	546,344	5,896,260	8,407,008
-4	Butter and cheese	72	4,958,838	989	1,449,466	4,832,398	7,880,745
5	Central electric stations	39	66,235,343	1,244	2,001,487	-	6,778,905
6	Printing and publishing	72	4,352,833	1,165	2,022,985	803, 197	4,691.546
7	Bread and other bakery products.	133	3,052,782	958	1,002,683	1,569,133	3,393,408
8	Printing and bookbinding	72	3,998,755	1,189	1,582,427	1,040,030	3,328,761
9	Breweries	7	4,883,673	473	737,216	724,668	3,224,507
10	Bags, cotton and jute	6	1,998,080	229	276, 265	2,062,397	2,723,128
11	Coffee, ten and spices	8	1,606,502	159	197, 295	1,711,488	2,430,769
12	Clothing, factory, women's	23	887,994	632	551.539	1,276.720	2,103,119
13	Furnishing goods, men's	15	1,641,075	763	560,984	1.086.433	1,963,224
14	Dyeing, cleaning and laundry work	22	1,838,128	887	864,306	190,647	1,729,588
15	Biscuits, confectionery, cocoa, etc	19	1,852,019	453	458,242	803,839	1,540,171
16	Sheet metal products	14	2,809,156	500	610, 387	524,611	1,350,471
17	Coke and gas products	4	5,506,875	184	232,949	475,333	1, 183, 196
18	Planing mills, sash and door fac-		0.410.474	0	004.084	E00 (80	1 074 FOR
	tories	15	2,115,474	327	394,254	539,472	1,074.561
	Boxes and bugs, paper	8	1,376,478	246	269,826	547,690	1,068,377
	Fur goods	18	717,345		278,006	586,949	1,048,180
21	All other leading industries	7	31, 176, 717	1,516	2,833,811	4,425,055	14,981,792
	Total, Leading Industries	604	164,666,372	19,220	25, 139, 027	47,724,031	100,495,001
	Grand Total, all Industries	955	191,935,311	24,193	30,706,209	55,149,392	118,540,865

16.—Statistics of the Leading Industries of Manitoba, Saskatchewan and Alberta, 1931.—concluded.

SASKATCHEWAN

Industry	Establish- ments.	Capital Invested	Em- ployees.	Salaries and Wages	Cost of Materials.	Gross Value of Products.
	No.	8	No.	8	8	\$
1 Flour and feed mills	60 73 128	11,307,165 3,991,100 25,401,277	506 701 725	658, 492 866, 239 1, 005, 370	6,489,488 4,620,231	10,080,986 6,573,427 4,454,617
4 Slaughtering and meat packing	5	1,763,144	392	465,417	2,112,440	2,859,413
5 Printing and publishing	13	2,816,826	816	1.328,904	504, 141 963, 523	2,765,705 2,572,816
6 Breweries	11 156	4,373,128 3,026,717	234 678	333, 663 668, 036	1,026,097	2,217,090
tories	15	1,667,843	205	221.576	315,228	629,893
1) Dyeing, cleaning and laundry work	18	963,886	336	330,943	80,697	616,332
Printing and bookbinding	29	509,095 7,692,932	164 406	236,578 558,358	159,311 5,389,034	512,993 8,430,005
Total, leading Industries	511	63,513,113	5,163	6,673,576	21,660,190	41,713,277
Grand total, ali Industries	768	68,547,866	6,061	7,546,703	22,540,618	44,265,151
		ALBERTA				
1 Slaughtering and meat packing	7	7,391,921	1,144	1.371.770	7, 795, 609	10,411,117
2 Flour and feed mills	75	9,468,626	692	791, 193	6,639,001	9,348,399
3 Petroleum products	.7	7,534,141	318	487, 218	6,310,069	8,389,577
4 Butter and cheese	99	3,887,333		717,559 1,083,851	4,137,460	5,851,255 4,674,857
5 Central electric stations	71	27,556,419 6,843,830		2,149,306	1,671,133	3,909,084
7 Printing and publishing	81	3,127,224	786	1.364.166	580, 1891	3.165.1099
8 Bread and other bakery products.	154	2,839,239		731,977	1,220,681	2,734,158
9 Broweries	5	5,607,863	229	371,818	769,024	2,686,153
Biscuits, confectionery, cocos, etc.	16	1.677,336	289	384,679	718,873	1,628,648
1 Dyeing, cleaning and laundrywork	20	1,423,791	642	560,796	120, 127	1,051,697
2 Printing and bookbinding	48	1,470,970		482,578	284,722	1,003,371
All other leading industries	5	10,062,166	451	612,640	1,939,240	4,095,275
Tell Other leading, medistrico			0 040	11,169,551	32, 186, 128	58,948,990
Total, Leading Industries	591	88,800,850	8,717	11,109,331	0.000,100	90,810,886

Subsection 5.—The Manufactures of British Columbia, 1931.1

British Columbia was in 1931 the third most important manufacturing province in the Dominion, producing goods to a gross value of \$175,707,337. About 15 p.c. of this production, or \$26,831,490, is seen in Table 17 to be that of sawmilling industry; the predominance of forest products industries in the industrial life of the province is emphasized if to this figure be added \$14,892,646, the value of products of the pulp and paper industry and \$1,598,116, that of planing mills and sash and door factories. Second in importance among the industries of the province is that of pulp and paper, with a gross value of products of \$14,892,646, followed by central electric stations, \$10,693,004; fish curing and packing, \$9,229,359; slaughtering and meat packing, \$8,183,387; petroleum products, \$7,720,202, etc. Fish curing and packing which usually ranks as the second industry declined to fourth place in 1931.

¹ Including the Yukon Territory.

17 .- Statistics of the Leading Industries of British Columbia, 1931.

No.	Industry.	Estab- lish- ments.	Capital.	Em-	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
-							
		No.	\$	No.	\$.	\$	\$
1	Sawmills	238	39,937,434	8,016	7,635,268	15,630,066	26,831,490
72	Pulp and paper	6	52, 256, 905	2,553	4,005,088	4,118,602	14,892,646
	Central electric stations	76	91,530,687	1,337	2,172,661	- F00 A07	10.693,004
9 5	Fish curing and packing	99	12.969,484	1,201	1,209,986	5,533,437	9,229,359
6	Petroleum refining	4	4,955,000 5,181,807	691 312	884,697	6,618,842 6,292,684	8,183,387 7,720,202
7	Printing and publishing	67	4,770.518	1.361	550,645 2,428,692	1.068.549	
8	Bread and other bakery pro-	01	7,550,010	1,501	2, 420. U(a)	1,000,048	0,013,083
	ducts	246	3,320,822	1.312	1.313.784	2.386.238	4.874.417
9	Butter and cheese	35	1,253,526	339	440,278	2,790,989	4, 252, 636
10	Coffee, tea and spices	7	1,360,593	150	168,915	1,930,099	3,827,786
	Fruit and vegetable preparations	33	3,903,606	851	633,867	2,216,113	3,260,001
12	Breweries	10	5, 173, 448	264	426, 439	917,301	3,018,197
13	Sheet metal products	20	8,734,695	511	654,667	1,644,761	2,970,289
14	Coke and gas products	6	12,925,218	429	581,619	978,060	2,752,413
10	Dyoing, cleaning and laundry	20	0 410 000		* 000 004	1500 000	0 500 510
10.47	work	58	2,410,300	1,512	1,386,991	200,977	2,502,710
17	Distilleries	4	7,583,182	251	312,785	983,890	2,082,644
3.6	Biscuits, confectionery, cocon,	48	1,621,717	539	516.858	865,185	2.040.951
19	Castings and forgings	29	3.813.636	692	962.816	628, 665	1.980,241
	Shipbuilding and repairs	16	5,661,321	695	995,720	539,999	1,916,448
29	Printing and bookbinding	82	1.849.493	620	839.562	513.963	1.683,498
21	Planing mills, sash and door	-	2,010,100	020	0001000	0.00,000	2,000,300
	factories	44	2.749,095	584	686.393	609,582	1,598,118
22	Boxes, wooden	17	1.330, 166	475	425,884	705.897	1.413,534
23	Flour and feed mills	6	1,813,727	107	132,811	915.539	1,262,684
24	Furniture	39	1,580,361	577	488,053	484,474	1,217,632
25	Paints, pigments and varnishes.	9	1.517.466	157	212,075	571.574	1.020,725
26	All other leading industries2	10	68,973,581	4,087	6,791,373	14,162,534	30, 143, 131
	Total, Leading Industries	1,221	349, 177, 788	29,623	36,857,925	73,308,020	157,012,835
	Total, All Industries	1,636	382,525,614	34,375	42,642,340	81,908,435	175,707,357
	Percentage of leading industries to total of all industries	74 - 63	91.28	86.18	86-44	89-50	89.37

Uncluding the Yukon Territory.
Includes a gar refining, condensed milk, bridge and structural steel work, non-ferrous metal smelting and refining, cement and explosives

Section 4.—Principal Factors in Manufacturing Production.

Subsection 1.- Capital Employed.

In a retrospective study of capital employed in Canadian matufactures since 1900, the remarkable increase denotes rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000, and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands and over, and while the rise in wholesale prices did not exceed 37 p.e., the capital employed in manufactures increased nearly 340 p.c.

The capital investment in 1931 in all establishments irrespective of the number of employees was \$4,961,312,408 as compared with \$5,203,316,760 in 1930, and with \$2,696,154,030 in 1917, an increase of 84 p.c. in 14 years.

The provincial distribution of the manufactures of Canada may be illustrated by the investment of capital. Capital employed in Ontario during 1917 was 48·3 p.c. of the total, 52·4 p.c. in 1923 and 46·0 p.c. in 1931. The percentages employed in the plants of Quebec were: 29·4 in 1917, 29·5 in 1924 and 33·5 in 1931. British Columbia held third place in 1931 with a capital of 7·8 p.c. of the total, while Manitoba, Nova Scotia, New Brunswick, and Alberta followed in the order named, with proportions of between 3·8 p.c. and 2·2 p.c. each. (Table 18.)

From a survey of the industrial groups in which the capital of the country is invested, it appears that the central electric stations industry led in 1931, with an investment of 24·8 p.c. of the total. The wood and paper group was second with 21·2 p.c., the iron and steel group third with 13·6 p.c. and the vegetable products group fourth with 11·0 p.c. Up to 1930, the wood and paper group was always first in the amount of capital invested, but in 1931 the central electric stations group assumed the premier position. (Table 18.)

The statistics of capital employed in the manufacturing industries are of interest in deducing the proportions of fixed and liquid assets. In 1923, land, buildings, machinery and tools constituted 64 p.c. of the total capital, while in 1929 the proportion had increased to 66 p.c. and in 1931 to 71 p.c. The fixed assets amounted to \$3,526,611,580 in 1931, while current assets, including inventories of raw materials and finished products, bills and accounts receivable, cash and sundries, were valued at \$1,434,700,828. Details by provinces and industrial groups are given in Table 19.

 Distribution of Capital Employed in the Manufacturing Industries of Canada, in Percentages, by Provinces and Industrial Groups, 1917-31.

Province.	1917.	1921.	1923.	1924.	1925.	1926.	1927.	1928.	1929.	1930.	1931.
Prince Edward Island Nova Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia and Yukon	0·1 4·8 2·4 29·4 48·3 3·5 1·1 2·3 8·1	0·1 3·3 3·1 30·8 50·6 2·9 1·0 1·7 6·5	0·1 3·3 2·5 29·8 52·4 2·7 0·9 1·8 6·5	0·1 3·1 2·5 29·5 51·8 3·1 0·9 1·9 7·1	0·1 3·1 2·4 29·9 50·4 3·2 0·8 1·8 8·3	0·1 3·0 2·4 30·6 49·8 3·2 0·8 1·8 8·3	0·1 2·9 2·3 31·7 49·2 3·5 0·9 1·9 7·5	0·1 2·9 2·4 33·1 47·6 3·3 0·9 2·0 7·7	0·1 2·7 2·3 32·9 47·6 3·4 1·1 2·1 7·8	0·1 2·6 2·7 33·2 46·6 3·6 1·3 2·1 7·8	0·1 2·6 2·6 33·5 46·0 3·8 1·4 2·2 7·8
Totals	100-6	100-0	100 - 0	100-0	100 0	100 - 0	100-0	100 0	100-0	100 - 0	100-0
Industrial Groups											
Vegetable products. Animal products. Textiles and textile products. Wood and paper Iron and its products. Non-ferrous metals. Non-metallic minerals. Chemicals and allied products. Miscellaneous industries. Central electric stations.	10·2 7·7 7·3 19·9 23·5 2·6 5·6 6·5 3·5 13·2	11·3 6·3 8·1 24·3 18·1 3·3 6·6 3·7 3·1 15·2	11·4 6·1 8·4 23·7 16·3 3·2 7·2 3·8 2·7 17·2	11·7 5·9 8·4 24·9 15·1 3·2 6·7 3·6 2·7 17·8	11.5 5.5 8.1 23.8 14.9 4.8 6.3 3.3 2.7	11.3 5.6 8.0 23.3 15.0 5.1 6.6 3.3 2.8 19.0	11·4 5·4 8·0 23·6 14·7 4·8 6·4 3·1 2·6 20·0	11·1 5·1 7·7 24·2 14·7 5·3 6·3 3·1 2·5 20·0	11·2 4·8 7·5 22·7 14·8 5·9 6·5 3·3 2·5 20·8	10·9 4·5 7·1 23·5 14·6 6·2 6·5 3·2 1·6 21·9	11-0 4-3 7-3 21-2 13-6 6-4 6-6 3-3 1-3

19.—Forms of Capital Employed in the Manufacturing Industries of Canada, by Provinces and by Groups of Industries, 1931 and Totals for Representative Years, 1923-31.

Province and Group.	Number of Estab- lish- ments.	Land, Buildings, Fixtures, Machinery and Tools.	Materials on Hand, Stocks in Process, Fuel and Miscel- laneous Supplies on Hand.	Inventory Value of Finished Products on Hand,	Operating Capital, Cash, Bills and Accounts Receivable Prepaid Expenses, etc.	Total Capital.
PROVINCE.	No.	\$	\$	\$	\$	\$
I ROVINGE.						
Prince Edward Island	290	2,913,452	403,600	130, 117	572,119	4,019,288
Nova Scotia	1,449	94,443,514 88,243,660	14,608,901 9,078,496	5,953,575 5,694,618	14,818,737 25,842,698	129,824,727 128,859,472
New Brunswick	7.505	1, 237, 515, 652	145, 272, 273	74,838,228	205.184.923	1,662,811,076
Ontario	10,140	1,536,222,871	211,462,844	155,664,095	382,011,641	2,285,361,451
Manitoba	955	149,376,542	14,308,297	7,064,932	21,185,540 8,668,236	191,935,311
Saskatchewan	768 886	51,030,577 81,277,959	5,465,587 7,635,168	3,383,466 7,295,076	11,219,400	68,547,866 107,427,603
BritishColumbia and Yukon			30,917,109	22,361,396	43,659,756	382,525,614
INDUSTRIAL GROUPS.						
Vegetable products	5.283	303,041,562	74.755.202	71,683,439	95,907,271	545.387.574
Animal products	4,430	127,657,339	32, 396, 619	16,912,242	40, 475, 215	217.441.415
Textiles and textile products	1,955	205,110,388	44,331,139	28,228,613	74.673,933	352.344,073
Wood and paper products	7,767	756, 400, 107	99,821,171	49,853,161	146.980,996	1,053,064,435
Iron and its products Non-ferrous metal products.	1,243	387, 316, 765 203, 838, 883	81.756,323 39.121.603	57,148,675 20,969,744	150, 048, 599 54, 465, 753	676, 270, 362 318, 395, 983
Non-metallic mineral pro-		200,000,000	55,121,005	20,000,199	01,100,100	010,000,000
duets	1,272	247,142,020	27, 698, 117	23,132,035	30,901,610	328, 873, 782
Chemicals and allied pro-	621	92,944,655	20, 124, 040	10,817,336	39,977,041	163,863,072
ducts Miscellaneous industries	464	42,907,546	8,362,197	3,640,258	20, 772, 760	75, 682, 761
Central electric stations	I,011	1,160,243,215	10,785,864	-	58, 959, 872	1,229,988,951
Totals, 1931	21,501	3,526,611,580	439, 152, 275	282, 385, 503	713, 163, 050	4,961,312,408
1930	24,020	3,584,344,721		27,120	770,044,916	5,203,316,760
1929 1927	23,597	3,377,590,099 2,866,366,199		83,691	526,640,964 697,440,923	5,983,014,754 4,337,631,558
1924	22,178	2,310,298,012	677,1	68,191	551,347,257	3,538,813,460
1923	22,642	2,565,497,811	655,7	75,934	559,049,205	3,380,322,950

Subsection 2.—Employment in Manufactures.

The total number of persons engaged in those manufacturing industries of Canada for which statistics were obtained in 1931 was in that year 557,426, as compared with 644,439 in the same industries in 1930 and 694,434 in 1929. The 1931 employees included 99,798 salaried employees, this figure being obtained from the manufacturers at the end of the year, and 457,628 wage-earners, the average number employed as derived from the manufacturers' records of the numbers on the payrolls on the 15th of each of the twelve months. Prior to 1925 the number of wage-earners was computed as the sum of the number recorded each month divided by 12 whether the establishment was operating the 12 months or not. Beginning with the statistics for 1925, in seasonal industries which are in operation only a limited number of months in each year, such as sawnilling, fruit and vegetable canning, etc., the average was computed by dividing the sum of the wage-earners reported on the 15th of each month by the number of months in operation. This change of method increased the apparent number of employees, especially in seasonal industries but

also in the groups containing such seasonal industries and in provincial and Dominion totals. Consequently, the change of method exerted a reducing influence on apparent average wages and on all other averages per wage-earner and per employee. In 1931, however, the old method of computing the average number of wage-earners was again adopted. A change was also made in the compilation of the number of salaried employees. Prior to 1931, owners who were working as ordinary wage-earners, such as small bakers, reported themselves as wage-earners. In 1931, however, all such owners were required to report themselves as salaried employees. In 1931, also, travelling salesmen who were attached to the plant and devoted all or the greater part of their time in selling the products of that plant were included with salaried employees. Prior to this they were not reported at all. These changes, therefore, explain the apparent increase in the number of salaried employees in 1931 as compared with the previous year. Actually there was a decrease, this increase being obtained in part by a decrease in the number of wage-earners.

The number of salaried employees and of wage-earners, as thus ascertained, is given for each of the years since 1917, the year of the first annual census of manufacturing production, in Table 20. Then, taking the percentages of the wageearners and the total employees in each year to those of 1917, and dividing these percentages into the volume of manufacturing production in each year (see pp. 13 to 16 for the index of volume), the quotients give tentative conclusions regarding the efficiency of production per wage-earner and per employee in years subsequent to 1917, as compared with that year. Since central electric stations were excluded in computing the index of the volume of production, employees in these establishments have been excluded also in computing the percentages relative to 1917 for both wage-earners and total employees, and consequently from the indexes of efficiency of production. These indexes of the efficiency of production are, of course, affected by the changes in the method of computing the number of employees adopted in 1925 and then again in 1931. Inasmuch as the change increased the apparent number of employees between 1925 and 1930, it proportionately decreased the index of the efficiency of production. The table illustrates the development of modern industry which has accomplished a large increase in production with a comparatively small increase in wage-earners, by better organization and the use of improved equipment. Capital invested in manufacturing industries, exclusive of central electric stations, has increased by 60-0 per cent, from 1917 to 1931, compared with a decrease of 18.3 p.c. in wage-carners, while the horse power used per wage-earner has increased from about 3 in 1917 to 9 in 1931. The factor of better organization is not susceptible of measurement. However, salaried employees have increased by 45.2 p.e. since 1917, or more nearly in proportion to the growth in production than wage-earners. The result of these developments has been the increase of 51.9 p.c. in the volume of production per wage-earner and the somewhat smaller increase of 40.7 p.c. per employee, owing to the increased proportion of salaried employees in the total. The indexes may be considered as supplying satisfactory evidence of a general gain in volume of production per person employed. In this connection it should be remembered, however, that in 1917, owing to the large numbers overseas, many persons of low efficiency were being employed, their inefficiency being concealed at the time by the prevailing inflation of prices; it is possible that the sudden rise in the indexes of efficiency from 1920 and 1921 may be partly accounted for by their elimination in the contraction of industrial opera tions which occurred at that time.



Statistics of employment in manufacturing industries during 1931 derived from the Census of Manufactures, are shown in Table 7 of this report (pp. 26 to 31). According to these statistics, the 24,501 establishments covered, employed 99,798 salaried employees and 457,628 wage-earners, a total of 557,426 persons. Out of every 1,000 persons employed in manufacturing, 179 were classed as salary earners and 821 as wage-earners; the former earned 30·0 p.c. and the latter 70·0 p.c. of the total amount paid out as remuneration for services.

20.—Salaried Employees and Wage-earners in the Manufacturing Industries of Canada, with Volume of Manufacturing Production and Comparative Efficiency of Production, 1917-34.

	Salaried Wage-		Total		ge relative 917.1	Index Number ¹ of	Efficiency of Production.1		
Year.	Employees.	Earners.	Employees.	Of Wage- Earners.	Of Total Em- ployees.	Volume of Mf'd. Products.	Per Wage- Earner,		
	No.	No.	No.	p.c.	p.c.				
917	68.726	552.968	621.694	100.0	100.0	100-0	100-0	100-	
918	70.706	547,599	618.305	99-0	98-8	102.0	103.0	103 -	
919	81.681	529,327	611,008	95.7	98-1	98-1	102.5	100-	
920	83.015	526,571	609,586	95-1	97.7	95-0	99.9	97	
921	74,873	381,203	456,076	68-5	72.6	86-1	125 - 6	118-	
922	76,040	398,390	474,430	71-6	75-6	96-0	134-1	127	
923	78,273	446,994	525, 267	80-5	83 - 3	104-8	130 - 2	124	
924	76,230	432,273	508,503	77-6	80.8	102-9	132.7	127	
925	77,623	466,602	544.225	83-8	86 - 6	112-7	134 - 5	130	
926	81.794	499,745	581,539	89.9	92-7	128-1	142.5	138	
927	85.483	533,450	618, 933	95.8	98.6	136-5	142-5	138	
928	91,243	566,780	658, 023	101-7	104-7	148-8	146.3	142	
929	96,607	597,827	694.434	107-5	110.6	157-5	146.6	142	
930	92,943	551,496	644.439	98-8	102-2	142-8	144.5	139	
931	99,798	457,628	557.426	81-7	88-2	124-1	151.9	140	

^{*}Central electric starions excluded.

Distribution of Employees in 1931.—An analysis of the returns by provinces shows that 51,673 or 51·8 per cent of all employees on salaries were employed in Ontario; of this number 38,744 were males and 12,929 females. The province of Quebec, with 27,963 persons, or 28·0 p.c. of the total, recorded the second largest number of salaried workers, of these 22,455 were males and 5,508 females. British Columbia ranked third with 6,133 or 6·1 p.c. of the total salaried emproyees.

Of the wage-earners numbering 457,628, 49·0 per cent were employed in Ontario, 30·7 p.c. in Quebec and 7·2 p.c. in British Columbia. It is also interesting to note that out of every 1,000 salaried employees 223 were females, while in the case of wage-earners, 232 out of every 1,000 were females.

The wood and paper industries with 23,743 salaried employees, reported a larger number of these than any other group, having 23.8 p.c. of the total. The iron and its products group came next with 14,862 salaried employees, or 14.9 p.c. of the total. The textile industries gave employment to a proportionately greater number of female salaried employees than any other group. Out of every 1,000 salaried employees in this group, 328 were females, as compared with only 210 for all the other groups.

In the number of wage-earners employed, the wood and paper industries also came first with 97,929 or 22·2 p.e. of the total. This was again followed by the iron and its products group with 82,065 wage-earners or 20·3 p.e. of the total. It

is also interesting to note that out of every 1,000 wage-earners in the textile industries 591 were females, while in all the other groups only 138 were females. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that out of all female employees engaged in the manufacturing industries of Canada, 46.4 per cent were found in the textile group.

21.—Percentages of Male and Female Employees on Salaries and Wages and Percentages of Total Salaries and Wages, by Provinces and Groups of Industries, 1931.

	Emple	nyees on Sa	laries.	G-1i	Emp	loyees on W	ages,	Wages'
Province and Group.	Males.	Females.	Total.	Salaries.	Males.	Females.	Total.	wages
PROVINCE.	p.c.	p.c.	p.e.	p.c.	p.c.	p.c.	p.c.	p.c.
Prince Edward Island	0.3	0.2	0.3	0.1	0.2	0.2	0.2	0.1
Nova Scotia	2.6	2.2	2.5	1.9	3.3	2.0	3.0	2.6
New Brunswick	1.9	1.8	1.9	1.8	2.6	1.9	2-4	2-2
Quebec	29.0	24-8	28.0	28-3	31.0	41-0	33-4	301-7
Intario	50.0	58-2	51.8	53.0	47-8	47-3	47 - 6	49.6
Munitoba	4-15	4.3	4.8	4.6	4.7	3.0	4.3	5 -
Saskatchewan	2.4	1.4	2.2	1.9	1.0	0-4	0.9	()-!
Alberta	2.8	2.0	2.6	2.4	2.3	1-1	2.0	2.1
British Columbia and Yukon	6.4	5-1	6-1	6.(1	7 - 1	3-1	6.2	7-5
Totals	100-0	100-0	100.0	100-0	100-0	100-0	100 - 0	100-6
INDUSTRIAL GROUP.								
Vegetable products	14-5	13.6	14.3	13-6	12-4	18.7	13-9	12-5
Animal products	10-8	8-3	10.2	8-3	9.0	9.0	9.0	8 - 2
Cextile products	9.2	15.7	10.7	10.9	11.0	52.8	20.7	16.
Wood and paper products	24.3	21.9	23 - 8	23 - 2	25-1	9.2	21.4	22-2
Iron and its products	15-4	13.3	14.9	17-0	22.7	2.2	17-9	20-3
Non-ferrous metal products.	7.3	8-4	7.5	8-1	6.5	3.7	5.9	7-1
Non-metallic mineral pro-								
ducts.	4.3	3.2	4.0	4.2	5.8	0.5	4.5	5-6
Chemicals and allied pro-					0.0	2.0	0.0	2.4
duets	4-6	6.3	5.1	5.5	2.2	2-3	2.2	2.4
Miscellaneous industries	2-4	2.7	2.5	2.6	2.5	1 · 6	2.3	3.1
Central electric stations	7.2	6.6	7.0	6.6	2.8		3.2	.51
Totals	100-0	100-0	180-0	100-0	100 - 0	100-9	100-9	100-6

For actual figures see Table 23

Monthly Record of Employment in Manufactures .-- A monthly record of the number of wage-earners employed in Canadian manufactures, as compiled by the Census of Industry, is given by sex for 1922 and 1929 to 1931 in Table 22. The peak of employment during 1931 was in May and for 1929 in June. Ordinarily manufacturing employment in Canada reaches its highest point about September. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods and industry generally feels the active demand of the agricultural purchasing power resulting from the season's harvests. In 1929, however, the rising tide of "good times" was checked about midsummer and the recession set in during the autumn with the stock market crash. The harvests of 1929 in the Canadian West were disappointing also. In February, 1930, employment began to pick up moderately. This expansion continued until May, 1930, after which there was a recession to January, 1931. During the spring months of 1931 employment took a small upward swing. In July, however, it started to recede again and continued to the end of the year. The maximum employment was reached in June, 1929, when 596,544 wage-earners were employed.

figure dropped to 510,061 in January, 1930, rose again to 556,386 in May, 1930, fell to 442,547 in January, 1931, rose again to 484,661 in June and then fell again to 417,367 in December, 1931.

While employment in 1931 for male operatives expanded from the beginning of the year to its maximum in May, the number of female workers was greatest in September, chiefly on account of seasonal activity in the vegetable and fruit preserving industries, which employs a considerable proportion of women. Textiles, the one group in which the majority of workers are women, also reported an active period during the autumn.

22.—Total Number of Wage-earners Employed in the Manufacturing Industries of Canada, by Months, 1922 and 1929-31.

March 1		1922.			1929.	
Month.	Males.	Females.	Total.	Males.	Females.	Total.
January	249,912	80,575	330,487	409,663	111,564	521,227
February	259,408	83.551	342,959	422,912	114,904	537,816
March	270,079	85,261	355,340	439, 106	116,802	555,908
April	281.051	85.427	366,478	456,326	118,943	575.269
May	300.325	88,409	388,734	473,017	121.952	594,969
June	310,625	89,540	400,165	474,157	122,387	596.544
July	310,250	87, 166	397,416	473,261	121,618	594,879
August	307,464	88,277	395,741	464,087	124,422	588,509
September	305,148	93,505	398.653	455,918	130,521	586,439
October	298,203	93,289	391,492	446,752	127.814	574,566
November	292,741	92,481	385,222	425,729	121,968	547,697
December	284,084	89,870	373,954	404,700	114,631	519,331
		1930.			1931.	
Month.	Males.	1930.	Total.	Males.	1931. Females.	Total.
Month.	Males.	1	Total.	Males.	1	Total.
Month.	Males.	1	Total.	Males.	1	
		Females.			Females.	442,547
January	401,937	Females.	510,061	343,562	Females.	442,547 455,811
JanuaryFebruary	401,937 406,854	Females.	510,061 517,562	343,562 352,335	98,985 103,476	442,547 455,811 468,222
January	401,937 406,854 416,304	108, 124 110, 708 111, 662	510,061 517,562 527,986	343,562 352,336 362,833	98,985 103,476 105,389	442,547 455,811 468,222 476,132
January February March April	401,937 406,854 416,304 424,877	Females. 108,124 110,708 111,862 112,233	510,061 517,562 527,966 537,110	343,562 352,336 362,833 369,874	98,985 103,476 105,389 106,258	442,547 455,811 468,222 476,132 484,661
January February March April May June	401,937 406,854 416,304 424,877 440,740	Females. 108, 124 110, 708 111, 662 112, 233 115, 646	510.061 517.562 527.966 537.110 556,386	343,562 352,336 362,833 369,874 375,147	98,985 103,476 105,389 106,258 109,514	442,547 455,811 408,222 476,132 484,661 476,692
January February March April May June July	401,937 406,854 416,304 424,877 440,740 437,339	108,124 110,708 111,662 112,233 115,646 114,827	510,061 517,562 527,966 537,110 556,386 552,166	343,562 352,336 362,833 369,874 375,147 368,711	98,985 103,476 105,389 106,258 109,514 107,981	442,547 455,811 468,222 476,132 484,661 476,692 463,694
January February March April May June	401, 937 406, 854 416, 304 424, 877 440, 740 437, 339 427, 000	108,124 110,708 111,662 112,233 115,646 114,827 112,354	510,061 517,562 527,966 537,110 556,386 552,166 539,354	343,562 352,335 362,833 369,874 375,147 368,711 359,404	98,985 103,476 105,389 106,258 109,514 107,981 104,290	442,547 455,811 468,222 476,132 484,661 476,692 463,694 456,783
January February March April May June July August September	401,937 406,854 416,304 424,877 440,740 437,339 427,000 414,618	108,124 110,708 111,662 112,233 115,646 114,827 112,354 114,785	510,061 517,562 527,966 537,110 556,386 552,166 539,354 529,403	343,562 352,336 362,833 369,874 375,147 368,711 359,404 350,291	98, 985 103, 476 105, 389 106, 258 109, 514 107, 981 104, 290 106, 492	442,547 455,811 468,222 476,132 484,661 476,692 463,694 456,783 460,081
January February March April May June July August	401,937 406,854 416,304 424,877 440,740 437,339 427,000 414,618 409,052	108,124 110,708 111,862 112,233 115,646 114,827 112,354 114,785 121,078	510, 061 517, 562 527, 966 537, 110 556, 386 552, 166 539, 354 529, 403 530, 130	343,562 352,336 302,833 369,874 375,147 368,711 359,404 350,291 346,883	98,985 103,476 105,389 106,258 109,514 107,981 104,290 106,492 113,198	442,547 455,811 468,222 476,132 484,661 476,692 463,694 456,783 460,081 434,556
January February March April May June June September October	401,937 406,854 416,304 424,877 440,740 437,339 427,000 414,618 409,052 395,666	108,124 110,708 111,662 112,233 115,646 114,827 112,354 114,785 121,078 116,549	510,061 517,562 527,966 537,110 556,386 552,166 539,354 529,403 530,130 512,215	343,562 352,336 302,833 369,874 375,147 368,711 359,404 350,291 346,883 327,945	98, 985 103, 476 105, 389 106, 258 109, 514 107, 981 104, 290 106, 492 113, 198 106, 611	Total. 442,547 455,811 468,222 476,132 484,661 476,692 463,694 456,783 460,081 434,556 430,618 417,367

Subsection 3.—Wages and Salaries in Canadian Manufacturing Industries, 1931.

The total salaries and wages disbursed by manufacturers in 1931 was \$624,545,561 paid to 557,426 workers, compared with \$813,049,842 paid to 694,434 persons in 1929 and \$509,382,027 paid to 621,694 persons in 1917. Of the 1931 aggregate, \$186,810,794 or 30 p.c. was paid to 99,798 salaried employees who constituted 18 p.c. of the total number, and \$437,734,767 or 70 p.c. was paid in wages to 457,628 wage-earners, who formed 82 p.c. of the aggregate number of employees.

The average salary paid in the manufacturing industries during 1931 was \$1,872, compared with \$1,982 in 1930 and \$1,299 in 1917, while the average wage in 1931 was \$957, compared with \$1,001 in 1930, \$1,045 in 1929 and \$760 in 1917. Thus during the fifteen years under review average salaries increased by 44 p.c., while average wages increased only by 26 p.c. See Table 24.

Average Earnings, by Provinces and Industrial Groups.—In 1931 Ontario showed the highest average salary of \$1,903, followed by Quebec with \$1,890, Manitoba, with \$1,888 and British Columbia with \$1,843. The head offices of many large corporations being located in Montreal, Toronto, Vancouver and Winnipeg tends to raise the average salaries in these provinces. In the other Prairie Provinces the averages were smaller, especially in Saskatchewan, while in the Maritime Provinces the average salaries were still lower, there being comparatively few large executive offices in these provinces.

Manitoba, with an average wage of \$1,126, was the highest in the Dominion in 1931, being \$161 higher than the general average. In the western provinces average wages are usually higher, this being due to an unusually small proportion of women workers, while many of the male employees were engaged in the betterpaid wood and paper, electric light and power industries. In the four provinces situated to the east, average wages in manufacturing were lower than the mean for the Dominion, while from Ontario westward the opposite was the case. The seasonal nature of some of the leading industries, notably fish-preserving and lumbering, tends to reduce the mean wage in the Maritime Provinces and Quebec, while in addition to this, Quebec also has a larger proportion of female wage-earners employed chiefly in the textile, food and tobacco industries, than any other province, except Prince Edward Island.

The highest average salaries, viz., \$2,137, were reported by the iron and its products group, while the animal products group, with an average salary of \$1,526 in 1931, was the lowest. In wages paid, central electric stations came first with an average of \$1,397, there being no female wage-earners in this industry. The textile industries, on the other hand, had the lowest average wage of \$760, this being due to the fact that in this group nearly 60 p.c. of the wage-earners were females. As was stated elsewhere in this report, of all the female wage-earners employed in the manufacturing industries of Canada, over 53 p.c. found employment in the textile industries.

23.—Employees on Salarles and Wages in Manufacturing Industries, 1931, and Average Salarles and Wages, by Provinces and Groups, 1930 and 1931.

