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REPORT
on the
MANUFACTURING STATISTICS
of the
PROVINCE OF QUEBEC
1928

Ottawa,

Published by Authority of the Hon. James Malcolm, M.P.,
Minister of Trade and Commerce

OTTAWA
1930

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C A N A D A

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

 Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.
 Chief, Census of Industry: J. G. Macpherson

MANUFACTURES OF QUEBEC

1928

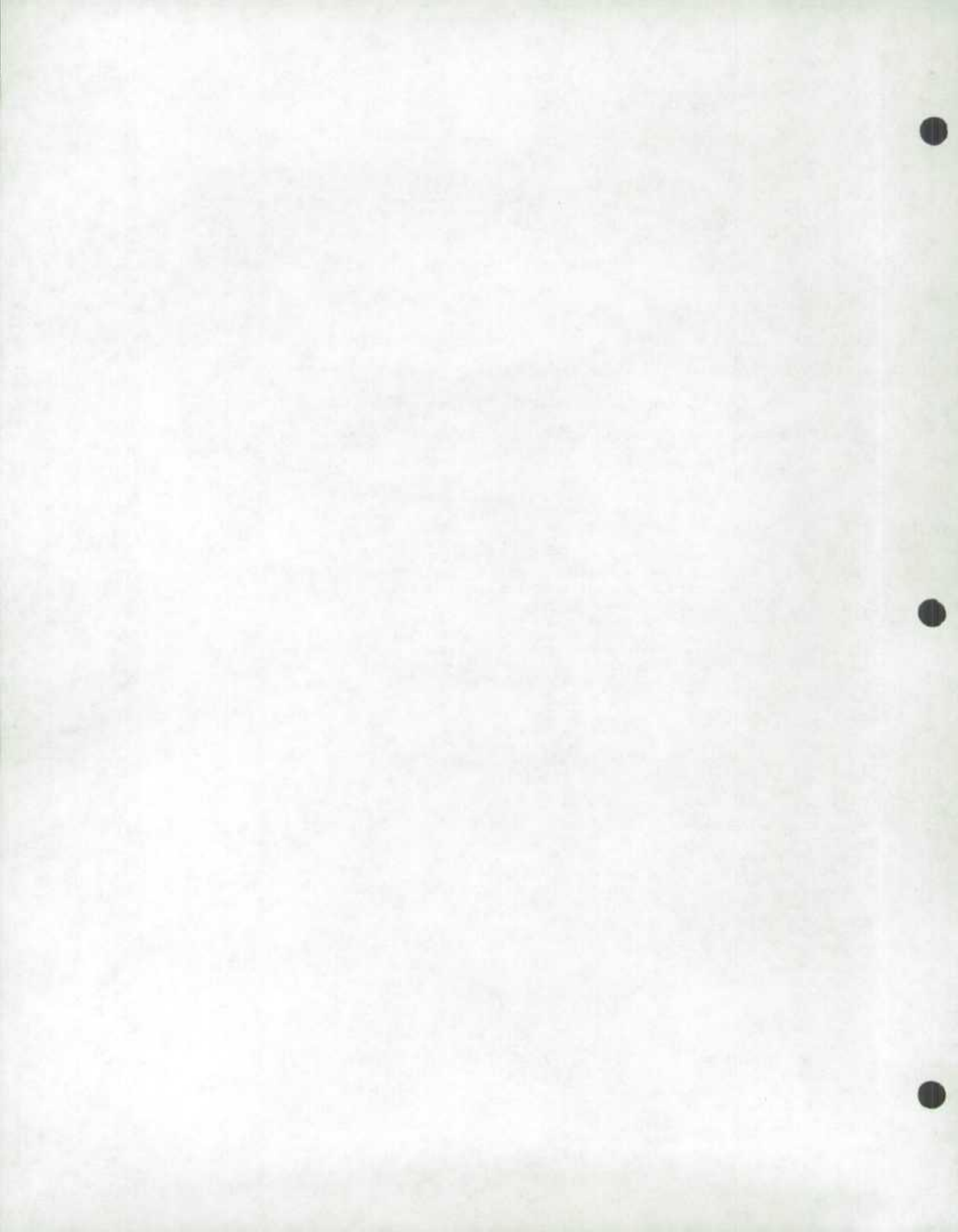
Ottawa, May - 1930.- A report on the manufacturing industries of the Province of Quebec is herewith presented for the calendar year 1928. A comparison of the principal industrial statistics for the years 1927 and 1928 is given in the summary table following and also the increase or decrease in each of the principal statistical items.

Other tables of the report dealing with the principal phases of industrial activity appear in the following order:

- Table 1. Forty leading industries of the province of Quebec, 1928.
- Table 2. Principal statistics by groups of industries, 1927 and 1928.
- Table 3. Principal statistics of industries in each group, 1928.
- Table 4. Capital invested by groups of industries, 1928.
- Table 5. Employees, salaries and wages, 1928.
- Table 6. Fuel consumption by groups of industries, 1928.
- Table 7. Power installation by groups of industries, 1928.
- Table 8. Principal Statistics of the cities and towns of the province in order of value of production, 1928.

Principal Statistics, Province of Quebec, compared 1927 and 1928.

Principal Statistics		1927	1928	Increase + Decrease -
Establishments reporting	No.	7,206	7,231	+ 25
Capital invested	\$	1,376,654,019	1,583,350,884	+ 206,696,865
Employees on salaries -				
Male	No.	18,969	20,109	+ 1,140
Female	No.	4,782	5,137	+ 355
Total salaries	\$	45,886,411	49,485,152	+ 4,598,741
Employees on wages -				
Male	No.	125,519	131,279	+ 5,760
Female	No.	46,824	48,434	+ 1,610
Total wages	\$	157,838,586	168,402,329	+ 10,563,743
Outside piece workers -				
Male	No.	105	121	+ 16
Female	No.	480	221	- 259
Total amount paid	\$	239,288	230,743	- 8,545
Cost of fuel	\$	16,471,746	17,320,310	+ 848,564
Primary power equipment	H.P.	2,227,384	2,538,646	+ 311,262
Cost of materials	\$	474,361,396	510,580,872	+ 36,219,476
Gross value of products	\$	990,582,995	1,073,162,291	+ 82,579,296
Net value of products	\$	516,221,599	562,581,419	+ 46,359,820



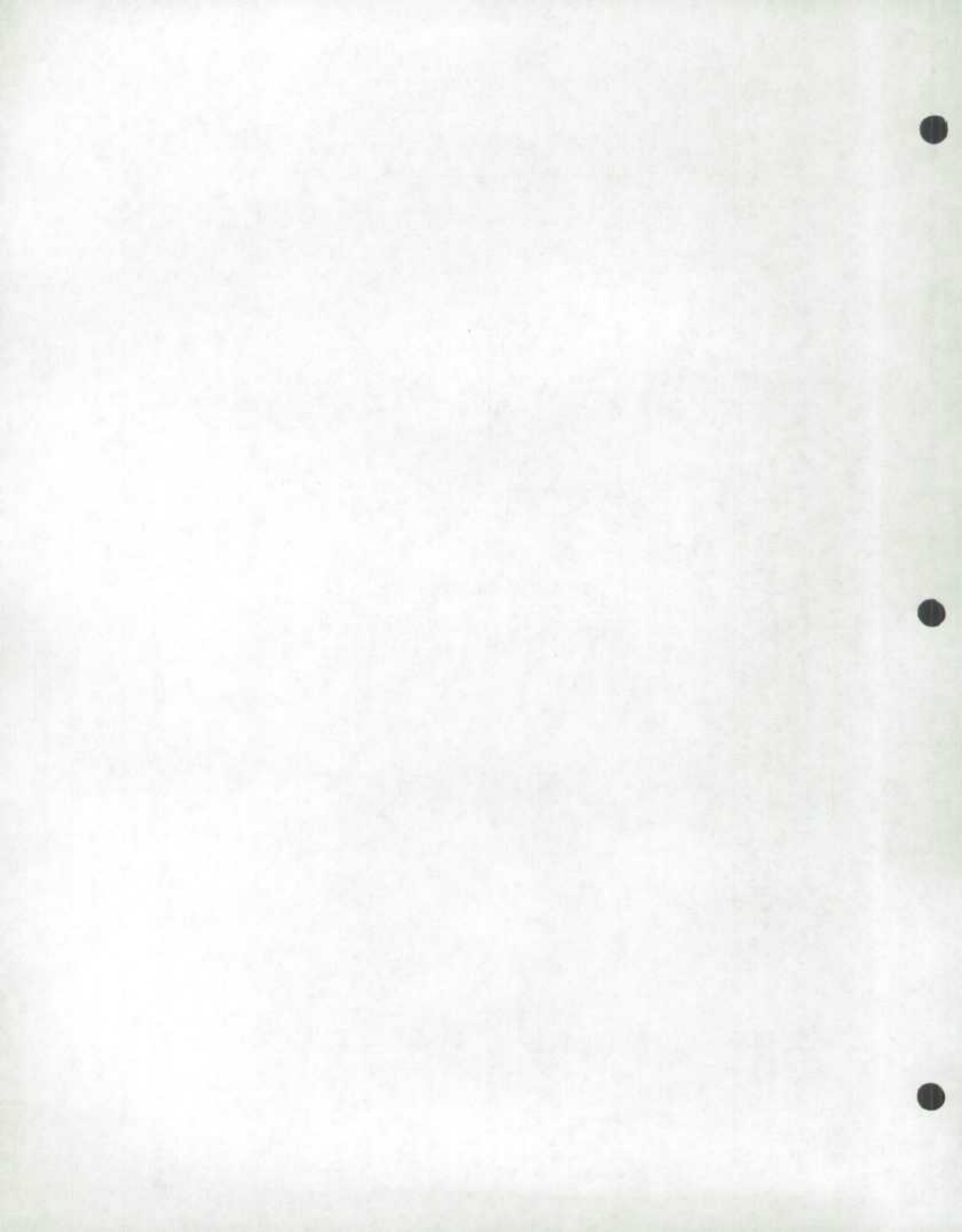
MANUFACTURES OF QUEBEC, 1928.

Forty Leading Industries of Quebec

The principal statistics of the forty leading industries of the province of Quebec are presented in Table 1, for the calendar year 1928. The leading industry of Quebec in 1928 in point of production was that of pulp and paper, with the cotton yarn and cloth industry in second place and the cigar and cigarette industry in third place. In capital investment, the pulp and paper industry leads with the electric light and power industry second and cotton yarn and cloth third. The forty industries represented 79.10 per cent of the total number of establishments reported for the province whilst capital investment was 86.34 per cent, employees 81.67 per cent, salaries and wages 81.95 per cent, cost of materials 82.13 per cent and value of production 82.80 per cent.

Table 1. Forty Leading Industries of the Province of Quebec, 1928.

