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DEPARTMENT OF TRADE AND COMMERCE

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CENSUS OF INDUSTRY

MANUFACTURING INDUSTRIES

OF THE

PROVINCE OF BRITISH COLUMBIA

(Including Yukon)

1931

Published by Authority of the HON. H. H. STEVENS, M. P.,
Minister of Trade and Commerce.

OTTAWA
1931

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
GENERAL MANUFACTURES DIVISION
OTTAWA -- CANADA

June, 1933.

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MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY,
1931.

The general decline in industrial activity experienced by the manufacturing industries of British Columbia in 1930 continued with increasing force in 1931. Compared with the previous year, employment declined by 19.7 per cent, salaries and wages paid by 22.3 per cent and value of production by 27.1 per cent. This compares with a decline of 16.7 per cent in employment, 11.4 per cent in salaries and wages paid and 11.9 per cent in the value of production in 1930 as compared with 1929.

In 1931 reports were received from 1,636 establishments operating in British Columbia and the Yukon Territory. The combined output of these establishments was valued at \$175,707,357. Employment was furnished to 34,375 persons who were paid \$42,642,340 in salaries and wages. The cost of materials used was \$81,906,435, while the value added by manufacture amounted to \$93,800,922. To these figures, the Yukon Territory contributed eight establishments, \$475,180 in capital investment, thirty-eight employees, \$68,353 in salaries and wages, \$20,881 to the cost of materials used, \$122,424 to the value of production and \$101,543 to the value added by manufacture.

In comparison with 1930, the industries of British Columbia and the Yukon Territory showed the following variations in their manufacturing activities. The number of establishments reporting decreased by sixty-one with a drop in the capital investment of \$20,802,684. The number of persons employed also declined by 8,404 with a loss in the payroll of \$12,256,201. The amount spent on materials was \$41,224,834 less, while the drop in the value of production was even greater, viz., \$65,414,575. The decrease in the value added by manufacture was therefore \$24,189,741.

The large decrease in the number of employees in 1931 is not, however, 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 of wage-earners. 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 seventy-five the third month, its average annual employment was taken as 100 ($300 \div 3$); the same as that of another plant which operated the whole year with an average employment 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. This method gives the man year that each plant operates. The change in method, therefore, affects the average annual employment as well as the average wages paid in seasonal industries, such as fruit and vegetable canning, fish canning, sawmills, etc.

Provinces where seasonal industries predominate, therefore, show a proportionately greater decrease in the number of employees in 1931 as compared with the decrease in the salaries and wages paid, while industries that operate throughout the entire year are not affected by this change.

MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY,
1931.

The totals and variations referred to will be noted in tables 1 and 2.

Table 3 compares the principal statistics of the industrial groups for the years 1930 and 1931. From the standpoint of value of production, the wood and paper products group with an output valued at \$58,008,607 led all the others by a wide margin in both years. The next group of importance is vegetable products, followed by animal products, non-ferrous metal products, etc.

Table 4 reviews the principal statistics of the twenty-five leading industries of British Columbia in 1931. In value of production, the sawmills headed the list with an output valued at \$26,831,490. Other leading industries are—pulp and paper, \$14,892,646; central electric stations, \$10,693,004; fish curing and packing, \$9,229,359; slaughtering and meat packing, \$8,183,387; petroleum refining, \$7,720,202, etc.

Table 5 reviews the principal statistics of the individual industries which make up the groups shown in table 3.

Table 6 covers the principal statistics of all cities and towns in British Columbia and the Yukon Territory which have three or more establishments and a production of \$100,000 and over in the year 1931. The city of Vancouver with a production of \$72,999,316 leads by a very wide margin, accounting for 41.5 per cent of the total for the province. Other principal cities and the amount of their production were Victoria with \$9,166,961 and New Westminster with \$9,003,952.

Table 7 gives the principal statistics of all the industries located in Vancouver.