Province and group	Er	nployees Salaries	on	A ve Sala		E	Imployee Wages	s on	A ver Was	
r rovince and group	Male.	Female.	Total	1931	1930	Male.	Female.	Total.	1931.	1930.
	No.	No.	No.	\$	\$	No.	No.	No.	\$	S
Totals	77,576	22,222	99,798	1,872	1,982	351,553	103,075	457,628	957	1,001
PROVINCE										
Prince Edward Island	226	42	268	885	1.064	660	242	902	634	311
Nova Scotia	2,012	491	2,503	1,461	1.769	11.529	2,143	13.672	822	741
New Brunswick	1,482	407	1,889	1.718	1.811	9,281	1.937	11,218	843	709
Quebec	22.455	5,508	27,963	1,890	2,018	109.356	43,489	152.845	880	920
Ontario	38,744	12,929	51,673	1,903	1,996	167.937	50,129	218,066	985	1.05
Manitoba	3,587 1,890	957 308	4,544 2,198	1,888	1.960	16,437 3,479	3,212	19,649 3,863	1,126	1.113
Alberta	2,182	445	2,627	1,729	1.862	7.949	1,222	9.171	1.054	1.080
British Columbia and	2,102	710	470/41	1,160	1,002	1,020	1:000	0.111	1.001	1.000
Yukon.,	4.998	1,135	6.133	1,843	2,026	24,925	3.317	28.242	1.110	1, 171
INDUSTRIAL GROUP										
Vegetable products	11.237	3.014	14,251	1.786	1.975	43.654	19,801	63,455	844	872
Animal products	8,375	1,838	10, 213	1.526	1.566	31.543	9.541	41.084	869	841
Textile products	7,170	3,493	10,663	1.918	1.951	38,776	56,034	94,810	769	798
Wood and paper products.	18.864	4,875	23.743	1,822	2,092	88.153	9.776	97,929	992,	963
Iron and its products	11,909	2,953	14.862	2,137	2.165	79.777	2,288	82.065	1,085	1.253
Non-ferrous metal pro-					0.000	** **	0 +00	00 000		
duets	5,643	1,865	7,508	2.021	2.031	22,926	3,980	26,906	1.150	1,18t
Non-metallic mineral pro-	3.347	718	4.065	1.922	1,997	20.312	518	20,830	1.172	1.208
Chemicals and allied pro-	0,081	140	7,000	1.022	1,334	20,1114	910	20,000	1,112	1,200
ducts	3.599	1.394	4.993	2.047	2.112	7.748	2.466	10.214	1.042	1.056
Miscellaneous industries	1.878	604	2,482	1.920	1,950	8,668	1.671	10.339	1.003	1.09
Central electric stations.	5.554	1.464	7.018	1.759	1.737	9.996	-1011	9.996		1.388

^{*} For an explanation of the increase in average wages in some of the provinces in 1931 as compared with 1930, see p. 15 and 50-51.

Average Earnings in Forty Leading Industries.—Table 24 shows employees by sex and average salaries and wages in the forty leading industries during 1931, together with the salaries and wages paid in 1930. The rank of each industry is based on the aggregate of salaries and wages paid, as in Table 12 on p. 40.

In six industries the average salaries exceeded \$2,400; in nine they were from \$2,000 to \$2,400; in nineteen they ranged between \$1,500 and \$2,000, while in only six were they below \$1,500 in 1931. None of the six industries paying the highest salaries—primary iron and steel, \$2,545; breweries, \$2,498; pulp and paper, \$2,479; bridge and structural steel work, \$2,477; automobiles, \$2,441; and non-ferrous metal smelting and refining, \$2,427—reported a proportion of female workers equal to the general percentage in the forty leading industries. The lowest salaries were reported by the butter and cheese industry. This is due to the fact that butter and cheese factories usually work less than the average number of days and are mainly situated in small towns and country places.

The highest wages, or those above \$1,200 were paid in eight industries—non-ferrous metal smelting and refining, \$1,592; printing and publishing, \$1,457; central electric stations, \$1,397; petroleum products, \$1,389; bridge and structural steel work, \$1,340; coke and gas products, \$1,332; primary iron and steel, \$1,252 and railway rolling stock, \$1,216—in all of which the proportion of skilled workers is probably high. In nine other industries the average wage ranged between \$1,000 and \$1,200. These were largely metal working industries, pulp and paper, breweries and printing and bookbinding, in all of which the proportion of women employed

was low. In the remaining twenty-three industries the average wage was below \$1,000. This last group included such seasonal industries as sawmilling and the flour and feed milling industry with a large number of small feed and grist mills in which the work is intermittent. The other industries with low average wages were textiles, tobacco, and boots and shoes, in which the proportion of female wage-earners was high, the numbers in several industries being greater than those of the male.

21.—Statistics of Salaries and Wages Paid in Forty Leading Industries, 1931, together with Comparative Figures of Average Salaries and Wages Paid in 1938.

(Industries ranked according to the aggregate salaries and wages paid as in Table 12.)

	773 4 1				Salaries.		
Industry.	Total Salaries and	Em- ployees.	Sala	ried Emp	oloyees.	Aver	
	Wages.		Male.	Female.	Salaries.	1931.	1930.
	\$	No.	No.	No.	8	\$	8
Pulp and paper	34.792.013		2,665	505	7,858,830	2,479	2.70
Railway rolling stock	28,111,765		1.681	100	3,793,561	2,130	2.27
Printing and publishing	26,375,663	16.918	5,600	1.878	12,626.269	1.688	1.76
Central electric stations.	26,306,956	17,014	5,554	1,464	12,347,422	1.759	1.77
Electrical apparatus and supplies.	22,474,319	18, 207	3,466	1,288	9,421,455	1.982	1,9/
Castings and forgings	19,203,234	17,049	1.756	486	4,710,798	2, 101	2.21
Bread and other bakery products	18,862,604	18.337	1.893	503	2,927,992	1.222	1.53
Sawmills	16,409,674	22,361	2.195	171	2,659,626	1.124	2.03
Clothing, factory, women's	15,018,195	15,648	1,226	788	3.783.363	1.879	1.9
Printing and bookbinding	14,694,194	11,189	2,221	574	5.196.510	1.859	2.0
Hosiery and knitted goods	13,948,570	17.698	809	523	2,662,471	1,999	2.0
Non-ferrous metal smelting and							
refining	13,245,327	7,860	775	103	2.131.079	2.427	2.5
Automobiles.	13, 113, 192	9,545	1,301	456	4,288,009	2,441 $2,279$	2.1
Cotton yarn and cloth	12,362,032	15,802	405	109	1,171,278	2,279	2,1
Boots and shoes, leather	12,340,283	14,150	991	375	2,576,359	1,886	1,9
Butter and cheese	12,259,926	11,965	3,677	683	4,734,432	1,086	1.1
Rubber goods, including footwear	11,708,387	12, 158	1.371	422	3,200,048	1.790	1.8
Slaughtering and meat packing.	11,626,678		1,706		3.963.110	1,976	2.0
Primary fros and steel	11.072.054		663	130	2,017,825	2.545	2.5
Biscuits, confectionery, cocoa, etc.	10,892,636	12.145	1.927	619	4,575,617	1.797	1.7
Machinery	10,793,352		1.621	482	4,093,403	1,946	2.0
Dyeing, cleaning, and laundry-							
work	10,671,615	11.772	824	465	2,174,277	1,687	1.7
Furniture	10,047,027	10,007	1.010	278	2,546,688	1.977	2,1
Furniture	9,585,462	9,701	987	374	2,475,522	1,819	1.8
Sheet metal products	9,265,806	7,988	1.139	350	2,812,199	1,889	1.8
Planing mills, sash, and door fac-							
tories, etc.	8,346,474	7.952	1.374	222	2.389,448	1.497	1.9
Tobacco, cigars, and cigarettes	8,091,769	9.091	1.340	385	3,698,417	2,144	2.6
Bridge and structural steel work	7,143,544	4,421	954	120	2,660,122	2,477	12 1
Broweries	6.601.528	4,679	850	129	2,445,562	2,498	2.7
l'etroleum products	6,214,745	4,122	478	64	1.242.537	2.293	2,1
Flour and feed mills	6,032,189	5,671	1,602	180	2.271.667	1.275	1.5
Furnishing goods, men's	5.787,221	-6, 139	532	250	1.56-(.619	2,001	1.8
Silk and artificial silk	5,758,995	6.273	427	186	1,212,984	1.979	1.1
Brass and copper products .	5.627.486	4,437	775	183	1,913,731	1.998	1.5
Coke and gas products	5.616.763	4.006	737	235	1.576.043	1.621	1.6
Hardware and tools	5,220,870	4,998	567		1.627.548	2,055	2.5
Hardware and tools	4,997,732	4.471	840		2.034.734	1.912	1.1
Boxes and bags, paper	4.924.682	4.809	560		1.742.689	2.314	2.0
Shipbuilding and repairs	4,897,988	3.791	407	51	982.212	2,145	2.1
Fruit and vegetable preparations.	4,509,377	6.329	608		1,281,808	1,458	1.4
Totals, Forty Leading Industries	481,867,327	435, 109	59,514	16,344	139, 101, 373		
			-				
Grand Totals, All Industries	621,515,561	337, 128	27,576	99 999	156,810,794	1.872	
	735.092.766		70,326		151,239,117	1.982	
	813,049,812		73.792		188,747,672	1,951	
1929	693,932,228	618,933	65,886		163,318,978	1,899	
1927	559,881,046		59, 112		139,611,639	1,831	
1924	518, 785, 137	456,076		.873	136,871,992	1,828	
1920	732, 120, 585			.015	145, 267, 360	1,786	

21.—Statistics of Salaries and Wages Paid in Forty Leading Industries, 1931, together with Comparative Figures of Average Salaries and Wages paid in 1930—concluded.

(Industries ranked according to the aggregate salaries and wages paid as in Table 12.)

			Wages.		
Industry.		Wage-earner	19.	A ver Wag	
	Male.	Female.	Wages.	1931.	1930
	No.	No.	8	8	- \$
1 Pulp and paper	22.839	660	26.933.174	1,146	1.2
2 Railway rolling stock	19,958	34	24.318.104	1.216	1.3
3. Printing and publishing	8,001	1,439	13,749,394	1.457	1.4
4 Central electric stations	9,996		13,959,534	1,397	1.3
5 Electrical apparatus and supplies	10,296	3,157	13,052.864	970	1,0
6 Castings and forgings	14,566	241	14.492.436	979	1.1
Bread and other bakery products	13,755	2,186	15,934,612	1,000	1,0
Sawmills Clothing, factory, women's	19,928	67	13,750.048	688	6
Deieting, factory, women s	3.562 6.335	10.072	11,234.832 9,407.684	824	
Printing and bookbinding	5,230	11,136	11,286,099	1.121	1,
2 Non-ferrous metal smelting and refining	6,982	11,130	11, 114, 248	1.592	1.3
3 Automobiles	7,612	176	8.825.183	1.133	1.
Cotton yarn and cloth.	9,013	6, 275	11, 190, 754	732	2.
5 Boots and shoes, leather.	7.861	4.923	9.763.924	764	1
Butter and cheese	7.333	272	7.525.494	990	1.0
Rubber goods, including footwear.	7.341	3.024	8, 499, 339	820	3 15
s Slaughtering and meat packing	6.416	872	7,663,568	1.052	1,
9 Primary iron and steel	7.219	14	9.054.229	1.252	i.
Biscuits, confectionery, cocoa, etc	4.263	5,336	6.317.019	658	
1 Machinery	6.417	124	6,699,949	1,024	1.
Dyeing, cleaning and laundry work	3,921	6,562	8.497,338	811	
3 Furniture	8.377	342	7,500,339	860	
1 Clothing, factory, men's	4,128	4,212	7, 109, 940	853	
5 Sheet metal products	5.811	688	6,453,607	993	- 1,
6 Planing mills, sash and door factories, etc	6,303	53	5,957,026	937	1.
7 Tohacco, cigars and cigarettes. 8 Bridge and structural steel work.	2,757 3,347	4,609	4.398,352	597	
9 Breweries.	3,656	44	4,483,422	1,340	1,
Petroleum products	3.567	13	4,972.208	1,389	1.
1 Flour and feed mills	3.765	124	3.760.522	967	1,
2 Furnishing goods, mon's	1.004	6.353	4, 222, 602	574	
Silk and artificial silk	3.032	2.628	4.546,011	803	
1 Brass and copper products	3,262	217	3,713,755	1.067	1.
5 Coke and gas products	3.032	2	4.040.720	1.332	1,
Hardware and tools	3.657	549	3.593,322	854	- ,
Agricultural implements	3,369		2,962,998	870	1,
Boxes and bags, paper	1.974	2,082	3,181,993	785	
9 Shipbuilding and repairs	3,329	4.	3,915,776	1,175	1,
Fruit and vegetable preparations	2.519	2,931	3,227,569	592	
Tatal, Forty Leading Industries	275,733	83,518	345,465,954	-	
Grand Totals, All Industries—					
1931	351.553		437,731,767	957	
19.0	431,463		551,853,649	1.001	
1929	468.043		F24,302,170	1,045	
1927	413,634	119,816	531,593,250	997	
1924	333,156		420, 269, 406	972	
1921	381.		381,910 145	1.002	
1920	526		583 853,225	1,107	
1917	99%	.968	120,094,869	760	

Real Earnings of Employees in Recent Years.—When the index number representing the average yearly wages, with 1917 as a base, is divided by the index number of the cost of living, converted to the same base, it is seen that real wages advanced by 20·2 p.c. between 1917 and 1931. The details of the computation are given in Table 25. There was little change in real wages during the three years 1917 to 1920 when prices were rising rapidly. During the following two years, 1921 and 1922, when prices dropped rapidly, real wages increased over 5 p.c. Since then there has been an almost continuous rise from year to year with the exception of 1930. In 1931 real wages reached a maximum of 120·2.

25.—Average Yearly Earnings and Real Wages of Wage-earners in Manufacturing Industries, 1917-31.

Year.		Average		Index Numbers.				
	Amount of Wages Paid	Number of Wage- Earners.	A verage Yearly Earnings.	Average Yearly Earnings.	Cost of Living.	Real Value of Average Yearly Earnings.		
		No.	8					
1917	420,094.869	552,968	760	100.0	100.0	100-0		
1918	480,949,599	547,599	878	115-5	113.8	101-6		
1919	496,570,995	529.327	938	123.4	125.3	98-1		
1920	583,853,225 381,910,145	526,571 381,203	1,109	145.9 131.8	145 · 2 127 · 6	100-		
1921	374, 212, 141	398,390	939	123-6	116-8	105 - 1		
1922 1923	428,731,347	446,994	959	126-1	116-8	107.		
1924	420, 269, 406	432,273	972	127-9	114 - 5	111-5		
1925	452, 958, 655	466,602	971	127-8	116.0	110-9		
1926	501,144,989	499,745	1.003	132.0	116-8	113-6		
1927	531,583,250	533,450	997	131-3	115-1	114-1		
1928	580,428.493	566,780	1.024	134-8	115-6	116-8		
1929	624, 302, 170	597,827	1.045	137-5	116-8	117-1		
1930	551,853,649 437,734,767	551,496 457,628	1.001	131-7	115-9 104-7	113		

Percentages of Wages and Salaries to Value of Products. - Table 26 shows the relation between wages and salaries paid by manufacturers and the total net value of production. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must in the long run come are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of wages and salaries, of interest, rent and taxes, charges for fuel, power, lighting, repairs, and all other overhead charges. The percentage of salaries was highest in the years 1921, 1922, 1924 and 1931. These were years in which manufacturing production was curtailed and it is probable that, salaried employees being a part of the organization of an industry rather than of its productive force, salaries were an abnormally high percentage of the lower levels of production then prevailing. The percentage has declined with the increasing manufacturing production since 1922, but in 1929 was still much higher than in 1917, while in 1930 and 1931, due to decreased industrial activity, the percentage of salaries to value added rose to 10.5 and 12.7 respectively. It should be borne in mind, however, that salaried employees increased by 45.2 p.c. in the period, while wage-earners decreased 17.2 p.c. (Table 20.) The percentage of wages has fluctuated much less than that of salaries. The number of wage-earning employees may be more readily adjusted to the activity of the industry and wage levels likewise more readily adjusted to the price levels of the products. The percentage of wages to the values added in manufacture was thus only 2.5 p.c. lower in 1931 than in 1917. The percentage was highest in 1920, when, in the post-war inflation, average wages were highest (Table 25) and the efficiency of production lowest (Table 20).

26.—Percentages of Wages and Salaries Paid to Total Net Value of Manufacturing Production, 1917-31.

				Percentage				
Year.	Value Added by Process of Manufacture. Paid.		Wages Paid:	of Salaries to Values Added.	of Wages to Values Added,	of Total Salaries and Wages to Values Added.		
	8	\$	\$	p.c.	p.c.	p.c.		
1917	1,332,180,767	89, 287, 158	420,094,869	6.7	31-5	38-2		
1918	1,460,723,777	101,507,889	480.949,599	6.9	32-9	39-8		
1919	1.509.870,745	121,892,144	496,570,995	8-1	32.9	41-0		
1920	1,686,978,408	148,267,360	583,853,225	8-8	34.6	43 - 4		
1921	1,209,143,344	136,874,992	381,910,145	11.3	31.6	42.9		
1922	1.198,434.407	136,219,171	374,212,141	11-4	31-2	42-6		
1923	1,311,025,375	142,738.681	428,731,347	10-9	32.7	43-6		
1924	1,256,643,901	139,614,639	420,269,406	11-1	33-4	44.5		
1925	1,360,879,907	143,056,516	452, 958, 655	10.5	33 · 3	43.8		
1926	1.492.645.039	152,705,944	501,144,989	10.2	33-6	43 - 8		
1927	1,635,923,936	162,348,978	531,583,250	9.9	32.5	42 - 4		
1928	1,819,046,025	174,770,879	580, 428, 493	9.7	31.9	41.6		
1929	1,997,350,365	188,747,672	624,302,170	9.5	31-3	40.8		
1930	1,761,986,726	184,239,117	551,853,649	10.5	31.3	41.8		
1931	1,474.581.851	186,810,794	437,734,767	12-7	29.0	42-4		

Subsection 4. Size of Manufacturing Establishments.

An essential characteristic of the recent evolution of industry has been the increase in the size of the typical manufacturing establishment. The full utilization of highly specialized machinery necessitates large-scale production, while the improvements in transportation have widened the market, and the development of more efficient methods of business administration has made it possible for the individual manufacturer to supervise effectively a larger plant. An increase in the scale of production of the typical manufacturing establishment has been experienced in all industrial countries which have been affected by the so-called "Industrial Revolution," and not least in Canada where the rise of the factory system in industry has taken place approximately since Confederation.

The size of the manufacturing establishment is generally measured either by the number of employees or by the value of product, but each of these methods has its limitations. The former takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flour-milling industry, may lead to increased production concurrently with a decrease in the number of employees. The latter measure has to be adjusted for changes in the price level; and, as between industries, it makes those which handle expensive raw materials appear to operate on a larger scale. Both measures are subject to two limitations: first, they depend on the fluctuation of business activity and the demand of the consumer; secondly, over any lengthy period of time there is the difficulty of comparability resulting from changes in the method of the census.

Thus, while it is possible in a general way to state that the average size of the manufacturing establishment in Canada has increased between 1870 and 1931, the 1931 figures are not on the same basis as the 1870 figures, especially since they do not include all the small custom and repair establishments included at the earlier date. The same difficulty arises right up to the most recent times. It is only in the last few years that the statistics have been so analysed as to be strictly comparable, and the results of this analysis are given in Tables 27 to 30.

Size as Measured by Gross Value of Products.—In Tables 27 and 28 the size of the establishments reporting to the Census of Manufactures is shown by the gross value of products—Table 27 giving comparative figures for 1922 (the first year for which the figures are available) and 1931, and Table 28 the figures by provinces for 1931.

The comparative Table 27 shows that, while in 1922 the 420 establishments which had each a gross production of over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.e. of the total production of all manufacturing industries, the 626 establishments producing over \$1,000,000 each in 1930 had an aggregate value of products of \$2,046,162,259, or 59 p.c. of the grand total for all manufacturing establishments—a very significant change in the short period of eight years when the general trend of prices of manufactured goods was slightly downward. In 1931, however, the number of plants with a production of over a million dollars dropped again to 482, their output being valued at \$1,451,658,954 or 53 p.c. of the total.

27.—Manufacturing Establishments Grouped according to Gross Values of Products, with Total and Average Values of Products in each Class, for Canada, 1222 and 1931.

				1922.	1931.				
	Group).	Estab- lish- ments.	Total Production.			Average Pro- duction.		
Gross Va	lue of	Products.	No.	8	\$	No.	\$	\$	
Under \$25,00	0		14,978	114,205,770	7,625	16,201	121,956,933	7,527	
\$ 25,000 b	at und	er \$ 50,000	2,401	85,075,807	35,433	2,621	93,533,511	35,686	
50,000	64	100.000	1,793	129,320,947	72,125	1,946	137,754,809	70,788	
100,000	4.6	200,000	1,355	191,675,689	141,458	1,584	224,825,172	142,566	
200,000	5-6	500,000	1,078	330,533,712	306,617	1,175	365,368,983	310,969	
500,000	0.4	1,000,000	516	363,341.076	704,149	492	344.374,335	699,948	
1,000,000	4.6	5,000,000.	364	692,463,530	1,902,372	414	813,894,754	1,965,953	
5,000,000 ai	id ove	r	56	575,592,599	10,278,439	68	637,764,200	9,378,885	
Tota	ıls		22,541	2,482,209,130	110,119	24,501	2,739,472,697	111,810	

The value of production in 1931 shown above is greater in the aggregate by \$41,010,835 than the value of production shown in the other tables of this repart. This is due to the elimination from the not her tables of the value of electric energy purchased by central electric stations from other generating plants for distribution to local consumers. For the reporting plant, however, the cost of such power is regarded as the cost of materials. This necessarily involves a duplication in the value of production which it is impossible to make compensation for, as between the groups.

28.—Manufacturing Establishments, Grouped according to Gross Values of Products, with Total Values of Products in each Class, by Provinces, 1931.

	Prince Ed	lward Island.	Nov	a Scotia.	New I	Brunswick.	
Group.	Estab- lish- ments.	Production.	Estab- lish- ments.	Production.	Estab- lish- ments.	Production.	
Gross Value of Products.	No.	\$	No.	\$	No.	\$	
Under \$ 25. \$ 25— 50. 50— 100. 100— 200. 200— 500. 500— 1.000. 1,000— 5,000. 5,000 and over.	253 23 8 61	1,734,956 785,179 580,000 1,036,977	1,178 97 69 50 34 11 7	6,143,394 3,395,508 4,539,940 6,913,558 9,703,512 7,812,840 15,917,697 17,155,215	666 76 46 40 25 11 81	4,165,083 2,685,999 3,222,159 5,378,508 7,524,746 8,123,475 24,873,717	
Totals	290	4,137,112	1,449	71,581,664	872	55,973,687	
	Quebec.		Or	ntario,	Manitoba.		
Under \$ 25 \$ 25 50 50 100 100 200 200- 500 500- 1,000 1,000- 5,000 5,000 and over	5,400 641 445 414 320 129 129 27	37, 687, 969 22, 613, 676 31, 237, 360 58, 863, 581 100, 632, 390 89, 678, 154 260, 276, 503 254, 134, 264	5,938 1,287 1,004 797, 623 262 202 27	50,838,646 46,009,835 71,919,069 113,770,565 194,141,986 183,381,998 390,601,080 288,692,743	560 113 105 84 47 23 20 3	4,680,397 4,123,410 7,473,114 12,080,935 13,996,389 15,694,380 43,445,823 18,271,686	
Totals	7,505	855,123,888	10,140	1,339,355,922	955	119,766,124	
	Saski	atchewan	A	lberta.	British	Columbia.	
Under \$ 25 \$ 25 50 50 100 100 200 200 500 500 1,000 1,000 5,000 5,000 and over	581 73 46 37 13 10 81	3,100,851 2,701,801 3,304,992 5,078,392 4,071,354 6,709,031 20,143,435	632 107 46 45 23 18 151	4,366,291 3,831,971 3,088,723 6,512,081 7,611,425 13,917,483 29,936,499	993 204 177 112 89 28 29 4	9, 239, 355 7, 387, 032 12, 389, 452 15, 477, 275 27, 400, 481 19, 065, 974 55, 090, 909 33, 119, 383	
Totals	768	45,190,856	886	69,263,573	1,636	179, 169, 861	

¹ Includes one or two of the larger class, grouped with those of the smaller class to avoid showing the individual production of any one establishment.

Size of Establishments as Measured by Number of Employees.—In Tables 29 and 30 the establishments reporting to the Census of Manufactures are classified by the number of their employees. In the comparative Table 29, it is shown that out of a total increase of 34,270 employees in our manufacturing industries between 1923 and 1931, 19,300, or almost 56 p.e., were in establishments with over 500 employees.

29.—Number of Establishments and of Employees In Canadian Manufactures, Grouped according to the Number of Employees per Establishment, 1923 and 1931.

		1923.		1931.			
Ores.	Establish- ments.	Employees.	Average Employed.	Establish- ments.	Employees.	Average Employed.	
	No.	No.	No.	No.	No.	No.	
F wei the analysis of to 29 employees 21 " 50 " 50 " 51 " 100 " 51 " 200 " 51 " 51 " 51 " 51 " 51 " 51 " 51 "	13, 156 5, 310 2, 093 1, 031 566 374 112	23,632 53,852 67,408 73,449 79,737 115,585 112,447	1.7 10.1 32.2 71.2 140.8 309.0 1,004.0	14,404 5,683 2,221 1,070 632 357 134	25, 131 56, 462 71, 658 76, 146 88, 964 110, 272 131, 747	1·7 9·7 32·2 71·1 140·7 308·8 983·1	
Totals,	22,642	526,110	23-3	24,501	560,380	22-8	

This total of employees in 1931 exceeds the total of 557,426 given elsewhere in this report because 2,954 contract workers in the salmon canneries of British Columbia and other provinces are included here but are excluded elsewhere.

Number of Establishments and of Employees In Canadian Manufactures, by Provinces, and Average Number of Employees per Establishment, 1931.

Province.	Under 5 Employ- ees.	5-20.	21-50.	51-100.	101-200.	201-500.	501 and over.	Total.
Prisca Liward Island— Establishments. Employees. Average per establishment	237 508 2·1	46 417 9-06	7 266 3·8	-	-	-	-	290 1,191 4-1
Nova Scotia— Establishments Employees Average per establishment,	980 1,630 1.6	333 3,009 9·03	72 2, 168 30·1	42 3,082 73·3	6 775 129·1	14 4,258 304·1	1,280 640	1,449 16,202 11·1
Sew Brunswick— Establishments Employees Average per establishment	559 1,321 2-3	208 1,992 9-5	61 2,000 32·7	25 1,823 72-9	9 1.222 135-7	8 2,915 364-3	2 2,094 104·7	872 13,367 15-3
Establishments Employees Average per establishment	4.869 7,319 1.5	1,387 13,973 10.07	605 19,555 32·3	303 21,563 71·1	165 22,998 139·3	118 38,452 325-8	58 56,964 982-1	7,505 180,824 24 · 09
Intario— Establishments Employees Average per establishment	5,307 9,934 1.8	2,631 26,482 10.06	1,097 35,440 32·3	523 37,058 70-8	339 47,555 140·2	179 52,629 294-01	64 60.641 947-5	10,140 269,739 26+6
Manitoba— Establishments Employees Average per establishment	490 538 1·09	259 2,514 9·7	115 3,767 32-7	47 3,297 70·1	26 3,707 142·5	14 4,467 319·07	5,903 1475·7	955 24, 193 25 · 3
Saskatchewan— Establishments Employees. Average per establishment	562 840 1·4	137 1,216 8-8	43 1,277 29-6	14 938 67·0	10 1,323 132·3	2 467 233 · 5	-	768 6,061
Alberta— Establishments Employees. A verage per establishment	612 1,127 1.8	169 1,591 9-4	52 1.693 32·5	27 1,826 67·6	18 2,336 129-2	7 2,227 318-1	1 998 998	886 11,798 13 · 3
Fritish Columbia— Establishments Employees Average per establishment	788 1,914 2·4	513 5,268 10·2	169 5,492 32·4	89 6,559 73·6	59 9,048 153-3	15 4,857 323-8	3 3,867 1,289	1,636 37,005 22-6

Isec note 1, Table 29, above.

Subsection 5. Power and Fuel.

Power.—The power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as the production is increasingly dependent on the power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in costs and values in the same manner as capital investments, values of products, etc. Power equipment will not reflect temporary depressions, but over a period of several years will indicate industrial growth or decline.

Central electric stations, which generate electricity for both lighting and power purposes, are treated in Table 31 separately from the other groups of industries. Internal combustion engines include all gasolene engines, natural, coal, and producer gas engines, and diesel and semi-diesel or other engines which produce power by burning the fuel in the cylinder.

Comparisons with the data for 1930 show an increase of 312,614 h.p. or 4.4 p.c. in 1931 in the total primary power equipment installed in all manufacturing establistments, including central electric stations, by far the largest increase amounting to 318,239 h.p., being in the central electric stations, there being a decrease in primary power installation in some of the other manufacturing groups due to the replacement of steam equipment by electrical equipment operated by purchased The water-power development of central electric stations increased by 278,210 h.p., while steam power installed increased by 39,738 h.p. and internal combustion engines by 291 h.p. Provinces with large water-power developments usually show the greatest primary power increases. During the year 1931 Quebec led with an increase of 187,047 h.p.; New Brunswick came second with an increase of 37,539 h.p., Ontario third with an increase of 26,054 h.p., Manitoba fourth with an increase of 23,061 h.p., and Saskatchewan fifth with an increase of 16,142 h.p. In the utilization of hydraulic power, Quebec exceeded Ontario for the first time in 1925. In 1927 Quebec exceeded Ontario or any other province in the total of installed primary power from all sources and has been the leading province since then, largely owing to its extensive water-power resources, 90 p.c. of its primary power in 1931 being derived from water.

The rapid increase in the development of power in Canada and in its utilization in manufacturing industries is illustrated by the summary figures for the years 1921 to 1931 in Table 31. The table is divided into two parts, the first showing manufacturing industries exclusive of central electric stations and the second showing central electric stations only. The abundance of readily available water power in many parts of Canada, facilitating the development of low-cost hydro-electric power, has no doubt played a large part in this rapid growth. Of the total primary power increase of 4,280,909 h.p., inclusive of central electric stations, in the 11 years, no less than 3,771,012 h.p. or 88 p.c. was in water power. However, some sections of Canada are not so well provided with water-power resources and chiefly in such sections primary power derived from steam engines and turbines and internal combustion engines has also increased rapidly during the period covered. In the provinces of Prince Edward Island, Nova Scotia, Saskatchewan and Alberta, primary power produced from fuels exceeded that from water in 1931. The total installation of electric motors increased 2,112,995 h.p., or 208 p.c. in the 11 years covered, by far the greatest part of this increase being in motors operated by power purchased from central electric stations.

31.—Totals for Canada, of Power Installed in the Manufacturing Industries other than Central Electric Stations and in Central Electric Stations, 1921-31, with Details by Provinces and Groups of Industries for 1931.

MANUFACTURING INDUSTRIES (EXCLUSIVE OF CENTRAL ELECTRIC STATIONS.)

		Primary	Power.		El	ectric Moto	ra.	
Province and Group.	Steam Engines and Turbines.	Internal Com- bustion Engines.	Hydrau- lic Turbines and Water Wheels.	Total Primary Power,	Operated by Purchased Power.	Opera- ted by Power Genera- ted by Establish- ments Report- ing.	Total Electric Motors,	Total Power Equip- ment Em- ployed.
	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.
Totals, 1921.	495, 534	37,696	492,508	1,025,738	-	-	1,014,216	
Totals, 1972	554,141	70,271	578,795	1,203,207	-	age.	1,162,649	-
Totals, 1923.	551,191	46,829	587,191	1,188,211	958,692	357,136	1,315,828	2,146,90
Totals, 1924	652,913	54,250	575,189	1,282,352	1,256,183	398,001	1,651,184	2,538,53
Totals, 1925.	686, 425	57,247	598,738	1,310,410	1,547,751	434,678	1,982,432	2,888,10
Totals, 1926	704, 158	56, 128	603,628	1,363,914	1,770,331	392,322	2,162,656	3,134,24
Totals, 1927	718,157	57,143	587,595	1,362,895	1,924,687	386,555	2,311,212	3,287,58
Totals, 1928	736,996	58,808	657,253	1,453,055	2, 139, 129	457,565	2,598,694	3,592,18
Totals, 1929	768,141	60,654	645,500	1,474,295	2,393,684	498,036	2,889,720	3,867,97
Totals, 1930	799,041	65,630	668,220	1,532,891	2,518,853	478,548	2,997,401	4,051,74
Totals, 1931	786, 307	73,401	667,558	1,527,266	2,587,411	539,800	3,127,211	4,114,67
PROVINCE, 1931.								
Prince Edward Isl. Nova Scotia. New Brunswick Juebec Jutario Manitolm Alberta	1, 659 92, 818 62, 847 190, 380 278, 635 12, 115 10, 352 22, 302	461 4,564 3,363 10,582 44,632 1,191 1,315 2,406	1,482 12,090 23,418 260,974 246,186 33 255 123	3,602 109,472 89,628 461,936 569,453 13,339 11,922 24,831	656 63,014 82,123 1,003,159 1,060,135 102,948 19,060 42,562	243.811 593 173	1,013 101,822 123,841 1,106,351 1,303,946 103,541 19,233 45,597	4, 25 172, 48 171, 75 1, 465, 09 1, 629, 58 116, 28 30, 98 67, 39
British Columbia and Yukon	115, 199	4,887	122,997	243,083	213,754	108,113	321,867	456,83
GHOUP OF INDUSTRIES, 1931								
egetable products unimal products extiles. Vood und paper ron and its pro-	60,016 20,481 23,267 446,972	13,801 5,316 1,517 19,406	36,300 1,792 34,200 511,677	110,117 27,589 58,984 978,055	212,284 71,303 127,968 1,148,343	26,286 1,705 26,866 336,070	238,570 73,008 154,834 1,484,413	322,40 98,89 186,98 2,126,39
ducts Non-ferrous metals Non-metallic	152,487 25,772	22,466 4,761	4,388 65,207	179,341 95,740	409,920 328,998	99,593 22,119	509,513 351,117	589,26 424,73
rainerals Chemicals Liscellaneous	31.554 18,252	4,629 484	5,424 8,570	41,607 27,306	170,572 69,587	14.524 12,637	185,096 82,224	212,17 96,89
industries	7,506	1,021	-	8,527	48,436	-	48,436	56,96

31.—Totals for Canada of Power Installed in the Manufacturing Industries other than Central Electric Stations and in Central Electric Stations, 1921-1931, with Detalls by Provinces and Groups of Industries for 1931—concluded.

CENTRAL ELECTRIC STATIONS.

		Primary	Power.		El	ectric Moto	rs.	Total
Provises.	Steam Engines and Turbines.	Internal Com- bustion Engines.	Hydrau- lic Turbines and Water Wheels.	Total Primary Power.	Operated by Purchased Power.	Opera- ted by Power Genera- ted by Establish- ments Reporting	Total Electric Motors.	Power Equip- ment Em- ployed.
Totals, 1921	h.p. 269,191	h.p. 15,871	h.p. 1,826,357	h.p. 2,111,418	h.p.	h.p.	h.p	h.p. 2,111,419
Totals, 1922	279,615	16,751	2,112,289	2,408,655		-		2,408,655
Totals, 1923	273,679	17, 191	2,282,547	2,573,417	_	-		2,573,417
Totals, 1924	291,354	18,241	2,707,957	3,017,552	_	_	-	3,017,552
Totals, 1925	305,491	20,188	3,416,018	3,742,697	-	p=	_	3,742,697
Totals, 1926	314,377	22,426	3,609,385	3,946,188	-	-	_	3,946,188
Totals, 1927	320,774	22,610	3,975,012	1,318,396	111 1-	-	-	4,318,396
Totals, 1928	316,311	25, 658	4,445,531	4,786,900	-	-		4,786,910
Totals, 1929	347,641	30,875	4,718,927	5,097,143	-	_	-	5,097,143
Totals, 1930	393,990	31, 162	5,114,109	5,572,561		-	-	5,572,561
Totals, 1931	433,728	31,753	5, 422, 319	5,890,800	0		-	5,890,800
Phovince, 1931.								
P.H. Island	4,248	920	464	5,632	_		_	5,632
Nova Scotia	48.571	1.184	80,007	129,762	-	-	-	129,762
New Branswick	30,530		105,485	137, 185	wh	-		137, 185
Untario	33,796 39,558	1,363 1,751	2,513,542 1,774,121	2,548,701 1,815,430	-		-	2,548,701 1,815,430
Manitoha	33.761	2,689	376,925	413,375			-	413,375
Saskatchewan	117,230	17,796	-	135.026	-	-	-	135,026
Albertic	77,204	3,903	69,520	150,627	-	-	-	150,627
British Columbia	48,830	3,977	502,255	555,062	-	-		555,062

Fuel.—The fuel used in industrial establishments in 1931 included 5,336,545 tons of bituminous coal, valued at \$28,809,385, constituting 61·8 p.c. of the total fuel cost. The other chief fuels in order of value were: fuel oil, comprising 12·8 p.c., gas (principally natural gas) 10·7 p.c., coke 3·9 p.c., wood 3·9 p.c., and authracite coal 2·4 p.c. Out of a fuel account of over \$46,000,000, Ontario expended \$21,702,807 or 46·5 p.c. of the total. The manufacturing concerns of Quebec expended \$13,140,836, those of British Columbia \$3,031,324, and those of Nova Scotia \$2,277,704.