I n d u s t r i e s	Estab- lish- ments	Capital	Employees	Salaries and Wages	Cost of Materials	Value of Products
	No.		No.	\$	\$	\$
Pulp and paper	50	376,351,076	17,743	24,578,601	48,262,196	127,223,217
Cotton yarn and cloth	17	63,828,483	14,435	11,645,259	32,251,365	56,545,069
Cigars and cigarettes	41	31,749,668	5,548	5,158,741	16,219,372	53,324,554
Electric light and power	148	371,750,195	3,912	5,437,762	6,859,708	43,032,444
Railway rolling stock	10	42,745,458	11,699	17,053,862	23,398,384	41,620,368
Butter and cheese	1,400	8,192,991	2,193	1,256,547	25,569,662	31,784,255
Clothing, men's, factory	142	16,547,134	7,125	7,428,282	16,215,373	30,162,782
Boots and shoes, leather	117	18,416,466	9,611	9,178,711	15,617,786	29,630,773
Flour and feed mills	364	10,296,741	1,077	1,206,634	25,246,346	29,338,759
Clothing, women's, factory	196	10,590,955	6,399	6,457,195	16,023,968	27,314,966
Sawmill products	1,041	37,688,780	9,974	4,946,130	18,158,418	27,173,297
Slaughtering and meatpacking	17	8,655,335	1,947	2,227,611	19,613,433	25,245,993
Non-ferrous metal smelting	3	34,046,722	1,796	2,545,817	6,894,559	21,963,876
Breweries	8	20,294,481	1,678	2,126,031	6,773,926	21,542,886
Electrical apparatus and supplies	17	24,220,711	5,921	7,356,905	9,337,957	20,792,119
Rubber goods including footwear	12	11,451,850	5,362	4,625,139	6,811,318	20,267,854
Bread and other bakery products	835	13,233,720	4,380	4,569,736	10,067,733	19,514,222
Castings and forgings	72	25,661,190	4,883	5,757,130	7,927,198	18,378,848
Machinery	29	23,580,667	4,133	5,568,666	7,575,335	17,248,748
Printing and publishing	62	15,279,128	4,107	5,603,582	3,943,967	16,049,026

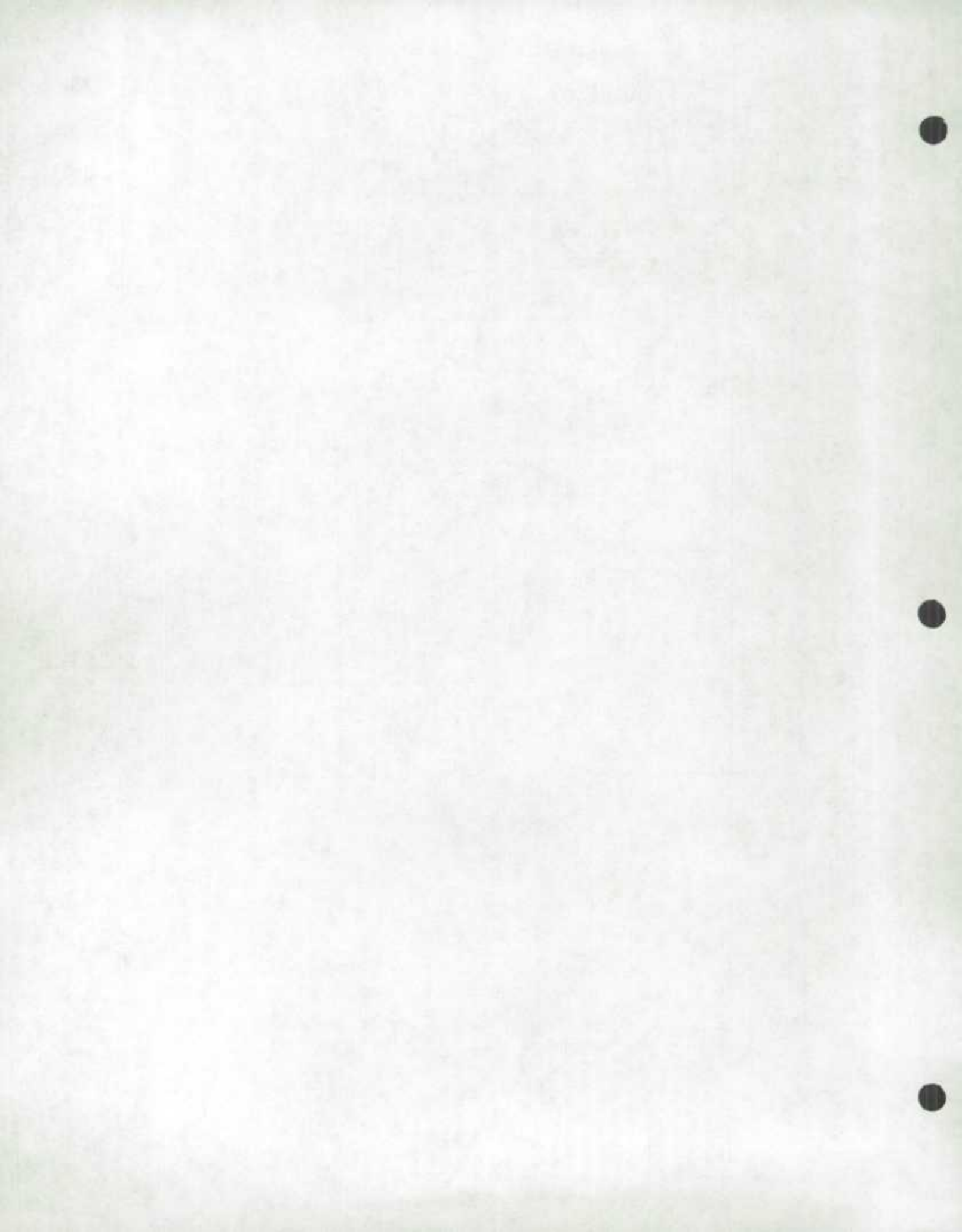


MANUFACTURES OF QUEBEC, 1928.

Forty Leading Industries of Quebec - Concluded.

Industries	Estab- lish- ments No.	Capital \$	Employees No.	Salaries and Wages \$	Cost of Materials \$	Value of Products \$
Acids, alkalies, salts and compressed gases	9	15,198,453	939	1,203,318	9,928,989	15,939,731
Distilleries	7	16,121,529	623	846,562	3,371,496	15,268,267
Biscuits, confectionery, cocoa and chocolate	49	11,874,419	3,461	2,846,248	7,580,505	14,743,227
Petroleum products	5	12,475,081	905	1,396,765	10,338,794	14,690,859
Tobacco, chewing, smoking and snuff	29	9,473,098	1,788	1,708,784	5,241,147	14,455,623
Hosiery, knit goods and fabric gloves	38	12,771,067	4,068	3,139,482	7,572,381	13,496,411
Planing mill products	291	12,883,573	2,983	2,847,579	7,534,081	12,995,639
Furnishing goods, men's	73	7,972,722	4,682	2,858,425	6,976,779	11,937,022
Printing and bookbinding	253	9,631,889	3,260	4,121,060	3,368,217	10,522,303
Paints, pigments and varnishes	18	11,965,832	1,165	1,508,273	4,942,721	9,949,333
Sheet metal products	21	8,978,626	1,960	2,169,437	5,145,308	9,478,214
Shipbuilding and repairs	5	11,656,621	2,642	3,383,173	1,899,595	9,374,606
Fur goods	76	6,814,578	1,413	1,711,190	5,803,893	8,836,341
Explosives, ammunition, fireworks and matches	7	11,876,925	1,432	1,273,459	3,564,849	7,644,297
Steel and rolled products, pig iron and ferro-alloys	10	10,282,082	1,737	2,433,334	1,652,038	7,350,581
Hats and caps	65	3,090,621	2,182	2,089,082	3,518,764	7,295,971
Furniture and upholstered goods	70	5,074,433	2,295	2,378,857	2,610,688	7,097,878
Dyeing, cleaning and laundry work	77	7,371,339	3,126	2,815,806	1,042,195	6,860,587
Hardware and tools	26	11,193,486	1,499	1,577,854	1,932,932	6,434,681
Musical instruments and materials	10	5,784,574	1,301	1,521,042	2,537,445	6,052,211
Total Forty leading industries	5,720	1,367,072,699	167,384	178,558,071	419,330,821	888,577,838
Total all industries in the province	7,231	1,583,350,884	204,959	217,887,481	510,580,872	1,073,162,291
Percentage of forty leading industries to total of all industries in the province	79.10	86.34	81.67	81.95	82.13	82.80

Note: Other leading industries of Quebec, statistics of which cannot be given because there are fewer than three establishments in each industry are: Sugar Refineries, Aluminium Products, Cement and Bridge-building.



MANUFACTURES OF QUEBEC, 1928.

Principal Statistics of Manufactures by Groups of Industries, 1927 and 1928.

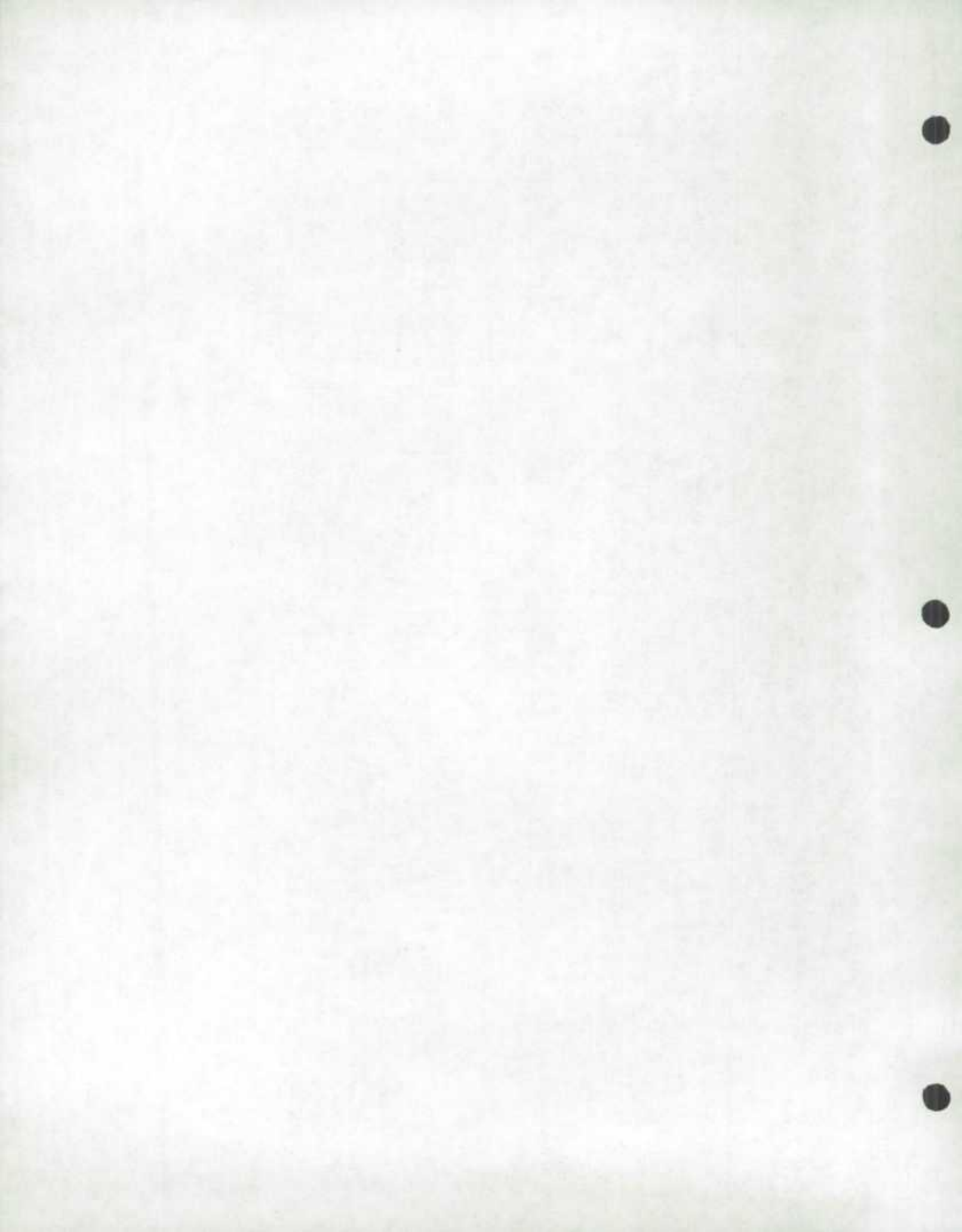
Table 2 shows the principal statistics of the ten groups into which all industry has been divided. The vegetable products group occupies first place during both years in value of production followed in order by the wood and paper and textile groups. In employment the textile group in 1928 stood in first place with the wood and paper group second, the iron and steel products third and the vegetable products group fourth. In capital investment the wood and paper group was first, the electric power industry was second and the textile group third.