Details of capital investment for 1931 are shown by industrial groups in table 8. The total capital investment in 1931 amounted to \$382,525,614 and of this amount \$285,587,353 represented the value of land, buildings, machinery, tools and other equipment. Inventories of raw materials, goods in process, fuel and other supplies on hand accounted for \$30,917,109, finished products \$22,361,396, while the balance of \$43,659,756 was made up of cash, bills and accounts receivable, prepaid expenses, etc.

Statistics of power equipment and fuel consumption in the manufacturing industries of British Columbia and the Yukon Territory are shown in tables 9 and 10.

Table 1(a). - Principal Statistics of British Columbia and the Yukon Territory, 1926-1931.

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials	Value of Products
	No.	\$	No.	\$	\$	\$
1926 ...	1,495	329,008,375	47,462	54,865,756	137,846,624	247,275,254
1927 ...	1,509	325,047,266	47,740	56,007,334	123,668,610	244,344,825
1928 ...	1,624	367,898,589	48,949	58,726,003	134,961,834	268,627,691
1929 ...	1,699	394,866,933	51,379	61,930,107	141,395,377	273,681,585
1930 ...	1,697	403,328,298	42,779	54,898,541	123,131,269	241,121,932
1931 ...	1,636	382,525,614	34,375	42,642,340	81,906,435	175,707,357

MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY,
1931.

Table 1(b). - Principal Statistics of the Yukon Territory, 1931.

Year	Estab-lish-ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials \$	Value of Products \$
1931	8 ^{1/}	475,180	38	68,353	20,881	122,424

1/ Includes 3 Central electric stations, 2 Laundries, 1 Shipbuilding, 1 Bakery and 1 Novelties.

Table 2. - Principal Statistics of the Province of British Columbia and the Yukon Territory Compared for 1930 and 1931.

Principal Statistics	1930	1931	∕ Increase - Decrease
Establishments reporting No.	1,697	1,636	- 61
Capital invested \$	403,328,298	382,525,614	- 20,802,684
Employees on salaries ^x ..			
Male No.	4,580	4,998	∕ 418
Female No.	1,037	1,135	∕ 98
Total salaries \$	11,380,584	11,305,111	- 75,273
Employees on wages ..			
Male No.	32,827	24,925	- 7,902
Female No.	4,335	3,317	- 1,018
Total wages \$	43,518,157	31,337,229	- 12,180,928
Cost of fuel \$	3,495,758	3,031,324	- 464,434
Primary power equipment H.P.	793,082	798,145	∕ 5,063
Cost of materials \$	123,131,269	81,906,435	- 41,224,834
Gross value of products \$	241,121,932	175,707,357	- 65,414,575
Net value of products \$	117,990,663	93,800,922	- 24,189,741

^x The increase in the number of salaried employees and salaries paid is due to the following changes made in the instructions accompanying the schedules.

1. - 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.
2. - In 1931, 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.

MANUFACTURING STATISTICS OF THE PROVINCE OF

Table 3. - Principal Statistics by Groups of Industries

Groups of Industries	Estab- lish- ments No.	Capital Invested \$
<u>1930</u>		
Vegetable products	391	35,287,139
Animal products	195	32,645,411
Textile products	98	4,978,352
Wood and paper products	635	122,520,214
Iron and steel products	101	17,805,127
Non-ferrous metal products	26	57,695,625
Non-metallic mineral products	87	29,170,863
Chemical products	38	6,429,122
Miscellaneous industry products	49	8,938,471
Central electric stations	77	87,857,974
TOTAL	1,697	403,323,293
<u>1931</u>		
Vegetable products	399	33,216,476
Animal products	169	20,350,026
Textile products	103	5,251,947
Wood and paper products	580	109,734,252
Iron and steel products	101	19,172,146
Non-ferrous metal products	26	54,044,047
Non-metallic mineral products	95	25,638,506
Chemical products	37	15,110,656
Miscellaneous industry products	50	8,476,871
Central electric stations	76	91,530,687
TOTAL	1,636	382,525,614

BRITISH COLUMBIA AND THE YUKON TERRITORY, 1931.

for British Columbia and the Yukon Territory, 1930 and 1931.