The groups of industries in which fuel was most extensively used in 1931 were: wood and paper, \$10,577,000; non-metallic minerals, \$10,447,000; iron and steel, \$7,021,000; and vegetable products, \$6,069,000. Fuel is used quite generally throughout the industrial field for the generation of power by means of internal combustion and steam engines. The most important industries where heat is applied directly to materials to transform them or to facilitate their manipulation are foundries and machine shops, blast furnaces and steel mills, smelting plants, brick-, tile-, lime- and cement-making, petroleum refining and the glass industry. In such industries as the manufacture of coke and gas the coal used as a material which enters into the actual composition of the product is not treated as a fuel but as a raw material and is not, therefore, included in the figures of Table 32.

The total annual expenditure on fuel decreased by \$4,998,344 or 9.7 p.c. in the 10 years from 1921 to 1931, covered by the summary figures in Table 32. During this period prices of fuels generally have declined. Thus there has been an increase of 30 p.c. in the quantity of bituminous coal used while the value has decreased 17 p.c. The fuels which have shown the greatest proportionate increases are gas and oil.

32.—Total Fuel Used in the Manufacturing Industries of Canada, 1921-31, with Details by Provinces and Groups, 1931.

Produce and	Bitumino	ous Coal.	Anthra- cite	Coke.	Oil.	Wood,	Gas.	Total.1
Green	Quantity.	Value.	Coal.	Coke,	OII.	Wood,	Cras.	TOTAL.
	Lons	\$	\$	\$	\$			\$
Totals, 1921	1.103,071	34,752,681	2,915,752	2,497,400	5,417,800	L-	-	51,640,91
Totals, 1922.	4,101,463	29,914,585	3,616,185	3,299,016	5,649,071	2,085,444	1,616,802	48,920,50
Totals, 1923	5,338,146	38, 283, 135	4,614,239	3,238,257	6,241,692	2,514,157	1,904,058	58,736,93
Totals, 1924	5,518,255	34,438,554	4,642,654	2,250,232	5,780,752	2,595,064	4,711,186	57,068,21
Totals, 1925	5,902,197	34,034,531	2,564,489	5,015,239	7,246,961	2,700,979	3,570,180	57,818,70
Totals, 1926.	6,409,227	36,723,359	2,266,935	4,176,584	7,371,769	2,645,505	4,233,073	59,695,99
Totals, 1927	6,478,883	36,053,827	2,435,720	3,890,378	7,220,529	2, 492, 495	5, 272, 735	60, 105, 21
Totals, 1928	6,639,736	37,871,736	2,070,989	1,819,347	7,380,552	2, 439, 104	5,434,805	59,761,26
Totals, 1929	7,062,234	39, 315, 723	1,985,332	2,354,542	8,778,491	2,693,629	6,214,847	64, 425, 485
Totals, 1939	6,385,728	34,073,553	1,892,789	1,927,214	7,847,513	2,282,402	5,953,767	58, 518, 74
Totals, 1931	5,338,545	28,809,385	1,134,356	1,809,671	5,952,146	1,795,813	4,970,315	46,642,56
Province, 1931.								
II. I-land lova Scotia. Lew Brunswick habec halario. Manitoba. Skatchewan Alberta. Critish Columbia	12,690 320,125 293,562 1,558,550 2,584,431 157,011 95,075 115,782		629 20,000 8,173 634,443 471,111	5, 103 85, 569 30, 154 336, 894 1, 115, 314 58, 971 66, 543 14, 170	14, 308 399, 839 47, 238 1, 668, 498 1, 977, 572 200, 799 342, 476 99, 800	10,606 44,982 87,944 541,033 581,642 137,277 37,726 21,588		113, 200 2,277,70- 1,719,531 13,140,830 21,702,800 1,918,080 1,596,174 1,142,912
GROUP OF INDUSTRIES, 1931.	199,319	987,867	-	96, 953	1,201,616	333,015	114,403	3,031,32
egetable products annal Products.	581,898 305,741		291,111 33,644	445,313 19,036	717,283 132,358	430,483 418,172	667,491 70,740	6,069,07 2,668,22
products	440,898	2,647,201	208,773	54,392	106,730	58,593	88,844	3,295,91
Vood and paper products	1,505,033	8,313,680	281,064	60,286	917, 108	442,776	152,590	10,576,59
on and its pro-	780,926	3,801,910	138,031	356,038	1,094,900	43,677	1,306,936	7,020,57
products	363,618	1,952,165	41,415	120,241	656,028	21,426	173,434	3,006,82
eral products	905,747	4,919,416	68,632	705,673	1,842,390	332,562	2,457,691	10,447,47
henricals and al- hed products	200,682	1,035,749	50,847	38,917	77,038	10,964	24,213	1,313,13
discellaneous in- dustries	39,994 212,008	248,761 994,233	16,596	9,775	42,842 365,469	5,284 31,876	18,892 9,484	352, 49 1,892, 25

[!] Includes other kinds of fuel which in 1931 were as follows:—Lignite coal, \$941,410; gasolenc, \$313,070; other fuels, \$916,402.

(8937 5)

Section 5.—Manufacturing Industries in Cities and Towns.

The prosperity of most of the rities and towns of Canada, especially in the East, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully employed population. In the West the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 33, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion of the gross manufacturing production which is produced in cities and towns having a gross production of over \$1,000,000 each. In the more highly industrialized provinces of Outario and Quebec such cities and towns account for about 87 p.c. of the total, while in British Columbia and Prince Edward Island, where sawmilling, fish-packing, and dairying are leading industries, the proportion falls to 59 p.c. or less. In the Prairie Provinces manufacturing is largely confined to a few large urban centres.

33.—Cities and Towns with a Gross Manufacturing Production of over \$1,000,000 each, Number of Establishments and Total Gross Production in such Cities and Towns as a Percentage of the Grand Total, by Provinces, 1931.

Note.—Statistics published in this table are in some cases higher than the figures published in Table 35, since, in the table below are included statistics of towns with less than three establishments and production of over \$1,000,000 each. It was not possible to publish this information in Table 35 without disclosing the operations of individual establishments.

Province.	Cities and Towns with a Gross Production of over \$1,000,000 ench.	Establishments Reporting in Cities and Towns Producing over \$1,000,000 each.	Total Production in Cities and Towns Producing over \$1,000,000 each.	Total Production in each Province.	Production in Cities and Towns as a Per- centage of Total Pro- duction in each Province.
	No.	No.	\$	8	p.e.
Prince Edward Island Nova Scotia Nova Scotia New Brunswick Quebee Ontario Manitoba Saskatchewan Alberta British Columbia	1 10 9 50 94 6 4 5	36 302 272 3,123 6,039 649 218 363 1,018	1,765,850 56,442,059 36,874,722 717,877,988 1,164,996,522 103,187,732 37,891,755 56,824,947 103,847,444	4,136,576 70,679,503 55,209,818 849,154,353 1,312,400,828 118,540,865 44,265,151 68,367,411 175,707,357	42·7 79·8 66·8 84·5 88·7 87·0 85·6 83·1 59·1
Canada	191	12,020	2,279,709,019	2,698,161,862	84-5

The five chief manufacturing cities of Canada are Montreal, Toronto, Hamilton, Winnipeg and Vancouver. Statistics showing the trend of production in these cities during the latest ten years for which the figures are available are given in Table 34. According to the census of 1931, Hamilton was proportionately the most largely dependent of these cities upon manufacturing industries. About 45 p.c. of its gainfully employed population was employed in manufacturing, as compared with 28 p.c. in Toronto, 27 p.e. in Montreal, 18 p.c. in Winnipeg and 16 p.c. in Vancouver.

Thirteen other important cities with a gross production of manufactured goods of over \$20,000,000 each in 1931 were as follows, in descending order of the value of their products: London, Kitchener, Quebec, Oshawa, Ottawa, Three Rivers, Calgary, Walkerville, Sarnia, Peterborough, Montreal East, Shawinigan Falls and Edmonton. Statistics of manufactures of cities and towns with a gross production of \$1,000,000 and over and with three or more establishments are given for 1931 in Table 35.

34.—Principal Statistics of the Manufacturing Industries of the Five Leading Manufacturing Cities of Canada, 1922-31.

City and Year.		Estab- lish- ments.	Capital.	Em- ployees	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
		No.	\$	No.	\$		\$
	1922 1923 1924 1925 1926 1927 1928 1929 1930	1,461 1,451 1,560 1,661 1,736 1,823 1,834 1,818 1,825 1,992	350, 839, 911 473, 624, 425 469, 354, 640 517, 209, 355 543, 557, 131 552, 788, 702 481, 181, 947 495, 081, 053 485, 332, 181, 469, 455, 443	78,100 85,603 86,648 90,584 96,141 98,353 101,668 104,330 98,905 91,327	81,829,111 93,943,718 94,725,516 98,441,694 109,304,475 113,797,512 119,226,844 125,501,945 115,751,191 102,368,420	198, 697, 089 226, 198, 441 224, 134, 382 233, 287, 050 275, 714, 382 259, 104, 230 273, 015, 114 293, 927, 832 250, 718, 415 194, 793, 369	389, 098, 17(459, 254, 650 444, 852, 084 460, 252, 266, 407 540, 267, 591 554, 311, 577 548, 832, 894 532, 404, 756 438, 237, 287
	1922 1923 1924 1925 1926 1927 1928 1929 1930	1,811 1,933 1,928 1,957 2,013 2,092 2,221 2,236 2,320 2,443	392, 469, 184 389, 772, 678 410, 244, 008 429, 165, 022 451, 233, 965 475, 475, 308 505, 207, 658 549, 328, 334 524, 161, 983 518, 626, 003	78, 833 82, 267 80, 001 82, 728 86, 439 92, 238 100, 034 102, 406 94, 745 91, 105	92,930,846 97,417,033 96,554,310 100,769,782 107,734,568 115,556,907 125,579,569 133,722,929 121,221,281 115,043,020	205, 568, 765 210, 786, 422 213, 493, 889 246, 399, 340 270, 290, 114 270, 275, 071 293, 830, 796 304, 208, 614 253, 974, 080 195, 476, 790	394,065,055 409,829,555 401,367,127 447,098,824 489,522,114 520,066,313 565,444,322 593,253,566 521,540,086 426,583,695
	1922 1923 1924 1925 1926 1927 1928 1929 1930	437 436 427 415 417 422 426 416 439 450	143, 168, 098 170, 378, 119 170, 993, 755 166, 294, 590 172, 345, 587 179, 328, 754 201, 584, 803 221, 427, 642 214, 227, 256 209, 615, 031	23,476 25,797 23,772 23,619 27,087 29,210 30,787 35,375 31,053 26,539	26, 256, 146 31, 399, 136 28, 513, 251 27, 977, 960 33, 244, 170 40, 276, 968 47, 535, 648 39, 661, 672 31, 657, 029	50, 844, 910 77, 140, 899, 56, 884, 010 62, 102, 984 74, 066, 846 72, 757, 263 79, 114, 898 94, 404, 240 75, 785, 992 50, 201, 527	100, 280, 131 141, 097, 732 118, 591, 000 122, 207, 849 146, 037, 029 152, 107, 454 166, 262, 355, 197, 949, 081 166, 910, 538 125, 164, 616
	1922 1923 1924 1925 1926 1927 1928 1929 1930	436 424 411 409 446 408 491 501 519 513	46, 251, 208 70, 788, 577 87, 489, 506 89, 688, 323 96, 801, 995 108, 635, 882 115, 678, 092 125, 321, 028 123, 781, 546 129, 849, 693	10,679 11,542 11,934 14,346 15,474 16,759 18,340 19,150 19,749 17,693	13,858,116,14,704,566,15,395,262,18,390,797,20,086,607,21,290,167,23,994,480,25,216,832,25,844,816,22,292,946	36, 766, 668 36, 172, 282 40, 837, 275 42, 388, 504 46, 501, 703 48, 921, 620 35, 275, 785 55, 116, 644 45, 720, 081 32, 005, 602	66, 925, 392 70, 529, 471 74, 755, 670 79, 614, 829 87, 696, 243 95, 590, 951 105, 456, 066 109, 320, 76 94, 407, 201 73, 723, 211
	1922 1923 1924 1925 1926 1927 1928 1929 1930	485 507 498 507 523 556 620 639 681 681	75, 030, 953 80, 053, 568 93, 699, 451 102, 105, 028 106, 624, 727 116, 754, 995 123, 029, 880 129, 078, 372 128, 684, 902 126, 641, 532	10,598 11,400 13,417 13,334 14,781 14,897 16,013 16,663 16,068 14,209	10,579,482 13,815,995 16,920,959 18,384,973 18,347,299 19,254,035 20,263,435 21,882,312 20,874,524 17,094,786	35,507,418 40,518,790 43,691,647 42,020,970 46,120,382 47,290,240 49,597,035 50,933,163 45,730,258 33,270,166	63, 172, 984 71, 221, 905 77, 860, 758 75, 823, 721 84, 831, 422 87, 754, 347 94, 131, 608 99, 646, 413 90, 975, 000 72, 999, 316

35.—Statistics of Manufactures of Municipalities with a Gross Production of \$1,000,000 or over, and with Three or more Establishments, 1931.

Chry or Town.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	5	No.	\$	\$	\$
Prince Edward Island-						
arlottetown	36	2,157,910	434	441,834	872,542	1,765,850
Nova Scotia				part of the		
Habifax Cartmouth Sydney Tenton Lyerpool Traro Amberst New Glassow	113	21,701,141	3,624	4,048,880	4,908,869	14, 107, 640 12, 627, 690
Dartmouth	14 36	13,677,921 24,138,439	780 2.093	1,066,252 1,988,869	8,139,117 3,595,157	12,627,690 9,464,661
Legaton	4	9.032.560	784	990, 252	3,654,464	5,703,298
fverpool	9	17,596,064	585	834,431	1.723,528	4,884,944
Amhoret	27 25	3,344,489 6,032,063	936 640	756.824 626.329	1,491,034 926,384	2,948,409 2,239,597
		2,926.134	603	650,193	579,000	1,858,461
Windsor. Yarmouth	14 31	4,015,712 2,727,033	307 458	255,860 321,824	617,169 440,587	1,314.026 1,293.333
No The constant of the last	0.2	2,721,000		022,022	220,000	2,200,000
New Brunswick Sait John Moneton I simundaton St Stephen I dericton Milltown Grand Falls Lackney	130	19,716,885	2.689	3.104.124	9,473,612	12,270,076
Maneton	51	7,839,412	2,314	2,677.596	2,804.880	6,723,864
Lanundaton	11	16.383,961	521	470.121 528.251	1,672,051 1,094,183	3,594,178 2,579,821
levelericton	19 29	2,357,423 2,511,552	560. 449	448, 985	596,866	1,411,142
Milliown	3	2.238.272	466	398, 361	741.455	1,252,298
Grand Falls	11	15.225.922 9.027.321	117 369	105,630 407,749	97,904 560,279	1,119,017
Qurbec-						
Montreal Cuebee Three Rivers Montreal East	1,992	469.455.443	91.327	102,368,420	194,793,369	438,237,287
Chebee	257	65,216,126	9,511	8,729,876 5,148,878	13,056,535	33,848,800 28,427,631
Martrul Fast	58	71,185,671 40,308,766	5,275 1,547	2,238,051	9,427,476	22,678,061
	25	128,912,906	3,138	4,216,660	3,895.379	20,144,185
La Salle	9	28,033,198	1,369	1,718,357	6,907,528	13,772,364 12,858,239
La Salle Lachine Sherbrooke	33 72	21,654,917 22,616,930	2,808	4,356,445 3,187,452	5,426,188 5,070,413	11,999,409
Circulty	31	9,325,093	2,972	3,187,452 2,336,227	3,488,697	9.669.866
Granby Usan mondville St Hyncinthe Had Magog	21 57	21,056,456 10,791,033	2.909	2,793,820 2,073,071	3,639,755 3,467,264	9,736,358 8,181,298
Figure 11 yacınthe	40	11, 283, 118	1,861	1,956,114	2,965,344	7.577.416
Mageig	14	6,836,047	1.402	1.141.554	4,807,370	7,178,851
St Jean	42 32	10,792,556 12,169,048	2,420 2,307	2,168,979 1,876,698	3,007.538 2,373.041	6,976,879 6,888,378
St. Jerome	30	12.513.376	2,459	1,821,083	2,438.971	5,415,675
Grand' Mère	16	27,556,007	992	804,232	1,443,085	4,110,955
	13	3,707,018	869 684	1,205,702 868,604	1,107,738	3,770,185 3,548,403
lackingham	13	15,896,617 24,781,575	460	440,045	1,023,481	3,435,211 3,277,149
In Tuque	12	12,929,254	818	1,093,124	1,472.035	3,277,149 3,200,328
R. stogami P. skingham ! Thque !! Final !! Pierre.	11	3,041,865 6,459,544	285 817	319,208 1,099,866	1,361,558 1,002,973	3, 200, 328
bownacons	3	9,406.563	521	649,881	861,074	2,901.624
I SIZIND	6	1,781,303	460 969	549,504 913,075	1,334,082 887,611	2,747,950 2,338,876
Verdun. St. Joseph d'Alma. Comansville	20	3,326,132 14,659,829	403	507,330	854.872	2,257,566
Coxapsville	10	2,404,136	632	570,463	1,218,785	2,242,784
	24	2,326,328	818	718.024	1,030,801	2,162,597 2,135,425
Beauharnois Serel Johette Bownsburg Louiseville	9 21	6,256,969 2,226,401	1,329	459.384 1,330,563	429, 199 611, 414	2,135,423
Johnstie	42	2,471,522	706	507.104	779,081	2, 105, 469
Toownsburg	6	1,982,616	447	428, 150	559,002 1,104,776	2,008,487
1 ouisoville	10	1,829,322 5,503,925	687 497	446,197 453,893	728,541	1,949,334 1,927,139
Windsor	20	10,605,737	260	274.749	150,185	1,779,732
- Last Angus	8	8,216,772 1,586,073	457 460	554,874 599,579	1,321,747 653,405	1,732,749 1,579,255
Castremont	10 22	2 409 120	601	339,631	658,058	1,424,259
Cap de la Madeleine.	10	855, 464	207	155.710	696,049	1,287,037
Berthier	13	855, 464 6, 057, 596 3, 485, 631	342 266	303,869 223,068	668,100	1,279,487 1,268,089
Kumouski	13 11	3,485,631	198	169,644	694,761 582,723	1,250,631
Delson	4	1.634.067	323	364.519	401,042	1,221,966
Costretook Cap de la Madeleine Barthier Ramouski Pertneul Delson St. Remi Waterbee	11	597,372 1,183,715	92 288	62, 982 234, 887	534,005 318,590	1,092,512
Wictivelian Franklin	in in	1,183,748	255	284,884	518 5180 400 748	1 0003 389

45.—Statistics of Manufactures of Municipalities with a Gross Production of \$1,000,000 or over, and with Three or more Establishments, 1931.—continued.

Chy or Town.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	8	No.			\$
last weigh						
Untario	2,443	518,626,003	91,105	115,043,020	195,476,790	426,583,692
Toronto	450	209,615,031	26,539	31,657,029	50, 201, 527	125, 164, 616
Landon	239	43,893,929	8,648	9,941,698	14,515,455	39, 126, 557
as the lighter	141	36,370,676	7.875	7,913.904	13,997,210	34,991,982
C fawa. Carwa. Wakerville.	46	24,743,493	4.987	5,823,135	15,464,622	29, 133, 466
Laterwith	207	55,561,883	7,793	9,459,420	11,106,087	28,702,838
Walkerville	60	33,811,763	4,083	5,509,596	15,666,045	27,301,278
THE STATE OF THE S	991	24.282.649	2.591	3,440,168	15,601.343	24.870.447
Februariord Figure Windsor	89	23,948,733	4,589	4,763,385 5,585,738	11,274,261	23,530,247
Frationi	99	48,358,378	5,513	5,085,738	8,524,579	10,422,441
last Windsor	12	21.830.739	3,584	5,460,924	10,136,097	19,388,865
Yow Toronto	15	27,383,689	2,344 2,186	2,985,551	230.451	15,088,379
Nangara Falls		43,877,478 23,592,989	2,862	2,942,981 3,957,289	3,757,549 4,745,168	13,686,998
Wandsor	108	19,586,450	3,645	3,915,300	5, 153, 580	13,387,502
St. Catharines.	47	63.156.747	1.692	2,757,577	5.558,487	12.672.466
Cornwall,	43	24,584,801	3.722	3.358.822	4.224.612	12, 535, 675
Centernh	0.4	15,580,964	3.716	3,482,586	4,786,025	11.654.289
Welland	44	23,284,345	2,790	2.777.025	5,732.268	11.269.533
Welland Thoroid Galt	21	28,362,964	1,414	2.070.681	3,888,725	10,239,046
Galt	81	15, 105, 199	3,701	3,541,234	3,550,967	9,645,225
Fort Colborne	17	11,222,035	559	732,947	6,662,106	9,276,404
Stratford	61	10.134,819	2,800	3,325,523	4,321,820	9,053,059
Chatham	59	13,125,796	1.622	1,829,274	5,328,590	8,645,517
Voorprois Falls	3	24,995,490	964	1,880,064	2,054,146	8,218,389
Weadstock	57	10,243,811	2,252	2,355,380	3,317,402	8.147,999
Napas Kasing	9	32,883,236	939	1,463,657	2,305,700	7,274,160
fort William	41	29, 086, 753	971 296	1,217,365	2,509,488	6,917,580
Re-watin Lauside. Lauside. Launington	10	3.595,182	1,364	344,576	5.172.985	6.732,457
timestate	13	11,034,905	626	1.868,738 628,940	3,597,479	6,640,406
I FIGURE	14	4,412,080	537	509,720	984,991 2,454,904	6,080,569
THE THINK CONT	25	6, 834, 995	775	751,499	3,542,821	5,828,182
Prockville	33	6,442,741	935	1.023.018	3,639,710	5,686,434
Bollovilla	52	13,805,954	1,235	1,217,505	1,540,377	5,609,058
Belleville Wallaceburg	18	5.798.253	918	1.083.591	2,363,320	4.793.303
Peaston	35	6.504,326	1,473	1,532,878	2,023,080	4,728,729
Waterloo	41	11,064,166	1,180	1,197,185	1,792,038	4,546,77
lassigston	61	13,864,019	1,269	1,398,763	1,746,078	4,470,144
Pact Arthur	56	6,899,322	1,586	1,423,235	1,846,834	4.355.232
Part Arthur	. 28	17,446,669	844	1,162,392	1,130,434	4,181,873
1 ort Francis,		14.204.123	542	707,005	1,456,746	3,795,783
derritton	12	5,225,042	519	741,649	1,420,599	3,505,289
Underich,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20	2,204,744	343	341,802	2,449,461	3.483.988
Coderich	34	5,830,496 4,171,024	1,067	911, 692 938, 943	1,695,044	3,480,147 3,329,408
SI MUENO	90	5,186,436	459	562,404	1,371,285	3,329,408
St Marys	21	4,471,120	1,008	829, 201	1,399,234	3,058,271
Paris Soulwich Chippewa Newmarket	10	6, 203, 423	496	690.096	249.804	2,961,283
Cinppewa	6	2,047,829	316	445,454	914.672	2,936,413
Newmarket	16	3,672,392	696	727,813	1,382,518	2,911,617
Perth		3,485,737	750	810, 229	1.061.905	2,699,187
its frew	22	4,479,809	684	642.201	1,256,707	2,477,633
Testrew.	. 26	2,514,884	854	833,970	1,140,053	2,447,459
Cardinal	. 7	2,451,137	322	421,218	1.243.622	2,420,659
Liewmanville	. 16	3,594,653	482	522,525	824.573	2,402,025
Weston	. 14	3,703,793	718	778.795	732,557	2,367,83
[agersoll	23	4,294,236	609	593,457	1,259,930	2,364,360
Hawkesbury	11	4,761,922	427	507,913	1,610,111	2,353,08
Hawkesbury Haspeler A therstburg	15	5, 150, 053	993	852,411	960.983	2,318,667
Carrelia	10	11.423.179 2,172,912	324	420.159	361,910	2,306,740
			171	231,453	1,354,512	2,214,933
Costgetown Hanover Ordlin Midland	14	3,873,768 2,421,096	527 487	490,828 440,484	1,069,023	2,157.37
ilenaver	16	3,332.029	674	579,423	1,139,043 853,382	2,026,719
Orillin	35	3,332,029	653	673 167	819,089	1,977,71
Midland	16	2,313,902	391	367,463	1,236,867	1,955,04
		3,043,450	401	497.173	751,753	1,849,65
Huntsville	14	2.913,017	291	226, 148	1,046,339	1,862,186
Hantsville. Cobourg	28	2,735,812	385	399,865	728,801	1,805,908
Avimer Bridgeburg	12	3,089,942	223	235, 283	969 144	1,803.808
11 1 1 1	6 17	2.051.704	272	301_614	734,824	1,790-22

35.—Statistics of Manufactures of Municipalities with a Gross Production of \$1,000,000 or over, and with Three or more Establishments, 1931—concluded.

City or Town. Establish Capital. Employees. Salaries and Materials. Products.	;						
Ontario Concluded Dunchas 22	City or Town.	lish-	Capital.		and	of	of
Dundas		No.	\$	No.	\$	\$	\$
Tillsonburg. 18 1.589.931 350 330.067 930.025 1.724.165 Aurorn. 8 1.549.778 392 4402.766 1.058.031 1.643.651 Port Hope. 28 1.925.138 481 557.317 520.635 1.645.735 Port Hope. 28 1.925.138 481 522.371 782.421 1.615.735 Barrie 19 1.551.514 334 333.413 959.410 1.507.669 Lindsay 30 3.099.461 413 427.844 659.635 1.597.669 Lindsay 30 3.099.461 413 427.844 659.635 1.562.329 Kenora 14 15.667.992 214 223.807 1.028.959 1.562.329 Carleton Place. 16 2.334.520 616 559.805 509.122 1.562.329 Carleton Place. 16 2.334.520 616 559.805 509.122 1.532.952 Carleton Place. 18 8 874.428 182 229.984 647.521 1.359.929 Oakwille. 18 1.384.227 355 389.662 509.988 1.332.212 Dunnville. 21 1.687.143 350 303.855 603.506 1.234.138 Listowel. 17 859.144 386 313.688 509.98 1.123.221 Dunnville. 21 1.687.143 350 303.855 603.506 1.234.138 Listowel. 17 859.144 386 313.688 509.98 1.213.237 Arnprior. 18 1.608.754 267 229.143 395.108 1.161.18 Smith's Falls. 21 3.174.814 418 390.533 489.689 1.129.281 Crimish's Falls. 21 3.174.814 418 390.533 489.689 1.129.281 Crimish's Falls. 21 3.174.814 418 390.533 489.689 1.129.281 Crimish's Falls. 21 3.174.814 418 390.533 489.689 1.129.281 Brandon. 38 490.905 81 125.783 241.661 1.015.259 Manithese. 43 8.901.905 1.517 1.821.806 11.946.530 1.105.259 Manithese. 43 8.901.905 1.517 1.821.806 11.946.530 1.105.259 Brandon. 38 2.991.376 380 456.660 1.026.013 3.392.15 6.645.128 Brandon. 46 680.581kirk. 9 2.087.156 358 361.126 297.771 1.104.330 Exclarate Laberta 20 1.573.066 321 380.627 1.093.006 2.210.882 British Columbia. 43 1.267 1.723.584 4.928.308 10.003.123 4.928.308 10.003.123 4.928.308 4.928.308 1.938.213 4.928.308 1.938.213 4.938.308 1.938.213 4.938.308 1.938.213 4.938.308 1.938.213 4.938.308 1.938.213 4.938.308.212 4.845.128 4.928.308 1.938.23 4.938.308 1.208.22 4.842.541	Ontarlo concluded						
Autora	Dundas						
Port Hope							
Port Credit.	Port Hope						
Barrie	Port Credit						
Lindsay							
Carleton Place	Lindsay		3,099,461	413	421.700		1,568,268
Ayr	Acton						
Ayr	Kenora						
Chesterville	Avr	7					
Dunnyille	Chesterville.	8					
Dunnville	Oakville	18	1.384.227	355	389,662	598,968	1.342,212
Araprior							
Collingwood	Listowel						
Smith 8 Fails	Collingwood						
Copper Cliff. 3	Smith's Falls						1.129.261
Manifoba	Grimsby				273,242		1.057.826
Winniper	Copper Cliff	3	8,446,992	81	125.793	241,661	1,015,259
Winniper	Manitoba-						
St. Bonifinee		543	120,849,693	17,693	22, 292, 946	32,005,602	73,723,211
Brandon	St. Boniface						17.984.916
Selkirk 9 2,087,156 358 361,126 297,771 1,104,330 Saskatrhewan Regina 90 34,589,756 2,328 3,176,911 8,141,098 18,000,908 Siskatoon 73 10,033,113 1,267 1,723,594 4,928,368 10,003,123 Moose law 35 14,151,989 782 1,005,350 4,538,482 7,608,042 Prince Albert 20 1,573,066 321 380,627 1,093,006 2,219,682 Alberta Calgary 155 35,831,172 4,502 5,643,894 15,807,725 28,000,169 Islamonton 159 23,212,331 4,084 5,127,350 10,348,760 20,128,405 Medicine Hat 21 6,452,272 55,4 648,573 3,051,232 4,842,541 Lchbridge 24 2,992,234 342 460,889 807,334 2,334,594 Rriffsh Columbia Viacoaver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 </td <td>Transcona</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Transcona						
Selkirk 9 2,087,156 358 361,126 297,771 1,104,330 Saskatrhewan Regina 90 34,589,756 2,328 3,176,911 8,141,098 18,000,908 Siskatoon 73 10,033,113 1,267 1,723,594 4,928,368 10,003,123 Moose law 35 14,151,989 782 1,005,350 4,538,482 7,608,042 Prince Albert 20 1,573,066 321 380,627 1,093,006 2,219,682 Alberta Calgary 155 35,831,172 4,502 5,643,894 15,807,725 28,000,169 Islamonton 159 23,212,331 4,084 5,127,350 10,348,760 20,128,405 Medicine Hat 21 6,452,272 55,4 648,573 3,051,232 4,842,541 Lchbridge 24 2,992,234 342 460,889 807,334 2,334,594 Rriffsh Columbia Viacoaver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 </td <td>Portugo La Prairie</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Portugo La Prairie						
Saskatchewan	Selkirk						
Regina 90 34,589,756 2,328 3,176,911 8,141,098 18,090,908 Saskatoon 73 10,033,113 1,267 1,723,594 4,928,368 10,003,123 Moose Jaw 35 14,151,999 782 1,063,350 4,538,482 7,608,042 Prince Albert 20 1,573,066 321 380,627 1,093,006 2,219,682 Alberta 20 1,542,243 4,094 5,127,350 10,348,760 20,128,405 Metheine Hat 21 6,452,272 554 <td></td> <td></td> <td></td> <td></td> <td>1 1 - 1</td> <td></td> <td></td>					1 1 - 1		
Saskateon		90	34,589,756	2,328	3,176,911	8.141.098	18,060,908
Prince Albert 20	Saskatoon					4,928,368	
Alberta	Moose Jaw						
Calgary 155 35,831,172 4,502 5,643,894 15,807,725 28,000,169 Lefmonton 159 23,212,331 4,084 5,127,350 10,348,760 20,128,405 Methicine Hat 21 6,452,272 554 648,573 3,051,232 4,842,541 Lethbridge 24 2,992,234 342 460,889 807,334 2,334,594 Raymond 4 3,123,510 131 183,405 907,526 1,519,238 British Columbia— Vincouver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 Victoria 146 21,187,224 2,401 2,841,296 2,745,427 9,166,961 New Westminster 64 13,449,545 1,621 1,800,024 5,255,235 9,093,952 Rossland 7 11,966,090 159 263,042 14,559 2,21,658 North Vancouver 17 4,905,470 445 671,868 1,005,743 2,208,423	Prince Albert	20	1,573,066	321	380,627	1,093,006	2,219,682
Edmonton 159 23,212,331 4,084 5,127,350 10,348,760 20,128,405 Medicine Hat 21 6,452,272 554 648,573 3,051,232 4,842,541 Lethbridge 24 2,992,234 342 460,589 807,334 2,334,594 Raymond 4 3,123,510 131 183,405 907,526 1,519,238 British Columbia Vincouver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 Vincouver 681 126,641,532 14,209 17,094,786 2,745,427 9,166,661 New Westminster 64 13,469,545 1,621 1,800,024 5,255,235 9,003,952 Rossland 7 11,966,020 159 263,042 14,559 2,221,658 North Vancouver 17 4,905,470 445 671,868 1,005,743 2,208,423 Nelson 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,862 308 639,680 715,975 1,347,435 Fernic 11 6,343,886 186 216,101 462,077 1,295,545 Arbotsfort 5 572,807 113 102,873 675,223 1,140,475 Port Alberni 7 744,476 159 233,886 706,631 1,666,964 Prince Rupert 18 3,525,067 256 383,934 594,255 1,031,431							
Medicine Hat 21 6,452,272 554 648,573 3,051,232 4,842,541 Lethbridge 24 2,992,234 342 460,859 807,334 2,334,594 Raymond 4 3,123,510 131 183,405 907,526 1,519,238 British Columbla— Vincouver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 Victoria 146 21,187,224 2,401 2,841,296 2,745,427 9,169,961 New Westminster 64 13,469,545 1,621 1,800,024 5,255,235 9,003,952 Rossland 7 11,966,090 159 263,042 14,559 2,21,658 North Vancouver 17 4,905,470 445 671,868 1,005,743 2,208,423 Nelson 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,802 398 639,680 715,975 1,347,435 Fermie	Calgary						
Raymond 4 3,123,510 131 183,405 907,526 1,519,238 British Columbia—Vancouver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 Victoria 140 21,187,224 2,401 2,841,296 2,745,427 9,166,961 New Westminster 64 13,469,545 1,621 1,800,024 5,255,235 9,003,952 Rossland 7 11,966,090 159 263,042 14,559 2,21,65,86 North Vancouver 17 4,905,470 445 671,868 1,005,743 2,208,423 Nelson 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,862 308 639,680 715,975 1,347,435 Ferrice 11 6,343,886 186 216,101 462,077 1,295,545 Abbotsford 5 572,807 113 102,873 675,223 1,40,475 Port Alberni 7 744,476 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Raymond 4 3,123,510 131 183,405 907,526 1,519,238 British Columbia—Vancouver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 Victoria 140 21,187,224 2,401 2,841,296 2,745,427 9,166,961 New Westminster 64 13,469,545 1,621 1,800,024 5,255,235 9,003,952 Rossland 7 11,966,090 159 263,042 14,559 2,21,65,86 North Vancouver 17 4,905,470 445 671,868 1,005,743 2,208,423 Nelson 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,862 308 639,680 715,975 1,347,435 Ferrice 11 6,343,886 186 216,101 462,077 1,295,545 Abbotsford 5 572,807 113 102,873 675,223 1,40,475 Port Alberni 7 744,476 </td <td></td> <td></td> <td>2 992 234</td> <td></td> <td></td> <td></td> <td></td>			2 992 234				
British Columbia— Vancouver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 Victoria 146 21,187,224 2,401 2,841,296 2,745,427 9,109,961 New Westminster 64 13,469,545 1,621 1,800,024 5,255,235 9,003,952 Rossland 7 11,966,090 159 263,042 14,559 2,221,658 North Vancouver 17 4,905,470 445 671,868 10,05,743 2,208,423 Nelson 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,802 308 639,680 715,975 1,347,435 Fermie 11 6,343,886 186 216,101 462,077 1,295,545 Abbotsforth 5 572,807 113 102,873 675,223 1,140,475 Port Alberni 7 744,476 159 234,880 706,631 1,066,964 Prince 18 3,525,067	Raymond		3,123,510				
Vancouver 681 126,641,532 14,209 17,094,786 33,270,166 72,999,316 Victoria 146 21,187,224 2,401 2,841,296 2,745,427 9,169,961 New Westminster 64 13,469,545 1,621 1,800,024 5,255,235 9,003,952 Rossland 7 11,966,090 159 263,042 14,559 2,221,658 North Vancouver 17 4,905,470 445 671,868 1,005,743 2,208,423 Nelson 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,802 308 639,680 715,975 1,347,435 Fermie 11 6,333,886 186 216,101 402,077 1,295,545 Abbotsforth 5 572,807 113 102,873 675,223 1,140,475 Port Alberni 7 744,476 159 234,886 706,631 1,066,964 Prince Rupert 18 3,525,067 256 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		681	126.641.532	14.209	17 094 786	33, 270, 166	72 999 316
New Westminster. 64 13.449,545 1,621 1,800,024 5,255,235 9,003,952 Rossland. 7 11,966,090 159 263,042 14,559 2,221,658 North Vancouver 17 4,905,470 445 671,868 1,005,743 2,208,423 Nelson. 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,862 398 639,680 715,975 1,347,435 Fernie. 11 6,343,886 186 216,101 462,077 1,295,545 Abbotsfortl. 5 572,807 113 102,873 675,223 1,140,475 Port Alberni 7 744,476 159 234,886 706,631 1,066,964 Prince Rupert 18 3,525,067 256 383,934 594,235 1,031,431	Victoria.		21.187,224	2,401		2,745,427	
North Vancouver 17 4.905, 470 445 671,868 1,005,743 2,208,423 Nelson 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,862 308 639,080 715,975 1,337,435 Fernie 11 6,343,886 186 216,101 462,077 1,295,545 Abbotsford 5 572,807 113 102,873 675,223 1,140,475 Port Alberni 7 744,476 159 233,886 706,631 1,066,964 Prince Rupert 18 3,525,067 256 383,934 594,235 1,031,431	New Westminster					5, 255, 235	
Nelson. 23 2,143,561 278 367,026 572,765 1,361,402 Trail 16 10,751,862 398 639,680 715,975 1,347,435 Fernie 11 6,343,886 186 216,101 462,077 1,295,545 Abbotsfort 5 572,807 113 102,873 675,223 1,140,475 Port Alberni 7 744,476 159 234,886 706,631 1,066,964 Prince Rupert 18 3,525,067 256 383,934 594,235 1,031,431	Rossland						
Trail 16 10,751,802 398 639,080 715,975 1,347,435 Fernie. 11 6,343,886 186 216,101 462,077 1,295,545 Abbotsford. 5 572,807 113 102,873 675,223 1,140,475 Port Alberni. 7 744,476 159 234,880 706,631 1,066,964 Prince Rupert 18 3,525,067 256 383,934 594,235 1,031,431	North Vancouver						
Fernie. 1I 6.343.886 186 216.101 462.077 1,295.545 Abbotsfort. 5 572.807 113 102.873 675.223 1.40.475 Port Alberni 7 744.476 159 234.886 706.631 1.066.964 Prince Rupert 18 3,525.067 256 383.934 594.235 1,031.431	Trail						
Abbotsfort. 5 572, 807 113 102, 873 675, 223 1, 140, 475 Port Alberni 7 744, 476 159 234, 886 706, 631 1, 066, 964 Prince Rupert. 18 3, 525, 067 256 383, 934 594, 235 1, 031, 431	Fernie					462,077	
Prince Rupert	Abbotsford						1.140.475
Namimo. 23 1,229,873 230 272,534 317,003 1,003,882	Port Alberni						
71,000 11,000 11,000 11,000 11,000	Numitoo			230			
	· · · · · · · · · · · · · · · · · · ·	mr.)	1,200,010	200	w [w . 17-7-9	011,140	1.100.002

APPENDIX I.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1931.