Table 2.- Principal Statistics by Groups of Industries, Province of Quebec, 1927 and 1928.

Name of Industry	Estab- lish- ments	Capital	Employees on Salaries		Salaries	Employees on Wages		Wages	Cost of Materials	Value of Products
			Male No.	Female No.		Male No.	Female No.			
<u>1927</u>										
Vegetable products	1,444	137,988,392	2,831	647	6,890,827	13,932	8,061	17,476,639	104,278,528	236,575,850
Animal products	1,900	55,936,499	1,621	436	3,845,287	12,217	5,706	14,223,469	67,853,267	104,062,709
Textiles and textile products	673	152,667,099	2,702	1,073	6,972,639	17,362	25,883	32,202,850	88,543,403	153,127,803
Wood and paper products	2,196	395,038,003	4,206	890	10,153,584	31,037	3,277	36,822,378	87,678,694	286,374,851
Iron and its products	219	120,206,095	2,333	465	5,626,629	22,052	1,034	21,992,648	56,879,802	105,411,428
Non-ferrous metal products	78	56,050,733	1,537	462	3,684,603	6,438	1,375	8,228,653	18,717,439	46,100,526
Non-metallic mineral products	250	68,167,009	839	160	1,764,942	5,914	642	7,064,983	18,785,521	41,598,406
Chemicals and allied products	170	47,918,692	889	231	2,494,937	3,136	1,173	3,951,155	18,501,220	39,843,250
Miscellaneous industries	110	34,101,338	901	162	2,271,356	5,322	473	5,803,470	13,006,759	36,289,537
Central electric stations	166	308,580,159	1,110	223	2,181,577	2,199	-	2,472,267	8,016,448	41,778,115
Total Quebec Groups	7,206	1,376,654,019	18,969	4,782	45,886,411	125,519	46,824	157,838,586	474,361,396	950,582,295
<u>1928</u>										
Vegetable products	1,448	148,696,587	2,879	700	7,244,256	14,459	9,082	18,956,189	109,124,095	224,890,280
Animal products	1,847	56,068,716	1,633	449	3,818,086	12,135	5,752	14,037,176	74,545,152	109,454,007
Textiles and textile products	689	160,776,221	2,855	1,137	7,704,606	18,617	25,754	34,191,550	99,092,777	180,888,411
Wood and paper products	2,255	480,189,810	4,656	969	11,394,443	37,764	3,338	39,201,595	93,228,728	222,686,135
Iron and its products	225	135,147,372	2,436	478	5,923,851	23,998	1,077	31,209,700	51,582,896	110,229,769
Non-ferrous metal products	79	67,353,586	1,785	613	4,129,271	6,204	1,305	8,701,623	21,163,617	53,028,333
Non-metallic mineral products	254	76,791,419	724	108	1,504,947	6,703	391	8,206,803	19,031,096	48,532,268
Chemicals and allied products	171	53,567,970	1,006	258	2,640,481	3,280	1,202	3,976,137	24,207,491	47,204,490
Miscellaneous industries	115	33,009,008	1,000	190	2,650,475	5,577	533	6,958,530	11,745,282	33,216,154
Central electric stations	148	371,750,195	1,135	235	2,474,736	2,542	-	2,963,026	6,859,708	43,032,444
Total Quebec Groups	7,231	1,583,350,884	20,109	5,137	49,485,152	131,279	48,434	168,402,325	510,580,872	1,073,162,291

MANUFACTURES OF QUEBEC, 1928.

The principal statistics of the industries comprised in the ten main groups are shown in Table 3 for the calendar year 1928. Increases appear in all the principal statistics when compared with the previous year as is shown in the summary table on page one of this report. Capital investment increased by approximately 15 per cent, employment by 4.5 per cent, salaries and wages by 7 per cent, materials by 7.6 per cent and value of products by 7.2 per cent.



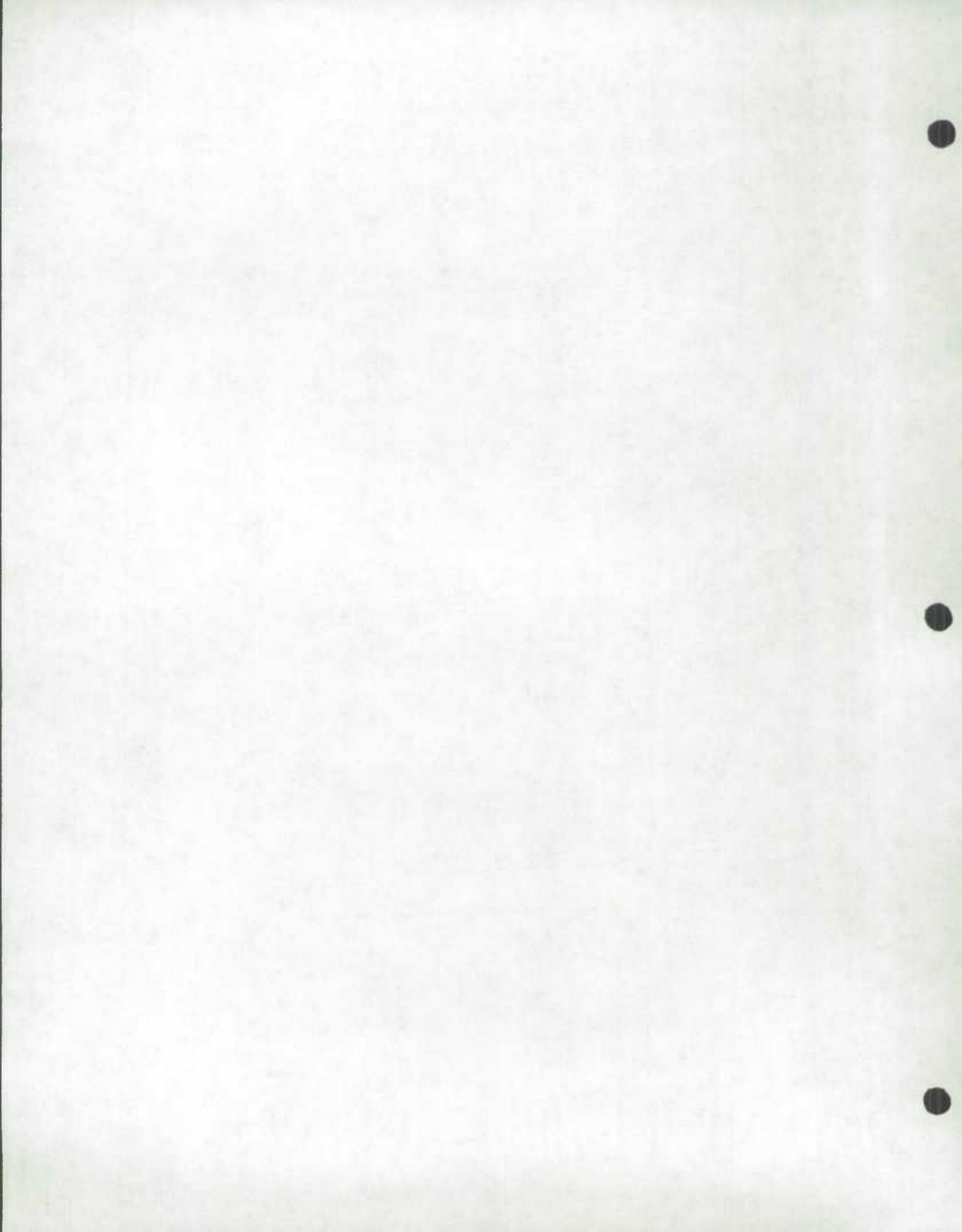
MANUFACTURES OF QUEBEC, 1928.

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Table 3.- Principal Statistics of Industries in Each Group, 1928.

Name of Industry	Estab- lish- ments No.	Capital \$	Salaried Employees			Wage-earners			Cost of Materials \$	Value of Products	
			Male	Female	Salaries \$	Male	Female	Wages \$		Gross \$	Net \$
			No.	No.		No.	No.				
QUEBEC	7,231	1,583,350,884	20,109	5,137	49,485,152	131,279	48,434	168,402,329	510,580,872	1,073,162,291	562,581,419
1. Vegetable products	1,448	148,696,587	2,879	700	7,244,256	14,459	9,082	18,956,189	109,124,095	224,890,280	115,766,189
Biscuits, confectionery, etc.	49	11,874,419	491	114	1,007,190	1,237	1,619	1,839,058	7,580,505	14,743,227	7,162,722
Bread and other bakery products	835	13,233,720	106	41	241,173	3,925	308	4,328,563	10,067,733	19,514,222	9,446,489
Breweries	8	20,294,481	201	20	522,828	1,443	14	1,603,203	6,773,926	21,542,886	14,768,960
Cigars and cigarettes	41	31,749,668	829	230	2,116,043	1,619	2,870	3,042,698	16,219,372	53,324,554	37,105,182
Coffee and spices	11	2,947,297	95	32	270,035	162	49	205,175	4,496,965	5,555,040	1,058,075
Distilleries	7	16,121,529	50	14	244,999	419	140	601,563	3,371,496	15,268,267	11,896,771
Feed and grist mills	272	1,782,705	7	2	14,976	320	-	134,519	2,236,607	2,583,804	347,197
Flour mills	92	8,514,036	135	25	430,251	586	2	626,888	23,009,739	26,754,955	3,745,216
Fruit and vegetable canning, etc.	46	2,986,259	84	15	141,007	387	841	319,756	2,564,648	3,802,253	1,237,605
Ice cream cones	3	140,422	3	1	6,005	6	10	8,965	26,712	105,101	78,389
Linseed oil and oil cake	3	1,178,950	12	1	49,301	98	1	117,368	3,077,627	3,389,967	312,340
Macaroni and vermicelli	3	768,188	38	10	67,037	85	72	95,357	618,568	975,899	357,331
Maple syrup and sugar	5	280,013	9	1	16,240	24	1	21,290	690,867	779,490	88,623
Miscellaneous food industries	13	392,625	24	9	40,618	86	25	87,285	444,901	790,850	345,949
Miscellaneous vegetable products	4	1,178,296	17	2	52,515	39	4	49,051	666,107	1,579,489	913,382
Pickles, vinegar and cider	6	352,593	9	1	24,940	29	2	40,314	143,890	293,458	149,568
Rubber footwear	5	9,968,838	474	125	800,067	2,347	2,015	3,447,129	5,890,723	18,266,121	12,375,398
Rubber goods	7	1,483,012	32	14	96,511	224	131	281,432	920,595	2,001,733	1,081,138
Syrups	4	145,436	4	4	12,644	12	14	13,930	139,035	213,422	74,387
Tobacco, chewing, smoking, etc.	29	9,473,098	174	30	756,626	653	931	952,158	5,241,147	14,455,623	9,214,476
All other industries	5	13,831,002	85	9	333,250	758	33	1,140,537	14,942,932	18,949,919	4,006,987
2. Animal products	1,847	56,068,716	1,633	449	3,818,086	12,135	5,752	14,037,176	74,545,152	109,454,007	34,908,835
Belting, leather	5	1,175,256	36	7	106,490	94	1	104,481	570,347	941,146	370,799
Boot and shoe findings	10	1,390,975	32	4	89,881	214	81	200,513	460,618	1,141,895	681,277
Boots and shoes, leather	117	18,416,466	616	190	1,569,561	5,289	3,516	7,609,150	15,617,786	29,630,773	14,012,987
Butter and cheese	1,400	8,192,991	x	x	x	2,193	-	1,256,547	25,569,662	31,784,255	6,214,593
Fish curing and packing	98	442,683	41	1	15,331	712	520	124,794	479,422	766,286	286,864
Fur dressing and dyeing	6	1,030,986	37	5	116,922	440	68	376,816	183,575	1,231,628	1,048,053