Employees on Salaries			Employees on Wages			Cost of Materials	Gross Value of Products
Male	Female	Salaries	Male	Female	Wages		
No..	No.	\$	No.	No.	\$	\$	\$
362	123	964,852	2,414	1,697	3,657,160	19,834,942	34,025,554
553	99	1,183,923	3,051	472	3,591,455	27,027,265	39,957,477
138	47	347,635	710	1,554	2,090,057	2,201,100	6,508,128
1,608	399	4,660,004	17,343	475	20,675,396	37,541,424	83,953,035
333	60	836,478	2,009	52	2,817,657	6,279,809	13,313,023
398	67	1,026,729	3,088	-	4,806,187	16,685,519	27,395,322
234	33	565,453	1,636	5	2,107,670	10,444,901	16,426,816
112	28	277,415	379	56	524,947	1,967,025	4,614,219
154	30	393,235	1,071	24	1,558,924	1,149,284	4,110,579
488	151	1,124,660	1,126	-	1,687,804	-	10,817,779
4,580	1,037	11,380,384	32,827	4,335	43,518,157	123,131,269	241,121,932
571	204	1,204,305	2,130	1,122	2,997,354	15,696,743	28,905,495
474	84	898,242	1,730	248	1,953,447	16,121,615	23,597,038
176	61	396,811	673	1,447	1,768,583	2,048,187	5,648,822
1,945	412	4,515,651	12,462	371	13,244,959	25,440,507	58,003,607
360	63	862,353	1,656	45	2,103,256	4,173,572	9,373,234
428	73	1,007,484	2,801	1	4,638,366	7,742,546	18,232,505
227	29	531,729	1,343	5	1,677,546	7,666,557	13,588,933
164	35	423,183	559	53	771,076	2,103,608	4,498,504
177	31	415,663	853	25	1,059,671	913,100	3,161,215
476	143	1,049,690	718	-	1,122,971	-	10,693,004
4,998	1,135	11,305,111	24,925	3,317	31,337,229	81,906,435	175,707,357

MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY, 1931.

Table 4. - Principal Statistics of the Leading Industries of British Columbia and the Yukon Territory, 1931.

Industries	Estab-	Capital	Em-	Salaries	Cost of	Gross
	lish-					
	No.	\$	No.	\$	\$	\$
Sawmills	238	39,937,434	8,016	7,635,268	15,630,066	26,831,490
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	-	10,693,004
Fish curing and packing	99	12,969,484	1,201	1,209,986	5,533,437	9,229,359
Slaughtering and meat packing.	12	4,955,000	691	884,697	6,618,842	8,183,337
Petroleum refining	4	5,181,807	312	550,645	6,292,684	7,720,202
Printing and publishing	67	4,770,518	1,381	2,428,692	1,068,549	5,674,894
Bread and other bakery products	246	3,320,822	1,312	1,313,784	2,386,238	4,874,417
Butter and cheese	35	1,253,526	339	440,276	2,790,939	4,252,636
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	2,216,115	3,280,001
Breweries	10	5,173,448	264	426,439	917,301	3,018,197
Sheet metal products	20	8,734,695	511	654,667	1,644,761	2,970,289
Coke and gas products	6	12,925,218	429	581,619	978,060	2,752,413
Dyeing, cleaning and laundry work	58	2,410,300	1,512	1,386,991	200,977	2,502,710

MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY, 1931.

Table 4. - Principal Statistics of the Leading Industries of British Columbia and the Yukon Territory, 1931. -
(Concl'd.)