MONTREAL.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	s	\$
Tohacco, cigars and cigarettes	35	36, 128, 658	6,099	5,622,816	15.804.523	57.064,19
Clothing, women's factory	208	9.338,449	7,678	7,212,533	16,699,210	28,824,813
Railway rolling stock	7	33.176.727	8.549	10,697,544	15,557,390	27.363.543
Slaughtering and meat packing	25	7,040,131	1.551	1,943,196	14,987,257	19.618,80
Breweries	6	19,509,507	1,507	1.997.240	4.647,796 8,909,787	18.088,59 16.115,53
Clothing, mens factory	100	7,894,885 28,378,357	3,321 5,167	3,306,657 6,708,463	5,756,620	15,736,79
Electrical apparatus Boots and shoes, leather	52	9,371,890	4,878	4,681,360	6,484,653	12,763,75
Printing and publishing	22	12,011,043	2,912	4,343,457	2.872.096	12,182,26
Biscuits, confectionery, cocoa, etc	42	10.463.102	3.158	2,658,031	5,456.674	11.674,26
Sheet metal products	20	11,387,632	2.115	2,304,236	4,669.456	9, 138, 00
Sheet metal products	3	3,745,493	450	692,386	7.014.209	8,983,70
Castabus and forgings	27	14,632,306		2.181.418	3,364,227 4,022,492	8,000,19 7,350,30
Cotton yarn and cloth. Furnishing goods, men's	51	12,359,403		1,795,023 1,876,197	4,053,901	7,028,47
Bread and other lakery products	126	6,349,185		2.343,567	2,970,016	6,947,19
Printing and bookbinding	184	6,584,521	2.310	1,104,807	2.149.653	6.740,38
Paints, pigments and varaishes	14	10,467,219	1.021	1.512.047	2,830,894	6,597,21
Hats and caps	58	2,334,735	1.687	1,677,932	2,955,974	5,704,45
Miscellaneous textiles, n.e.s	3	8,516,043	804	1,043,605	2.223.147	5,373,01
Fur goods	75	3.920.251	918	1,146,546	3, 112, 157	4,958,57
Coffee, tea and spices	9	2.624,841	360	489,795	3,337,137	4,912,01
Medicinal and pharmaceutical	37	5,032,825	758	974, 177	1,422,059	4,492,86
preparations	32	3,895,809	571	832, 447	857.876	4.488,78
Aerated waters.	6	10.720,632	1.392	1,784,292	1.562.745	4.456,09
Dyeing, cleaning and laundry work	51	5,578,576		2.128.545	426,278	4,267,17
Paper boxes and bags	15	4,967,609		1.039.536	1.624.982	3,483,09
Brass and copper products	18	6, 198, 373		1,523,998	1,107,749	3,129,07
Hosiery and knitted goods	21	2.413,186 5.264,390		768,497 1,121,820	983,865	2,756,36
Catton throad	31	3,446,204	504	473,679	1.008.868	2.707.92
Lithographing Cotton thread Hardware and tools Shiphuilding and repairs	16	5.664.223	674	826,762	994,025	2,667.93
Shipbuilding and repairs	3,	7.583.635		1,121,620	771,798	2,656.04
Planing mills Mattresses and springs	22	3,109,359		847.823	1,572,703	2,646,16
Mattresses and springs	8	3,060,497		793,085	1.341,713	2,579,90
r urnature	473	1.871.547		869,347 161,980	1,877,740	2, 449, 81
Linseed oil and oil cake	4	1,773,129		285,134	1.752.873	2,357,66
Glass products	11	3.697.733	656	786,952	703.475	2,024,98
Wire and wire goods	91	3.697.733 5.735.204	371	402,266	698, 221	1,989,67
Wire and wire goods	16	1,265.597	294	282,302	• G00,881	1.792.79
Soaps and washing compounds	16	1,831,400	278	428,773	867,749	1,647,83
Lead, tin and zine products	8	827,398	98	160.768	811.627 1.151.943	1.536,98
Butter and cheese	16	1,428,706		213, 133	888.519	1.430.70
Machinery	17	2,523,263		688,698	493,838	1,375,21
Precipus metal products	20	832,499		482,569	493.027	1,268,03
Engraving, stereotyping and elec-						
trotyping.	14	821,132		634,337	182,995	
Gloves and mitteas, leather	9	1,041,322		358,385	478,852 523,055	980, 19
Foods, miscellaneous	12	850,917		242,957 348,478	270,810	
Lasts, trees and shoe findings	19	796,754 503,020		360,452	401.242	896.4
Bron and steel products, n.e.s Distilleries.	5	1.315,081		115,848	418,701	830, 19
Cement products.	23	1.320,351		386,019		814.9
Cotton und wood waste	7	1.044,401	131	155,960	390,648	806.6
Leather tunneries	60	1.694,410		219.733	461,774	771.30
Cotton textiles, n.e.s.	12	R15,655	240	204.435		761,5
Leather tunneries Cotton textiles, n.e.s Stationery goods Fur dressing	5	832,028		187.895		748.71 717.53
Fur dresding	14	358, 644 578, 097		386.835 141.994		672.13
Chemical products, n.e.s	3.4	882,716		131,335		

¹ These figures are not available, and therefore the totals for Montreal do not include capital, employees or salaries and wages for the butter and cheese industry.

MONTREAL-Concluded.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	ş	\$	\$
Dunas made n a c	10	420, 004	201	040 520	996 994	040 504
Puper goods, n.e.s	16 12	430.904 255.816	201	246,539 163,995	226,904 284,106	649,524 567,810
Suusage and sausage casings	14	337.972	120	150, 122	334, 151	563,086
Flavouring extracts	7	833,936	83	87.112	358.473	561,679
Boxes, wooden	7 7	912.373	271	213,874	229,396	542, 172
Trunks and bags	3	1,047,432	205	183,540	257,844	515, 252
Trunks and bags Brooms, brushes and mops	17	293,662	269	171,578	198,013	496,766
Untriages, wagons and sieigns	25	437, 415 333, 750	135	179,977	84,212 165,745	344.588
Polishes and dressings. Statuary, art goods and church	8	333,130	65	78,600	165,745	323,703
supplies.	- 11	139,666	108	101,005	63,484	314,677
Supplies Belting, leather	5	683,052	88	127, 297	145,942	308, 114
Orled and waterproof clothing	9	241,235	88	94,732	158, 697	297, 119
Coke and gas products	5	499,893	45	69,568	58,808	296,274
Stone, monumental and ornament-	5	247 079	92	150 000	101 000	977 250
al Automobiles Adhesives: Inks Cooperage Automobile supplies Boot and shoe findings, leather	4	347.972 402,083	185	159,233 325,394	101,908 86,983	277,750 227,580
Adhesives	5	245 001		40,689	104.535	219,906
Inks	3	245,001 136,832	37 47	70,808	44,645	215.474
Cooperage	5	176.197	42	42,884	126,498	214,017 196,725
Automobile supplies	6	244.329	78	88,532	51.836	196,725
Boot and shoe findings, leather	4	220.555	67	57,794	85,805	173,413
Boot and shoe findings, leather Candles Candles Trade composition Foods, stock and poultry Awnings, tents and sails Boilers and engines Umbrellas Stamps and stencils Rlueprinting	4	207, 164 159, 533	41 62	49,881 86,880	52,341	169, 175 168, 236
Foods stock and poultry	4	329 749	22	21,907	14,770 112,138	164.811
Awnings, tents and sails	7	203,128 321,300 117,304	65	66,667	71, 429	161,001
Boilers and engines	3	321,300	39	63, 135	135,500	139,863
Umbrellas	3	117,304	30	32,445	77.947	139,445
Stamps and stencils	4	198,667	58	. 80,110	18.540	121,489
Blueprinting	3 8	55,874 58,121	18	23,697	20.714	86, 160
Miscellaneous wooden products	3	244,600	15	45,905 23,318	8,761	83,029 77,987
Miscellaneous non-ferrous metal		217,000	10	20,010		11,001
products	3	169,625	26	36,917	26.189	72,191
Scientific and professional equip-						
ment Harness and saddlery	4	32,495	19	17,766	22,009	61,043
Harness and saddlery	5	75,208	34	23,366	18,582	57,318
All other vegetable products ²	10	17,302,016 624,874	2,297	2,553,649	15,534,312 89,164	24,806,671
All other textile products ²	5	3,473,450	867	40,149 917,783	646, 798	303,559 2,059,167
All other wood and paper products	12	3.845.802	384	463,417	856,573	1,844,017
All other non-metallic products2	5	560,695 2,104,093	75	105.687	106,669	295, 124
All other chemeal products ²	3	2,104,093	61	84,510	106,669 258,784	618,051
All other miscellaneous products ² .	25	67,504.877	2,020	2,766,297	2,629,610	21,338,086
Tetal	1,992	469, 455, 443	91,327	102,368,420	194,793,369	438,237,287
		TORONTO).			
		1	1			
Slaughtering and meat packing	13	30,613,824	2,778	3,615,247	36,485,343	46, 112, 261
Electrical apparatus	74	24,051,737	4,801	5,948,755	12,920,924	27, 363, 136
Clothing, women's, factory	194	9,476,369	6,547	6,569,253	11,772.851	20,982,945
Biscuits, confectionery, cocoa,	49	21, 136, 464	4,296	4,576,928	7,207,788	18,928,254
Printing and publishing	31	16,900,281	3,787	6,825,896	4.921.681	18,356,012
Bread and other bakery products.	235	9.980.468	3, 171	3,815,773	4.565.169	12, 195, 838
Printing and bookbinding	224	13.189.947	3,764	5, 164, 448	3,891,521	11 02 007
Printing and bookbinding. Butter and cheese. Clothing, men's factory	12	13.189.947 7,772,775 7,889,900	1,786	2,469,944	5,635,618	11, 206, 178 10, 366, 197 9, 825, 849
Clothing, men's factory	36	7,889,900	3,524	3,810,163	5,564,368 3,834,503	10.366, 197
coaps and washing compounds	20 35	6,853,354 9,983,179	2 185	1,273,202	3,834,303	9,820,649
Hosiery and knitted goods	45	15, 129, 338	3,165 1,916	2,642,209 2,807,609	3,979,808 3,059,273	8,974,634 8,952,355
Machinery. Rubber goods, including footwear.	14	14,948,988	2,399	2.819.056	3,038,114	8,488,260
Coke and gas products	6	25,113,517	1,544	2,295,164	2,340,256	8,353,090
Petroleum products	3	7,602,969	290)		4,723,117	7,966,057
	1.1.1					

⁷ Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

TORONTO -continued.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Short metal products	38	9,559,511	2,015	2,317,817	3,377,387	7,634,26
andogs and bargings	48	12, 390, 195	1.960	2,517.529	2.488,529	7, 017, 29
offee, tea and spaces	13	4,956,442	559	890.276	4,366,382	6,570.23
Boxes and bags, paper	36	6,797,772	1,592	1,939,249 1,317,700	3.189.899	6,418,619
'aints, pigments and varnishes	23	6,209,485	812	1,317,700	2.350.520	6,010,85
For goods	89	4,150,608	968	1,315.686	3,644,830	5,713.30
Medicinal and pharmacoutical pre-	40	F 710 000	000	* 007 004	1 010 020	F 007 000
: trations	43	5,716,098 6,754,922	988 540	1,237,304 769,015	1,812,353 1,547,686	5,667,289 5,518,929
Description of the loweries of	56	6,647,568	2,776	2,715,358	548,823	5.486,90
tific and professional equip-	50	0,041,000	2,770	20,110,000	010,020	0.100,00
	8	12,386,705	769	1,017.464	1,885,815	5, 168, 67
Later mills. Hate and caps Four and feed mills. Later applying To let preparations. Later applying, stereotyping and elec-	39	6, 161, 722	1.085	1,335,304	2,220,720	4,313,56
Hats and caps	54	2,015,496	1,260	1,335,930	2,003,766	4,048,01
Flour and feed mills	6	1.729.543	165	217,442	2,895,770	3,594,88
at lographing.	17	4,211,212	826	1,299,674	1,657,291	3,520,49
l'ed et preparations	25	2, 261, 925	382	448, 253	1, 124, 044	3,508.48
lingraving, stereotyping and elec-						
tootyping		2,717.335 4,187.957	1,062	1,941,152	632,283	3,314,12
trotyping. Alamimum products	8	4, 187, 957		821,600	1,951,119	3,314,12 3,310,71 3,253,20
farmslung goods, men's	33	2,585,614	1,022	903,129	1,745,868	3, 253, 20
frenneal products, n.e.s	18	2, 109, 796 4, 493, 631	514 908	749.731	902,314 2,186,493	3, 184, 03
Carrishing goods, men's Chemical products, n.e.s Astronobiles Caper goods, n.e.s.	29			1,105,317		
Paper goods, n.e.s	15	2,895,418 2,412,052	756 606	925, 285 760, 533	1,067,158 1,998,178	3,146,64 3,062,35
Stationery goods	4	5,376,972	356	547,844	1,468,664	3.029.78
Palo and paper resture leads and shoes, leather	69	3, 038, 115	962	1 083 923	1.171.645	2,986,26
limits and shows leather	18	1.314.589	1.007	1,055,220 817,772	1,239,546	2,652,94
Strigebuilding	4	2,088,619	509	817.772	1.250.485	2,594.31
Paragebuilding	15	1,877,486	276	303,818	1,609,082	2,529,08
larses and conner products	41	4,938,250	855	1,089,944	832,278	2,353,36
evelry and silverware	40	3, 565, 492	816	1,061,290	913,905	2,350.72
legiers, tanks and engines	6	3,420.749		633, 529	902, 458	2,317,47
Fruit and vegetable preparations.	22	2,673,923	421	511,078	1,193,281	2, 236, 40
Woollen cloth	4	2,230,721	502	518,904	1,301,416	2,180,91
Mattresses and springs	22	1,333,968	506	599.722	1,108,306	2,106.11.
and, tin and zine products	6	2,889.071	318	385, 813	1, 180, 206	2,075,46
lais, printing and writing	14	2,093,819	300 329	608, 227 486, 525	676,800 475,461	2,005,34
Are ated waters Astomobile parts and accessories.	14	2, 137, 350 2, 235, 441	489	565,092	575 700	1,911,33 1,705,11
Corrols	12	1,532,355	493	479,456	575, 709 748, 808	1,691,57
Corsets		2,002,000	400	175, 100	*10,000	1,001,00
	22	1,709,954	338	574,935	366,366	1,571,870
iron and steel products, n.e.s	17	1,581,720	701	781.434	454.868	1,492,00
Hardware and tools	22	2,544,976		677,240	470.553	1,478.30
	9	1,510,761	434	369,736	921,875	1,417.09
at her goods, n.e.s	19	784,480 1,766,217	465	456, 452	634, 858	1,364,20
resacco, cigars and cigarettes. Leather goods, n.e.s. Leather tanneries. Testiles, n.e.s. Feach and lime. Feach, cotton and jute. Feach and pens. A resultant implements.	5	1,766,217	335	395,312 203,536	740,679	1,356.23
Lexitles, n.e.s	3	1,983.604	216 204	203,536	713.671	1,318,07
Frack and lime	5 5	1,276,494	199	275, 272 189, 735	262,986 864,612	1,292,46 1,262,72
logs, cotton ann jule	3	137,392 738,488	212	230, 281	434, 375	1, 148, 53
residan pens A recultural implements. Trees, wooden dass products dat on textiles, n.e. 8	3	33, 158, 613		1,120,662	402.916	1,670,62
The worden	8	1,617.821	328	286, 113	504, 171	990, 14
7 ss products	21	1,169,180	389	468,867	378,304	968, 13
atton textiles, n.e.s.	13	653,376	222	200.179	535,990	966,42
ans, electric	5	574, 805		255, 180	143, 613,	947.00
woods, stock and poultry	6	947,776	88	125,212	525,977	861,01
Masical instruments	11	1,605,147	273	295, 239	361,114	832,36
d ical instruments. Grees, compressed. Green, compressed.	9	2,501,192 523,209	173	287,793	99,026	781,91
offen and wool waste	5	523, 209	112	96, 486	565,757	761.45
a vouring extracts	12	480, 260	124	160,294	352,596	704,12
rooms, brushes and mops	12	774,477	192	201,082	251,854	682,26
SASTIES THE DESSENSE	15	614,270	109	171.252	273,315	680,24
A.r. and wire goods	11	655,897	151	180,741	364,406	675,75
Achesives	18	1,007,069	130 226	171,334	361.354	661,97
Wascellaneous wood-using industries	18	1.578,939 414,458	248	255,584 273,416	258, 185, 105, 847	617, 71 577, 01
for dressing	11	541.393	208	180,226	209, 101	
Statuary and art goods	14	704.885		197, 665	218, 749	561,45 554,87
	1.7	1111.000	68	90,590	13, 884,	17:17 , 19 (

TORONTO-concluded.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	s	No.	\$	\$	8
Woollen goods, n.e.s	7	487,305	114	118.232	284, 220	540,717
Typewriter supplies	3	543.475	80	160.372	206,835	533.305
Harness and saddlery	5	772.382 712.792	184	184,033	218,481	452,030
Sporting goods	5	621, 408	108	149,967	183,849 182,093	443.170
Clothing, oiled and waterproof	A A	477.094	131	157,022 131,482	239.313	428, 601 424, 424
Wines	11	1.090.388	74	88.671	114,176	
Flooring, hardwood	3	443.725	103	132.983	217.962	414.320
Sausages and sausage casings	9	273.189	50	55,923	218, 101	373.348
Miscellaneous non-ferrous metal						
products	9	458.790	109	151,804	59.717	337,010
Trade composition	12	333.111	117	210,727	22,624	324,250
Novelties	11	260.836	122	99,800	147,840	304.775
Trunks and bags, leather	4 7	546, 124 903, 358	107	134, 275	85.750	277.414
Clay products	3	372.406	103	121,669 87,566	117.743	232.795
Gloves and mittens, leather	7	164, 193	77	75,328	71.961	209, 150 200, 360
Strongs and stencils	8	134.735	80	106.850	19,605	180.325
L'mbrellas	3	150.201	51	50.733	162.545	174 . 142
Awnings, tents and sails	7	142, 109	61	71.795	69,570	173.734
Belting, leather	3	268, 863	24	25.872	91.824	161.311
Blueprinting	3	108,620	38	47.830	59,477	137.301
Boot and shoe findings	3	42.323	31	29,864	99,830	137.033
Artificial flowers and feathers	3}	148, 207	58)	37.599	43,168	111, 140
Regalia and society emblems	5	112.135	47	50.490	37,884	105, 404
Motion pictures	3	161.048	38	49,869	43,405	93.547
Jewelry cases and silverware cab-		100.00	0.0	DO 500	20.617	
inets	3	120,907	39	39.539	39,847	90.330
Hair goods, animal	3 5	172.882 56.835	25 18	24, 192 15, 887	41,773	86.913
Asbestos products	3	39,708	18	15,887	18,685 6,656	40.048
Wood turning	3	51,723	12	8.794	6,586	17, 271
All other vegetable products'	8	7.466.258	240	330.872	1.289.530	2,472,770
All other animal products1	4	67, 679	16	17.714	33.853	59.346
All other textile products!	6	4,256,370	746	773 500	1.041.108	2,631,209
All other wood and paper products1	12	2,615,376	4.40	522,538	835, 368	2.014.200
All other iron and steel products!	4	1,106,966	192	280,352	325, 232	736,888
All other chemical products)	5	1.757.143	68	99,606	626, 614	826.528
All other miscellaneous products ¹	13	50,048,258	4.078	7,496,210	296, 942	12,876,518
Total	2,443	518,626,003	91,195	115,043,020	195, 476, 790	426,583,692

HAMILTON.

Electrical apparatus	8	23,029,142	4.093	4,895,020	4, 836, 667	16,697,109
Rolled iron and steel	7	4.816.398	1,701	2,988,252	857.950	9.075.301
Hosiery and knitted goods	6).	9,784,127	3.248	2,662,805		
	0				4,206,991	8,647,369
Tobacco, cigars and cigarettes	- 0	4.391,553	475	520.128	1,429,331	7,448,198
Cuke aml gas products	4	14,264,395	326	534, 910	3.647,807	6,880.180
Wire and wire goods	11	10.255,465	1,394	1,542,062	1,081,525	5,041.145
Railway rolling stock	4	7,927,546	540	898,835	3.489.871	5.033.837
Machinery.	11	7,020,772	742	946.700	944.261	4.593.262
Electric power	4	17,914,053	356	609,760		4,134,128
Cotton yarn and cloth	5	7,922,814	1.623	1,366,255	1.707.580	3,924,735
Sheet metal products	10	2.247.562	546	588, 233	1.039,900	2,668,836
Soaps and washing compounds	5	2.924.501	201	269,781	2,125,635	2,662,412
Bread and other bakery products.	52	1.837,046	704	824, 691	1.077,747	2,476,438
Glass products	3	2,621,687	567	705,874	724,278	2.058.807
Fruit and vegetable preparations.	5	2.077.070	303	231.836	1,405,897	1,997,360
Miscellaneous foods	3	1,559,392	90	120.687	1.184.186	1.558.786
Paper goods, n.e.s	4	1,649,665	218	328, 293	694.015	1.483.386
Castings and forgings	12	2,129,257	408	520.624	572,980	1.444.583
Job printing and bookbinding	38	1.307.951	350	493, 104	430.414	1,246,182
Creameries	3	918,889	236	347.691	448.305	1.076.619
Men's factory clothing	4	1.116.959	347	418.478	475,655	1.027.640
are in a time tory covering		***************************************	0111	210, 2701	110,0001	1,027,040

^{*}Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

HAMILTON-concluded.

Hardware and tools	Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
Coffee, ten and spices Dyeing, cleaning and laundry work 18 803, 424 348 324, 989 60, 190 Brass and copper products 7 594, 301 147 141, 450 175, 300 6 758, 813 123 234, 874 197, 991 5 188, 813 123 234, 874 197, 991 5 188, 813 123 234, 874 197, 991 5 188, 813 120, 487 186, 894 425, 937 100 120, 494 186, 894 425, 937 100 120, 494 186, 894 421, 613 33 43, 421 43, 433 43, 433 43, 433 43, 433 43, 433 43, 433 43, 433 43, 433 43, 433 43, 433 43, 433 44, 45, 45, 45, 45, 45, 45, 45, 45, 45,		No.	\$	No.	s	\$	\$
Coffee, tea and spices Dyeing, cleaning and laundry work By and byeing, cleaning and laundry work By and byeing, cleaning and laundry work Brooms, brushes and mops 7 594.301 147 141,450 175.300 66 Brass and copper products 7 1,121,927 218 229,779 188,118 55 Brass and copper products 8 936.066 146 184.088 273,011 55 Biseuits, confectionery, cocoa and clocolate Confectionery, cocoa and clocolate Compared to the c	Hardware and tools	10	2 099 918	262	308 171	285.269	854.57
18						540.294	825.19
3700ms, brushes and mops 7 594, 301 147 141, 450 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 60 175, 300 775, 300							661.42
1, 121, 927 218 229, 779 188, 118 56							647,690
Monumental and ornamental stone 6		7				188, 118	590.49
Staning mills Signature Staning mills						197.991	586,08
Sissuits, confectionery, cocos and chocolate Sissuits, colored Sissuits, color							527, 10
chosolnte 8		-	000,000	2.70	101,000		
Clay products 6 342, 313 173 250, 164 4 4 ewelry and silverware 4 529, 933 155 216, 434 136, 894 4 4 29 688 14 136, 94 148, 750 4 15 29 148, 750 14 18, 750 14, 750 14 18, 750 14, 75		8	425 937	100	120 494	186.894	475.94
ewielry and silverware. 4 529,933 155 216,434 136,894 44 2 aper boxes and larges 7 449,533 142 136,914 148,750 44 2 aper boxes and larges 7 419,533 142 136,914 148,750 44 2 411,613 33 43,421 148,131 33 43,421 148,131 33,332,78 56 89,061 77,350 33 2 6 aper goods 8 255,474 43 51,060 99,839 22 2 6 aper goods 9 255,474 43 51,060 99,839 22 2 6 aper goods 9 255,474 43 51,060 99,839 22 2 6 aper goods 9 255,474 43 51,060 99,839 22 2 7 aper goods 9 2 aper goods						-	436, 27
Paper boxes and bags. 7 419, 533 142 136, 914 148, 750 4 Chemical products and ease of the ror and steel products and steel pro		A				136.894	420.11
Chemical products, n.e.s. 4 241, 613 33 43, 421 148, 131 34 Men's furnishing goods. 3 388, 149 158 113, 261 162, 796 3 3 4 4 4 5 20 8 7 3 5 6 8 9, 661 77, 350 3 7 4 5 8 9, 661 77, 350 3 7 4 5 8 9, 661 77, 350 3 7 4 8 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 9 8 9 9 7 8 9 7 9 9 7 9 9 7 9 9 7 9 9 9 9		7					418.67
Men's furnishing goods 3 358, 149 158 113, 261 162, 796 3 339, 278 56 89, 061 77, 350 33 339, 278 56 89, 061 77, 350 33 339, 278 35 89, 061 77, 350 33 339, 278 35 89, 061 77, 350 33 339, 278 35 48, 361 69, 379 30 30 30 30 30 30 30 3		A					374.87
Second S							343.51
Fur goods							307.22
Vines 4 520.873 57 45.864 64.311 2 2 e.g. artificial 3 319.426 35 48.832 6.712 2 2 flats and cups 4 120.082 40 42.897 94.321 1 7 2 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2							289.91
ce, artificial							254.55
Ints and cups. 4 120,082 40 42,897 94,321 17 olishes and dressings 6 585,071 27 32,208 79,003 in formiture 10 408,816 62 79,440 38,238 in formity 6 408,310 and 6 40,731 21,265 and 6 40,7							224.10
Solishes and dressings	fet, and annu						172.81
10							169.98
135,888 53 107,241 13,252 10 10 10 10 10 10 10 1							160.56
trotyping 4 135,888 53 107,241 13,252 1 170 and steel products, n.e.s. 5 64,392 22 21,548 21,087 22 21,548 21,087 22 21,548 21,087 22 21,548 21,087 21,245 21		10	400,010	0.0	10,110	00,200	200,00
roa and steel products, n.e.s. 5 2			125 999	53	107 241	13 252	155.68
2							65.30
All other non-ferrous metal products 18 18 18 18 18 18 18 1							62.31
Auto parts							56.38
2							55.12
Frace composition. 3 116.840 15 26.041 864 Miscellaneous wood-using industries 4 22.361 19 19.644 7.899 Miscellaneous non-ferrous metal products. 4 74.617 11 15.504 28.677 Zanoes 3 13.435 4 2.573 917 All other vegetable products ⁴ . 8 7.362.629 752 895.021 1.885.619 5.1 All other animal products ⁴ . 10 3.533.76 383 441.371 1.333.872 2.2 All other wood and paper products ⁵ 10 3.533.76 383 441.371 1.333.872 2.2 All other wood and paper products ⁵ 18 4.828.351 893 1.281.406 1.499.419 4.3 All other non-ferrous metal products ⁵ 6 48.174.938 2.566 2.978.301 5.981.854 7.7 All other non-metallic mineral products ⁵ 6 1.641.297 327 437.010 330.846 1.1 All other chemical products ³ 7 2.488.823 153 214.852 447.530 1.2							44.85
See claneous wood-using industries 4 22 361 19 19 644 7,899							43.50
discellaneous non-ferrous metal products 4		4					39.50
1.5,641 28,677 27,273 27,274 28,677		2	aw,001	17	,	11000	
3 3.435 4 2.573 917 10 ther vegetable products 8 7.362.629 752 895.021 1.885.619 5.1 11 other animal products 9 974.581 259 348.814 1.892.244 2.4 11 other textile products 10 3.533.176 383 441.371 1.333.872 2.2 12 other wood and paper products 6 4.8174.938 2.566 2.978.301 5.961.854 7.7 13 other non-ferrous metal products 3 252.885 54 62.917 137.370 2.2 13 other non-metallic mineral products 6 1.641.297 327 437.010 330.846 1.1 13 other non-metallic mineral products 7 2.488.823 153 214.852 447.530 1.2 14 other chemical products 7 2.488.823 153 214.852 447.530 1.2 15 other non-metallic mineral products 7 2.488.823 153 214.852 447.530 1.2		4	74 617	11	15 504	28.677	38.63
1.885,619 5.1		3					6.95
974,581 259 348,814 1,892,244 2,4	Il other vegetable products!						5, 112, 43
10 3.533, 176 383 441, 371 1.333, 872 2.2 12 13 13 149, 419 4.3 13 14 149, 419 4.3 14 15 16 174, 338 2.586 2.978, 301 15 16 17, 338 2.586 2.978, 301 16 17, 338 2.586 2.978, 301 17 18 18 174, 338 2.586 2.978, 301 18 18 174, 338 2.586 2.978, 301 19 19 19 19 19 10 18 19 19 19 10 18 19 19 11 18 19 19 12 18 18 18 13 18 18 18 14 13 18 1.48, 351 383 441, 371 1.333, 872 2.2 18 1.281, 406 1.481, 407 1.481, 407 19 19 19 19 10 19 19 19 10 19 19 19 11 19 19 12 19 19 13 19 19 14 19 19 15 19 19 16 19 19 17 19 19 18 19 19 19 19 19 19 19						1.892.244	2,458.58
18 4.828,351 893 1.281,406 1,489,419 4.3							2, 282, 63
Milother iron and steel products 6 48.174,938 2.586 2.978,301 5.961,854 7.7							4.387.47
10 ther non-ferrous metal products 3 252,885 54 62,917 137,370 2 2 2 2 2 2 2 2 2							7,709.6
ducts 3 252,885 54 62,917 137,370 2 2 2 3 3 3 3 3 3 3					-101010-0		
Mother non-metallic mineral products 6 1.641.297 327 437.010 330.846 1.1 1.1 1.1 1.5 1.2 1.5 1.		3	252.885	54	62.917	137,370	243.5
ducts ¹ 6 1.641,297 327 437,010 330.846 1.1 All other chemical products ¹ 7 2.488,821 153 214,852 447,530 1.2	Il other non-metallic mineral pro-		202,000		,51011		
All other chemical products! 7 2,488,623 153 214.852 447.530 1,2		6	1.641.297	327	437,010	330,848	1,121,48
The state of the s							1,258,9
	Il other miscellaneous products1	4	160.548		55.177	24,949	104,33
		450					125,164,6

31	22	w	4		4		π.	Ira	13	G.	
ч	V	1		'n	0	b	ä	T.	\mathbb{F}_2	₩.	