x Included in wage-earners and wages, respectively.



MANUFACTURES OF QUEBEC, 1928.

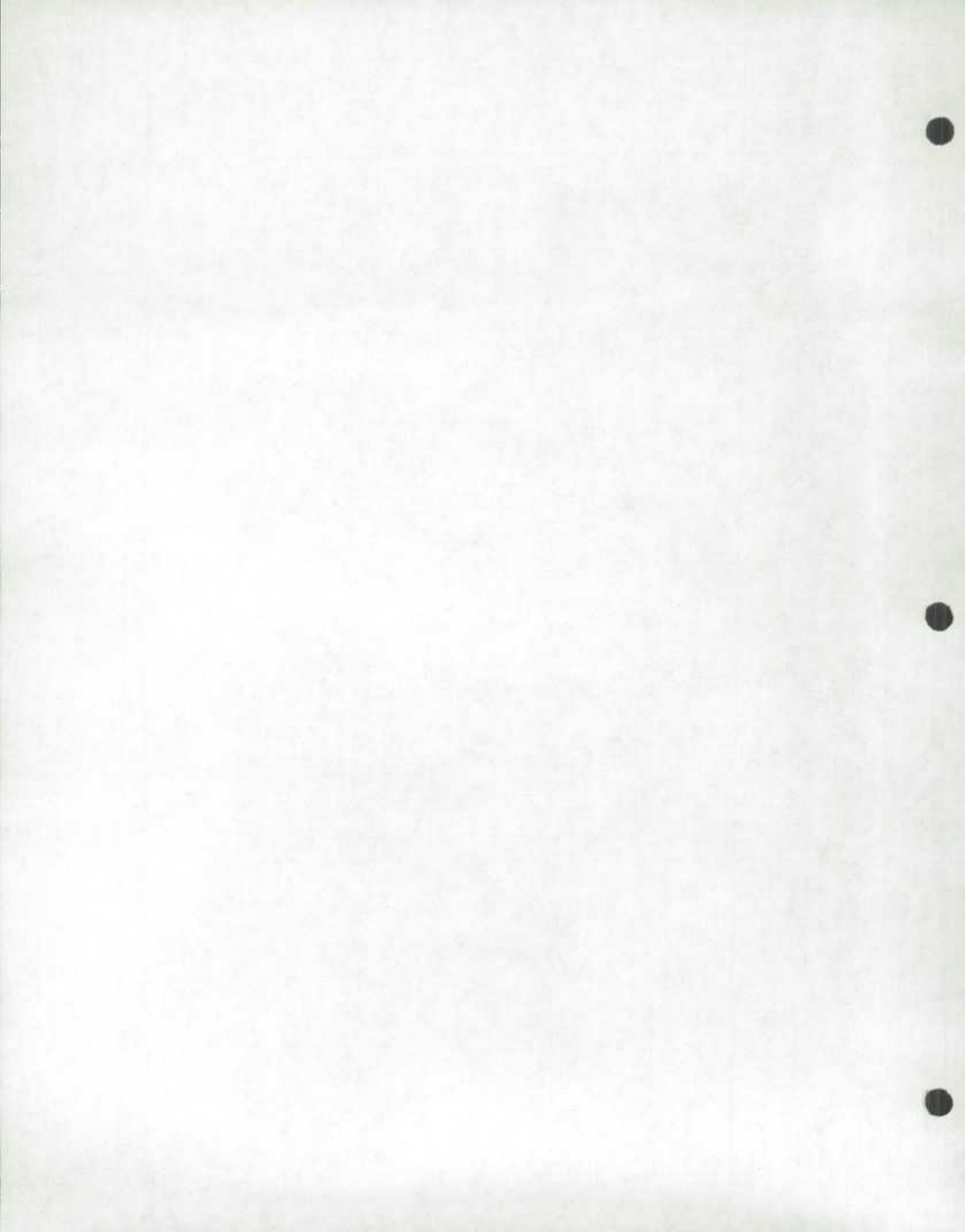
Table 3.- Principal Statistics of Industries in each group, 1928 - Cont'd.

Name of Industry	Estab- lish- ments No.	Capital \$	Salaried Employees			Wage-earners			Cost of Materials \$	Value of Products	
			Male	Female	Salaries \$	Male	Female	Wages \$		Gross	Net
			No.	No.		No.	No.			\$	\$
2. Animal products - Concluded.											
Fur goods	76	6,814,578	209	90	557,526	497	617	1,153,664	5,803,877	8,836,341	3,032,448
Gloves and mittens, leather	17	2,432,551	90	46	210,222	312	534	650,280	1,765,946	2,898,150	1,132,204
Harness and saddlery	33	1,161,796	66	14	100,017	127	12	128,746	311,919	600,051	228,132
Leather goods, n.e.s.	12	244,792	18	12	44,558	73	96	129,467	216,710	537,168	320,455
Leather tanned	37	4,464,991	57	3	145,803	567	23	540,567	3,074,721	4,249,234	1,174,513
Sausages and sausage casings	12	543,088	10	4	34,684	86	4	99,502	444,768	718,012	273,244
Slaughtering and meatpacking	17	8,655,335	393	66	758,238	1,317	171	1,469,375	19,613,433	25,245,993	5,642,560
Trunks, bags, etc.	4	854,537	22	5	58,534	187	56	182,370	376,481	734,659	358,176
All other industries	3	239,691	6	2	10,319	25	3	10,906	55,671	138,416	82,545
3. Textile products											
Awnings, tents and sails	11	627,479	15	3	38,032	47	43	85,617	420,625	690,146	269,521
Bags, cotton and jute	5	2,424,053	33	14	104,864	98	217	201,186	3,838,162	4,378,247	90,035
Butting	3	1,721,785	24	17	104,461	66	51	109,692	795,697	1,394,753	599,056
Clothing, men's factory	142	16,547,134	571	198	1,429,631	2,689	3,667	5,998,651	16,215,373	30,162,782	13,747,409
Clothing, women's factory	196	10,590,955	457	271	1,428,645	1,375	4,296	5,028,550	16,023,968	27,314,966	11,290,998
Cordage, rope and twine	4	853,120	11	3	38,640	95	12	103,839	573,941	942,555	368,614
Corsets	5	2,913,506	126	108	246,955	21	655	378,023	2,202,876	2,394,262	1,191,387
Cotton and wool waste	3	194,078	9	3	31,070	42	7	39,528	465,066	589,903	124,837
Cotton goods, n.e.s.	9	510,184	17	10	36,245	41	172	119,630	476,856	746,141	269,287
Cotton thread	3	3,868,829	51	20	144,426	139	381	379,306	1,501,332	3,685,362	2,184,030
Cotton yarn and cloth	17	63,828,483	435	73	1,237,363	8,334	5,593	10,407,896	32,251,365	56,545,069	24,293,704
Dyeing, cleaning and laundry work	77	7,371,339	160	85	478,656	1,334	1,547	2,337,150	1,042,195	6,860,587	5,818,392
Furnishing goods, men's	73	7,972,722	232	103	533,254	520	3,827	2,325,171	6,976,779	11,937,022	4,966,243
Hats and caps	65	3,090,621	230	76	516,165	673	1,203	1,572,917	3,518,764	7,295,971	3,777,207
Hosiery, knit goods and fabric gloves	38	12,771,067	207	63	604,697	1,362	2,436	2,534,785	7,572,381	13,496,411	5,924,030
Oiled and waterproof clothing	4	474,039	24	9	63,166	80	38	151,000	452,490	908,725	456,235
Silk goods	9	17,068,670	170	67	402,344	843	1,082	1,420,713	2,402,265	4,998,738	2,596,473
Woollen cloth	11	2,663,940	24	2	54,195	287	288	444,188	1,191,477	2,117,782	926,305
Woollen goods, n.e.s.	5	3,132,133	36	3	149,023	260	118	264,338	1,177,793	2,558,620	1,380,827
All other industries	4	2,152,084	23	9	62,774	311	122	289,368	943,372	1,870,368	926,996

MANUFACTURES OF QUEBEC, 1928.

Table 3.- Principal Statistics of Industries in each group, 1928 - Cont'd.