Industries	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
Distilleries	4	7,583,182	251	312,785	983,890	2,082,644
Biscuits, confectionery, cocoa, etc.	48	1,621,717	539	516,858	865,185	2,040,951
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	539,939	1,916,448
Printing and bookbinding	82	1,849,493	620	839,562	513,963	1,683,498
Planing mills, sash and door factories	44	2,749,095	584	686,393	609,582	1,598,116
Boxes, wooden	17	1,330,166	475	425,884	705,897	1,413,534
Flour and feed mills	6	1,813,727	107	132,811	915,539	1,262,634
Furniture	39	1,580,361	577	488,053	484,474	1,217,652
Paints, pigments and varnishes.	9	1,517,466	157	212,075	571,574	1,020,725
All other leading industries 1/	10	68,973,581	4,037	6,791,373	14,162,534	30,143,131
TOTAL, LEADING INDUSTRIES.	1,221	349,177,788	29,623	36,857,925	73,303,020	157,042,835
TOTAL, ALL INDUSTRIES	1,636	392,525,614	34,375	42,642,340	81,906,435	175,707,357
Percentage of leading industries to total of all industries	74.63	91.28	86.18	86.44	89.50	89.37

1/ Includes Sugar refining, Condensed milk, Bridge and structural steel work, Non-ferrous metal smelting and refining, Cement and Explosives.

- 8 -

MANUFACTURING STATISTICS OF THE PROVINCE OF

Table 5. -- Manufacturing Industries of

Name of Industry	Estab- lish- ments No.	Capital Invested \$	Employees on Salaries		
			Male	Female	Salaries
			No.	No.	\$
Vegetable products	399	33,216,476	571	204	1,204,305
Biscuits, confectionery, cocoa, etc.	48	1,621,717	95	33	166,831
Bread and other bakery products	246	3,320,822	141	48	242,418
Breweries	10	5,173,448	40	3	136,555
Coffee, tea and spices	7	1,360,593	25	9	74,055
Distilleries	4	7,533,182	43	3	130,665
Flour and feed mills	6	1,813,727	23	-	36,895
Foods, stock and poultry	7	189,814	6	1	12,417
Foods, miscellaneous	8	119,287	5	1	12,283
Fruit and vegetable preparations	33	3,903,606	135	96	216,389
Ice cream cones	3	13,090	1	-	1,800
Macaroni, vermicelli, etc. ...	4	173,935	4	1	6,739
Rice mills	3	291,746	8	-	22,702
Rubber goods, including footwear	3	396,943	5	3	12,021
Tobacco, cigars and cigarettes	9	37,759	6	1	9,094
Wine	7	855,722	7	-	11,914
All other industries	1	6,361,085	27	5	111,527
Animal products	169	20,350,026	474	84	898,242
Boots and shoes, leather	7	321,015	7	4	13,444
Butter and cheese	35	1,253,526	100	24	182,289
Fish curing and packing	99	12,969,484	219	16	360,004
Fur goods	3	80,536	2	3	8,830
Sausage and sausage casings ..	4	44,071	4	1	4,912
Slaughtering and meat packing.	12	4,955,000	127	33	289,194
All other industries	9	726,394	15	3	34,519
Textiles and textile products ..	103	5,251,947	176	61	396,811
Annings, tents and sails	6	401,679	8	4	12,876
Clothing, factory, women's ...	12	191,138	16	9	46,397
Dyeing, cleaning and laundry work	58	2,410,300	84	35	186,528
Furnishing goods, men's	11	276,507	20	2	31,975
Hats and caps	3	5,613	3	-	3,916
All other industries	13	1,966,710	45	11	115,119
Wood and paper products	580	109,734,252	1,945	412	4,515,651
Blueprinting	6	23,491	11	1	10,950
Boat building	22	355,242	29	2	31,134
Boxes and bags, paper	8	761,627	24	7	88,417
Boxes, wooden	17	1,330,166	51	6	114,060
Coffins and caskets	4	172,657	7	-	12,800
Cooperage	3	120,724	5	-	3,413

BRITISH COLUMBIA AND THE YUKON TERRITORY, 1931.

British Columbia and the Yukon Territory, 1931.