Slaughtering and mest tacking	4	2,610,459	690	838, 486	5,721,729	7,108,612
Central electric stations	5	53.090.999	960	1.602.235	***	6,606,282
Printing and publishing.	21	3,668,784	1.003	1.799.878	741,358	4,311.843
Printing and bookbinding.	69	5,088,501	1,219	1.654.000	1,465,375	4,029,551
Butter and cheese.	12	3, 332, 813	582	949.750	1.625,563	3,324,443
Bread and other bakery products.	57	2.633.839	771	867.208:	1.300.898	2,834,921
Bags, cotton and jute	6	1,998,080	229	276, 265	2.062.397	2,723,128
Coffee, tea and spices	- 8	1,606,502	159 -	197.295	1.711,488	2,430,769
Clothing, factory, women's	23	887.994	632	551.539	1.276.720	2, 103, 119
Furnishing goods, men's	15	1.641.075	763	560.984	1.086.433	1,963,224
Breweries	5	4,377,419	387	638, 204	626, 935	1,695,702
Dyeing, cleaning and laundry work	17	1.723.183	842	827.047	180.140	1.648.059
Flour and feed mills	4	2.065.020	205	209.045	1.218.304	1,620,318
Biscuits, confectionery, cocoa and		-100010-0				
chocdate	18	1.851.919	452	458, 142	803.719	1,539,871
Coke and gas products	3	5.504.387	183	232.349	473.558	1,179,510
Fur goods	16	592,315	253	255,653	558,377	972,679
a di Bootto		-2-10-01	1000			

Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

WINNIPEG-concluded.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	3.7					
Medicinal and pharmaceutical	No.	\$	No.	\$	\$	\$
preparations	9	1,399,897	146	175.751	332,059	923,173
Mattresses and springs	4	1.020.912	261	312,331	407.076 391.704	881,204
preparations. Mattresses and springs. Boxes and bags, paper. Soaps and washing compounds.	7	1,147,768	221	240,501	391.704	881,204 825,747
Planing mills	5 5	1,104,087 1,406,810	116 210	152,417 255,255	352.874	792,798
Sheet metal products.	10	1,552,439	264	358,480	434.763 303,269	677 698
Soaps and washing compounds. Planing mills. Sheet metal products. Machinery. Aerated waters. Stationery goods. Brass and copper products. Paints, pigments, varnishes, etc.	6	890,917	107	154.767	87,080	771, 126 677, 698 604, 716
Aerated waters	7	455.814	90	117.587	131.919	555,940
Stationery goods	5	595,722	124	153.948	204,357	494, 494
Paints, pigments, varnishes, etc	3	288,320 856,293	55 141	76,708 156,231	287,311 266,206	487, 582 456, 149
Engraving, stereotyping and elec-	Ů	100.200		100, 201	200,200	100,113
trotyping Electrical apparatus	5	256,562	155	309,804	42,318	428,344
Castings and forgings	7	502,179	106	120, 135	165,811	414,447
Castings and forgings Clothing, factory, men's	4 7	2,526,303 162,671	252 140	315,859 106,480	139,665	380,376 363,459
A UZIII CUI C	19	208, 188	116	108, 641	227, 994 90, 227 137, 868 147, 699	338, 137
Fruit and vegetable preparations.	4	512, 115	82	81,141	137,868	334,793 313,708
Gloves and mittens, leather	3	264,467	126	82,208	147,699	
Hats and caps. Hosiery and knitted goods	8	166, 331 321, 183	110 113	72,811 91,325	149.729 161,342	300,462 298,143
Sausage and sausage casings	6	115,889	35	51,681	186,936	287,917
Agricultural implements	3	862, 123	61	81,860	104, 195	249,924
	7	226,574	49	63,209	125,457	227,844
fron und steel products, n.e.s	3	164,300	68	109,983	42,959	191,893
Glass products	3 4	321,593 698,015	29 69	39,707 59,702	164.084 53,509	186.213 185,514
Petroleum products. Glass products Boxes, wooden. Stone, monumental and orna-	5	210, 679	95	68,874	65.234	182.783
Stone, monumental and orna-						
mental Harness and saddlery Awnings, tents and sails	7	197,704	59	78,483 43,713 20,856	56, 896	151.947
Awnings, tents and sails	4	248,218 67,250 52,316	46	93,713	106,824 34,005	150,243 69,031
	3	52,316	36	42,412	14,517	64, 209
Stamps and stencils Trunks and bags, leather	3	32,845	12	13,539	3,516	30,454
Trunks and Dags, leather	4	58,447	15	9.123	10, 123	26.995
Sand-lime brick	3	257, 161	10	7.257	5,985	17,457
nient	4	7.570	12	8,298	4,817	14,899
Sporting goods	3	6,577	4	2.240	2.686	5, 105
All other vegetable products!	8	2,884.783	102	149,874	922,590	1,581,551
All other animal products ¹	17	103,954	36 317	30, 272 432, 336	22,575 363,591	110.233
All other iron and steel products!	10	12,054,621	4,035	5, 277, 710	4,012,584	10.901.343
All other non-ferrous metal pro-		,,	-,000		-1012,001	20,002,070
All other non-metallic mineral pro-	3	100,501	19	25,958	73,971	115,483
duets!	3	260 400	39	41 914	90.875	208,869
All other chemical products ¹	6	369,400 305,378	63	41,214 86,207	86,818	332,711
All other miscellaneous products!	15	700,645	198	187.918	136,590	563, 425
Total	7.40	100 010 000	47 000	00 000 040	00 007 000	PR 200 044
Total	543	129,849,693	17,693	22,292,946	32,005,602	73,723,211
		VANCOUVE	R.			
Central electric stations	3	46,680,025	564	979.982		6,240.871
Sawmills	25	6,638,886	1,848	1,775,576	3,213,409	5,650,380
Slaughtering and most nacking	10	4,607,311	557	687,339	4,444,943	5.553,451
Printing and publishing.	11	2,907,897	817	1,435.088	790,709	3.880.210
Coffee, tea and spices	6 99	1,296,884 2,162,646	140 817	156,509 828,969	1,877,772	3.742.883 3.038.455
Sheet metal products	19	8.731.919	510	652.849	1,645,407	2.973.227
Butter and cheese	7	315,787	121	182,508	1,080,083	1,979,051
Fruit and vegetable preparations.	9	1,725,124	309	182,508 317,856	1,271,733	1,810,116
Biscuits, confectionery, cocoa and	20	1 95" 00#	440		760 070	1 702 610
chocolate	30	1.357,865	448	441,244	768,273	1.793,618

¹ Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

VANCOUVER-concluded.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
harden brooks	No.	8	No.	- 5		\$
Dyeing, cleaning and laundry work	26	1,531,458	969	895,560	128,966	1,596,125
Castings and forgings	16	2.539.004	482	714,738 679,018	517.924	1,430,616
Printing and bookbinding	53	1,477,670 1,515,749	493	679,018	432,449	1.383,985
Furniture	29	1,515,749	539	455.413	482,706	1,199,817
Distilleries	3	2.184.819	104	141,499	322,664	870.093
Distilleries Boxes and bags, paper Wire and wire goods		719,226	147	192,652	388.912	847.506
Wire and wire goods	6	1, 154, 137	99 271	143.181	436, 178 291, 578	741,764 734,925
Planing hills	20	880, 828 233, 187	217	322,783 167,808	459.866	694, 106
Planing mills Fish curing and packing. Electrical apparatus. Clothing, factory, women's.	7	406,613	118	186, 236	138,895	612,934
Clothing, factory, women's.	11	187,138	186	174,241	340.062	589.325
Furnishing goods, men's	В	218,746	160	123, 233	334,855	560,877
Rice mills	3	291,746	23	41,585	377,087	545,642
Shipbuilding	7	783, 182	235	225, 108	144.709	473,499
Boxes, wooden	5	464.619	222	189,033	201,315	473, 184
Paints, pigments and varnishes	6	491.537	64	103, 245	255,288	415,569
Lithographing	3	413,574	93 78	141, 197	129.753	370,965 346,763
Miscellaneous wood products	6 7	310,579 321,015	118	103.865 110,160	161,473 197,543	313,230
Boots and shoes, leather Engraving, stereotyping and elec-		021.010	110	110, 100	101,010	0.0,000
trotyning	8	218.787	93	172,576	42,753	294.215
trotyping	4	186, 409		55,370	195, 256	285,368
FOOGS, Hilscellaneous.,	8	119, 287	39	39,722	142,727	283,488
Boilers and engines	6	662,954	92	142,540	94, 227	270,80
Hardware and tools	5	395.172	79	107,149	118,656	260, 200
Aerated waters.	6	227,673	55	76,009	72,585	257,388
Stone, monumental and ornament-	7	146,664	55	104.831	78,817	246,862
alAuto parta,	8	251,322	81	105, 182	111,382	242, 143
Ice, artificial	5	1.070,177	63	93, 426	5,808	212.852
Censent products	8	217,927	57	72,259	81,179	211,469
Cement products	5	365,629	58	58.080	106,885	196,547
Machinery	8	294,477	76	110.298	63,397	192,680
Brooms, brushes and mons	6	234,308	87	86,713	76,740	181.329
Coffins and caskets	4	172,657	43	46,878	53,029	166,820 157,600
Precious metal products	4 5	54,921 109,513	52 43	82,167 60,459	53,553 29,075	120.488
Brass and copper products	3	128,000		52.001	29, 127	117.047
Primary iron and steel	3	414.595		42.883	43,091	102,068
Automobiles	6	243,001	57	59.361	31,797	94, 190
Boat building Foods, stock and poultry Foods, stock and poultry Foods	3	84,606		16.962	51,362	90,818
Macaroni and kindred products	4	173,935		19,374	48,670	86,502
Medicinal and pharmaceutical						00.004
preparations. For goods. Glass products	3	46,620		60,263 29,787	21,136 37,420	82,938 65,976
Class manufacture	3 7	80,536 94,441		30,575	21,056	65,18
Tobacco, cigars and cigarettes	6	31.329	28	22,980	18, 173	59, 200
Iron and steel products, n.e.s	3	37,246	28	36, 122	14,337	59,200 42,78
Inks	3	27,524		12,561	14,250	32,550
Inks. Clay products	4	35, 233	14	10,076	-	31,710
Stamps and stencils	3	48,431		24,503	5.383	30.62
Blueprinting	4	16,941	14	11,486	7,233	29,632 22,549
Ice cream cones	3	13.090		5,416	7,672 729	9,79
Hats and caps	3	5,613	5	5,800	120	0,100
Statuary, art goods and church supplies	3	5,486	6	4,100	1.584	7,359
All other vegetable products1	5	11,066,471	529	755,061	5,816,864	9,537,308
All other animal products !	9	340,769	93	89,514	157,042	321,494
All other textile products!	11	1,276,554	325	303,838	887,890	1,388,210
All other wood and paper products1	15	1,087,695	173	212,780	447,075	870,802
wit origin a continuo baber bronness.		0.010.211	311	417.987	334,678	1,660,953
All other non-metallic mineral pro-						
All other non-metallic mineral pro- ducts	5	9,043,711				
All other non-metallic mineral pro- ducts ¹	13	724.247	97	127,298	308,907	712, 132
All other non-metallic mineral pro- ducts			97 499			712, 132 3,094,062 72,999,310

 $^{^{\}dagger}$ Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

APPENDIX II.

Alphabetical List of the Products Reported as having been Manufactured in Canada during 1931.

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of these products in a new and much more Heretofore, in presenting statistics of manufacturing production. the whole production of an establishment has been taken as a unit. This has not only prevented the presentation of production figures for specific products in detail, but has involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in mother establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 24,000 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and furthermore the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of the iron and steel group. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by the manufacturer, would have been included in the values of commodities appearing on the list. However, the products not specified total only about 1/3 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 5.8 per cent. With the exception of this group, therefore, the incompleteness of the figures on this account is insignificant.

An analysis of the value of the products of Canadian manufactures, similar to this, was made for the first time from the 1927 returns. In the course of further administrative experience it is hoped that it will be possible to reduce considerably the proportion of the products not specified.

The sum of the values of the commodities as listed here is \$2,698,461,862, which is the gross value of manufacturing production for the year. There is thus no duplication in the listing of products, nor do any of the items include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

Item.	Unit of Measure.	Quantity.	Value.
			\$
Abrasive cloth and abrasive paper			220,000 347,345
Absorbent cotton. Absorbent cotton. Acid, nectic 28%, 80% and 994%. Acid, hydrochloric (muriatic) 20°. Acid, hydrofluosilicie.	lb.	331,748	183, 183
Acetylene	cu.ft.	42,324,089	924,621
Acid, acetic 28%, 80% and 991%		-	
Acid, hydrochloric (muriatic) 20"	_	-	
Acid, lactic			
Acid nitre	_		
Acid, nitric Acid, phosphoric Acid, sulphuric Advertising Advertising novelties (see Novelties).	20-107	0.0	
Acid, sulphuric	lb.	183,943,982	1,019,063
Advertising	-	-	39,827,798
Advertising novelties (see Novelties), Aeroplanes and hydroplanes	No.	82	007 700
	1/101	82	827,792 190,417
Agricultural tuplements, not elsewhere specified		- 00	207, 647
Agricultural implement parts			723,232
Alcohol, denatured	pr. gal.	2,092.610	1,033,895
Aeropiane purts nnd supplies. Agricultural implements, not elsewhere specified. Agricultural implement purts Alcohol, denatured. Alcohol, non-potable.	44	1,404,081	518,374
Almond paste. Almond paste. Almonds, ground. Alumina, fused. Aluminain products, not specified. Ammonia, anhydrous. Ammonia, aqua.	1b.	99,299	33,977
Alumina funed	ton	15,371 35,781	6,989 3,007,307
Aluminium products not specified	OUL	00,101	3,001,007
Ammonia, anhydrous	_	100	
Ammonia, aqua	desa	-	
Ammonia liquor	1b.	2,268,221	29,058
Anamonia powder		3,424,098	160,930
Anninonia powder Anninonia powder Anninonia phosphate Anninonia sulphate	lb.	43,738,828	608,922
Amounition	10.	20,100,020	2.358.140
Anti freeze	gal.	118.560	168,488
Apple butter	lb.	196,045	18, 188
Apple lutter. Apple chop and waste. Apples, evaporated. Aprons, fabric. Aprons, leather and rubber.	44	589,634	6,807
Apples, evaporated	dos.	1,716,318	117,527
Appone leather and rubber	dos.	49,641	221,268 79,743
Arm bands Art needlework	dos. prs.	8,597	12,653
Art needlework		-	53,548
Art work Asbestos products, not elsewhere specified Asphuit Asphuit products, premouided Asphalt emulsion.	_	-	385,707
Asbestos products, not cisewhere specined	Imp. gal.	37,940,909	70,301
Appliant products premoulded	mp. ga.	37,840,908	1,836,627 74,852
Asphait emulsion		-	8 8
Aspialt plants	-	-	
Aspirit plants Augers and bits Automobiles, commercial— Under I ton rapacity, I to 1 ton capacity, inclusive 1 to 2 tans, inclusive.	-	-	*
Automobiles, commercial—	No.	4 500	1 000 000
1 to 1 ton connector inclusive	NO.	4,599 11,545	1,996,081 6,325,665
14 to 24 tons, inclusive.	16	904	1,067.277
45 LO UNUCI J CORS		296	654.368
5 tons and over	66	50	208, 108
Automobiles, passenger— Closed, 2 to 3 passengers	No.	10.034	0 070 040
Closed, 4 to 5 passengers	44	46.245	6,270,942 31,514,829
(Name of 7 magnetic property)	44	288	645,388
(1)pen, 2 to 3 passengers. (1)pen, 4 to 5 passengers. (1)pen, 7 passengers. (2)pen, 7 passengers. Hussus, ambulances, etc. Automobile badies, not specified.	44	4.287	2,062.420
Open, 4 to 5 passengers	46	3,779	1,803,152
Open, 7 passengers	44	7	19,065
Automobile leading not appealfied		290	245,659 2,662,541
		-	427,686
Automobile chassis. Automobile parts and accessories, not specified. Automobile cloths. Awnings and verandah curtains.	No.	443	322,027
Automobile parts and accessories, not specified	_	-	8,559.776
Automobile cloths	yd,	268,841	395,458
Awnings and verandah curtains	No.	261 504	455,840
Axes. Axles, automobile.		261,564	231,894 857,468
Axle shafts. Babbitt metal. Badges, rosettes, buttons, etc.	_	-	001,900
Babbitt metal	łb.	2,011,315	432,506
Badges, rosettes, buttons, etc	-	-	34,001
		47 450 500	0 404 404
Cotton bags. Jute bags Fabric bags, not specified.	No.	47, 458, 559 47, 736, 812	3,454,439 4,505,900
		74. 600 812	m. OHA MURI

Norr.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item,	Unit of Measure.	Quantity.	Value.
Bags, leather and imitation leather-			5
Club bags and suit cases	No.	248,517	1,071,820
Hand bags	- to	649,917	1,092,900
Hund bags. Hat boxes Shopping bags. School bags	46	21,320	89,384
Shopping bags	66	31,263	49,820
Bags, paper—		57,759	29,539
Glassine and cellonhane hage			153,367
Millinery bags		-	42.365
Self-opening bags		-	1,237,313
Paper bags, not specified	_	-	42,365 1,237,313 1,793,011
Bags, paper— Gilassine and cellophane bags Millinery bags. Self-opening bags Paper bags, not specified. Bags, rubber and rubberized. Bags, other, not specified, including repaired bags. Bakelite products. Bale ties: quantity made. quantity sold. Balloons. Balls, golf.		-	58,607
Bakelite products		400	81,157
Bale ties: quantity made	Ib.	7,096,511	
quantity sold	44	7,166.350	281,327
Balloons		-	
Balls, golf	doz.	79,848	341,543
Balls, golf, centres for			*
Balls, golf, thread	-	-	BOC 470
Balls, golf. Balls, golf, centres for. Balls, golf, thread. Balls, not specified. Barley, pot and pearl. Barn and stable equipment, not elsewhere specified.	lb.	4,431,372	306,479
Burn and stable equinment not alsowhere energified	10.	7,701,012	116,011 877,531
Barrels, wooden—			011,001
Barrels, wooden— Apple, etc.	No.	837,715	391.842
Fish Floor, sugar, etc. Oil, vinegar, water, etc. Whisky, beer, etc.	16	14,567	28,693
Ploor, sugar, etc	- 16	335,821	289,976
Uil, vinegar, water, etc	4	154,170	331,253
Barrola steel	41	64,718	305,524 564,518
Barrels, steel. Pars, iron and steel, sheet and tin plate (made for own use)	1. ton	35,072	
Bars, steel, for reinforced concrete— Quantity made.			
Quantity made	44	50,296	-
Quantity sold	64	51,280	2,613,431
Owantity mode	61	100, 251	
Quantity made.	66	87,442	4,582,465
Baskets and crates, fruit and vegetable		01,222	1,068,815
Quantity soid Bars, steel, including spring steel, etc.— Quantity made. Quantity soid Baskets and crates, fruit and vegetable. Baskets, other, not specified. Bathing caps. Bathing caps.			144,586
Bathing caps	doz.	79,368	34, 170
Bathing suits	14	59, 159	926.245
Bathrobes, dressing gowns, smoking jackets, etc	No.	73,802	767,796
Bathing suits Bathtrobes, dressing gowns, smoking jackets, etc. Bats, baseball Bathroom fixtures, n.e.s.	10.	10,802	13,535
Storage, for automobiles and other internal combustion en-			
gines	No.	446,667	2,525,855
Storage, for motive power.	46	3,611	76, 139
Storage, for motive power Storage, for telephone switchboards Storage, for farm lighting plants		5,019 16,767	88.471
Storage, for farm fighting paints	No. of cells	10,101	92.153
Storage, for all other purposes	No.	34, 132	217,896
Dry cell, 6-inch	No. of	1,947,377	556,685
	cills		
Dry cell, flash light. Dry cell, radio, B and C. Parts and supplies. Battery containers, and parts. Batting and wadding. Batts, flocks and rolls, including auto batts.	66	6,472,789	409,661
Dry cell, radio, B and C	**	14,082,567	954,921
Rettury containers and parts	No.	1,488,807	95, 199 217, 441
Batting and wadding		2, 100,001	327,283
Butts, flocks and rolls, including auto batts	-	-	269, 188
Deas and Courses			
Metal and iron beds	No.	217,520	1,263,350
Metal and from couches	64	98,732 14,378	427,907
Metal and iron cots and bunks		12,070	90,522
Bedspreads	_	_	429,515
Metal and iron beds Metal and iron couches Metal and iron cribs Metal and iron cots and bunks Bedspreads Bedspreads Beekeepers' supplies, not elsewhere specified	_	_	119,927
Deer, are, stout and porter -			
Full strength, in barrels	gal.	15,611,537	9,404,028
Full strength, in bottles	66	35, 232, 987 380, 924	37,384,368 202,363
Under full strength in bottles	44	863,526	974,709
Under full strength, in barrels. Under full strength, in bottles. Beet pulp.	-	-	8
Bells and gongs	_		10,603

Note.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
			8
Belting, leather (transmission)	lb.	241,579	469,438
Reits leather and other (body balts)	No.	2,774,139 661,352	1,119,221 270,560
Belting, rubber. Belts, leather and other (body belts). Belts, not specified.	140.	001,002	60,067
Bicycles, men's Bicycles, women's Bicycles and tricycle parts Billiard tables and billiard supplies	No.	17,319	458,631
Bicycles, women's	66	1,110	27,005
Billiard tubbas and billiard sumplies			
Binders, grain and corn Bindings (See also "Tapes"). Bins and hoppers.	No.	3,524	591, 685
Bindings (See also "Tapes")	_	-	326, 829
Bins and hoppers	No.	56	19,974
Biological products Bird enges Bird enges Biscuits, plain and fancy Hiscuits, sools Bismuth salts		_	560, 978
Biscuits, plain and faney.	ton	39,345	10,977,382
Biscutts, sods	46	11,975	4,012,222
Bismuth salts			
Black acetylene	-	40	
Cotton and cotton, mixed		_	1.577.938
All mool	lbs.	131,142	149, 109
All wool	prs.	131,860	561,308
Slumber throws	No.	54,608	202.458
Blankets, horse			99, 192
Blocks butchers	-		
All wool. Slumber throws. Blankets, horse. Bleaching compound and flour. Blocks, butchers. Blooms, billets and slabs. Blooms, wormen's.	_	_	
Blouses, women's		-	775.856
Blouses, women's. Blousers of all kinds (including blowers, fans, etc.). Blue, laundry.	_		369,452
Blue, launity	-	-	82, 149 240, 306
Rosts life and whole	No.	50	16,040
Boats, motor.	44	263	598,624
Bonts, sail	64	87	28,897
Boats, iffe and whale. Boats, motor Houts, sail Boats, other, including row boats, skiffs, etc	W-14	-	147,313
Deller compounds	No.	- 6	286,327 56,579
Roilers, beating	H	12.446	1.614,252
Boilers, power.	44	403	655,558
Boilers, range, galvanized	COVE .		416, 276
Boilers, not specified		-	58,864
Boilers, lectring. Boilers, lectring. Boilers, power Boilers, range, galvanized Boilers, not specified. Boilers parts and accessories. Bologna and blood pudding.			295,092 156,329
Bolsters, railway car			100,328
Rolls nuts and rivots		-	2,655,441
Bone black, made for own use	lb.	217,270	
Book binding		-	84,652 2,464,012
Books and pude denving evereige etc	No.	30,904,097	1,406,683
Bone black, made for own use. Bone, raw, ground, etc. Book-binding Books and puds, drawing, exercise, etc. Books, loose-leaf and blank books.		-	1,689,641
Books, text. Books, counter check and sales books.	-	-	
Books, counter check and sales books	-	-	949,654
Bottle wrappers	_		137, 186
Bottles, thermos. Bowling alley construction and supplies			40,345
Bowls, water	No.	2,317	8,326
Box toes. Boxes, metal.			
Boxes, metal	-	- 1	
Boxes, paper— Corrugated			4,795,173
Fibre board	-		634, 980
Folding	****	-	4,026,566
Musing tubos	-	-	104, 196
Not specified Not specified		~-	4,329,188 292,140
Not specined			292,140
Berry boxes	No.	18,394,478	127, 950
Butter boxes	16	1,614,513	368, 483
Cheese boxes. Cigar and tobacco boxes.	66	970,506	199,626
Figh bywas	61	671,884	78,282
Fish boxes		65.542 50,330	29,591 261,519
Rough boxes or shells. All other boxes and containers, not specified			

NOTE.—The asterisk (*) indicates that the commodity was reported by nnly one or two concerns.

68937-61

No.				
Brake beams and parts 150, 719	Itom.	lo	Quantity.	Value.
Brake beams and parts 150, 719				5
Bread 15. 942,784.007 16,029,901	Braids and gimps		-	391.462
Bread 15. 942,784.007 16,029,901	Brake beams and parts		-	159,719
Bread 15. 942,784.007 16,029,901	Brakes, brake shoes and parts	lb.		722,883
Bread 15. 942,784.007 16,029,901	Bran	ton	239,743	3,331,251
Bread 15. 942,784.007 16,029,901	Brass and bronze work, architectural	_	-	528, 105
Records work, architectural		- 1	-	1,032,901
Records work, architectural	Bread	lb.	942,784,007	46,930,340
Records work, architectural	Breakfact foods (see "Cereal products")			
Records work, architectural	Bricks, cement		1,480	30,763
Records work, architectural	Brick, from domestic clay	M	237, 162	4,289,801
Records work, architectural	Brick, sand-lime	M	46,003	469.783
Records work, architectural	Bridges erected -railway and highway	ton	45.309	
Monomis	Bronze powder		-	
Monomis	Bronze work, architectural		-	408,703
Fibre	Browns			
Fibre		doz.	299, 158	1,146,257
Collaboraria	Fibre	96	4,176	45,595
Mudie of corn and fibre	Har		2,409	28.750
Mudie of corn and fibre	Other	46	7,930	24,043
Paint	Brusnes—			
Paint	Made of corn and fibre	doz.		
Buildiers' supplies, n.e.s.	Pant	4.6		
Buildiers' supplies, n.e.s.	Tooth	16	43.538	123,974
Buildiers' supplies, n.e.s.	Toilet, of all kinds, not elsewhere specified	46	74,602	338,682
Buildiers' supplies, n.e.s.	For factory use	16	109.941	372,423
Buildiers' supplies, n.e.s.	Other, not specified		_	521, 451
Butter, factory made Butter, whey, factory made Butter, whey, factory made Butter, whey, factory made Celluloid. Callalith, horn, etc. Pearl Button, not specified. Button moulds Button moulds Button moulds Cabinets, is cercam Cabinets, is cercam Cabinets, medicine, Calcium, acetate, grey Calcium, surveyande Calcium, cyanamide Calcium, cyanam	Buckwheat grits.			42,066
Butter, factory made Butter, whey, factory made Butter, whey, factory made Butter, whey, factory made Celluloid. Callalith, horn, etc. Pearl Button, not specified. Button moulds Button moulds Button moulds Cabinets, is cercam Cabinets, is cercam Cabinets, medicine, Calcium, acetate, grey Calcium, surveyande Calcium, cyanamide Calcium, cyanam	Budders' supplies, n.e.s.		-	282, 455
Butter, factory made Butter, whey, factory made Butter, whey, factory made Butter, whey, factory made Celluloid. Callalith, horn, etc. Pearl Button, not specified. Button moulds Button moulds Button moulds Cabinets, is cercam Cabinets, is cercam Cabinets, medicine, Calcium, acetate, grey Calcium, surveyande Calcium, cyanamide Calcium, cyanam	Building blocks, hollow cement		_	
Butter, factory made Butter, whey, factory made Butter, whey, factory made Butter, whey, factory made Celluloid. Callalith, horn, etc. Pearl Button, not specified. Button moulds Button moulds Button moulds Cabinets, is cercam Cabinets, is cercam Cabinets, medicine, Calcium, acetate, grey Calcium, surveyande Calcium, cyanamide Calcium, cyanam	Buns	_	_	3.071.823
Butter, factory made Butter, whey, factory made Butter, whey, factory made Butter, whey, factory made Celluloid. Callalith, horn, etc. Pearl Button, not specified. Button moulds Button moulds Button moulds Cabinets, is cercam Cabinets, is cercam Cabinets, medicine, Calcium, acetate, grey Calcium, surveyande Calcium, cyanamide Calcium, cyanam	Buoys, marine		6-4	
Buttons—Celluloid. gr. 78,582 133,747 Galalith, horn, etc. — 78,955 Ivory. gr. 425,882 245,475 Metal gr. 325,481 151,760 Other, not specified. — 335,481 151,760 Button covering, hemstitching, etc. — 33,860 Button covering, hemstitching, etc. — 33,860 Button covering, hemstitching, etc. — 33,860 Button covering, hemstitching, etc. — 30,944 Cabinets, ice cream. — — 30,944 Cabinets, including. — 30,944 Cabinets, including. — 30,944 Cabinets, including. — 30,944 Cabinets, including. — — 445,283 Calkis, horseshoc. — — 455,283 Candes (See also "Wax and candles")			_	
Celluloid. gr. 78,582 133,747 Galalith, horn, etc. 78,955 1vory. gr. 425,882 245,487 Metal 325,481 151,760 Gther, not specified. 325,481 151,760 Gther, not specified. 335,481 151,760 Gther, not specified. 335,481 151,760 Gther, not specified. 338,830 Bulton covering, homstitching, etc. 303,772 Subtron moulds -	Butter, factory made	1b.	225, 955, 246	50. 198. 878
Celluloid. gr. 78,582 133,747 Galalith, horn, etc. 78,955 1vory. gr. 425,882 245,487 Metal 325,481 151,760 Gther, not specified. 325,481 151,760 Gther, not specified. 335,481 151,760 Gther, not specified. 335,481 151,760 Gther, not specified. 338,830 Bulton covering, homstitching, etc. 303,772 Subtron moulds -	Butter, whey, factory made	94		
Celluloid. gr. 78.882 133.747 63411th, horn, etc. - - - 78.955 1 vory. gr. 425.882 245.475 1 vory. gr. 425.882 245.475 1 vory. gr. 425.882 245.475 1 vory. 1 vor			-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1 1 1 1 1 1 1 1 1 1	Callafaid	gr.	78.582	133.747
Cabinets, ice cream	Galalith, horn, etc	_	-	
Cabinets, ice cream	lvory	gr.	425.882	245, 475
Cabinets, ice cream	Metal	96		53.505
Cabinets, ice cream	Pearl	16	325,481	
Cabinets, ice cream	Other, not specified.		-	13.860
Cabinets, ice cream	Button covering, hemstitching, etc		-	303.772
Cabinets, silverware, n.e.s. — — — — — — — — — 30,944 Cabinets, medicine, — — — — — — — — — — — — — — — — — — —	Button moulds		240	
Cabinets, silverware, n.e.s. — — — — — — — — — 30,944 Cabinets, medicine, — — — — — — — — — — — — — — — — — — —	Butyl acetate		-	
Cabinets, silverware, n.e.s.				
Cabinets, silverware, n.e.s.	Cabinets, ice cream			
Cabinets, medicine, Cadmin anodes Calcium, acetate, grey Calcium, cyanamide Cancium, cyanamide Canacium, cyanamide Cancium, cyanamide Cancium, cyanamide Canacium, cyanamide Canacium, c	Calvinate cilvaruura n a c		016	30.944
Calks, horseshoe	Cabinets, medicine.			
Calks, horseshoe	Cadmium anodes			
Calks, horseshoe	Calcium, acetate, grey	-	-	
Calks, horseshoe	Calcium carbide			
Calks, horseshoe	Calcium, cyanamide		_	
Canoes of the kinds Canoes of the kinds Canoes of canvas goods, not elsewhere specified	Calendars, etc.		-	
Canoes of the kinds Canoes of the kinds Canoes of canvas goods, not elsewhere specified	Calks, horseshoe	1b.	1,422,775	
Canoes of the kinds Canoes of the kinds Canoes of canvas goods, not elsewhere specified	Cameras	_		
Canoes of the kinds Canoes of the kinds Canoes of canvas goods, not elsewhere specified	Candles (See also "Wax and candles")	lb.	1.377.286	409.756
Canoes of the kinds Canoes of the kinds Canoes of canvas goods, not elsewhere specified	Cane, woven	_	-	
Canoes	Cans of all kinds		-	11,746,877
Canvas and canvas goods, not elsewhere specified.	Canoes	No.	2.440	167, 881
Capacitors (static condensers) for power factor correction. - * Caps Cloth. Doz. 216,317 1,693,250 Cotton. - 73,355 - - 73,355 - Fur. No. 6,520 20,458 - 1,600 13,544 - <td< td=""><td>Canvas and canvas goods, not elsewhere specified</td><td>_</td><td></td><td>100,817</td></td<>	Canvas and canvas goods, not elsewhere specified	_		100,817
Caps Doz. 216,317 1,693,250 Cotton. No. 6,520 20,458 Leather. Doz. 1,600 13,544 Uniform. "11,895 76,043 Not specified. — - 61,554 Caps, bottle, metal. — - - 1,497,678 Carps, bottle, paper. — - 308,100 Carlon dioxide, solid and in cylinders. — - 494,420 Carburizing untertals and heat treating products. — - - 991,837 Cards, Greeting), seals and tags. — - 991,837 - - 991,837	Capacitors (static condensers) for nower factor correction	_		
Cloth Doz 216,317 1,893,250 Cotton - - 73,355 Fur No. 6,520 20,458 Leather Doz. 1,600 13,544 Uniform - - 61,554 Caps, bottle, netal - - - 1,497,678 Caps, bottle, netal - - 308,108 - - 308,108 - - 494,420 Carbon dioxide, solid and in aylinders - - - 494,420 - </td <td></td> <td></td> <td></td> <td></td>				
Cotton 73,355 Fur No. 6,520 20,458 Leather Doz. 1,600 13,544 Uniform "11,895 76,043 Not specified — - 61,554 Caps, bottle, netal. — - 1,497 678 Carlso, bottle, paper — - 308,196 Carlso, dioxide, solid and in sylinders — - 494,420 Cards, (greeting), seals and leat treating products — - 991,837 Cards, (greeting), seals and tags — 991,837 - 991,837	201 A	Doz.	216,317	1,693,250
	Cotton		dra .	73,355
	Fur	No.		20,458
	Leather	Doz.	1,600	13,544
	Uniform	64	11,895	
	Not specified	-	-	
	Caps, bottle, metal		_	1,497 678
	Cans hottle, paper			308, 160
	Carlyon diovide, solid and in cylinders		-	
	Carburizing materials and heat treating products.	_	- m	
	Cards. (greeting), seals and tags.	_	-	991,837
Cards, printed for tabulating machine.			_	0
	Cards, printed for tabulating machine	_	App.	

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Item.	Unit of Measure.	Quaatity.	Value.
			8
Carpets, mats and rugs-			
Carpet in rolls, including stair.	1:1	140 003	012 020
Axminster Wilton Brussels Other, not specified Carpets in squares 4' 6" by 7' 6" or larger— Axminster. Wilton Small squares and runners— Axminster. Wilton Colonial or rag russ	lin. yd.	142,807 210,330	257,270
Brusola	46	21.818	613,502 26,705
Other, not specified	24	75.669	86, 195
Carpets in squares 4' 6" by 7' 6" or larger—			
Axminster		-	537,593
Small congres and runnare-			322,824
Axminster		_	593.059
Wilton	_		477,281
Colonial or rag rugs. Cotton rugs, including bath mats.	No.	94	
Cotton rugs, including bath mats		-	84,392
Other rugs, squares and runners. Rugs, new, made from old carpets			214,056 17,955
Carpet sweepers	_	tur.	11,000
Carriages and wagons complete (See also "Wagons")	No.	2,390	212,206
Carriages and sleighs, baby	44	29,553	356,067
Carpet sweepers Carriages and wagons complete (See also "Wagons"). Carriages and sleighs, baby Carriage and wagon bodies and boxes.		-	39,455
Carriage and wagen materials Carriers, litter	No.	180	298,280 6,950
Carriers, tire and luguage		700	83.088
Cars, electric railway, new.			*
Carriers, tire and luggage Cars, electric railway, new Cars, steam railway, new Cars, dump, hand, push and other n.s.	_		
Cars, dump, hund, push and other n.s. Carts, concrete Carvings, not specified. Casein, made Cases, fibre Cases, first aid Cases, eye-glass and jewelry. Cases, leather, of all kinds. Cases, pinto. Cases, pinto. Caseing, well. Caskets Casks, wine, etc. Castings.	-		130,370
Carringe not enorified			76.024
Case in made	lb.	906,656	70,949
Cases, fibre		-	91,305
Cases, first aid.	_		0
Cases, eye-glass and jewelry	1.4		65,152
Cases, leather, of all kinds	No.	55.477	59.277 24,346
Cases, tonetware and saverware		00,411	24,040
Casing, well.	_	-	
Caskets	No.	69, 151	2,162,703
Casks, wine, etc	46	5,795	13.222
Castings – Alloys, white metal			
Aluminium	lb.	168, 567	40,938
Aluminium. Brass Brass and broaze.	49	1,606,898	405,114
Brass and bronze	41	151,910	37,436
Copper	11	15, 170 100, 298, 124	4,728
Grey iron	66	22,821,378	1,683,048
Malicable iron Iron, not specified	66	49,860,028	2,064,292
Direct steel —			
Quantity made	1. ton	34,979	
Quantity sold	lb.	31, 142 1, 325, 956	5, 151, 191
Steel, not specified. Castings and machinery fittings—	10.	1,020,800	59,611
Castings and inactinery ritings— Brass Bronze Copper Other non-ferrous metal.	lb.	2,240,146]	
Bronze	44	763,788	1,344,706
Copper	64	88,870	
Other non-ferrous metal		1,519,104)	00 100
			82, 182 146, 269
Ceilings and siding metal.	_	100	149,893
Celluloid products, not specified		-	583,845
Castors Callings and siding, metal. Celluloid products, not specified. Coment, Portland.		-	16,041,072
Censent, high temperature.	_	_	112,751
Coment products, not specified			61,662
Coment, rubber	gal.	692,033	183, 272
Cement, Portland Centent, bits temperature Cement, other, not specified Cement products, not specified Cement rubber Cereal products, prepared Cereal products, prepared Clains, automobile Chairs, barber, dentist and beauty parlour Chaplets, foundry Chapps Charcoal Charcoal Charcoal Charcoal Charcoal	lb.	48,703,534	6,919,112
Cereal products, unprepared	e	0	563,729
Chains, automobile		7 .	522,069
Chairs barber dentist and beauty parlour			11.085
Chaplets, foundry	lb.	764, 191	22,681
Chann	_	-	
Chappa.	bush.	2.234.538	424,076

NOTE.—The asterisk (*1 indicates that the commodity was reported by only one or two concerns.