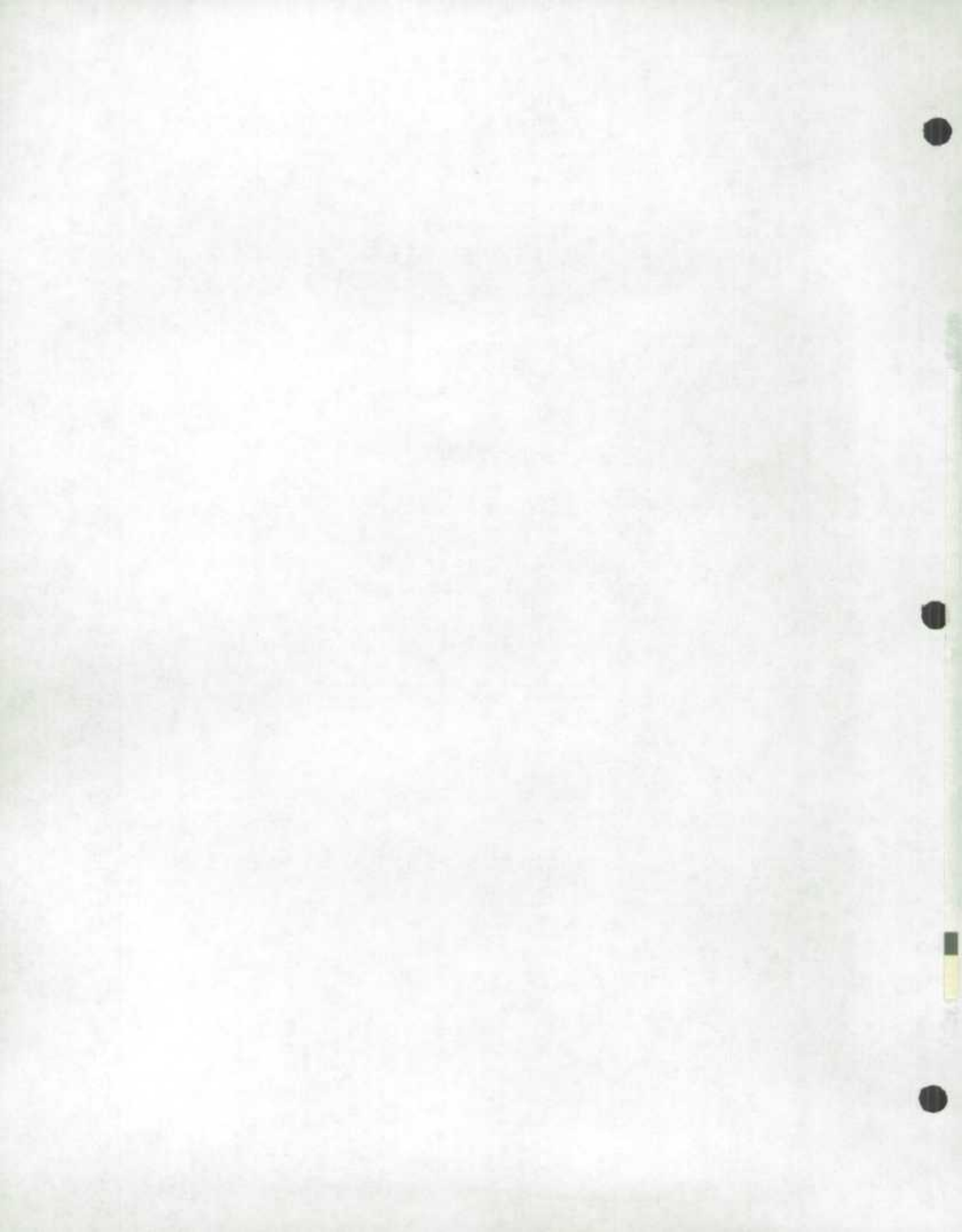
Name of Industry	Estab- lish- ments	Capital	Salaried Employees		Wage-earners			Cost of	Value of Products	



MANUFACTURES OF QUEBEC, 1928.

Table 3.- Principal Statistics of Industries in each group, 1928 - Cont'd.

Name of Industry	Estab-lish-ments No.	Capital	Salaried Employees			Wage-earners			Cost of Materials	Value of Products	
			Male No.	Female No.	Salaries	Male No.	Female No.	Wages		Gross	Net
Wood and Paper products	2,255	480,189,810	4,656	969	11,394,443	37,764	3,338	39,201,595	93,228,728	222,686,135	129,457,407
Boats and canoes	13	161,843	6	-	13,130	67	-	66,881	73,183	193,234	120,051
Boxes and bags, paper	33	4,995,924	113	43	273,292	446	875	828,845	2,677,337	4,976,420	2,299,083
Boxes and packing cases	26	1,869,011	52	13	139,121	584	71	435,731	878,573	1,730,112	851,539
Carriages, wagons and sleighs	217	1,927,926	61	1	95,695	633	1	634,958	422,569	1,660,903	1,238,334
Coffins and caskets	11	709,310	7	2	20,787	106	12	96,345	175,825	447,818	271,993
Cooperage	9	257,191	11	1	15,384	48	-	40,805	148,120	257,591	109,471
Furniture and upholstering	70	5,074,433	159	43	417,126	2,001	92	1,961,731	2,610,688	7,097,878	4,487,190
Laths, trees and pegs	10	1,090,857	77	13	101,166	270	87	317,366	236,506	1,068,209	831,703
Lithographing and engraving	26	4,006,391	148	31	379,832	513	181	837,026	1,295,116	3,328,872	2,033,756
Miscellaneous wood products	96	564,889	13	2	19,751	291	4	149,239	125,007	491,790	366,783
Paper goods, n.e.s.	7	792,268	8	3	29,032	97	17	124,226	429,156	801,746	372,590
Planing-mills, sash, doors, etc.	291	12,883,573	240	31	473,793	2,701	11	2,373,786	7,534,081	12,995,639	5,461,558
Printing and bookbinding	253	9,631,889	446	159	1,170,486	1,972	683	2,950,574	3,368,217	10,522,303	7,154,086
Printing and publishing	62	25,279,128	1,159	301	2,188,666	2,134	513	3,414,916	3,943,967	16,049,026	12,105,059
Pulp and paper	50	376,351,076	1,647	275	4,953,389	15,300	521	19,625,212	48,262,196	127,223,217	78,961,021
Roofing paper, wall board, etc.	3	2,232,274	33	11	134,961	114	2	141,959	1,175,296	2,613,909	1,438,113
Sawmills	1,041	37,688,780	353	13	596,747	9,597	11	4,349,383	18,158,418	27,173,297	9,014,879
Sporting goods	5	119,370	3	1	7,000	13	16	15,035	16,131	70,105	53,974
Stationery and envelopes	5	767,448	16	5	64,529	62	116	147,804	613,498	1,043,812	430,314
Stereotyping and electrotyping	6	473,700	36	9	95,140	118	-	201,020	71,570	516,998	445,428
Wood turning	10	722,864	14	6	39,453	223	45	165,957	174,785	497,540	322,755
All other industries	11	2,389,665	54	6	165,963	474	80	322,796	838,489	1,925,716	1,087,227
Iron and its products	225	135,147,372	2,436	478	5,723,851	23,998	1,077	31,209,700	51,582,896	110,229,769	58,646,873
Agricultural implements	11	1,628,622	46	7	90,577	240	-	178,795	219,877	690,073	470,196
Automobile supplies	6	149,698	11	6	28,241	23	9	40,823	109,643	275,508	165,865
Boilers, tanks and engines	4	529,458	11	-	26,573	106	-	130,323	120,226	358,562	238,336
Castings and forgings	72	25,661,190	558	116	1,275,077	4,107	102	4,482,053	7,927,198	18,378,848	10,451,650
Hardware and tools	26	11,193,486	123	47	403,771	889	440	1,174,083	1,932,932	6,434,681	4,501,749
Iron and steel products, n.e.s.	22	1,961,206	71	17	213,187	586	-	642,778	1,389,791	2,743,509	1,353,718
Machinery	29	23,580,667	541	171	1,339,684	3,247	174	4,228,982	7,575,335	17,248,748	9,673,413
Railway rolling stock	10	42,745,458	701	40	1,553,432	10,930	28	15,500,430	23,398,384	41,620,368	18,221,984
Sheet metal products	21	8,978,626	193	34	445,552	1,474	259	1,723,885	5,145,308	9,478,214	4,332,906
Steel and rolled products, pig iron, etc.	10	10,282,082	80	19	215,458	1,635	3	2,217,876	1,652,038	7,350,581	5,698,543
Wire and wire goods	12	7,580,736	64	15	206,104	647	62	704,153	2,099,923	5,471,234	3,371,311
All other industries	2	856,143	37	6	126,195	114	-	185,519	12,241	179,443	167,202



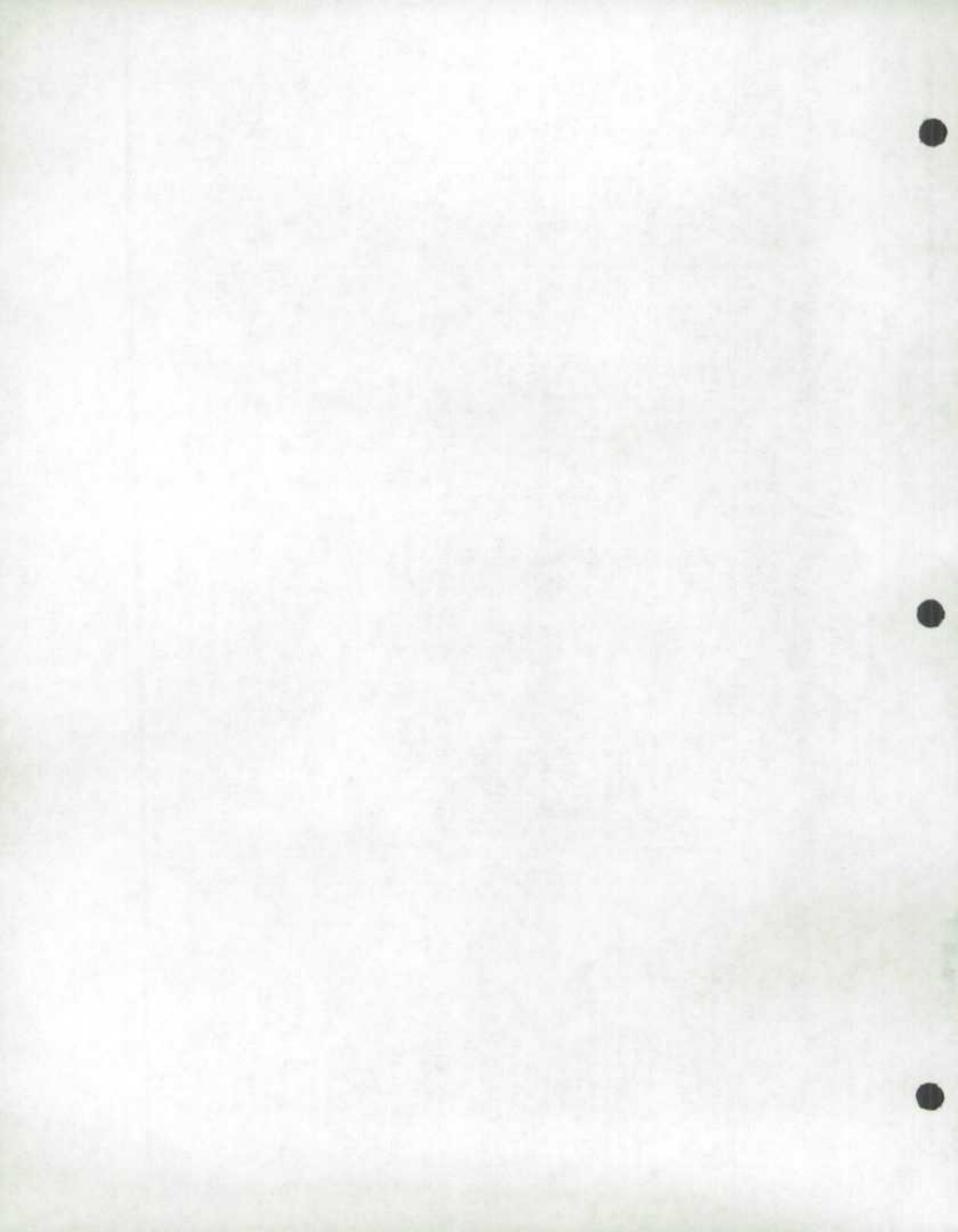
MANUFACTURES OF QUEBEC, 1928.

Table 3.- Principal Statistics of Industries in each group, 1928 - Cont'd.

Name of Industry	Estab- lish- ments No.	Capital	Salaried employees		Wage-earners			Cost of Materials	Value of Products		
			Male	Female	Salaries	Male	Female		Wages	Gross	Net
6. Non-ferrous metal products	79	67,353,586	1,785	613	4,129,271	6,204	1,305	8,701,623	21,163,647	53,028,333	31,864,686
Brass and copper products	19	6,536,120	226	40	523,275	985	73	1,298,660	2,441,827	5,840,238	3,398,411
Electrical apparatus and supplies	17	24,220,711	1,321	486	2,937,237	3,082	1,032	4,419,668	9,337,957	20,792,119	11,454,162
Lead, tin and zinc products	9	1,118,841	19	9	76,666	47	3	79,034	1,250,305	1,518,510	368,205
Misc. non-ferrous products	4	2,333	9	2	37,152	30	3	29,462	62,298	129,070	66,772
Precious metal products	27	1,268,859	67	49	206,689	444	184	677,234	1,276,701	2,784,520	1,507,819
Non-ferrous metal smelting	3	34,046,722	143	27	348,252	1,616	10	2,197,565	6,894,559	21,963,876	15,069,317
7. Non-metallic mineral products	254	76,791,419	724	108	1,504,947	6,703	391	8,206,803	19,031,096	48,532,268	29,501,172
Aerated and mineral waters	102	4,258,049	151	28	265,986	577	35	649,035	1,833,193	4,562,695	2,729,502
Asbestos and allied products	4	2,330,800	32	7	79,475	200	25	228,650	674,708	1,455,853	781,145
Cement products	34	1,415,941	55	4	114,500	423	1	475,956	376,753	1,324,561	947,808
Clay, products, domestic	20	11,394,206	73	8	153,694	1,140	-	1,003,243	-	3,097,295	3,097,295
Clay products from imported ore	5	1,136,310	27	4	73,431	237	6	292,824	231,829	900,366	668,537
Coke and gas products	4	9,692,184	77	4	86,905	356	3	575,020	2,410,049	5,766,749	3,356,700
Glass products	11	5,387,096	79	26	198,112	975	155	1,226,219	1,662,029	5,535,815	3,873,786
Lime	13	1,766,192	22	-	37,810	297	-	272,220	-	896,782	896,782
Misc. non-metallic mineral products	5	5,498,908	58	8	133,600	326	162	396,282	923,847	2,040,057	1,116,210
Petroleum products	5	12,475,081	60	13	168,745	828	4	1,228,020	10,338,794	14,690,859	4,352,065
Stone, monumental and ornamental	45	887,544	44	3	95,675	277	-	385,720	282,578	1,081,091	798,513
All other industries	6	20,549,108	46	3	97,014	1,067	-	1,473,614	297,316	7,180,145	6,882,829
8. Chemicals and allied products	171	53,567,970	1,006	258	2,640,481	3,280	1,202	3,976,137	24,207,491	47,204,490	22,996,999
Acids, alkalis, salts and compressed gases	9	15,198,453	127	22	342,489	789	1	860,829	9,928,989	15,939,731	6,010,742
Coal tar and its products	4	1,940,645	14	1	28,782	54	-	72,006	923,718	1,421,603	497,885
Explosives, ammunition, fireworks and matches	7	11,876,925	106	5	192,361	844	477	1,081,098	3,564,849	7,644,297	4,079,448
Inks, dyes and colours	6	185,344	19	5	46,057	19	21	35,640	125,013	335,841	210,828
Medicinal and pharmaceutical preparations	44	4,874,507	200	79	594,848	254	289	448,463	1,408,379	4,439,303	3,030,924
Misc. chemical industries	40	2,713,705	136	45	305,207	282	130	315,478	1,419,240	2,778,003	1,358,763
Paints and varnishes	18	11,965,832	255	58	743,218	744	108	765,055	4,942,721	9,949,333	5,006,612
Soaps, washing compounds and toilet preparations	39	3,807,638	142	43	374,583	230	176	333,853	1,482,329	4,054,460	2,572,131
Wood distillation	3	996,921	7	-	12,936	58	-	63,262	408,118	636,674	228,556
All other industries	1	8,000	-	-	-	6	-	453	4,135	5,245	1,110

MANUFACTURES OF QUEBEC, 1928.

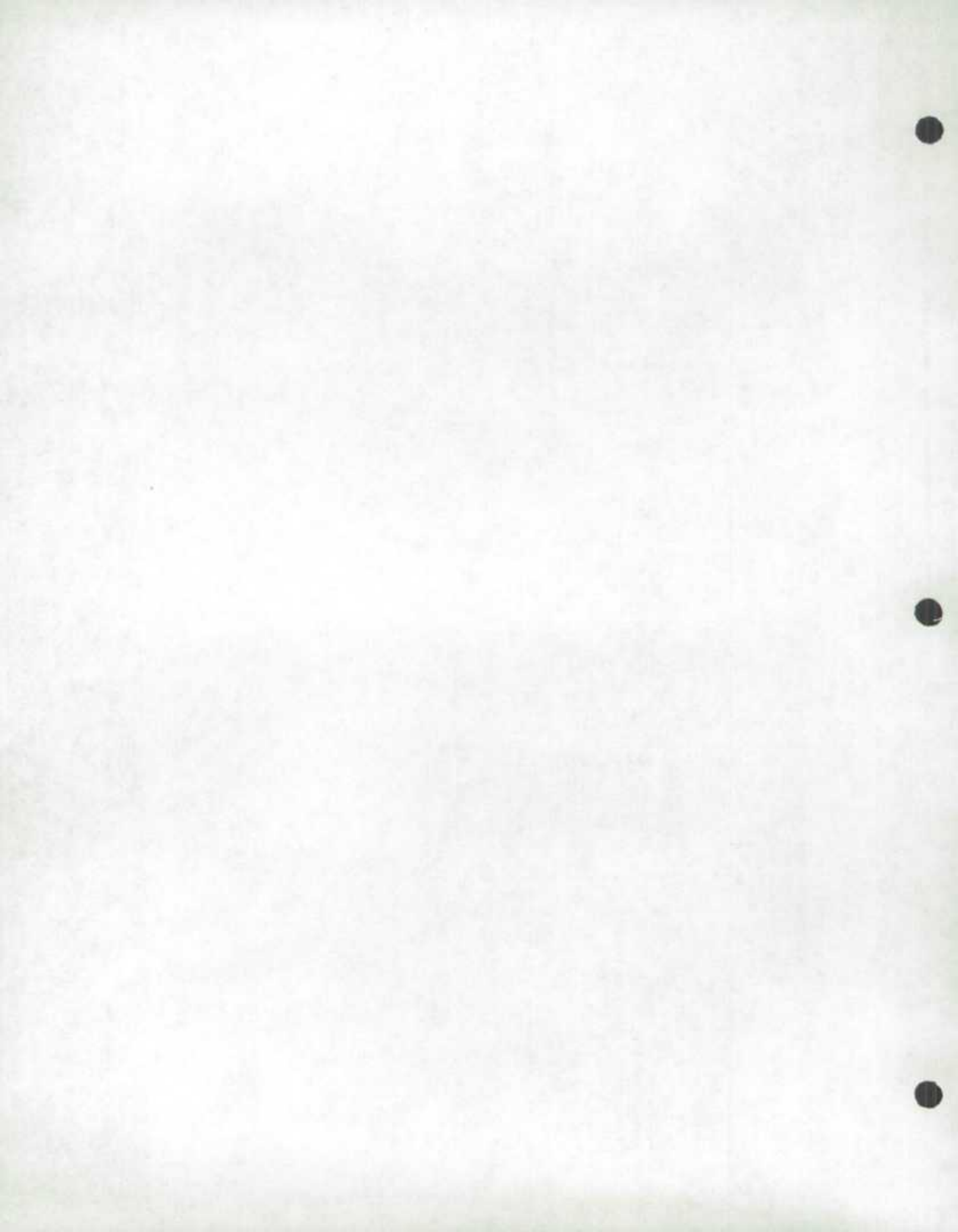
Table 3.- Principal Statistics of Industries in each group, 1928 - Concluded.



MANUFACTURES OF QUEBEC, 1928.

Table 3.- Principal Statistics of Industries in each group, 1928 - Concluded.

Name of Industry	Estab- lish- ments	Capital	Salaried employees			Wage-earners			Cost of Materials	Value of Products	
			Male	Female	Salaries	Male	Female	Wages		Gross	Net
9. Miscellaneous industries	No.	\$	No.	No.	\$	No.	No.	\$	\$	\$	\$
Artificial feathers and flowers	115	33,009,008	1,000	190	2,650,475	5,577	533	6,958,530	11,745,282	33,216,154	
Brooms, brushes and mops	3	103,650	11	10	23,844	8	71	38,383	65,135	191,937	
Candles and tapers	23	606,366	35	13	64,640	200	25	119,527	269,182	656,259	
Mattresses and springs	11	534,769	14	3	27,298	35	23	39,957	217,742	460,852	
Musical instruments	17	2,910,623	75	20	279,561	550	60	670,101	2,190,952	4,239,984	
Regalia and society emblems	10	5,784,574	137	51	343,712	994	119	1,177,330	2,537,445	6,052,211	
Shipbuilding and repairs	4	44,790	3	-	8,218	7	4	9,141	16,008	42,750	
Stamps and stencils	5	11,656,621	277	20	623,041	2,335	10	2,760,132	1,899,595	9,374,606	
Statuary, art goods, etc.	4	182,245	26	5	44,028	40	-	46,703	28,122	160,570	
Toys and games	15	156,727	8	7	24,331	104	38	152,313	62,569	371,382	
Umbrellas	3	32,052	-	-	-	10	2	5,567	2,519	10,984	
All other industries	4	205,015	5	2	11,724	16	55	40,381	182,284	328,634	
	16	10,791,576	409	59	1,200,078	1,278	126	1,899,002	4,273,729	11,325,985	
10. Central electric stations	148	371,750,195	1,135	235	2,474,736	2,542	-	2,963,026	6,859,708	43,032,444	36,172,736



MANUFACTURES OF QUEBEC, 1928.

Capital Investment

The statistics of capital investment in the manufacturing industries of the province of Quebec are presented in Table 4, for the calendar year 1928 by groups of industries. The statistics are given under two main heads - fixed capital which includes land, buildings, machinery and tools and working capital which includes (a) materials and stocks on hand, fuel and miscellaneous supplies on hand and (b) cash, trading and operating accounts and bills receivable. The total capital investment which in 1924 amounted to \$1,044,113,969 advanced to \$1,136,033,133 in 1925, to \$1,216,975,958 in 1926, to \$1,376,654,019 in 1927 and to \$1,583,350,884 in 1928. The increase in 1924-5 was \$91,919,164 or 8.1 per cent, in 1925-6 it was \$80,942,825 or 7.1 per cent, in 1926-7 it was \$159,678,061 or 13.1 per cent, and in 1927-8 had further advanced to \$206,696,865 or 15 per cent.