_ltem.	Unit of Measure.	Quantity.	Value.
			8
Chasse, skim milk, cottage, etc. Chassedoth Chassedoth Chasts, cedar Chasts, cedar Chains gum Chicken, canned Chicory, roasted Children's wash suits and rompers Children's waists. Children's wear, not specified Children's wear, not specified Chisels Children's deprivation of the control of	100	- 1	180,669
Changet products not elsewhere energiad			149.677
Chests, cedar		_	286,807
Chewing gum	- 1	-	
Chicken, canned	case	10,723	67,283
Chicory, roasted.	doz,	22,023	101,498
Children's wasts suits and rompers	41	7,999	23,559
Children's sleepers		-	20.164
C'hildren's wear, not specified		-	30,607
Chisels	_	-	
Chlorine, liquid	lb.	11,163,420	1,732,926
Choppers food	10.	11,100,120	1,102,020
Charms	No	1.388	55.585
Cider	gal.	516.708	98,215
Cigurs	M M	155,412	7,247,152 42,865,121
Cinder blocks	M	4,431,585	231,782
Cigarettes. Cinder blocks. Cirates. Cleaners, vicuum, and parts. Cleaners, vicuum, and parts. Cleaning and scouring powders and paste. Cleaning preparations, other. Cleaning of carpets, feathers, etc. Cleaning of carpets, feathers, etc. Clocks. Cloth, guirmed. Cloth, hair. Clothes pins. Clothing, men's and boys', not specified. Clothing, women's, not specified. Clothing, woled and waterproof (See also "Coats, oiled"). Coatshulls and plates (fur coats). Coatshulls and plates (fur coats).		-	6
Cleaners, vacuum, and parts	No.	143, 182	3,378,123
Cleaner, hand	lb.	10,540,143	120,008
Cleaning and scouring powders and paste	10.	10,040,145	740,857 237,208
Cleaning of carpets, feathers, etc		-	533,902
Clips, wire		-	
Clocks		-	563.755
Cloth, gummed		_	136,627
Cluthes nine	gr.	709,171	121,307
Clothing, men's and boys', not specified	551 -	-	313, 181
Clothing, women's, not specified	-		55,000
Clothing, oiled and waterproof (See also "Coats, oiled")		-	53,462
Clothing, work, not specified			57,500
Costs - Costs -			
Boys' separate, woollen	doz.	11,065	524,089
Boys' separate, other	44	677	37.377
Men's separate, woollen	44	8.029 765	1,247,818 127,649
Roys' overcosts and rectors	64	10,922	760,611
Men's overcoats and topcoats	66	32,130	5,655,901
Women's coats and clonks, woollen	64	79,792	13,320,265
Women's conts and cloaks, other	-	***	952,648
Clibition's coats of all kinds			1,622,226 309,259
Other cloth coats in s		-	88.254
Leather coats and vests		80	478,348
Mackinaws and windbreakers	- 1	-	795,008
Washable coats	doz.	32,920	178, 165 748, 156
Waterproof and rain coats	uoz.	02,820	209,007
Not specified	_	-	26,203
Roys' separate, woollen Boys' separate, woollen Boys' separate, woollen Men's separate, other Men's separate, other Boys' overcoats and recfers Men's overcoats and topcoats Women's coats and clonks, woollen. Women's coats and clonks, woollen. Women's coats and clonks, other. Children's coats of all kinds Blazers Other cloth coats, n.s Leather coats and vests Mackinaws and windbreakers Washable coats Rubber coats Waterproof and rain coats Not specified. Coats, fur—			
Citiatien s	No.	1,679 66,015	37,930
Ladies' Men's	14	3,174	8,212,323 213,374
Ladies Men's Conts, fur-lined—		0,173	210,017
Chudren's and ladies	No.	76	7,716
Men's	11	109	13,353
Cocoa	lb.	3,128,948 1,864,712	913,712
coros nucter		1,004,712	325,775
		-	
Colleg. condensed		20,016,658	5,963,034
Coffee, condensed Coffee, rousted	lb.	20,010,008	
Coffee, condensed Coffee, rousted Coffins	lb. No.	8,667	86.470
Cortine, prepared and desiceated. Cattee, condensed. Coffer, rousted. Coffins Couls, refrigerator	No.	8.667	86.470 377 336
Cortee, condensed Collee, rousted Collins Coils, refrigerator Coke, pietroleum Cale, gashouse	No. s. ton	72,339 320,319	377,336
Collee, condensed Collee, rousted Collins Colle, refrigerator Coke, petroleum Coke, gas-house. Coke, by-product	No.	8.667 72,339	377,336 2,262,730 10,157,011
Cortee, condensed Coller, rousted Coller, rousted Coller, refrigerator Coke, petroleum Coke, gas-house Coke, by-product Cold storage equipment	No. s. ton ton	8.667 72,339 320,319 1,512,381	377,336 2,262,730 10,157,011 62,097
Caeas butter Caeas butter Caeas nut, prepared and desiccated. Caflee, condensed. Cafles, consted. Cafles, refrigerator Cake, petroleum Cake, ps.s-bonse Cake, by-product. Cald storage equipment Caldars, fur	No. s. ton	8.667 72.339 320.319	377,336 2,262,730 10,157,011

Nors .- The salerisk (*) indicates that the commodity was reperfed by only one or low someons.

Item.	Unit of Measure.	Quantity.	Value
			8
Colours, butter, cheese, etc			70,309
Colours, dry Colours in oil and japan	lb.	2,031,275	157,427 302,219
Colours in oil and japan	gal.	1,653,401	302,219
Columnian spirits. Comforters, cotton	No.	94,543	198.686
Comforters, down. Comforters, not specified. Compressors, air. Conduit, electrical. Cones and wafers, ice cream.	66	28.991	270,436
Comforters, not specified	-64	9,916	55,412
Compressors, air	-	-	991,532
Conduit, electrical	-	-	1,236,364
Cones and wafers, ice cream	13	E4 000 004	332.551
Confectionery, chocolate	lb.	51,332,681 51,566,688	13,992,557 9,132,501
Confectionery, sugar	46	1,991,211	419,922
Containary not specified	_	4,001,241	118,384
Confectionery, chocolate. Confectionery, sugar. Confectionery, not specified. Containers, not specified. Converter equipment, electrical. Conveyors. Coolers, water Cooperinge products, not specified. Corper metal (other than smelter products). Core compound. Cores, paper Cores, pager. Core, radiutor. Corn, cracked. Correts.		-	324,662
Conveyors	-		317,973
Coolers, water	-	~	
Cooperage products, not specified	*******	-	167,898
Copper metal (other than smelter products)		100	40.000
Core compound	ton	423	19,386
Cores, paper			72,138
Cores, radiator	lb.	41.098.284	635.371
Compacts	dos.	143,991	2,220,646
Carelattus correctes brassieres etc	GOE.	* 10,001	1,924,446
Corset parts. Cotter pins			
Cotter pins	_	-	
Bleached or white	yd.	28,554.965	3,619,005
Unbleached or grey	66	108,038,717	10,502,799 2,324,364
Cotton and rayon mixtures		8,537,036	780,335
Bisached or white. Unblackhed or grey Cotton and rayon mixtures. Cotton and other mixtures. Printed, dyed or coloured. Not specified.	yd.	102,398.662	12,452,976
Not enoughed	3 04.		6.874
Counters shoe	pr.	15,439,151	363.023
Covering, boiler and pipe, asbestos	ft.	1,914,431	178.611
Covers, buby carriage and crib		-	7,745 30,250
Covers, couch and table	_	-	30,250
Covers, canvas	N.T.	7,029	68,698 59,244
Covers, mattress	No.	1,020	209,754
Covers, radiator, tire and spring.			202,649
Covers, amorie, not specified	lb.	8,786,043	123, 495
Printed, dyed or coloured. Not specified. Counters, shoe Coveris, boiler and pipe, asbestos. Covers, buby carriage and crib. Covers, cunvus. Covers, cunvus. Covers, mattress. Covers, radiator, tire and spring. Covers, Inbrie, not specified. Cracklings Crawons, wax and chalk Cram, sold in dairy factories. Crenn, whey, sold in dairy factories. Creum of turtar, refined. Cream of turtar, refined. Cream of tartar substitute. Cream of partial substitute. Cream of partial substitute.		-	
Cream, sold in dairy factories	lbs.	13,587.286	7,564,141
Crenm, whey, sold in dairy factories	16	774,353	125,045
Cream of tartar, refined	lb.	625, 107	172,978
Cream of tartar substitute	No.	10.718 7,110	2,245 483,675
Cream separators	No.	1,110	49,976
Crests and pennants	No.	93	207
Crean of tartar substitute. Creans eparators Crests and pennants Croy arms Cross arms Croton aldehyde Crushers and parts Cuffs, fur Cutivators		_	102,661
Croton aldehyde		-	
Crushers and parts			47,099
Cuffs, fur	No.	182,167	520.527
Cultivators	No.	3,518	279.564 1,484,419
Culverts, sheet metal	_		267,222
Cups, paper			511,261
Cultivators Cultivators Culverts, sheet metal. Cups, paper Curtains and curtain material Curtain rods and fixtures.		_	303,068
Cushions	_		230,182
Cushion fortus	doz.	186,505	86,246
Cushion forms Cushions and mattresses, air and sponge. Cutlery, all kinds.		-	11.025
Cutlery, all kinds			340,851
70.1			914,284
Dairy equipment, not specified			914,284
Dates, pitted and stuffed			77.438
Descripted supplies		_	172,943
Deoxidine	-	_	35,540
The state of the s		-	24,800
Derricks and winches			
Darry equipment, not specified. Dates, pitted and stuffed. Decorations, including party favours, confetti, etc. Dentists' supplies. Deoxidine. Derricks and winches Desk sets. Dies, atamping. Dies, shoe.	No.	10,745	49,274 65,871

Norg.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
Dies, taps and stocks.			\$ 247 400
Dies, taps and stocks. Diggers, potato Disinfectants. Display forms and stands.	No.	386	247,408 36,842
Display forms and stands		-	423,763
Distillers grain Dog collars Dolls, of all kinds Doll furnishings Dogs beldere		~	146,323 76,245
Dolls of all kinds	No.	34,943	12,565
Doll furnishings	doz.	41,694	299, 405 10, 283
Door holders		-	6
lowels -		_	441,954 65,504
Draperies Dresses, women's, including "house dresses" Dresses, children's Dresses, children's Dressing gowns, negligees (See Bathrobes, etc.).			31,145
Dres es, children's	Doz.	737,392	25,903,393 1,166,945
Dre sing gowns, negligees (See Bathrobes, etc.).			
Dressing gowns, negligees (See Bathrobes, etc.). Dressing, salad. Driers, linoleate. Drills, grain. Drills of all kinds (tools).	gal.	129,911	412,109
Drills, grain.	No.	81,211 2,818	78,539 457,707
Drills of all kinds (tools)	-	-	224, 177
Drills, rock Drug sundries, not specified	No.	605	479,473 172,156
Drug sundries, not specified. Dyeing and cleaning of garments. Dyeing, bleaching and finishing of textile goods. Dyes.			6,812,927
Dyeing, bleaching and finishing of textile goods		-	2,708,499
Paymetrough and nine			207, 280
Egg substitute, including powdered albumen		-	366,541 88,718
Eggs. frozen	-04	-	00,110
Eavestrough and pipe Egg substitute, including powdered albumen Eggs, frozen Eiderdown Electrical apparatus, parts and supplies, n.e.s.			2.934,241
Electrical instruments, ammeters, etc.			1,267,194 122,310,730
Electric light and power	A	0.2 0.14	122,310,730
Electrotyping	ton	22,911	1,181,589 892,832
Elevator parts	*****	-	266.710
Electrical instruments, manaters, etc. Electric light and power Electrotyping. Elevator parts Elevators, grain Elevators, freight and passenger. Embalming fluid		-	9 401 500
Envalors, reight and passenger Embhaning fluid. Embossing Embroideries and laces Enamel, synthetic type Enamel, frit Envalual Lacon		-	3,681,592 20,228
Embossing		-	302, 109
Enamel, synthetic type	gal.	137.686	78,254 474,484
Enamel, frit	-		82.487
Enamel, Japan Enamels, other Engines, aircraft Engines, auto Engines, gas and oil. Engines, gasolene Engines, gasolene	gal.	118,961 419,113	1.286.969
Engines, aircraft	No.	48	176,926
Engines, auto	-	-	
Engines, gasolene	No.	2.776	97,389 643,968
Engines, steam			29,147
Engravings (n s)	_		26.534
Ensilage cutters	No.	174	1.812,786 4,790
Engraving. Engravings (n.s.). Ensilage cutters. Envelopes Ethyl acetate.	4.5	1,275,490,517	2,809,060
Eveners			19,477
Eyeners Excelsior and wood wool Excelsior pads Expansion joints Explosives		-	124,773
Expansion joints	*1114	7.7	63,834
Explosives		_	5.975,932
		-	1.612,319
Fabrics, bathrnbe and kimono Fabrics, coated and impregnated, not elsewhere specified Facings and parting, foundry Fenning mills Fans, electric Fashion books and sheets	lb.	47,117	49,406
Facings and parting, foundry	_		764,480 62,442
Fanning mills.	P-10	-	0
Fashion books and sheets	No.	2.865	53,970
Feathers of all kinds. Feathers, artificial. Feed, chopped. Felt, control and saturated (fabric). Felt for pulp and paper making (wool and cotton).	_	-	423,747
Feathers, artificial	dos.	35,122	34.389
Felt, coated and saturated (fabric)	ton	868, 230	20,658,193
Felt for pulp and paper making (wool and cotton)	lb.	1.890,099	2,345,084
Felt, cotton, n.s. Felt, huir Felt, pindding, lining, etc. (wool and cotton).	_		79,828 459,827
			244.442

Item.	Unit of Measure.	Quaatity.	Value.
7 (C., 9D.,)			- 8
eit mper (Sec 'Paper)			207.4
elt, shoe	_		46.7
ence and enting, icon		_	230.4
nce rods and posts sacing, wire secing, snow erro-alloys (Ferro-silicon, ferro-manganese, etc.)		-	56,5
ncing, wire	-	***	1,728.2 189.3
ncing, snow		-	189.3
erro-alloys (Ferro-silicon, terro-manganese, etc.)		**	1,812,9
bre bard vulcanisad			3, 248, 3
bre and fibre products, not specified		200	57.4
stro-alloys (Ferro-shicon, ferro-manganese, etc.) strilizers bre, hurd, vulcanized bre and fibre products, not specified les and rasps ling system supplies llers and flats, egg-case. llers, paste and liquid. llings, pie and cake.	No.	2,533,868	278,4
ling system supplies	-	-	259.8
llers and flats, egg-case		-	99.1
llers, paste and liquid. llings, pie and cake lins, motion picture lins, photographers leters, filter presses, dises, etc. rebrick and atove linings, from imported clay. rebrick, from domestic clay. re clay.	lb.	1 001 000	54,1
longs, pie and cake	10.	1,331,229	107,0
line photographers'			
hers, filter presses, discs, etc.	-	_	29.5
rebrick and stove linings, from imported clay		-	280.3
rebrick, from domestic clay	M	2.248	107.5
re clay	ton	1,233	14.8
reclay blocks and shapes, from domestic clay	-	***	83,4
reclay blocks and shapes, from domestic clay reclay blocks and shapes, from domestic clay re-escapes re-escapes re-escapes.	_		218.9
rendere furnishings			756,7
sh cannot and otherwise propaged in factories			13,725,4
sh, fresh, marketed for consumption, sold in factories	100		5, 168, 4
shing nets and fishing tackle			30,1
Itings, boat		-	
Itings, for gas stoves		-	FDE C
whites, lighting, exterior		-	537,3 975,5
was and bunting	_		61.0
ashlight cases and lamns			01,1
atware, electro-silver plated		-	918,1
ax, dressed			
ax seed			24,6
ax products, not specified		-	
oor covering, congoleum and other	M bd. ft.	49.943	2.950,9
COVING MAGRACIA	M Du. It.	49,940	2.800,6
re esapes re eighting equipment replace furnishings sh, canned and otherwise prepared in factories sh, fresh, marketed for consumption, sold in factories shing nets and fishing tackle. Itings, boat. Itings, for gas stoves shures, highting, exterior stures, lighting, interior ags and bunting ashlight cases and lamps atware, electro-silver plated ax, dressed. ax seed ax reced ax products, not specified. bor cuvering, congoleum and other booring, hardwood booring, magnesite boor tile and joists, steel bour, burkwheat bour, corn bour, graham and whole wheat bour, low grade or feed bour, purske bour, purske bour, purske bour, purske bour, purske bour, purske bour, wheat, filended, bour wheat, fall or winter	_	_	
oar, buckwheat	ib.	3,031,682	82.7
our, corn	44	6.279.958	113,
our, graham and whole wheat			17.4
our, low grade or feed	ton	16.834	376.8
our, pancake	lb.	6,671,899	112.: 484.:
our, prepared and sen-raming	brl.	87,638	311,
our wheat fall or winter	4	883,123	3,096,6
our, prepared and self-raising. our, wheat, filended our, wheat, fall or winter our, wheat, spring our and meal, barley our and meal, rye owers, artificial y rods and paper	64	13,919,591	53.197.9
our and meal, barley	lb.	6,281,120	72,1
our and meal, rye	ы	4,289,107	81.7
owers, artificial	_	-	107,1
y pads and paper y swatters oil of tin, lead and aluminium. ood drinks	and .		
y swatters			
and drinke		and a	724.5
ood, fox and dog	lb.	4, 287, 005	213.1
od, poultry and stock		-	2,586,6
sod, fox and dog nod, poultry and stock sod, infant and dietetic sod products, canned, not specified		-	278.5
od products, canned, not specified	_	-	236,
ot wear, leather	20.00	10.964	
Falt upper, babies	pr.	10,264 15,204	18.2
Felt upper, children's	46	50,248	51.
Felt upper, pien's.	41	160,753	230.
Felt upper, women's	86	201, 164	174.1
Leather or fabric upper, babies'	66	1,212,663	973.1
Leather or fabric upper, boys	66	1,076,392	1,766,6
of wear, leather Felt upper, babies' Felt upper, boys' Felt upper, children s Felt upper, men's Felt upper, men's Felt upper, women's Leather or fabric upper, babies' Leather or fabric upper, boys' Leather or fabric upper, children's Leather or fabric upper, children's Leather or fabric upper, women's Not specified.	46	2,287,721 4,624,284	2.831.2 12.568.5
Louther or febric upper, men s	61	6,996,797	16,749,9
Not specified		0,000,101	16,749,5

Note. The asterish an indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
			\$
Footwear, shoe packs, larrigans and moccasins— Babies Boys' Children's Men's Women's	pr.	3,359 26,210 10,519	1,804 31,334 7,273
Men's	66	60,296	100.531
Footwear, rubber—		10,262	9,854
Knee and hip rubber boots	pr.	1.401.648	2,756,287
Overshoes, not including iersev storms	и	1,078,247 2,172,228	1,888,254 3,878,191
Rubbers, light, including jersey storms	66	4,083,247 1,556,798	2,426,656
Knee and hip rubber boots. Lumbermen's rubber boots. Overshoes, not including jersey storms. Rubbers, light, including jersey storms. Canvus, rubber-soled, balmorals. Canvas, rubber-soled, oxfords.	a	5, 138, 598	1,348,843 3,873.037
Not specified	37.	407	5,786
Canvas, rubber-soled, oxfords Not specified Forges and blowers Forgings, not elsewhere specified. Forks (hand implements). Formaldichyde Forms, register Formtains, soda. Frames und cases, spectacle. Fringes, cords and tassels. Fruit peel, candied Fruits, canced—	No. lb.	34,733,916	76.485 3,169,296
Forks (hand implements)		9	
Forms, register		-	
Fountains, soda.	_	-	- :
Frames and cases, spectacle		-	148.999
Fruit peel, candied	lb.	1.595,493	212,939
Fruits, canned— Apples Blueberries Cherries Penches. Peurs Pinenpples Plums Raspberries Rhubarh Strawberries Other small fruits, not specified Other fruits, not specified	case	60,895	119,437
Blueberries	14	9,718	19.402
Penches	66	73,933	233.884 638.123
Pears	66	161,052	434,395
Plums	44	64,099	140,700
Raspberries	66	65,463	341.157
Rhubarb	44	29.823	6,958 147,656
Other small fruits, not specified	66	49,389	173,401
Other fruits, not specified	lb.	24,470 972,529	71.289 257,821
Fruit mixes.	-	_	
Fruits and vegetables, cold processed		-	7.120
Other small truts, not specified Fruits, glaves Fruit nixes Fruits and vegetables, cold processed. Funigators Furnares and muffles, electro-metallurgical	No.	55	104,405
Furnary parts not alcombare engiled	_	17,245	1,278,237 153,067
Furniture -			
Bedroom furniture			3,855,656
Kitchen furniture		- 1	1,249,238
Living-room furniture	_		6,889,929 2,143,952
Office and store furniture and fixtures (See also "Store fixtures")	-	-	3.091,328
Ollice furniture, steel		-	1.753,179 97.499
School, lodge, church and theatre furniture		_	1,360.084
Camp furniture.		_	11,963 578,696
Furniture, not specified and other cabinet work		-	1.076,524
Furniture frames and parts	-		229,076 6,541
Fur dressing and dyeing			1.571.740
Fur tritming, n.6.s			310,262 2,445,740
Fuses and fuse wire			438,397
Furniture— Bedroom furniture Dining room furniture Kitchen furniture Living-room furniture Office and store furniture and fixtures (See also "Store fixtures") Office furniture, steel Other steel furniture School, lodge, church and theatre furniture Camp furniture. Wieker, reed and rattan furniture Furniture, not specified and other cabinet work Furniture frames and parts Furniture fishes Fur dressing and dyeing Fur trimning, n.e.s Fur trimning, n.e.s Furs, remodeled, repaired, etc			218,739
Galvanized ware		-	899,549
Gaiters, spats and leggings, Galvanized ware Garages and buildings, metal. Gas, carbonic acid (from breweries).			128, 443
CERS, DERGE			
Straight coal gas including coke oven gas	Meu. ft.	24,945,582 1,411,374	_
Straight water gas (blue gas). Carburetted water gas.	84	3,930.686	_
Mixed coal and water gas Oil gas Acetylene gas	44	202,021 53,120	_
Acetylene gas	64	178	-

Norr.-T'be asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
	46		\$
Gas sold	44	17,111,432	13.010,733
Gas used in maker's plants Gas, used in associated metallurgical work Gas, otherwise accounted for, but not sold	16	4,974,874 7,316,392	1,174,380 881,481
Gas, used in associated metanurgical work	42	180,928	59,975
Cas, not accounted for	46	959,335	1,059,085
Gas, not accounted for Gas, still, from petroleum refineries Gasolene	14	5,161,905	980,628
Gasolene	Imp. gal.	469,925,375	50,109,243
Quantity mada	No.	23,678	
Quantity sold Gauges, not specified.	44	23, 167	115,558
Lauges, not specified	No.	207	40,763 8,030
Gears, wagen Gears, gear wheels and chain sprockets	140.	201	59.297
Generators—			001001
Alternating current	No.	49	4,110,332
Direct current	"	132	266,073
Generators, steam.			
Class bort			26,433
Glass, bevelled and polished edge	_	-	465,813
Generators, violet ray Glass, bent Glass, bevelled and polished edge Glass, chipped or etched Glass, chipped or etched Glass, etcut Glass, etcut Glass, leaded, including memorial windows	1	**	71,639
Glass, cut		-	206,702
Glass, leaded, including memorial windows		**	302.130
Glass, mirror, plate			551,049 51,944
Class non-shatterable			107,687
Glass, mirror, plate. Glass, mirror, plate. Glass, mon-shutterable Glass, presed and blown. Glass products, other, including showcases, signs, reflectors, store			6,981,572
Glass products, other, including showcases, signs, reflectors, store			
	_	-	466,934
Glassware Gloves and mittens, fabric—	4000		97,477
Bloves and Inittens, labric—	dos neo	263.065	371,452
Working gloves and mittens Not specified Gloves and mittens, leather, dress— Men's, lined	doz. prs.	82, B47	353,210
Gloves and mittens, leather, dress-		04,111	000,210
Men's, lined	44	48.554	529,460
Men's, unlined	11	35.800	499,180
Women's and children's, lined	46	14.973	144,016
Men's, unlined Women's and children's, lined. Women's and children's, unlined Gloves and mittens, leather, working—	-	15.479	186.562
Mon's lined	34	66.987	401.830
Men's, unlined	26	180,472	1,018,403
Boys', lined	10	39.817	140, 125
Men's, lined Men's, unlined Boys', lined Boys', unlined Boys', unlined Gloves and mittens, leather, not specified Gloves and mittens, fur and fur-lined	66	18, 123	43,63
iloves and mittens, leather, not specified	46	447	27,181 2,268
Gloves, rubber	No.	858,950	121,378
Uncose or dextrose		-	9 1 1 1 1 1
Glue (bone, hide, fish and vegetable)	lb.	5.704.311	1,090,494
Glue stock	- 16	15,515,765	174.973
iluten	1b.	2,309,803	163,771
Hyeerine, crude (sold as such)	10.	5,117,800	540,337
Gold including dantal gold		0,111,000	596,895
Aloves or dextrose Glue (bone, hide, fish and vegetable). Glue stock Gluten Glue stock Gluten Glycerine, crude (sold as such). Glycerine, refined. Gold leif Gold leif Gold supplies, including golf bags, clubs, sticks, heads and stick shafts		-	
dolf supplies, including golf bags, clubs, sticks, heads and stick			
shalts. Grains, sold wet and dry (breweries).		44 400	213,931
Grains, sold wet and dry (breweries)	ton	44,421	242,462
Transfer out /building and ornamental)			2,616,301
Transite	_	-	-1010100
Trates and grate bars	- 1	-	54,264
Grating steel	- 1		0110 0110
Granaries, cold wet and dry (breweries). Granaries, cut (building and ornamental). Graphite Grates and grate bars. Grating steel Grease and tallow.	lb.	10,681,933	276.078
Grease, Jubrication	No.	14,769,621 62,372	243,795 168,487
Printers automative	140.	02,012	100, 201
Trinders, natulative	_	_	13,206
Frips, bicycle	_	-	
Guards, wire cages, etc	_	-	135,060
rease and tallow frease, lubrication frills and hot plates, electric frinders, automotive frinders, metal-working frips, bleyele Guards, wire cages, etc. Guards, furniture.	_	-	
inne centlatio			
Julia, Sylithette.			
Gums, synthetic Gymnasium supplies, not specified Gypsum blocks Gypsum products, n.s.			

Nore.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

	Unit			
Item.	of Measure.	Quantity.	Value.	
TI. '- · · · · · ·			\$	
Huir, animal Huir goods, human		**	197,012 16.259	
Halters Hames Hammers	No.	47.809	40,141	
Hannes				
Hammocks	doz.	1,142	26,433	
	- 16	93,953	61,449	
Handles, broom and mop	No.	7,676,943 1,316,113	116,143	
Handles, small top	- 11	2.500.470	244.145 82,577	
Handles, broom and mop Handles, long tool and axe. Handles, small tool Handles, not specified Hangers, garment. Hardware, automobile	-	-	26,832	
Hangers, garment	-	-	69,115	
Hardware, huilders'		_	257,369 2,346,005	
Hardware, carriage and saddlery	-	-		
Hardware, builders Hardware, carriage and saddlery Hardware, other, not specified Harness, double Harness, single	set	4,750	1,059,435	
Harness, single	861	3.752	193,249 78,362	
Harness collars	No.	64,928	194,918	
Harness parts	No.	8,678	369,896	
Harrow sections and parts, p.s.	340,	0,070	280,576 50,205	
Hurness collars. Hurness parts. Harrows. Hurrow sections and parts, n.s. Hurvester stackers.		-		
Hat blocks	No.	2.091	10,003	
Hat hoxes (See Bags, leather and imitation leather) Hat himps Hats, fur felt—	doz.	291,173	193,810	
Hats, fur felt-	44			
Men's Women's	46	55.972 17,712	1,538,053 366,463	
Children's Huts, wool felt—	_	11,112	200, 400	
Hats, wool felt-		LO OPR	210 010	
Men's Women's	doz.	18,857 152,515	312,210 2,184,414	
Children's	-66	15,692	149,345	
Children's Huts, velour felt—				
Women's	doz.	12,002	264,935	
Men's Women's Hints straw—		12,000	201,000	
Men's	66	51,790	265,583	
Women's	- 44	158, 167 47, 520	2,872,665 134,469	
Children's Hats, panama Hats, silk and beaver, men's Hats, silk and artificial silk, women's	16	47,520 27,130	465,826	
llats, silk and beaver, men's	1.6	1,719	37,453 43,908	
Hate velvet	14	13,246	44, 908 245, 965	
Hats, not specified	6.0	- 1	367,605	
Hats, sik and artificial sik, women s. Hats, rolt specified. Hats, cleaned and reblocked. Hat hodies. Hat shapes, buckrata. Hay carriers. Hay forks, horse or powor. Hay lookers.	Li	13,622	46,020	
Hat shares buckers			4.582	
Hay carriers		-	2,002	
Hay forks, horse or power	No.	761	87 110	
Hay presses	140.	101	57,119	
Hay loaders Hay presses Hay rakes, horse or power Hay rakes, side delivery and tedder combined.	No.	3,420	106,438	
Hay rakes, side delivery and tedder combined	set.	3.536.175	273.085	
Heading, barrel Heading, barrel Heaters, auto engine Heaters, boiler feed water. Heaters, blast Heaters, clertric	No.	3,514	13.802	
Heaters, boilerfeed water	_	-		
Heaters, blast		-	110 000	
Henters, unit			119,090 94,888	
Heaters, water and air, electric	No.	36.931	260,746	
Heaters, electric. Heaters, unit. Heaters, water and air, electric. Heaters, water tank Heaters, water tank Heating and ventilating equipment, not elsewhere specified. Heels, leather. Heeling. Heels, rubber and composition.	"	23,323	282,350 1,209,787	
Heels, leather	pr.	8,572,146	898.281	
Heeling	41	-		
Helmote	doz.	22,916,458 6,425	1,323,601	
Heap	uoz.		42,025	
Helmets Hennp Hides not specified Hookey sticks Hookey sticks	No.	611.388	2,287,800	
Hockey packs	No.	641,368	179,374	
	~ 4 (2,			
Hoes, hand	64	107, 154	55,137	

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Item.	Unit of Measure.	Quantity.	Value.
			\$
Hoists	-	-	254,990
Holders, eight and eightette		-	532,368
Holders, eigar and eigarette Holloware and flatware, sterling silver Holloware and spinnings, brass and copper		-	328,530
Holloware, electro-plated on nickel-silver. Holloware, electro-plated on Britannia metal. Holloware, electro-plated on brass. Holloware, iron and steel, enamelled. Holloware, iron and steel, not enamelled.		-	275,660
Holloware, electro-plated on Britannia metal.		-	659,254
Holloware, electro-plated on brass	-	-	
Holloware, iron and steel, enamelled	-	-	264,599
Holloware, from and steel, not enable fled			22,733 114,202
Hooks, eyes, metal notions, etc	No.	4,556,000	68,833
Hoops, wooden. Hoops, steel Horse-radish, prepared. Horse shoes	41	3,615,861	70.451
Horse-radish, prepared	lb.	137,742	39,572
Horse shoes	l. ton	2,147	252,453
Hose clamps. Hose, fire, unlined, linen. Hose and tubing, rubber	-		
Hose, fire, unlined, linen,	Ib.	4 480 008	1 571 170
Hosiery—	ID.	4,482,235	1,571,179
Cotton	doz. prs.	1,085,882	3,234,130
Mercerized	24	370.464	903,262
Merino and mixed	4.5	257.827	940,384
Artificial silk and mixtures	44	878.510	2,684,888
Silk or silk mixed	45	1,270,122	10,072,570 4,141,906
Woollen and worsted		1,159,870	4,141.906
Cotton Mercerized Merino and mixed Artificial silk and mixtures Silk or silk mixed Woollen and worsted Not specified Hydrants	No.	2,315	34,693 154,965
Hydrogen	eu. ft.	35,592,311	57.035
Hydrogen Hydrogen peroxide		-	45,838
Ice, artificial	-	0.004.070	1,750,476
lee cream	gal.	8,234,272 327,872	11.161.595
lee cream andries	_	021,012	357,238 51,777
lee cream mix. lee cream sundries fee creum freezers. leings and icing paste.			01,711
leings and icing paste	lb.	648,718	40,007
Incinerators Incibators and other poultrymen's supplies.			
Incubators and other poultrymen's supplies		-	175.850
Ingots and bars			152,274
Brass	Ib.	426, 172	
Bronze	6.6	I19,441	
Copper	44.	19,582	85,861
Copper Coher netals Other netals Ingots, brass, bronze and aluminium Ingots and bars, lead	44	85.240	
Ingots, brass, broase and aluminium	lb.	2,900,711	520 047
	10.	2,800,711	150,247
Opentity made	46	637,454	
Inks, printing and lithographing.	64	7,584,295	1,787,304
Inks, writing		-	380,995
Quantity made Inks, printing and lithographing. Inks, writing Inks, not specified.	-	-	5,304
Innersole board Insecticides, not specified Insulating materials Insulator pus and brackets Insulators, porcelnin	-	-	oon ned
Insertieldes, not specified			839,374 461,611
Insulator pips and brackets			34,439
Insulators, porcelnin	-		733,098
loame, resublined	lb.	6,265	28,771
iron, corrugated products		-	1,152,330
Iron, pig-	1 4	400, 020	
Quantity mnde Quantity sold Quantity mnde Quantity sold Qu	i. ton	420,038 139,620	2,613,511
Iron phosphide (ferm-phosphorus)		100,020	2,010,011
Froming boards		-	
Ironers, electric	No.	882	76,559
Ironers, electric Irons, flat, electric Iron, ornamental and architectural	2.6	138,045	260,200
Iron, ornamental and architectural		_	814,813
			20,777
lacks automobile			2,502
Jacks, automobile		20 750 200	3,962,430
Jacks, automobile Jacks, pump Janus	ib.	39,756,704	
Jacks, automobile Jacks, pump Jams Jawell water	lb.	0.0	
	lb.	2,648,826	289.501
	lb.	2,648,826	380,310 289,501 1,012,747
Jacks, automobile Jacks, pump Jane Jane Javelle water Jellies Jersey cloth, stockinette and tricolette. Jerseys Jerseys Jerseyy Jute and jute paddings.		0.0	289.501

Norm.—The asterisk (*) indicates that the commodity was reported by only one or two concerns

Item.	Unit of Measure.	Quantity.	Value.
			\$
Kegs, beer, etc. Kegs, fish Kegs, nail, etc.	No.	10,502	27,041 2,639
Kegs, nail, etc.	66	2,505 778,246	236,618
Kerosene. Kitchen equipment for hotels, caleteria, etc	Imp. gal.	39, 465, 559	4,130,082
Kitchen equipment for hotels, caleteria, etc	_		241,402 1,303,108
Kitchenware, aluminium. Kitchenware, other		_	1, 108, 826
Kleenex Knitted goods, miscellaneous, not elsewhere specified Knives, machine	_	-	
Knitted goods, miscellaneous, not elsewhere specified		-	725, 286 151, 733
relieves, machine			101,100
[abels, paper		-	51,250
Labels, woven		_	210, 127 414, 645
Laces, shoe Lacing, wire Lacing, wire Lacquers, nitrocellulose (pyroxylins) Lacquers, nitrocellulose (pyroxylins) Lacquers, steeks Ladders, step and extension Lamps, automobile Lamps, incandescent, except therapeutic— Standard size Miniature size Lamps, table and floor Lamps and lanterns Lamp shades	_	_	
Lacquers, nitrocellulose (pyroxylins)	gal.	593,232	1,368,513
Acrosse sticks	No.	20,350	51,943
adders, step and extension.		20,550	108,628
Lamps, automobile	_	-	242,062
Lamps, incandescent, except therapeutic—	No.	10 005 021	4 044 049
Miniature size	140.	18,205,931 7,255,194	4,044,243 655,015
Lamps, table and floor	-	-	70,301
Lamps and lanterns		-	83,469
Lamp stands	No.	80,885	375,787 279,593
Lard	lb.	54,367,701	5,308.037
Lamp shades Lamp stands Lard Lard Last blocks Lasts, trees and shoe findings, not elsewhere specified		-	440 000
lasts, trees and snoe indings, not eisewhere specined		-	462,309
Lathes, woodworking			
ath, metal			597,420
Ath, wood	M	230, 195	581,452 25,276
Lastes, trees and shoe findings, not elsewhere specified. Lathes, metal working Lathe, woodworking Lath, metal Lath, metal Lath, wood Laundry nets and cloths Laundry work Lead, antimonial Lead, arsenate Lead, refined (other than smelter products) Lead, white, basic carbonate, dry Lead, white, basic carbonate, in oil Lead, white, basic carbonate, in oil Lead, sheet.		999	13,650,523
[ead, untimonia]	lb.	3,369.012	150,849
Lord refined (other than unalter products)	46	237, 604	14.945
ead, red		201,001	14,540
Lead, white, basic carbonate, dry	lb.	6.739.567	397.785
Leud, white, basic carbonate, in oil	44	8,018 101 2,373,606	641,835 183,472
Lead, sheet Leads for pencils		2,010,000	403.912
oothor			
Belting leather	lb lb	187, 194 147, 254	109,425 28,569
Glove, trunk and pocketbook leather	sq.ft.	11,031,432	1,346,438
Harness leather	lb.	1,278,028	405.380
Bookbinders' leather Glove, trunk and pocketbook leather Harness leather Lace leather Oil tunned shoepack leather	Ib.	143,989	49.057
Sole leather	10,	140,989	33,071
Chrome	lb.	139,141	58.010
Hemlock Union and oak Splits Upholstering leuther	66	77,689	35,931
Splits		17,381,108	5,083,571
Upholstering leather		-	65,204
t pper leather—		7 007 505	0 000 040
Cuttle or horse hides	aq. ft.	7.987,525 13,812,985	2,203,943 2,205,780
Cattle or horse hides. Chrome splits. Gout skins. Patent and enamelled shoe leather.	14	6,798,644	464,076
Goat skins	£4 £4	2,444,764	410,486
	ш	8,372.975 8,051,788	1,529,977 625,696
Wax splits Leather splits, not specified Other leather, not specified enther, artificial, not clsewhere specified eather board eather board eather, tanned (custom work)		-	
Leather splits, not specified		-	157.974
Other leather, not specified.		-	206,476
Leather board	-	_	69.584
eather goods, not specified		-	410,414
Leather, tanned (custom work)	_		259,830
Leno and tarleton Lenses Life buoys and jackets		-	
7.7. 1	_		8,669