The wood and paper group stands first in total capital investment with \$480,189,810 or 30 per cent with the electric power plants in second place with \$371,750,195 or 24 per cent. Textiles and textile products stand third, vegetable products fourth and iron and its products fifth, followed in order by non-metallic mineral products, non-ferrous metal products, animal products, chemical and allied products and miscellaneous industry products. The average capital investment per establishment for the past six years shows a continued steady growth. In 1923 the average capital per establishment was \$141,403. In 1924 it had increased to \$152,492, an increase of \$11,089 per establishment or 7.8 per cent; in 1925 it had increased to \$162,407, an increase over 1924 of \$9,915, or 6.5 per cent; in 1926 it had increased to \$170,153, an increase of \$7,746 per establishment or 4.8 per cent; in 1927 it had increased to \$191,042, and increase of \$20,889 or 12.27 per cent and in 1928 it had increased to \$218,967, an increase of \$27,925 or 14.62 per cent.

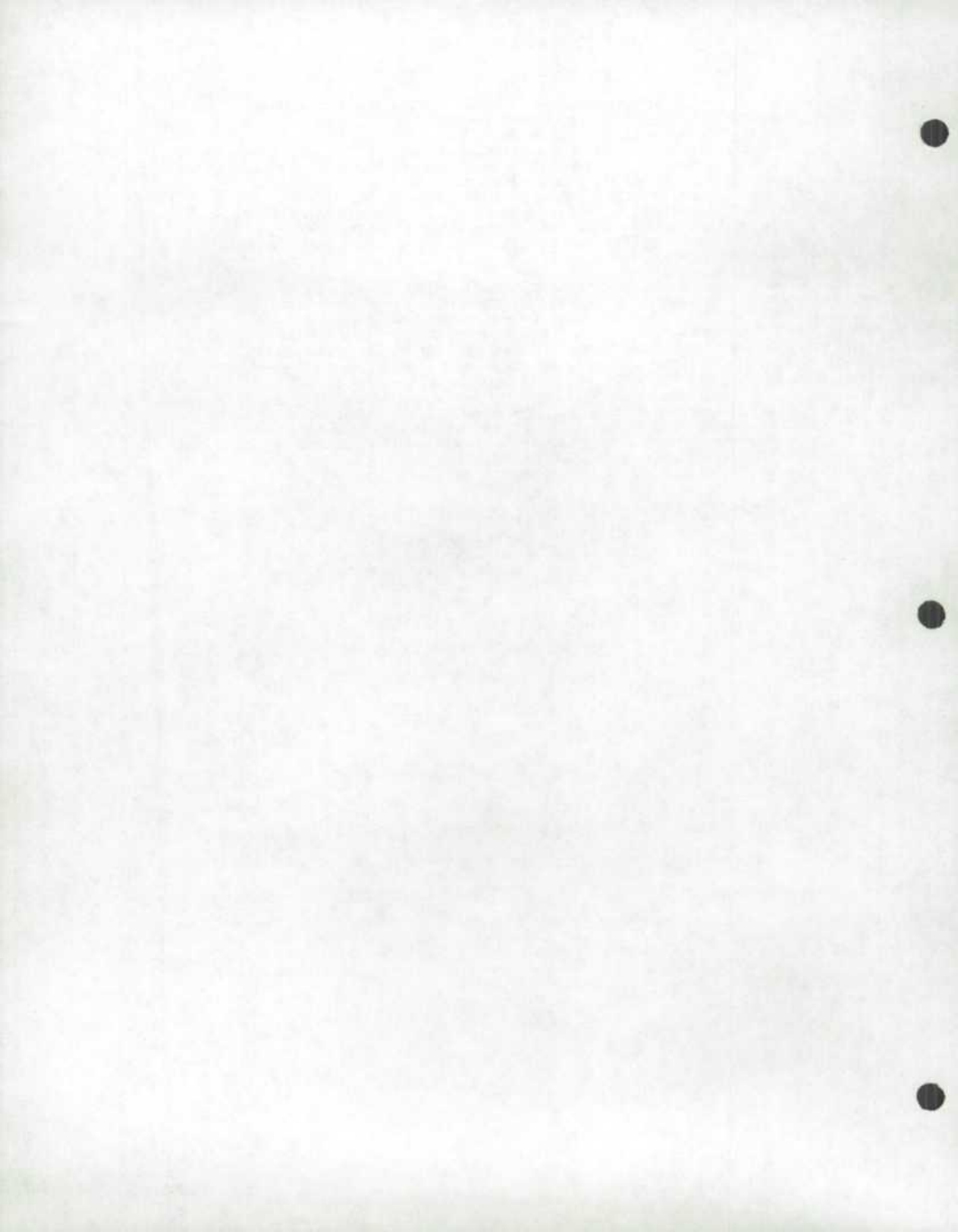
Table 4. Capital invested by Groups of Industries in Quebec, 1928.

Groups of Industries	Fixed	Working Capital		Total Capital
	Capital	Materials and stocks on hand, fuel and miscellaneous supplies	Cash, trading and operating accounts and bills receivable	
Vegetable products	\$ 73,399,975	\$ 42,669,946	\$ 32,626,666	\$ 148,696,587
Animal products	25,940,005	18,029,769	12,098,942	56,068,716
Textiles and textile products	81,838,894	43,163,989	35,773,338	160,776,221
Wood and paper products	339,696,754	76,795,042	63,698,014	480,189,810
Iron and its products	73,631,076	29,201,427	32,314,869	135,147,372
Non-ferrous metal products	39,666,754	18,802,192	8,884,640	67,353,586
Non-metallic mineral products	54,913,347	12,835,376	9,042,696	76,791,419
Chemicals and allied products	32,860,982	10,768,435	9,938,553	53,567,970
Miscellaneous industry products	17,509,193	6,951,760	8,548,055	33,009,008
Central electric stations	350,530,750	3,189,763	18,029,682	371,750,195
Totals, Quebec	1,089,987,730	262,407,699	230,955,455	1,583,350,884

MANUFACTURES OF QUEBEC, 1928.

Employees, Salaries and Wages, 1928.

The number of persons at employment by classes and sex in 1928.



MANUFACTURES OF QUEBEC, 1928.

Employees, Salaries and Wages, 1928.

The number of persons at employment by classes and sex is shown by groups of industries in Table 5. Employment in the province is highest in the textile group with 48,363, the wood and paper group being next with 46,727, followed in order by the iron group, the vegetable group and the animal products group, all of which had approximately a total employment of 20,000 and over. The textile group moreover is the highest employer of female labor in the province there being 25,754 out of a total female employment of 48,434 or 53.18 per cent.

In the total payments for salaries and wages the wood and paper group is first with \$50,596,036, with the textile group in second place with \$41,896,156 and the iron group third with \$37,133,551.

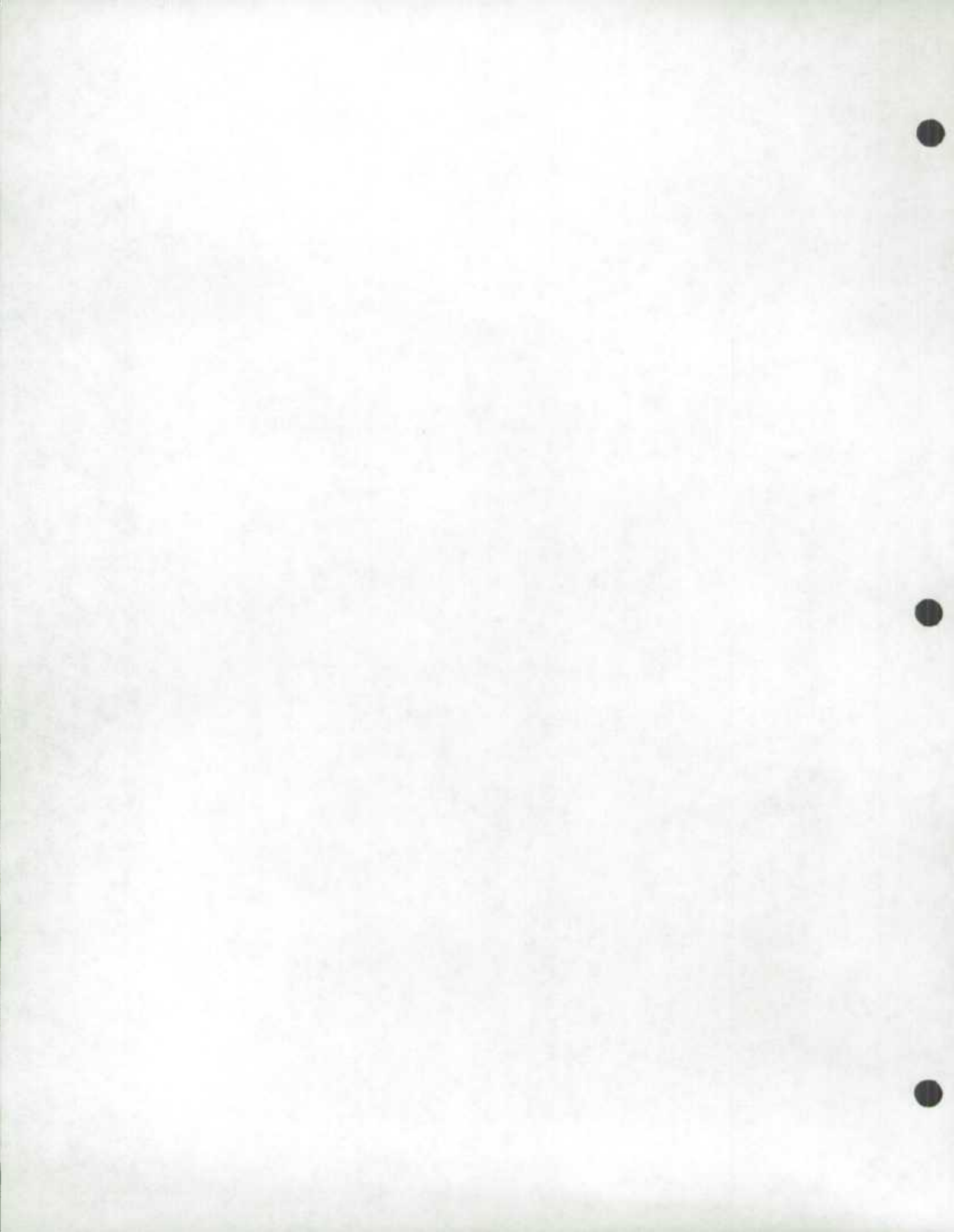
The amounts paid for salaries and wages are the total payments to all employees irrespective of the sex of the employee. The average of salaries and wages for Canada and the province of Quebec on this basis are compared in the statement following and shows that while the average salary is higher in Quebec by \$44.67, yet the average wage falls below the Canada average by \$87.02 and in the combined salary and wages average by \$84.60.

	Average salary	Average wages	Combined average salaries and wages
Canada	\$1915.44	1024.08	1147.68
Quebec	1960.11	937.06	1063.08
Variation (+ or -)	+ 44.67	- 87.02	- 84.60

Compared with 1927 there was an increase in the annual average in Quebec of \$28.13 for salaries employees and of \$21.22 per wage-earner, while the combined averages for salaries and wages increased by \$24.17.

Table 5.- Employees, Salaries and Wages by groups of Industries for Quebec, 1928.

Groups of Industries	Salaried employees			Wage-earners			Totals	
	Male	Female	Salaries	Male	Female	Wages	Employees	Salaries & Wages
	No.	No.	\$	No.	No.	\$	No.	\$
Vegetable products	2,879	700	7,244,256	14,459	9,082	18,956,189	27,120	26,200,445
Animal products	1,633	449	3,818,086	12,135	5,752	14,037,176	19,969	17,855,262
Textile and textile products	2,855	1,137	7,704,606	18,617	25,754	34,191,550	48,363	41,896,156
Wood and paper products	4,666	969	11,394,443	37,764	3,338	39,201,525	46,727	50,596,038
Iron and its products	2,436	478	5,923,851	23,998	1,077	31,209,700	27,989	37,133,551
Non-ferrous metal products	1,785	613	4,129,271	6,204	1,305	8,701,623	9,907	12,830,894
Non-metallic mineral products	724	108	1,504,947	6,703	391	8,206,803	7,926	9,711,750
Chemicals and allied products	1,006	258	2,640,481	3,280	1,202	3,976,137	5,746	6,616,618
Miscellaneous industry products	1,000	190	2,650,475	5,577	533	6,958,530	7,300	9,609,005
Central electric stations	1,135	235	2,474,736	2,542	-	2,963,026	3,912	5,437,762
Total of Quebec groups	20,109	5,137	49,485,152	131,279	48,434	168,402,329	204,959	217,887,481



MANUFACTURES OF QUEBEC, 1928.

Fuel Consumption

The quantity and the cost value at the works of the various classes of fuel consumed by the industries of the Province of Quebec during the calendar year 1928 are shown in Table 6. The total cost of all fuel amounted to \$17,320,310 and of this total \$13,559,619 or nearly 78.3 per cent represented the cost of coal of all kinds. Oil for fuel stands second in importance with an outlay of \$2,037,177 or 11.76 per cent of the total cost. Wood takes third place with an expenditure of \$547,082 followed in order of importance by gas \$506,113, other fuel \$324,356, coke \$260,345 and gasoline \$85,618.

There was an increase in the cost of fuel consumption as compared with 1927 of \$848,564.

The consumption of fuel by groups shows the wood and paper group with a total expenditure of \$6,363,138 as the largest consumer. Next in order is the non-metallic group with \$3,488,696, the iron and steel group with \$2,025,794 and the vegetable products group with \$1,872,513.

Table 6.- Fuel Consumption by Groups of Industries, 1928.

	Bituminous Coal	Anthracite Coal	Lignite Coal	Coke	Gasoline	Oil	Wood	Gas	Other Fuel	Total
Vegetable products	868,939	136,389	64,583	48,527	26,001	344,415	247,620	135,574	465	1,872,513
Animal products	237,998	27,810	1,345	2,208	3,772	15,055	15,860	9,770	250,876	564,694
Textiles and textile products	1,306,560	120,365	13,316	8,685	9,873	57,119	9,310	19,971	3,344	1,548,543
Wood and paper products	5,446,162	649,779	13,240	4,560	23,506	75,086	108,818	36,400	5,587	6,363,138
Iron and steel products	1,049,528	50,943	49,722	78,398	5,679	688,499	21,564	55,937	25,524	2,025,794
Non-ferrous metal products	484,841	35,677	-	67,585	5,473	57,272	944	40,459	554	692,805
Non-metallic mineral products	2,388,181	36,116	614	20,260	3,335	724,251	139,742	176,197	-	3,488,696
Chemicals and allied products	352,648	22,718	5,456	21,293	805	24,088	1,550	15,891	33,477	477,926
Miscellaneous industry products	158,359	8,999	-	8,829	6,974	40,430	1,674	15,914	36	241,215
Central Electric stations	29,331	-	-	-	200	10,962	-	-	4,493	44,986
T o t a l	12,322,547	1,088,796	148,276	260,345	85,618	2,037,177	547,082	506,113	324,356	17,320,310

MANUFACTURES OF QUEBEC, 1928.

Power Equipment in Industries of the Province of Quebec

The statistics of power equipment installed in the manufacturing industries of the Province of Quebec are shown by groups in Table 7.

MANUFACTURES OF QUEBEC, 1928.

Power Equipment in Industries of the Province of Quebec

The statistics of power equipment installed in the manufacturing industries of the Province of Quebec are shown by groups of industries for the calendar year 1928 in Table 7. Power developed by steam increased by 8,146 h.p., by water 303,925 h.p., whilst internal combustion engines decreased by 809 h.p. Electric motors in industry are of two classes: the first being those driven by purchased power and the second those driven by power generated by the establishment. In 1928 there was an increase in the first class of 81,349 h.p. or 9.45 per cent as compared with the preceding year and an increase in the second class of 29,508 h.p. or 35.7 per cent. The cost of electricity purchased during 1928 for lighting, heating and power amounted to \$14,951,806 as compared to \$14,193,860 in 1927.

Table 7. Power Equipment in the Province of Quebec, 1928.

	Steam engines and turbines	Internal combustion engines	Hydraulic turbines or water wheels	Total primary power	Electric motors		Total electric motors	Total power equipment for manufacturing purposes
	H.P.	H.P.	H.P.	H.P.	Operated by purchased power	Operated by owned power	H.P.	H.P.
Vegetable products	12,356	1,501	13,868	21,725	37,776	7,310	45,086	65,501
Animal products	1,738	963	230	2,931	12,644	105	12,749	15,575
Textiles and textile products	7,525	34	17,966	25,525	46,379	11,988	58,367	71,904
Wood and paper products	116,111	3,857	176,879	296,847	648,070	78,962	727,032	944,917
Iron and steel products	16,205	258	3,401	19,864	81,868	4,178	86,046	101,732
Non-ferrous metal products	6,140	-	51,150	57,290	22,166	7,971	30,137	79,456
Non-metallic mineral products	8,932	145	-	9,077	56,357	-	56,357	65,434
Chemicals and allied products	3,326	44	8,255	11,625	14,863	1,671	16,534	26,488
Miscellaneous industry products	915	164	-	1,079	22,540	-	22,540	23,619
Central electric stations	31,915	363	2,054,405	2,086,683	-	-	-	1,144,020 ^{1/}
Total	205,163	7,329	2,326,154	2,538,646	942,663	112,185	1,054,848	2,538,646

^{1/} Less horsepower rating of motors in preceding groups operated by power purchased from Central Electric Stations.

MANUFACTURES OF QUEBEC, 1928.

Principal Statistics of Cities and Towns of Quebec, 1928.

Table 8 shows the principal industrial statistics for 50 cities and towns in the province whose production exceeded one million dollars in 1928. The total gross value of production of the 50 urban centres amounted to \$902,400,061 in a total for the entire province of \$1,073,162,291 representing approximately 84 per cent. The manufactured products of the City of Montreal represented 51.65 per cent of the total for the province.

Table 8. Principal Statistics of 50 Cities and Towns in order of value of production, 1928.

City or Town	Estab- lish- ments No.	Capital \$	Employ- ees No.	Salaries and Wages \$	Cost of Materials \$	Value of Products \$
Montreal	1,834	481,181,947	101,668	119,226,844	273,015,114	554,721,571
Three Rivers	55	79,061,136	7,634	8,258,527	19,209,953	45,441,169
Quebec	251	69,857,968	10,243	9,747,565	17,505,822	44,508,105
Snowigan Falls	21	149,846,124	2,938	4,076,874	13,489,984	33,536,961
Lachine	29	25,427,082	2,893	4,792,210	7,514,290	20,736,693
Montreal East	4	26,511,718	1,719	2,528,304	9,494,444	19,427,957
Sherbrooke	76	22,339,310	4,677	4,708,027	9,227,636	19,009,741
Hull	41	13,077,202	2,655	2,655,575	5,847,020	11,705,232
Granby	26	9,724,593	2,763	2,352,651	4,439,105	11,317,276
Valleyfield	25	10,929,551	2,773	2,148,236	3,831,697	9,783,246
Magog	13	6,496,232	1,575	1,300,253	6,481,584	9,042,865
Port Alfred	4	37,722,732	889	1,313,502	4,251,599	8,986,835
St. Hyacinthe	50	8,761,102	2,561	1,899,563	5,155,927	8,905,609
Grand Mere	15	64,890,988	1,307	1,965,962	2,298,567	7,976,144
St. John	38	8,039,430	2,750	2,828,236	3,621,671	7,726,715
St. Jerome	26	6,349,083	1,853	1,555,746	2,886,997	7,610,937
Drummondville	14	18,643,679	2,056	1,890,516	4,063,184	6,892,209
Kenogami	3	16,279,477	954	1,429,172	2,563,276	6,873,573
East Angus	7	15,299,951	854	844,017	2,816,076	5,263,575
La Tuque	11	8,674,704	657	1,005,118	2,031,977	4,662,724
Beloil	9	3,976,687	260	295,983	2,141,691	4,201,734
Lauzon	8	2,705,002	523	587,603	1,064,295	3,626,217
Victoriaville	21	2,384,709	1,208	933,553	1,332,407	3,496,502
Verdun	11	3,760,844	851	831,433	1,891,160	3,432,840
St. Joseph d'Alma	7	14,824,888	473	712,575	786,131	3,072,211
Beauharnois	9	5,880,029	581	618,489	1,190,445	2,777,788
Domacena	3	11,533,207	503	743,596	1,302,057	2,741,145
Chicoutimi	25	9,772,595	605	628,248	1,339,155	2,540,647
Bromptonville	4	506,769	312	332,827	1,335,793	2,260,010
Joliette	37	1,896,530	579	477,688	920,179	2,124,825
Windsor	7	6,002,789	503	570,010	924,338	2,077,919
Coaticook	21	2,300,029	713	461,289	1,088,941	2,010,792
Sorel	20	2,953,834	1,320	1,013,164	493,160	1,892,437
Cowansville	10	2,344,059	569	450,953	767,141	1,840,802
Chandler	3	3,092,960	463	470,899	745,698	1,756,841
Buckingham	14	2,894,127	321	423,022	859,266	1,576,968
Berthier	14	6,344,772	259	240,216	672,266	1,645,217
Marieville	11	1,686,662	487	414,792	985,266	1,444,781
Jonquiere	8	1,454,483	205	300,194	537,114	1,560,913
Loretteville	21	1,153,020	467	332,251	763,846	1,271,078
Portneuf	9	1,691,628	197	219,232	551,740	1,255,571
Rock Island	13	2,085,434	349	324,822	598,730	1,245,349
Asbestos	10	1,212,834	163	84,660	631,640	1,203,703
Laprairie	9	7,257,674	422	434,298	56,147	1,196,461
St. Remi	10	685,376	132	105,505	923,247	1,195,137
St. Laurent	4	1,226,317	298	382,074	404,060	1,125,696
Plessisville	16	1,134,027	359	267,512	577,469	1,161,787
Ste. Therese	11	1,177,544	271	226,429	493,920	1,052,353
Farnham	13	1,084,172	368	227,654	541,298	1,057,962
Montmagny	15	1,934,247	426	348,801	393,944	1,055,635
Totals 50 cities and towns	2,916	1,186,071,257	169,606	190,105,737	428,353,763	902,400,061
Totals for the provinces	7,231	1,583,350,884	204,959	217,887,452	510,580,872	1,073,162,291
Per cent of 50 cities and towns to totals for the province.	40.33	74.99	82.75	87.25	84.00	84.09

Note: The towns of Foster and La Salle with a total production of \$18,929,550 are not included in the totals of the leading cities and towns having less than three establishments reporting.

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