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
			5
Lightning rods and supplies		-	175.387
Lime, hydrated	ton	66,920	711,754
Lime, quick	64	279,508	2,064,984
Lime, hydrated Lime, quick Limestone, for building purposes Line material, light and power.		-	1,372,121
Linen and damask			
Linings, brake, asbestos. Linings, glove and shoe. Liqueurs, cordials, etc. Litharge Lithographing.	ft.	1,525,843	321,664
Linings, glove and shoe.	man.	2,000,010	115,774
Liqueurs, cordials, etc.	0000	-	9
Litharge	-	-	
Lithographing		-	7,805,311
	No.	26	1,897.493
Locamotive and car parts Lubricating systeme, automobile Lumber, matched Lumber, planed Lumber, sawn Lumber, not specified	_		1,857,116
Luchur metabad	M B. ft.	00 745	0.000.004
Lumber planed	M. B. R.	88,345	3,632,284
Lumber, sawn	46	148,743 2,497,553	5,936,305
Lumber, not specified	_	2,381,000	45,977,843 1,910,589
Lye	lb.	2,495,180	356, 226
Lye Macaroni and spaghetti, canned Macaroni, vernicelli, spaghetti, etc.	Case	150,742	463.397
Macaroni, vermicelli, spaghetti, etc	lb.	21,858,800	1,273,396
Machinery—			1,210,000
Adding machines		-	0
Bakers' machines. Bakers' machinery, not elsewhere specified.		-	60,990
Bakers machinery, not elsewhere specified	_	- 1	121,849
Baking machinery. Boot and shoe machines. Boring machines (woodworking). Bottlers' machinery. Canal and canal locks machinery.		-	
Position touching (woods orking)	No.	-	
Bottlers' machinery	NO.	22	8,323
Canal and canal backs machineev		-	
Canning machinery and parts			
Cheese factory machinery	B		
Canning machinery and parts Cheese factory machinery Clay working machinery Cleuning and pressing machinery Concrete and cement making machinery			
Cleaning and pressing machinery.			295.915
Concrete and cement making machinery			69.100
	No.	267	112,231
Confectioners' machinery Confectioners' machinery Flour and grist mill machinery, not elsewhere specified	-	**	
Flour and grist mill machinery, not elsewhere specified		- 1	353,568
Fog signalling machinery Grain cleaners		-	Po den
Grain grinders	-	-	72,998
Grain rolls			160,918 23,228
Grain rolls Grain elevator machinery Hoisting machinery, not elsewhere specified			299,055
Hoisting machinery, not elsewhere specified	_	_	686,546
lee-making machinery Industrial machinery sa Kantting machinery Laundry machinery Leather-working machinery, not elsewhere specified.	-	-	184,209
Industrial machinery, n s	weeks	- 1	666,851
Knitting machinery	The state of the s	-	0
Laundry machinery.	-		735,849
Leather-working machinery, not elsewhere specified	- 1	-	
Logging machinery Lumber and shingle drying machinery Metal working machinery, not elsewhere specified.	-	-	30,074
Metal working machinery not elsewhere energified	-		379.187
Milking machines			310,101
Milling machines			
Milling machines Milling outlers	_	_	
Mimeograph. Mining and metallurgical machinery, not elsewhere specified			
Mining and metallurgical machinery, not elsewhere specified	-		364.393
in renning and retrigerating equipment	-	- 1	
Packing house machinery	_		
Paint making machinery Pipe-cutting and threading machinery	-	-	9
Printing and threading machinery	_	-	00.000
Printing machinery Pulp and paper machinery Pulverized fuel machinery Road and excavating machinery			37,546
Pulverized fuel trachinery			872,173
Road and excavating machinery			83,769 868,315
Rolling mill machinery			000,313
Rubber mill machinery		-	259,803
Sawing, band, machines	-		36,180
Saw and planing mill machinery	-	0.0	147,035
Rolling mill machinery Rubber mill machinery Sawing, band, machines Saw and planing mill machinery Sewing machiners Sewing machinery and fittings Stanling muchinery			
Ships machinery and fittings	-	-	225,617
Stapung machinery		-	
Stapling machinery Stone-working machinery Syrup making machinery	-		
- syrup making machinery	_	-	

Note.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
Suchinery - Continued			\$
Textile machinery	_	_	
Textile machinery Transmission machinery. Vulcanizing machinery. Washing machinery. Washing machines, electric.	-	-	848,25
Vulcanizing machinery		-	
Washing machines, electric	No.	59,443 16,189	6,490,37
Washing machines other power		10, 199	331.73 96,34
Washing machines, telectric. Washing machines, thand Washing machines, other power. Washing machine parts. Well-drilling machinery, Woodworking machinery, not elsewhere specified. Machinery, not specified. Machinery parts, not specified.			90,01
Well-drilling machinery			25,28
Woodworking machinery, not elsewhere specified	_	-	143.08
Machinery, not specified.		-	686.56
Machinery parts, not specified	yd.	292,598	407,46 269,72
	yu.	202,000	2019, 22
ingnesite fult, made for sale fult extract and syrup fult products, other	bush.	4,978,981	3,342,02
lalt extract and syrup		-	771.34
dalt products, other		-	77.41
fantles, lamp. fanure spreaders faple butter	No.	710	82.95
Taple butter	ib.	71,279	10,34
laps farble, gut and polished, building and ornamental	-	-	4
farble, gut and polished, building and ornamental			1,312,60
farble chips and dust. Iarine and fishermen's supplies.	40110	-	5,5
	_	-	23,13
farking devices [atrindades [atch blocks and match splints [atchers and planers (woodworking). [atches [ats and matting, cocoa [ints and matting, rubber [ats, steel and wire [attress naterial [eatl affaifa.	lb.	10,637,405	1,104,83
latch blocks and match splints		10,001,100	4,109,00
latchers and planers (woodworking)	No.	6	18.35
atches	-		2,073,73
tats and matting, cocoa	lb.	0 007 700	245 41
ate stool and wire	ID.	2,097,722	345.4
nttresses	No.	530,673	3,259,30
fattress material		-	
		3.432	71.77
leal, corn	lb.	45,842,610	912,60
Ical Hax	lb.	199.445	7.49
feat oil cake	ton.	32,451	991,60
leal, pea.	lb.	158, 412	8.00
leal, rice	ton	2.730	37.23
tent, com. teal, flax teal, flax teal, oil cake teal, oil cake teal, pea. teal, rice teasures, wood teats, canned, all kinds teats, conded, all kinds	- 1	-	
lents, canned, all kinds	- 1	-	894,79
feats, cooked, all kindsleats, cured		-	5,935.4
Bacon and sides	lb.	46,929,231	9,856,33
Bacon and sides	64	2,474,827	218,50
Hams	46	24,432,416	4.641.4
Pork, salted	46	25,459,590	3,288,0
Shoulders Other	46	15,473,539 15,040,106	2,352,2
leats, sold fresh		13,040,100	2,386,3
Beef	lb.	340.938,711	33,149,7
leats, sold fresh— Beef Fancy ments, not specified.	9.5	3,275,160	205,3
Mutton and tamb	66	36,966,809	5,563,0
Pork		148,169,261	18,233,20 4,343,60
Veal Other	- 0	39,237,147 83,699	24,4
leats, pickled	14	644,020	106,0
cchanical work, including cranes, car unloaders, etc	2000	-	1,999.23
lechanical work, including cranes, car unloaders, etc		-	13,115,8
letal products, not specified			176,2
tentermas, patent mar propertied. letals, refined, not specified. letals, refined, not specified letals, perforated. leter parts		_	
leter parts			9.3
		13,749	207.1
leters, water lethyl hydrate, erude, 95 per cent lethyl hydrate, pure lica products		-	
lethyl hydrate, erude, 95 per cent	Imp. gal.	287,284	116.8
lethyl hydrate, pure			24 0
lira products Lierotomes			31,9
fierotomes	gal.	42,209,472	17,119.99
filk, buttermilk, sold filk, buttermilk, condensed	-	_	333,4
611 6	lb.	1,494,327	26.8

Norg.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1931-Continued.

Item.	Unit of Measure,	Quantity.	Value.
Milk, condensed milk. Milk, condensed skim milk. Milk, skim milk. Milk drinks (See "Food drinks.")	lb.	15,485,643 4,403,253	1,582,710 233,304 11,926
Minceneat	Jb.	45,970,060 2,746,415	3,523,910 273,075
Molasses Monuments, finished, lettered only Monuments and bases, limestone Mops and parts.	<u>вь.</u>	62,912,322	307,268 613,593 43,584 452,866
Motion pictures. Motion, electric, A.C. and D.C. (except starting motors)	ft.	22,734,618	872,966 3,401,627
Moulders, woodworking. Mouldings Mowers (hay) Mowers (hwn).	No.	8,340 32,110	55,377 1,324,227 511,392 228,670
Mucilage and paste. Mufis. Musical instruments, not elsewhere specified	No.	2,510	68,408 26,549 3,077
Musical instrument parts and accessories, not elsewhere specified. Musical instruments in process of manufacture. Mustard, dry. Mustard, prepared.	lb.	74,617 354,094	7,612 13,375 252,397
Nails and tacks, cut		554,002	121,871
Nails, horseshoe Nails, tacks and brads, wire— Quantity made Quantity sold	1b.	81,258,835 88,413,360 8,491,457	3,265,169
Quantity sold Naphtha V. M. and P. or solvent Neckties Neckwear, women's Neckwear, n.s.	Imp. gal.	533,092	771,453 2,513,301 249,686 11,080
Neck pieces, fur. Needles, machine Neverleak, radiator and boiler. Nightdresses	=		920, 282
Nitrogen Novelties, advertising Novelties, not specified Nuts, salted	Lb.	343,095	119.546 213,420 58,156
Oars and paddles	lb.	22,140,273	47,964 464,802
Oats, rolled Offal Oif burners and parts Oil cycke Oilcloth, other than floor.	No.	144, 629, 517 8, 716	5,224,467 1,870,109 583,072
Oil cicke Oilcloth, other than floor. Oil, cod. Oil, core.	lb,	4,171 674,500 186,534	116,328 64,411 138,515
Oil, corn, crude Oil, corn, refined. Oil, creasate and other oil	gal.	7,383,515	1,093,195
Oil, fruit Oil, fuel and gas.	Imp. gal.	428,753,431	14,040,427 3,775
Oil, lard Oil, lenther Oil, linseed, boiled Oil, linseed, raw	lb. gal.	970,313 2,567,618	635,478 1,700,823
Oil linseed, special Oil, lubricating Oil, cleo. Oil, olive	lb.	712,124 4.651,694	552,558 3,155,602 179,206
Oil, oilve. Oil, silk. Oils, light (benzol, etc.). Oil, stand blown or ename! Oil, terpenless	lb. Imp. gal. gal.	34,551 3,164,205 34,204	5.515 576.456 34,573

Note,-The asteriak (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
			8
Otto and Catalana Assettle			175,756
Oils and finishes, textile. Oils, sulphonated (including turkey red oil and neatsfoot).			207,293
Oils, sulphonated (incliding turkey red oil and heatsloot)			201,200
Oil, refined, not specified. Oils, other, not specified.			756,898
Ons, other, not specified	lan	323.147	634 748
One mine	gal. No.	63	634,748 598,356
Organs, pipe	44	161	23,729
Organs, recu			39,015
Oits, other, not specified. Oives. Organs, reed. Ornaments, not specified. Ovens, bakers' Ovens, electric. Ovens, electric.		-	241.241
Ovens, pakers			0.200
Oversille	doz.	212,134	9,200 2,858,700
Overalls Overalls, children's Oxygen	uoz.	42,406	336.835
Overalis, children 8	eu, ft.	120.326.797	1.169,526
Oxygen	Cu. Ib.	120,020,101	1.100,000
Packing, asbestos	ib.	297.041	144,983
Tacking, aspessos	417.	287, 104	59,227
Dada hans shoe		201,101	
Packing, rubber Pada, horse shoe Pads and mats, åsbestos Pads, couch and other Pads, scouring.			
Dada and mats, aspestos			78,617
Pade south and other			10/011
Tadis, scotting			10,393
Pads, stamp. Pads, swent Pails and tubs, wooden Paint, varnish and enamel removers. Paints, aluminium and gold.			158,171
Pads, sweat	_		274,714
Pails and tubs, wooden	1	49,445	100, 406
Paint, varnish and enamel removers	gal.	7.433	16,789
Paints, aluminium and gold	16		
	44	153,997	134, 432
Paints, mixed, ready for use	86	3,059,124	7,624,352 598,384
Paints, asphante and to use Paints, cold water Paints, cold water Paints, paste Paints, iron oxide dipping. Paints, varnishes and cetuents, coal tar Paints, not specified. Panel boards and cabinets.		8.715.672	098, 389 480, 005
Paints, paste	lb.	4,523,313	476,805
Paints, iron oxide dipping	gal.	69,934	93,281
Paints, varnishes and cements, coal tar	Imp. gul.	106.865	63,916
Paints, not specified	_	-	93,444
Panel boards and cabinets		-	. 835,697
Pants, men's-			
Woollen	doz.	93,680	2,684,425
Other	8.6	54.749	1,065,841
The state of the same of the s			
Pants and bloomers, boys'—	(6	32,347	428.042
Woollen	66	32,214	331,761
Other Pants and knickers, outing		00,614	216,984
Pants and knickers, outing			210,001
Pants and breeches, working—		00 100	1 070 030
Cotton. Woollen Pants, baby, rubber.	doz.	96,167	1,272,323 642,256
Woollen	44	32,149	042, 250
Pants, baby, rubber	41	89, 195	121.919
Poner			
Adding machine and cash register. Asbestos. Blotting.	_	- 1	38,725
Ashartos		_	
Riotting	_	_	
Book and writing paper-	- ton	28,567	3,795.038
Wood fibre, chief ingredient. Cover. Fine paper, not specified. Writing paper. Map, lithograph, woodcut, etc.	ton	28,507	92,823
Cover	66	2,775	431,451
Fine paper, not specified		6,110	5,613,951
Writing paper		1.150	221,910
Map, lithograph, woodcut, etc	ton	1.100	221,310
Building and roofing paper—			
Unsaturated felt	. ton	3.802	205,920
	rolls or		
Asphalt roofing	squares	982, 163	1,751,436
Asphalt roofing. Roofing and building paper and sheathings. Saturated felt. Carbon Carpet lining. Callophane, cut. Cigarette tubes. Couted. Corrugated. Corpe Dry transfers and decalcomania Foolscap, not elsewhere specified. Glassine.		-	1, 174, 156
Saturated felt	ton	11,237	821,639
Carbon	ream	34,301	427,333
Carpet lining			
Cellonhane, cut	. —	-	
Cigarette tubes	. —	-	
Conted	ton	6,746	1,401,312
Corrugated		-	186,934
Crene			
Dry transfers and decalcomania		-	230,507
Foolscap, not elsewhere specified		-	
Glassine	. —		
Guntaed	ton	1.943	443,702
GummedParchment	. 66	1,383	430,906

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Item.	Unit of Measure.	Quantity.	Value.
			8
Newsprint paper—			
Hanging papers	ton	5,501	368,933
la sheet, for printing.	61	22,278 2,197,623	368,933 1,187,301
la sheet, for printing In rolls, for printing Poster paper.	64	2,197,623	109,723,418 26,397
Other	64	1,353	113,588
Ser sitized		-	38,313
Other Ser stized Steneil Tissue Toilet	ton	5,412	881.869
Toilet	41	7,210	1, 295, 496
Wall paper	_		*
Wal piper Waterproof Wasel Wasping paper— Lag Logus or wood manila Urafit	lb.	14.998.373	2,178,076
Westpring paper—	10.	14.880,010	2,110,010
Talg	ton	4,787	504,432
logus or wood mania	46	4,947	474,346
Manila	16	53,574 2,419	5,170.975 284.747
Other wrapping paper	46	13,676	1,146,620
Kraft Mamla Other wrapping paper. Paper, miscellaneous, not elsewhere specified.	4E	-	1,001,076
abet taulid	ton	2.711	447,341
Coloured boards, all grades.	44	2.882	161.220
!lasr, kraft	£4 4£	4,429	241.510
Ministra, hned	16	6,869 15,310	382,145 555,753
Menting board		15,310	200,100
Is sted and index board Coloured boards, all grades [iser, kraft Maila, lined Mill wrappers Meaning board Falsat conted Sir whoard Te thoard Wall board Wholly from waste paper Wholly from wood pulp Combination board, not specified All other board aper forms, ruled and cheque paper "aper napkins and towels."	ton	13,190	1,035.292
Si: whoard		41.228	281 214
Wall board	ton	40.315	1,751,316 2,188,527
Wholly from waste paper	66	25,910	1,017,480
Wholly from wood pulp	44	18,123	784,983
All other board		8,983	1,189,046
aper forms, ruled and cheque paper		_	206.833
aper napkins and towels	4-40	-	224,000
apeteries, not specified			415,950
aste, flour		-	
'aste, meat		44	
aste, tooth		-	1.598.349
atterns and modes, logacry and other		_	412.654 570,676
'atterns, rug		-	
atterns, shoe	No.	308.977	143, 256 556, 768
'ennuts roasted and salted	lb.	4.168.428 5.175.828	703,135
'eas, split	- 14	2,277,505	57,450
'eavies, cant hooks and pike poles	_	-	83,894
eneils, ordinary lead		-	214.368
'encils, fancy	No.	357,852	317.357
aper nigkins and towels. aper nigkins and towels. aper transported to the state of the state o	_		24.780
Sens, fountain name	No.	434,822	978, 926 206, 475
'erculators, electric	No.	3,886	, 39,49
'ercolators, other		_	•
'erluines	NY-	965	561,770 19,118
'honograph cabinets	No.	952	17.52
honograph records	6.6	1,529,681	\$51,60
'honograph accessories, not specified	-	-	42,54
hoto-engraving			2.896.27
rerolators, other **erfumes** **lunnographs** *lunnograph cabinets. **lunnograph records* **lunnograph accessories, not specified. **lunnograph accessories, not specified. **lunnographic material, not olsewhere specified. **lunnographic mater	4140		613.38
Photography (commercial)	_	-	43.27
	_		77.28
Grand	No.	498	226, 55
Cliabilita			
Cirand, player, electric	-		
Grand Grand, player, electric. Upright Upright, player. Upright, player.	No.	2, 153	395,950 8,65

Note. The asterisk (*) indicates that the commodity was reported by only one or two concerns, 68937-71

Item.	Unit of Measure.	Quantity.	Value.
			8
Piaro actions			
Pinno, player, actions		-	
Piano and organ keys. Piano hammers. Piano strings. Pickets. Pickles, all kinds. Picture frames and moulding.		_	
Piano strings	_		9
Pickets	M	6,248	56.377
Pickles, all kinds	gal.	1,288,527	1,763,513
Piace goods not specified			438.701
Piece goods, not specified. Pies, cakes and pastry. Piling. Pillow cases, bureau runners, scarves, etc.		-	15,426,208
Piling	M lin. ft.	731	34,700 392,788
Pillow cases, bureau runners, scarves, etc	_	400.001	392, 785
Pillows Pins, plain and hair pins Pipe and fittings, cast iron soil Pipe and penstock, riveted steel. Pipe and fittings, cast iron, other Pipe, drain, cement. Pipe, lead Pipe and fittings, malleable iron Pipe, sewer, clay, including flue linings, copings, etc. Pipe, sewer and culvert, cement. Pipe, culvert, galyanized steel. Pipe and fittings, steel. Pipes and fittings, steel. Pipes wooden.	pr.	192, 234	369.195
Pipe and fittings, cast iron soil	1b.	21.644.478	679.932
Pipe and penstock, riveted steel	_		372.507
Pipe and fittings, cast iron, other	Ъ.	161,266,552	3.601.290
Pine level	lb.	4,200,667	82,684 307,603
Pipe and fittings, malleable iron	46	7,484,421	687.358
Pipe, sewer, clay, including flue linings, copings, etc	-	-	1,639,734
Pipe, sewer and culvert, cement		793	1,044,084
Pine and fittings steel	ton lb.	137,884,419	174.346 6,218,968
Pipes, wooden. Pipe, wrought iron, and fittings. Pipe, tobacco. Pipe (tobacco) cleaners. Piston rings, automobile. Piston rings, locomotive.	70.	701,001,110	261, 175
Pipe, wrought iron, and fittings	lb,	7,572,534	395.630
Pipes, tobucco			
Piston rings automobile	No.	447,064	100.563
Piston rings, locomotive	lb.	233, 865	27.66
	lb.	62,989,614	368.92
Planters, corn Plaster art castings Plate work, steel, miscellaneous Plates, boiler, and other Plates, boiler, and other	No.	197	5.1166
Plaster art castings		0.000	14,66:
Plates boiler and other	ton l. ton	9,903 18,795	1.040.332
Plates and sheets—	i. ton	10,100	2,010,002
Brass	lb.	3.448,910	
	44	479,189	1 000 040
Other matule	66	5.434,961 705,239	1,893,043
Plates, universal	1. ton	21,787	939,084
Copper Other metals Plates, universal Plate work, welded Plates, licence and name		-	*
Plates, licence and name		~*	173,581
Plating blanks		-	
Platinum, refined			
Plates, gaper Plating blanks Platinunt, refined Playground equipment		~	25,042
l'iouglis	No.	22,862	884,871
Plugs, rubber Plugs, wooden		_	
Plugs, wooden. Plumbers' supplies (rubber, brass and copper)		-	1,301,025
Plumbers' supplies (rubber, brass and copper). Plumbers' supplies, iron. Paeumatic tube systems and belt conveyors. Poles, wooden.	lb.	8, 133, 000	462,330
Pneumatic tube systems and belt conveyors		00 100	194 101
Polick furniture	No.	82,100	134,408 188,178
Polish, metal		-	97,243
Polish, shoe		- 1	306,531
Polish, stove		-	137,961
Polishes and waxes, floor		~	723,248 41,296
Coles, Wooden Colish, furniture Polish, netal Polish, sloe Polish, stove Colishes and waxes, floor Colishes and dressings, automobile Polishes and dressings, not specified Dulshers floor electric		_	12,820
Polishers, floor, electric. Popeors. Posts, wooden Posts, poles and piles of cement.	No.	5,029	20.699
opeorn	lb.	807,541	249,850
Posts, wooden		-	30.527
	łb.	23.334	76.096
Pot scourers.		-0.00	
Pottery, glazed or unglazed			257, 125
Pottery from imported clay	11-	7.547.244	1.850,701
Powder, buking	lb.	9,624,054	2,010.312
Pot scourers Pottery, glazed or unglazed Pottery from imported clay Poultry, sold fresh Powder, buking Powder, buttermik Powder, canno	All	1,043,493	56.707
Powder, creum. Powder, custard, pudding, icing, etc.	44	36.903	18,648
			109.65

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Item.	Unit of Measure.	Quantity.	Value,
			\$
Powder, ice-cream and ice-cream mix	1000	-	31.840
Powder, jelly	lb.	5,422,220	949,906
Powder, jelly Powder, junket Powder, lactic	lb.		
Powder milk Powder, malted milk Powder, orangewde and lemonade	lb.	2,412,621	477.215
Powder, malted milk	44	502,180	85,948
Powder, orangeade and lemonade			5,372
Powder, skim milk	66	12,978,428	1,089,141
Powders, edible, not specified		- 1	43,748
Powder, orangeade and temonage Powder, protein milk Powder, skim milk Powders, edible, not specified. Powder, paste Powder, sachet Powder, taleum and face Powder thouse equipment, not elsewhere specified.	-	-	
Powder, talcum and face	-		1,243,847
Power house equipment, not elsewhere specified		- 1	
Press cloths Presses, hydraulic and other Pressure systems Printing, commercial Printing and painting on textile fabrics	_		12.314
Presses, hydraulic and other		- 1	10.406
Printing, commercial		_	36,742,965
Printing and painting on textile fabrica	- 1	-	
Propellers and propeller shafts			AE 679 00A
Propellers and propeller shafts. Publications, subscription and sales of. Puddings. Pulleys, wood		-	15.672,229 151,449
Pulleys, wood		-	7.027
	No.	293	4.174
Pulp, fruit. Pulp and puree, tomato and tomato juice	lb.	1.415,320	123,622 696,253
Pulpstones, artificial			090, 200
Pulpstones, artificial Pulpwood	cord	616.639	6,976,453
Pulp, wood—			
Ground wood— Quantity made	ton	2.016.480	
Quantity sold		194.397	4.440.856
2001a fibre—		0.000	
Quantity made. Quantity sold	ton	8,667 8,667	433.350
Sulphate fibre—		9,001	400,000
Quantity made	46	E36.489	_
Quantity sold Sulphite fibre, bleached—	46	69.894	4.123,452
Quantity made	ton	301.357	
Quantity sold Sulphite fibre, unbleached—	66	278.425	15,592,737
Sulphite fibre, unbleached—	44	210.000	
Quantity sold	44	640,222 155,850	5.748.885
Screening -		100,000	0,110,000
Quantity made	64	64.745	-
Quantity sold		37.427	437,410
Pumps, centrifugal	No.	46,176	522,082 517,114
Pumps, hand Pumps, piston, steam Pumps, piston, other power. Pumps, vacuum and condensation	*****		69, 268
Pumps, piston, other power	46	1.111	278,590
Pumps, vacuum and condensation	46	1,429	90,076 19,740
Pumps, wooden Pumps, gasolene handling	46	4,410	814,105
Pumps, not specified. Punches and sheurs, metal-working Purses, pecket-books and folders. Putty and other fillers.		-	3,650
Punches and shears, metal-working	64	98	31,422
Putty and other fillers	lb.	5, 121, 164	254, 153 196, 047
Pyjamas, all kinds	dos.	129,693	1,743,325
Quilts and quilted goods	_	-	
Racquets, badminton and squash	No.	28, 175	97,495
Racquets, tennis	46	41,033	175,062
Parlintum automobile	46	34,874	332,555
Radiators, heating, concealed type Radiators, heating, direct type Radio sets, tubes and necessories.			1.907,440
Radio sets, tubes and accessories	_	_	17.255,746
Hadio calinets and tables	No.	242,023	1,906,282
Rail anchors Rail welding parts.	_	-	
Rails, O.H. steel—			
Quantity made	l. ton	140, 145	**
Quantity sold	-	135,975	6,238,208

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Item.	Unit of Measure.	Quantity.	Value.
			S
Railway angle splice bars and fish plates		-	591.407
Railway car ends, steel, and springs Railway frogs, switches and other track equipment Railway car and conch fittings, bearings, etc.			0000 000
Railway frogs, switches and other track equipment	_		296,605 1,813,942
Railway tie plates—			1,010,946
Quantity made	1. ton	30,402	_
Quantity sold	16	31,661	1.691.098
Rakes, hand	No.	130,068	55,637
Rezura colaty		_	
Reapers and threshers.		-	835,665
Recorders, time.		~	
Railway tie plates— Quantity made Quantity made Quantity sold. Rakes, hand Razor blades Razors, safety Remers and threshers Remorders, time Rectifiers for storage battery charging Reels, garden hose Refrigerators, electric Refrigerators, other Regalia, all kinds Registers, account	No.	804	34.694
Refrigerators electric		_	2.788.917
Refrigerators, other	_	-	1,194,025
Regulia, all kinds.	No.	-	237,336
Registers, account.	76.7	4 405	1 000 000
Regula, all kinds Registers, account. Registers, cash. Registers and grills, air Remedies, stock and poultry Rennet extract. Repair patches, gums, etc. (automobile) Ribbons Rive, cleuned, etc. Riiles Riings and loops, brush and mop Rings, rutber, fruit jar Robes, carriage and automobile Rods	IVO.	4.465	1.096,389 162,626
Remedies, stock and poultry			353,966
Rennet extract		-	*
Repair patches, gums, etc. (automobile)		-	671,600
Ribbans	A	15.117	1.282.416
Ridas	ton	10.117	1,282,410
Rings and loops, brush and mop.			
Rings, rubber, fruit jar	_	-	40 000
Robes, carriage and automobile			18.927
Reass	lb.	3,249,807	
Bronze	41	634.487	2,495,585
Copper	- 46	18, 491, 444	
Brass. Bronze Copper Other metals Rods, spike, bolt, nut, etc.		5,909]	
Rods, wire			
Owantity made	1. ton	78,133	-
Quantity sold.	16	18,839	726.442
Roll covering, rubber	lb. No.	322,294 2,377	39.382 88.062
Rollers, rand and rand packers	lb.	305,861	209,496
Rolls, rubber covered	=	-	85,982
Roofing preparations, p.e.s.	11		219.549
Rope	lb,	7,938,997	1,128,207 174,496
Rubbur wedermad			112,700
Rubber goods, dipped		-	
Rubber goods, mechanical		-	65,466
Rubber goods, moulded	lb.	299,444 210,304	151,904 35,505
Rubber goods, sort and sponge		210,304	106.952
Rods, wire Quantity made. Quantity sold Roll covering, rubber Rollers, land and land packers. Rollers, printers. Rollers, printers. Rollers, printers. Rollers, printers. Rollers, printers. Rollers, printers. Roller, printers. Roller, printers. Roller, Rollers, printers. Roller, Roller, Rollers, preparations, p.e.s. Rope. Rubber, hard Rubber goods, dipped. Rubber goods, dipped. Rubber goods, mechanical Rubber goods, mechanical Rubber goods, not specified Ruber, steel Rugs, automobile Rules, steel		-	65,362
Rules, steel Rules, wooden Ruling (pinting plants).	- April 1	- 111 -	
Rules, wooden	1 -	_	34,511 474,374
	_		414,014
Saddles Saddlery accessories and parts Saturate and fittings	No.	1,482	14,936
Saddlery accessories and parts	-	-	7.144
Sales, vaults and fittings		-	389,918
Sails, all kinds	ton	259.047	37,988 1,904,149
Salts, galvanizing and plating		-	
Sanders (woodworking)	No.	50	41,385
Sandwich relish and spread.	gal.	35,287	149,857
Sanitary ware			2.673,797 11,862,461
Sash steel	_	-	484,674
Snshweights	-	-	
	gal.	1,646,590	3,283,511 235,370
Sauces, catsups and relishes			2339 371
Saddlery accessories and parts Sales, vaults and fittings Sails, sail kinds Sailt. Sailt. Sailts, galvanizing and plating Sanders (woodworking) Sandwich relish and spread. Sanitary ware Sash, doors and millwork Sash, steel. Sash, steel. Sashweights. Sauces, catsups and relishes. Sauces, catsups and relishes.	. lb.	4,142,684	082 201
Sauces, catsups and relishes Saucage cesings Sausage (resh or cured	lb.	38, 396, 833	982,297 5,672,317
Sauces, catsups and relishes Sausage cosings Sausage, fresh or cured Sawdust Saws, all kinds	lb.	-	982, 297 5, 672, 317 26, 278 749, 928

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Item.	Unit of Measure.	Quantity.	Value.
Saw parts and saw outfits	_	-	157, 169
Saw parts and saw outfits Sawmill products, not specified. Scales. Scares. School supplies, rot specified.			18,229
Scales	No.	7,394	806,078 425,167
Scarves	dos.	41,190	920,100
crap, metal			81,436
erap, iron and steel		-	830,350
screens, door and window		-	221,05
screws and screw machine products	No.	3.092	1,313,651 49,523
Southers	440.	3,082	20,000
Sonla		-	13,883
Seats, toilet	No.	~	
Seeders, horse, power and hand.	_	-	440 700
Service station equipment (automobile)		-	1,746,57
Shades, window, shade cloth and nitings			1,130,01
dianers and jointers, woodworking	No.	73	45,633
scrap, iron and steel. Screens, door and window Screws and screw machine products Scufflers. Scythes. Seals. Seats, toilet Seaders, horse, power and hand. Service station equipment (automobile). Shanks, window, shade cloth and fittings Shanks, shoe. Shapers and jointers, woodworking Shapers, metal-working.	_	-	
Shawls Sheeting, fabric Sheeting, rubber, hospital Sheeting, rubber, crib Sheet ing ware, not elsewhere specified Sheet in ware, not elsewhere specified Sheet metal building materials, not elsewhere specified Sheets allyanized. Sheets, galvanized. Sheets, iron and steel (No. 14 and thinner) Shellars. Shellars, corn Shielars, dress Shims, railrosd and other Shingles wooden Shingles, sabestos. Shingles, composition Shipplantding—	-	-	23.35
Sheeting, fabric	yd.	451.404	411,31 187,92
Sheeting, rubber, nospital	ya.	401,404	23.81
Sheet iron ware, not elsewhere specified.		-	155,63
heet metal building materials, not elsewhere specified		-	1,284.81
Sheet metal products, not elsewhere specified		40 700	725,73
Sheets, galvanized	l. ton	42,599	3,255.65
Sheets, from and steel (No. 14 and thinner)		_	364.90
Shellers corn		-	9
Shields, dress	dog.	38.623	93.02
hims, railroad and other	No.	2,518,348	66.80
Shingle bands and shingle covers	M	1,624,350	43.77 3.340.77
Shingles, Wooden	DVL.	1,027,000	0.030,11
Shingles, composition	square	382,042	2,031,99
Shipbuilding—			
Steel vessels	No.	9	2,451,55
Wooden vessels		38	402,57 570,25
Paneire to respect			4,960,92
thirty fine cotton	doz.	458,817	5, 135, 65
Shirts, fine, silk and artificial silk	44	34.638	441.74
Shirts, fine, dress	46	9.592	175.14
Shirts, work	14	322,080 63,688	2,662,17 325,83
Smrts and blouses, for boys		90,900	33.26
thock absorbary automobile		_	00120
holdy, murgo and wool extract	-	-	550, 61
Shoe supplies, not elsewhere specified	_		4,09
hooks, box	-	-	3,211,98
Shortening, from slaughtering establishments—	lb.	9,833,973	936,36
Containing no animal (at	61	49 993 478	4.861,04
Shortening, from miscellaneous food industries	66	17,849,891	1,689,04
Shorts and middlings	ton	287,586	4,576,4
shot			
Shovels, power		-	67,4
Signals, train	-	-	11,7
hybuitding— Steel vessels. Wooden vessels. Wooden vessels. Hepairs to vessels. hirts, fine, cotton. hirts, fine, silk and artificial silk. hirts, fine, silk and artificial silk. hirts, sine, dress. hirts, and blouses, for boys. hirts, not specified. hock absorbers, automobile. thoddy, mungo and wool extract. thoe supplies, not elsewhere specified. hooks, box. hortening, from slaughtering establishments— Containing animal fat. Containing animal fat. thortening, from miscellaneous food isdustries. shorts and middlings. shot. hovels, power brinking of textile fabrics. signals, train. signals, olectric. signals train. signals, olectric.	_	-	1,081,6
signs, brass and other metal	NY	00"	221.0
ignals, train signs, brass and other metal signs, brass and other metal signs, post specified signs, not specified silven carbide silven carbide silven proad, all real silven silven proad, artificial silven silven proad, artificial silven silven proad, not specified silven proad, artificial silven silven proad, not specified silven proad, not specified silven proad, not specified silven proad, not specified	No.	695	191,9 122,0
Mgns, not specified			1,084.9
iilk broad all real ailk	yd.	8,657,612	6,469,2
Silk, brond, real silk, mixed	44 ,	2.869.866	2,367,1
Silk, broad, artificial silk and artificial silk mixed	10	4,950,480	3,064,9
Silk, broad, not specified	lb.	693.292	47,4 790,1
Silk knitted goods, artificial, not elsewhere specified	ID.	083,292	790,1
Silver, refined.		-	
Silver nitrate. Size	lb.	6,576	28,99
	63	5,107,516	130,7

Note.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantîty.	Value.
			e
Skates	_	_	424,247
Skewers. Skiis. Skins, calf.		-	
Skiis.	pr.	35.557	87,272
Skine choop	No.	318.840 767,313	345,495
Skins, sheep, pickled Skins, sheep, pickled Skins, not specified, ruw and dressed	doz.	31.099	376,607 80,121
Skins, not specified, raw and dressed	uos.	31,000	394,560
Skirts-			707,000
Silk. Artificial silk.	doz.	2.947	84,774 64,228
Artificial silk	56 56	3.675	64,228
Woollen	16	11,919	300.472
Other. Skirts and bloomers. Slabs and edgings. Sledges. Sledges.	66	532 6,560	5,335
Slabs and edgings	cord	326, 220	80,682 793,059
Sledges		020,220	4 90 , 000
Sleighs. Sleighs, children's. Slicers, meat and bread Slippers, cloth and carpet—	No.	1.226	69.072
Sleighs, children's	66	104,491	91,476
Sheers, meat and bread	46	339	58,619
Babies'		60.344	00 POS
Boys'	pr.	34,572	28.521 30,492
Children's	16	153,678	84,096
Men's	66	141.552	140.917
Wamen's	66	1,104,853	733 581
Slippers, not specified	66	34,639	44,708
Smelter and refinery products		_	44.708 98.565,755 315.289 197.788
Smocks, overall inckets or smocks	doz.	23,916	315,289
Smocks, not specified	NT.	24, 136	197,788
Smokers' safe	No.	52	29,391
Smokestacks, steel			30,166
Children's. Men's. Wamen's. Slippers, not specified. Smelter and refinery products. Smocks, overall inckets or smocks. Smocks, not specified. Smoke breechings. Smokers' sets. Smokers' sets. Smokerstacks, steel. Snaths, scytlie. Snow shoes.			
		~	
Soap-	11	440 400 400	
Household and laundry soap and chips	lb.	116,175,993	7,462,274
Liquid soap	_		66,067
Powder		_	1,217.520
Soft	lb.	1.368,247	86,349
Textile soap	44	2,064,872	153,854
Toilet soap	66	27,248.775	4.509,052
Textile soap Toilet soap Hard soap, not specified Soap and soap stock, kind not specified.	11-	2 070 200	479,369
	lb.	3,076,506	176,683
Sodium bisulphate (nitre cake). Sodium bisulphite, liquid Sodium carbonate. Sodium cyanide Sodium lydroxide Sodium hydroxide Sodium hypoeldorite.	lb,	54, 465, 238	412,499
Sodium bisulphite, liquid		-	#
Sodium carbonate		-	1.067,070
Sodium cyanide		-	
Sodium hydroxide		-	
Sodium subhata (Clunbow's salt)			
Sodium sulphate (salt cake)			30,852
Sodium hypoddorite Sodium sulphate (Glauber's salt). Sodium sulphate (salt cake) Sodier Soliter sulbhare	lb.	2,235.221	398,378
Exhibit, 1000e1			
Rubber and composition soles	pr.	4,638,346	812, 475
Rubber and composition half-soles	lb.	908, 187	184,038
Solar lauther and heal lifts nos	10.	1,353,607	279,951
Soles felt and other (insoles)			121,416
Soup, canned	case	1,085,107	31,223 3,497,760
Spndes and shovels		-	
Rubber and composition nair-soles Soling and slabs for heels Soles, leather, and heel lifts, n.e.s. Soles, felt and other (insoles). Soup, canned Spndes and shovels. Spark plugs. Spark Spark	-	-	
Spires mind whole or mound		1	1 004 010
Snikes railway	l. ton	8,670	1.294.312 606,522
Spinning and weaving	8. COII	0.010	000,022
Spars pugs Spars Spices, mixed, whole or ground Spikes, rnilway Spinning and weaving Spinning wheels Spools, bobbins and shuttles. Spoolwood		_	4,900
Spools, bobbins and shuttles		-	443.618
Spoolwood		-	447.442
Sportswear, n.e.s.	-	-	30.536
Sporting goods, not specified		-	205, 126
Sprayers nower	No.	586	85.280
Spools, boodins and studies. Spoolwood. Sportswear, n.e.s. Sporting goods, not specified. Sprayers, hand. Sprayers, power. Sprayers, not specified.		400	4,998
77 771 4 1 1 4 1 1 4 1 4 1 4 1 4 1 4 1 4		E. III II	

Note.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
Suring automobile		-	\$ 1,116,988
Springs, automobile. Springs, hed, box. Springs, bed, woven wire and coil. Springs, bed, not specified. Springs, steel, wire.	No.	6,223	101,776
Springs, bed, woven wire and coil.	ed .	17,144	57.595
Springs, bed, not specified	4.6	267,479	1.219.102
Springs, steel, wire	-	-	622,778
Springs, upholstering Stains Stairs, iron. Stannpings, metal, not elsewhere specified. Stamps, rubber	gal.	346,383	49, 497 563, 682
Stairs iron	. (6,011)	- 010.000	494,164
Stampings, metal, not elsewhere specified	-	-	739,346
Stamps, rubber	No.	215,111	178,564
Stamps, steel	**	19,144	45,468 126,858
Stamps, steel Stamps and dies, not specified. Stands, humno-couch.	_	_	120,000
Staples wife—			
Quantity made	lb.	3,675,672	-
Quantity sold Starch, corn, edible	44	3.814,520	146,011
Starch, corn, edible			
Starch and flour notate			
Stationery goods of all kinds		-	1,661.552
Starch, corn, laundry Starch and flour, potato Stationery goods of all kinds, Statues and church supplies. Staves, barrel.		-	239,979
Staves, barrel	_		447, 286
	lb.	1,096,108	114.040 62,617
Steel cold rolled and cold drawn	10.	1,000,100	02,017
Stearinc Steel, cold rolled and cold drawn Steel, mesh Steel, structural, fabricated for bridges and buildings.	_	-	
Steel, structural, fabricated for bridges and buildings	_	-	11,004,312
Steel, reinforcing		-	0.4 800
Steereis Stereis Stereis Stereis Stokers, mechanical Stoker parts. Stone books, steel Stone books, steel Stone books, steel Stone books, steel Stooks, benches and cabinets.			34.508 441.822
Stokers mechanical		-	324,905
Stoker parts		-	74,587
Stone, artificial		-	824,056
Stone boots, steel	_	-	
Stools, benches and cabinets,			41.236
Store fixtures, not specified. Stove and furnace pipe.		_	411,694
Stoves			
Coal and wood	No.	101.413	3,229,823
Electric	64	32,809	2,104,831
Stars novte not alcombon specified		_	1.543,887 658,644
Strang legther	_	-	27,288
Straws, soda	-	-	•
Gas and other Gas and other Stove parts, not elsewhere specified Strape, leather Strape, seather Straws, soda Sugar butter Sugar, granulated—	lb.	527.589	45,116
Beet	66	107, 139, 129	
Sugar, granuarea— Beet Cane. Sugar, invert. Sugar, grape.	"	785.988,821	39,246,357
Sugar, invert			
Sugar, maple	lb.	3,461,755	553,874
Sugar, maple Sugar of milk Sugar, soft Suits, boys'—	66	125, 179	7,779
Sugar, soft	44	105,011,362	4,092,612
Suits, boys'-	den	91, 111	692,099
	dog.	33, 499	1,790,090
Woollen Other, not specified		00,400	487,618
Suits, men's			
Suits, men's — Woollen. Other, n.s. Suits, women's nnd misses' — Silk nnd rrtificial silk	dos.	79,099	15,662,443 580,456
Suits, women's and misses'-	,		
Silk and crtificial silk	doz.	388	34,250
Woollen Other, not specified Suits, knitted Suits, ski and snow-shoe Superheaters	46	10, 248	1, 206, 529
Suite briefad	dos.	55, 204	54,921 1,927,535
Suits, ski and snow-shoe	_	-	43, 165
Superheaters	No.	66	273.935
Superphosphate	lb,	59,674,842	750, 150
Surcingles	No.	34	41,817
Superplosphate Surcingles Surfacers, woodworking Surgicers, and surgical dressings—	140.	94	41,517
Surgical bandages	gr.	7,830	72.524
Surgical belts	No.	18,349	47,450
Surgical stockings, elastic	M	11,118	29,449

Nors.-The asterisk (*) indicates that the commodity was reported by only one or two concerns

Surgical and orthopaedic appliances etc.—concluded Surgical and orthopaedic appliances etc.—concluded Surgical apportune and suppressories. - 78,630 Surgical dressings. - - 358,748 Orthopaedic corsets. pp. 435 5,730 Artificial limbs. - -				
Surgical and orthopsedic appliances etc.	Item.	of	Quantity.	Value,
Surgical and orthopaedic appliances etcconcluded - - - - - - - - -		ara Diagram C.		
Surgical and orthopaedic appliances etcconcluded - - - - - - - - -				8
Syring, corn	Surgical and orthopaedic appliances etc.—concluded			
Syring, corn	Surgical supporters and suspensories.	_	-	
Syring, corn	Surgical dressings		400	358,748
Syring, corn	Agrificial limbs	pr.	435	5,730
Syring, corn	Orthonsedic supports trusses etc			
Syring, corn	Foot easers, arch supports, heel cushions, etc.	_	_	
Syring, corn	Surgical and orthopaedic appliances, not specified	_		29.206
Syring, corn	Suspenders, supporters and garters		-	
Syring, corn	Swathers	_	~	
Syring, corn	Sweaters, jackets, etc		-	4,504,547
Syring, corn	Sweeping compounds		-	82,685
Syring, corn	Switch your and protective equipment (except telephone ewitch		-	5,998
Syring, corn	Switch gear and protective equipment (except telephone switch-			4 000 959
Table cloths and napkins	Syringes, fountain and attachments			
Table cloths and napkins	Syrup, corp.		_	*
Table cloths and napkins	Syrup, fountain and fruit juices	_	-	1,693,276
Table cloths and napkins	Syrup, maple (factory made)	gal,		406.446
Table cloths and napkins	Syrups, table	64		
Table cloths and napkins	Syrups, from cane	lb.	5,556,705	194,046
Tapes, paper	Takes alole and making			
Tapes, paper	Tableta broppe			11 094
Tapes, paper	Tags and labels naper			11,202
Tapes, paper	Taga and checks, metal			
Tapes, paper	Tailors' supplies, including canvas fronts, pads, etc	_	_	381,505
Tapes, paper	Tallow	lb.		879,290
Tapes, paper	Tankage, animal	66	19,224,417	224,118
Tapes, paper	Tanks, gasolene and oil		-	1,576,192
Tapes, paper	Tanks, pressure	_	-	209,470
Tapes, paper	Tanks, steel and steel plate	_	~	
Tapes, paper	Tanks, storage, not specified		~	662,723
Tapes, paper	Tano rubbor and friction	lb.	756 110	
Tar. refined, road tar, tarvis, etc. Tar. plended, etc. Teleptione material Tenoners and mortisers, woodworking. To binners, pyroxylin Theral, cotton. Thread, cotton. Thread and twist, silk and artificial silk Ties, sawn. Tile, alundum. Tile, alundum. Tile, alundum. Tile, alundum. Tile, oroing, and hollow blocks. Tile, rooing, and hollow blocks. T	Tane paper	10.	100,118	
Tar. refined, road tar, tarvis, etc. Tar. plended, etc. Teleptione material Tenoners and mortisers, woodworking. To binners, pyroxylin Theral, cotton. Thread, cotton. Thread and twist, silk and artificial silk Ties, sawn. Tile, alundum. Tile, alundum. Tile, alundum. Tile, alundum. Tile, oroing, and hollow blocks. Tile, rooing, and hollow blocks. T	Tapes, cotton		_	
Tar. refined, road tar, tarvis, etc. Tar. plended, etc. Teleptione material Tenoners and mortisers, woodworking. To binners, pyroxylin Theral, cotton. Thread, cotton. Thread and twist, silk and artificial silk Ties, sawn. Tile, alundum. Tile, alundum. Tile, alundum. Tile, alundum. Tile, oroing, and hollow blocks. Tile, rooing, and hollow blocks. T	Tapes, measuring	_		9
Tar. refined, road tar, tarvis, etc. Tar. plended, etc. Teleptione material Tenoners and mortisers, woodworking. To binners, pyroxylin Theral, cotton. Thread, cotton. Thread and twist, silk and artificial silk Ties, sawn. Tile, alundum. Tile, alundum. Tile, alundum. Tile, alundum. Tile, oroing, and hollow blocks. Tile, rooing, and hollow blocks. T	Tapestries	yd.	473,224	242,707
Tar. refined, road tar, tarvis, etc. Tar. plended, etc. Teleptione material Tenoners and mortisers, woodworking. To binners, pyroxylin Theral, cotton. Thread, cotton. Thread and twist, silk and artificial silk Ties, sawn. Tile, alundum. Tile, alundum. Tile, alundum. Tile, alundum. Tile, oroing, and hollow blocks. Tile, rooing, and hollow blocks. T	Tapioca, granulated			
Tar. refined, road tar, tarvis, etc. Tar. plended, etc. Teleptione material Tenoners and mortisers, woodworking. To binners, pyroxylin Theral, cotton. Thread, cotton. Thread and twist, silk and artificial silk Ties, sawn. Tile, alundum. Tile, alundum. Tile, alundum. Tile, alundum. Tile, oroing, and hollow blocks. Tile, rooing, and hollow blocks. T	Taps, brass	No.		
Tires and tubes	Tar, crude	Imp. gal.		1,435,557
Tires and tubes	Too blooded ata	gar.		11 511 742
Tires and tubes	Telephone material	10.	27,710,471	11,011,140
Tires and tubes	Tenoners and mortisers, woodworking	No.	26	22 724
Tires and tubes	Tents	0.00		415.324
Tires and tubes	Thermits	_	-	*
Tires and tubes	Thinners, pyroxylin		-	
Tires and tubes	Thread, cotton	_	-	3,206,216
Tires and tubes	Thread and twist, silk and artificial silk	_	-	72,562
Tires and tubes	Tite abushum	_	-	1,553,002
Tires and tubes	Tile drain	No	10 510	398 410
Tires and tubes	Tile floor	140.		
Tires and tubes	Tile, roofing and hollow blocks		_	
Tires and tubes	Tiling and sheet flooring, rubber	lb.	730.835	
Tires and tubes	Timbers, mine	M ft.	1,364	29,943
Tires and tubes	Tin (from serap)	lb.	91,740	25.737
Tires and tubes	Tin plate			
Tires and tubes	Tinsel garlands and ribbons	0100	0.00	76,267
Tires and tubes	Tinware, inpanned or not	116	10 614 404	591,339
Balloon, casings No. 2,030,530 15,149,580 Balloon, inner tubes "1,696,715 2,284,106 High-pressure, casings "544,626 7,497,488 High-pressure, inner tubes "594,583 908,887 Bicycle tires "594,583 908,887 Bicycle tubes No. 186,271 81,846 Other solid tires and tubes 97,112 97,112	Tric land and	ID.	10,014,484	3,407,800
Other solid tires and tubes — 97.112	Ralloon cusines	No	2 030 530	15 140 590
Other solid tires and tubes — 97.112	Bulloon inner tubes	440.	1 696 715	2 284 106
Other solid tires and tubes — 97.112	High-pressure, casings.	44	544.626	7, 497, 488
Other solid tires and tubes — 97.112	High-pressure, inner tubes	64	594,583	908.887
Other solid tires and tubes — 97.112	Bieyele tires	-	-	
Other solid lires and tubes — — 97.112 Tires, railway car — No. 124.593 173,137	Bicycle tubes	No.	186,271	
Toasters, electric. No. 124.593 173,137	Other solid tires and tubes	_	-	97.112
Tousiers, electric	Trees, railway car.,	NIO	104 502	172 102
	Louisters, electric	140.	124,095	175,137

Norz.—The asterisk (*) indicates that the commodity was reported by only one or two concerns,

Item.	Unit of Measure.	Quantity	Value.
Tobacco			\$
Chewing, cut and twist Chewing, plug Smoking, leaf Smoking, cut Smoking, cut Smoking, cut	lb.	217,841	212.803
Chewing, plug	4.0	3,609,996	3,187,918 143,721
Smoking, leaf	66	692,276	143,721
Smoking, cut	46	16,170,088	18,350,526
Smoking, plug. Smoking, twist. Snuff. Stems and cuttings. Tolonco, leaf, dried, cured and packed. Tologgans and parts.	96	1,580,967	1,596,109
Smot	66	4,792 926,381	4,603
Stems and cuttings	-	0,00,004	1,192,309 12,766
Tobacco, leaf, dried, cured and packed	lb.	518,135	113,126
Toboggans and parts	- 1		45,078
Tollet preparantions, n.e.s.:— Brilliantine, oily and liquid. Compacts and lipsticks. Creams, solid or liquid, all kinds. Tollet waters and lotions. All other. Tollet systems, chemical. Telletwayer, sterling silver. Tools, pneumatic. Tools, machine. Tools, other, not specified. Tools, other, not specified. Toothjpicks. Tow.			04.000
Brilliantine, oily and liquid			64,922
Cranus solid or liquid all kinds			355,507 916,663
Tollet waters and lotions		-	799,124
All other	_		1,208,585
Toilet systems, chemical		-	
Tolletware, sterling silver			
Tools, pneumatic,			
Tools, machine not aregified		_	1,183,379
Toothnieks		- 1	1,100,073
Tow	ton	1,299	41.390
Tow Towelling		-	201,267
			444 444
Face cloths Towels, not specified. Towels, sanitary.	dos.	332,359	193,423
Towels, not specified	GOS,	3.32,009	752,390 1,255,390
Toys—			1,200,000
A . :	*****	-	
Toy furniture		-	32,153
Toy vehicles, including coasters, velocipedes, etc	-	-	469,547
Toys, wooden			244,774
Cast from Toy furniture Toy vehicles, including coasters, velocipedes, etc. Toys, wooden Miscellaneous toys, not specified Tractors, steam, gasolene, etc. Transformers and parts. Transmission towers, electric Transmission towers, electric	-		18,834
Transformers and parts.	energ .	-	5,020,826
Transmission towers, electric	ton	12,134	1.274.070
Traps and fittings, lead	lb.	645,739	275,317
Traps, game	-	-	
Trays, display			28,656 83,859
Troughs		_	815
Traps and httngs, lead. Traps, game Trays, display. Trinnings, not specified. Troughs. Trucks, factory and other hand trucks.	-	_	88.397
		69, 199	435,412
Trussers		-	
Trussers Trussers Trussers Tubus, collapsible and other Tubes, vacuum, X-ray tubes, vapour lamps, glower lamps, etc	No.	3,320,427	0 407 500
Tubics, vacuum, A-ray tubes, vapour namps, glower ramps, etc	140.	0,040,941	2,407,566
Tuling atoul		-	
Tubing and wristing, knitted	440		18,281
Tube, icc-cream and butter	_	- 1	
Tubes, vacuum, X-ray tubes, vapour lamps, glower lamps, etc Tubing, steel. Tubing, and wristing, knitted. Tubs, ice-creum and butter. Turbines and waterwheels. Turpentine. Twipe, binder	-	-	1,013,582
Turpentine		-	
Twine, binder—	lb.	8,234.178	644.912
All sign! Chiefly sisal. Other, including chiefly manila.	44	36,809,256	2,695,868
Other, including chiefly manila	46	12,082,456	972,732
		007 000	445 004
All flax and all hemp	lb.	695,077	137,073
Twing and cardage not specified		1,516,909	264,241 495,904
Type and type metal	1b.	3,065,283	274.483
All cotton and all jute Twine and cordage, not specified Type and type metal Typesetting (trade composition) Typewriter ribbons		-	693, 164
Typewriter ribbons	dos.	80,234	245,550
Typewriters	-	-	
Controlles and ports	4007		430.044
Umbrellas and parts		-	278,937
Underwear—			
et 1 - tt - missel combination	dos.	295,961	2,456,445
Cotton and cotton mixed, separate	- 4	767.387	2,774,273
Cotton and cotton mixed, combanion. Cotton and cotton mixed, separate. Cotton and cotton mixed, n.s. Merino and mixed, combination. Merino and mixed, separate.	- 64	193.449 67,618	1,032,534 943,252
Merino and mixed acparate	66	69.515	555,815
mental and animal proposition of the second			000,010

Note. - The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
			8
Underwear—concluded Silk or silk mixed, combination	dos.	3,935	77,855
Silk or silk mixed, combination. Silk or silk mixed, separate. Silk, n.s. Artificial silk and mixtures, combination.	44	136,705	706,896
Silk, n.s.	- 14	28,362	364,328
Artificial silk and mixtures, combination	14	80,633	704, 183
Artificial silk, separate Artificial silk and mixtures, n.s. All wool and mixtures, combination. All wool and mixtures, separate.	46	505, 439	2,601,640
All wood and mixtures combination	46	79,596 68,024	442,485 879,879
All wool and mixtures, separate	16	122,339	1,079,392
	44	83,045	784,325
Not specified		* 0.70	333,685
Uniforms, Woolien,	doz.	1,989 12,806	449,275 268,059
Not specified Uniforms, woollen Uniforms, hospital and nurses' Uniforms, other	-	12,500	191.272
Vulves, bross and bronze		~-	993,755
Valves, iron		- 1	742,604
Valves, not specified			81,411
Valves, iron Valves, not specified Varnishes Vaults, burial	gal.	1,449,305	2,562,326
		-	
Asparagus	case	21,548	124.688
Beans, baked	64	874.305	2,359,545
Beans, baked	44	252,056	498, 690
Beets. Carrots. Corn.	46	24, 158 2, 607	63.055
Corn	44	1.396,529	7,373 2,362,772
Peas	46	1,142,834	1,969,699
Pumpkin	46	47.449	81,614-
Spinach	64	35,741 2,193,297	92.158
Other not specified	44	1,425	3,380.083 3,454.
Corn. Pens. Pumpkin. Spinach. Tomatoes. Other, not specified. Vegetables, evaporated, not specified. Veneer and plywood. Ventilstors, unit. Vests, woollen. Vests, other, n.s.			0,1000
Vencer and plywood	M surf. ft.	67,607	2.040,198
Ventilators, unit	3	0.000	00.010
Vests, Woollen	doz.	2,367	89,252 37,341
Vinegar—			01,041
Spirit	gal.	■8,076,736	1,081,233
Cider	46	704.537	126, 838
Malt		276.237	122.047
Waffles. Wagons, complete (See also "Carriages and wagons")	76.7	~00	40 00*
Wagons, complete (See also "Carriages and wagons")	No.	786	63,287
Wagon and sleigh parts	_	-	41.279
Wall board, gypsum and other	_		1,736,009
Wagons, dump. Wagon and sleigh parts Wall board, gypsum and other. Wall plaster, gypsum.	ton	19,851	246.582
Wall texture	No.	292,330	87,015
Washboards	l.ton	327	44.926
Washers, iron Washers, leather Washers and gaskets, other Washing compounds Waste, cotton and jute.	doz.	246, 171	12,091
Washers and gaskets, other	****	110	3.277
Washing compounds	-	**	256,003
Waste, cotton and jute		_	473,857 12,147
Waste shoddy and rags not specified			527, 122
Waste, sawmill and other wood waste	_	-	163,830
Waste, wool Waste, shoddy and rags, not specified. Waste, sawmill and other wood waste Watches and watch cases.	-	-	435,686
Waterglass		-	17 470
Water garated			15,476 12,533,132
Waters, mineral, natural	_	_	140,730
Waterproofing of fabrics	lb.	10,097,478	368,686
Waterproofing of fabrics.		01	
Waterproofing of fabrics. Wax and candles. Wax products, not specified.	_		
Wax and condies. Wax and condies. Wax products, not specified. Wax, sealing. Weatherstrip.		_	151.076
Watches and watch cases Water, last liled Water, aerated Water, aerated Waters, mineral, natural Waterproofing of fabrics. Wax and candles. Wax products, not specified. Wax, sealing. Weatherstrip. Westbring, elastic and non-elastic.	-	-	151,076 1,457,247
Waterproofing of fabrics. Wax and candles. Wax products, not specified. Wax, sealing. Weatherstrip. Webbing, elastic and non-elastic. Yebbing, jute and other.	= = =		1,457,247 69,003
Waterproofing of fabrics. Wax and candles. Wax products, not specified. Wax, sealing. Weatherstrip. Webbing, elastic and non-elastic. Webbing, jute and other. Wecelers. Wecet killer. Welding apparatus with control equipment and accessories.	- - - -		151,076 1,457,247 69,003 25,181

Norz.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure,	Quantity.	Value.
			\$
Welt, fender Welting, good/year Wheelbarrows and parts.	yd.	3,477,683	124,019 83,000
Wheels, automobile Wheels, rniway ear Wheels, not specified	No.	198,015	2,457,989 13,925
Welting, goodlyear. Wheels, automobile. Wheels, railway car. Wheels, railway car. Wheels, not specified. Whips and whip lashes. Whiskies and other potable spirits, produced. Whiskies and other potable spirits, bottled or shipped.	pr. gal.	4.954,123 3,494,421	16,226 2,449,161 12,925,428
Whisks	dos.	48,840	82,379
Whisks. White, satin. Windmills. Wine, fermented, bottled or shipped. Wine produced and placed in storage for maturing.	No. gal.	3,499,881 3,205,334	30,605 3,457,625 1,381,372
Wine, medicated. Wine, not specified. Wiping cloths and rags.	_		50,006 6,279 478,381
Wire, barbod		8,743,437 12,466,120	376.291
Wire, brass.	lb.	429,100	30.714
Quantity made Quantity sold Wire, brass Wire, cold rolled flat Wire, steel, galvanized— Quantity mude Quantity sold Wire, coated, n.e.s— Quantity made	lb.	62,579,211	010 040
Quantity sold,	44	26,344,303	853,049
Quantity made Quantity sold, Wire, plain—		8,030,749 6,877,448	305,660
Briss. Bronze. Copper	lb.	148,739 85,404	115,531
Copper Steel		121,884 42,556,818	1,446,997
Copper Steel Wire rope and cable, steel. Wires and cables, electrical. Wire, gold filled and alloys. Wire, the steel of th	4.	11,460,873	1,666,010 11,298,750
Wire, gold tilled and alloys	-		51,966
Wire and wire goods, not specified	_	-	16,360 830,827
Wire cloth, copper, brass and bronze. Wire cloth, iron and steel, inc. screen cloth. Wire mesh.	_		604, 259
Wire netting-	lb.	26,000,000 26,000,000	229.710
Wire shapes, garment bangers, baskets, shades, etc	- 1	-	184,633 54,031
Quantity made Quantity sold. Wire shapes, garment hangers, baskets, shades, etc Wirework, iron. Wiring devices, not elsewhere specified. Wooden products, not specified. Wood flour Woodenware, kitchen. Woodenware, not specified.		-	1,008,489
Wooden products, not specified	_	600	573,783
Woodenware, kitchen	_		84, 179 82, 635
Wood preservation Wood turning, not specified		-	142.871
Woodwork sanitary			129,507 2,249
Wool, raw		-	64,427
All wool woollen	7/6	3,211,418 2,135,788 542,511	3,956,064 3,623,139 247,433
Flannels.	46	-	12,710
All wool, worsted Wool and cotton mixed Flannels Cotton warp woollen Velours and plushes Not specified	46	436,365 980,532	161,028 1,588,012 49,946
Not specified. Woo llen and worsted goods, not specified.	_	-	580,961
Wrenches and spanners Wringers, clothes	-		•
Yarn, made for sale— Cotton, bleached and dyed. Cotton, grey. Cotton, not specified. Hemp and flax. Merino.	lb.	1,849,652 12,912,928	814,298 3,591,053 156,632
Cotton, not specified	_		29,082
Merino	- 1	-	134,354

Note.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Item.	Unit of Measure.	Quantity.	Value.
Yarn, made for sale—concluded Silk and artificial silk. Woollen. Worsted. Not specified. Yenst and yeast food.	lb.	5,446,291 4,474,982	\$ 4,055,203 2,648,629 3,836,002 624,286 2,593,570
Zinc (other than smelter products). Zinc products, not specified.	lb.	2,025,004	83, 124 39, 346
Manufactured food products, packaged only	_	-	660,103
Custom work and repair— Vegetable products group		_	2,279
Animal products group.			454,227 2,140,096
Wood and paper products group		-	1,959,350
Iron and its products group. Non-ferrous metal products group.		_	37,928,531 1,366,673
Non-metallic mineral products group			17,452
Chemicals and chemical products group		-	48,503
Miscellaneous industries group		-	770,947
All other products, not specified—			
Vegetable products group	_		1,440,645
Animal products group			924,552
Textile products group.			545,682 4,897,095
Wood and paper products group Iron and its products group			21,669,486
Non-ferrous metal products group.			1.683.001
Non-metallic mineral products group			1,668,974
Chemicals and chemical products group			1,975,182
Miscellaneous industries group.	-		971, 994
Products which were reported by only one or two firms and for which figures cannot be shown separately	_		101,229,092
Total of all products		15	2,698,461,862

Nors.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

CANADA

LIST OF PUBLICATIONS, CENSUS OF MANUFACTURES, DOMINION BUREAU OF STATISTICS

Manufactures

- (1) General—General Summary for Canada, also for the Provinces and Leading Cities—(industrial groups classified by component materials, purposes, etc., of products—comparative statistics): Alphabetical List of Products in Canada (Annual Report); The Quantity of Manufacuring Production in Canada, 1923-1929.
- (2) Manufactures of Vegetable Products—General Report. Annual Bulletins as follows: (a) Coffee, Tea and Spices; (b) Fruit and Vegetable Preparations, including, canning, evaporating and preserving and Pickles, Sauces, Vinegar and Cider; (c) Flour and Grist Mill Products; (d) Bread and other Bakery Products; (e) Biscuits, Confectionery, Cocoa and Chocolate; (f) Macaroni and Vermicelli; (g) Liquors, Distilled; (h) Liquors, Malt; (i) Liquors, Vinous; (j) Rubber Goods and Rubber Boots and Shoes; (k) Starch and Glucose; (l) Sugar Refineries; (m) Tobacco Products; (n) Linseed Oil and Oil Cake; (o) The Canned Foods Industry; (p) Ice Cream; (q) Pack of Fruits and Vegetables (Preliminary); (r) Barley and Its Production; (s) Mixed Feed Trade in Canada; (t) Seed Sales and Carryover.
- (3) Animal Products and their Manufactures—Annual Reports and Bulletins as follows: (a) The Dairy Factory Industry; (b) Slaughtering and Meat Packing and Allied Industries; (c) Fish and Fish Products; (d) Leather Tanneries; (e) Harness and Saddlery, Leather Belting, Trunks and Valises, Miscellaneous Leather Goods; (f) Leather Boots and Shoes, Leather Boot and Shoe Findings; (g) Leather Gloves and Mitts; (h) Fur Goods, Fur Dressing; (i) Monthly Report on Boot and Shoe Production; (j) Monthly Report on Concentrated Milk Products.
- (4) Textile and Allied Industries—General Report. Annual Bulletins as follows:
 (a) Cotton Textiles (cloth, yarn, thread and waste); (b) Woollen Textiles (cloth, yarn, waste, carpets, etc., and woollen goods, n.e.s.); (c) The Silk Industry; (d) Clothing, Men's Factory; (e) Clothing, Women's Factory; (f) Hats and Caps; (g) Hosiery and Knitted Goods; (h) Men's Furnishings, n.e.s.; (i) Oiled Clothing and Waterproofs; (j) Cordage, Rope and Twine; (k) Corsets; (l) Cotton and Jute Bags; (m) Dycing, Cleaning and Laundry Work; (n) dyeing and finishing of textiles; (o) Production and Distribution of Raw Wool in Canada, 1931.
- (5) Manufactures of Forestry Products—Printed Annual Reports as follows: (1) The Lumber Industry; (2) The Pulp and Paper Industry; (3) Wood-Using Industries; (4) Paper-Using Industries. Mimeographed Preliminary Reports, as follows: (a) The Lumber Industry; (b) Lumber Distribution in Canada and the United States (biennial); (c) The Pulp and Paper Industry; (d) Planing Mills, Sash and Door Factories; (e) Hardwood Flooring; (f) Furniture; (g) Boxes, Baskets and Crates; (h) Carriages, Wagons and Sleighs; (i) Cooperage; (j) Coffins and Caskets; (k) Sporting Goods; (l) Boatbuilding; (m) Lasts, Trees and Shoe Findings; (n) Handles, Spools and Wood-turning; (o) Woodenware; (p) Excelsior, (q) Miscellaneous Wood-Using Industries; (r) Printing and Publishing; (s) Printing and Bookbinding; (l) Lithographing; (u) Engraving, Stereotyping and Electrotyping—Blueprinting; (v) Trade Composition; (w) Paper Boxes and Bags; (x) Stationery and Euvelopes; (y) Roofing Paper, Wallboard, etc.; (z) Miscellaneous Paper Goods. Monthly Report on Asphalt Roofing Production.

- (6) Iron and Steel and their Products—General Report. Annual Bulletins as follows: (a) Pig Iron and Ferro-Alloys; (b) Steel and Rolled Products; (c) Castings and Forgings; (d) Agricultural Implements; (e) Boilers and Engines; (f) Machinery; (g) Automobiles; (h) Automobile Accessories; (i) Bicycles; (j) Railway Rolling Stock; (k) Wire and Wire Goods; (l) Sheet Metal Products; (m) Hardware and Tools; (n) Miscellaneous Iron and Steel Products. Monthly Reports on (a) Iron and Steel, (b) Automobile Statistics.
- (7) Manufactures of Non-Ferrous Metals—General Report. Annual Bulletins as follows: (a) Aluminium Ware; (b) Brass and Copper Products; (c) Lead, Tin and Zinc Products; (d) Manufactures of the Precious Metals; (c) Electrical Apparatus and Supplies; (f) Miscellaneous Non-Ferrous Metal Goods.
- (8) Manufactures of the Non-Metallic Minerals—General Report. Annual Bulletins as follows: (a) Aerated Waters; (b) Asbestos and Allied Products; (c) Cement; (d) Cement Products; (e) Coke and By-Products; (f) Gas, Illuminating and Fuel; (g) Glass (blown, cut, ornamental, etc.); (h) Lime; (i) Petroleum Products; (j) Products from Domestic Clays; (k) Products from Imported Clays; (l) Salt; (m) Sand-Lime Brick; (n) Stone, Monumental and Ornamental; (o) Miscellaneous Non-Metallic Mineral Products, including (1) Artificial Abrasives, (2) Abrasive Products, (3) Artificial Graphite and Electrodes, (4) Gypsum Products, (5) Mica Products, (6) Miscellaneous Mon-Metallic Products, n.c.s.; (p) Report on the consumption of Coke by Industries in Canada.
- (9) Chemicals and Allied Products—General Report. Annual Bulletins as follows:

 (a) Coal Tar and Its Products;
 (b) Acids, Alkalies, Salts and Compressed
 Gases;
 (c) Explosives, Ammunition, Fireworks and Matches;
 (d) Fertilizers;
 (e) Medicinal and Pharmaceutical Preparations;
 (f) Paints, Pigments and Varnishes;
 (g) Soaps, Washing Compounds and Toilet Preparations;
 (h) Inks, Dyes and Colours;
 (i) Wood Distillates and Extracts;
 (j) Miscellaneous Chemical Industries (including adhesives, baking powder, boiler compounds, celluloid products, flavouring extracts, insecticides, polishes and dressings, sweeping compounds, etc.).

 Special Report on The Fertilizer Trade in Canada.
- (10) Miscellaneous Manufactures—General Report. Annual Bulletins as follows: (a) Brooms, Brushes and Mops; (b) Muscial Instruments (including pianos, organs and phonographs) and Muscial Instrument Materials and Parts; (c) Buttons; (d) Bed springs and Mattresses.

Electrical Stations

(a) Annual Report on Central Electric Stations in Canada; (b) Report on Index Numbers of Electric Light Rates; (c) Monthly Report on Electric Energy Generated—included in Monthly Review of Business Statistics.

Construction

Building Permits-Monthly and Annual Record.