Employees on Wages			Value of Products			
Male	Female	Wages	Cost of	Value of Products		
No.	No.	\$	Materials	Gross	Net	
			\$	\$	\$	
2,130	1,122	2,997,354	15,696,743	28,905,495	13,208,752	
191	220	350,027	865,185	2,040,951	1,175,766	
503	315	1,071,366	2,396,238	4,874,417	2,438,179	
221	-	299,884	917,301	3,018,197	2,100,896	
58	58	94,860	1,930,099	3,827,786	1,897,687	
99	106	132,120	923,890	2,082,644	1,098,754	
85	1	95,916	915,539	1,262,684	347,145	
21	1	17,070	152,915	239,202	86,287	
23	10	27,459	142,727	233,488	140,761	
266	352	417,478	2,216,113	3,260,001	1,043,888	
5	2	3,618	7,672	22,549	14,877	
12	7	12,635	48,670	86,502	37,832	
15	-	18,883	377,087	545,642	168,555	
16	2	13,173	14,152	54,733	40,581	
18	9	18,637	22,201	69,031	46,830	
15	1	10,801	126,358	234,155	107,797	
277	38	373,449	4,590,596	7,003,513	2,412,917	
1,730	248	1,953,447	16,121,615	23,597,038	7,475,423	
90	17	91,725	197,543	313,230	115,687	
138	27	257,987	2,790,989	4,252,636	1,461,647	
375	91	849,982	5,533,437	9,229,359	3,695,922	
6	9	20,907	37,420	65,970	28,550	
15	1	15,535	55,733	102,867	47,134	
452	79	595,503	6,618,842	8,183,387	1,564,545	
104	24	121,808	887,651	1,449,589	561,938	
673	1,447	1,768,583	2,048,187	5,648,822	3,600,635	
27	28	57,527	110,700	214,002	103,302	
29	134	129,044	340,135	591,325	251,190	
461	932	1,200,463	200,977	2,502,710	2,301,733	
18	146	105,141	362,070	604,390	242,320	
1	1	1,884	729	9,798	9,069	
137	206	274,524	1,033,576	1,726,597	693,021	
12,462	371	13,244,959	25,440,507	58,008,607	32,568,100	
5	1	4,573	9,343	37,059	27,716	
54	-	49,290	39,613	137,378	97,765	
70	57	112,810	409,178	891,172	481,994	
360	58	311,824	705,897	1,413,534	707,637	
30	6	34,078	53,029	166,820	113,791	
23	-	23,737	95,273	150,077	54,304	

MANUFACTURING STATISTICS OF THE PROVINCE OF

Table 5. - Manufacturing Industries of

Name of Industry	Estab- lish- ments No.	Capital Invested \$	Employees on Salaries		
			Male No.	Female No.	Salaries \$
Wood and paper products -- (Concl'd.)					
Engraving, stereotyping and electrotyping	8	218,787	26	7	71,126
Furniture	39	1,580,361	81	13	152,588
Lithographing	3	413,574	12	5	46,008
Miscellaneous wooden products .	8	788,066	21	4	69,767
Planing mills, sash and door factories	44	2,749,095	109	7	186,319
Printing and bookbinding	82	1,849,493	194	41	372,727
Printing and publishing	67	4,770,518	529	150	1,178,352
Pulp and paper	6	52,256,905	308	55	849,423
Sawmills	238	39,937,434	473	99	1,194,046
Stationery and envelopes	4	186,409	7	2	15,453
Woodenware	3	104,820	9	1	10,174
Wood turning	3	94,550	7	1	8,349
All other industries	15	2,020,333	37	11	95,545
Iron and its products					
Automobiles	3	414,595	14	3	26,898
Automobile supplies	10	237,754	20	3	40,121
Boilers, tanks and engines	8	677,284	21	1	50,535
Castings and forgings	29	3,813,636	104	18	260,104
Hardware and tools	5	395,172	17	2	44,977
Iron and steel products, n.e.s.	4	118,047	8	1	21,323
Machinery	9	311,000	16	1	32,763
Primary iron and steel	4	128,000	3	-	8,881
Sheet metal products	20	8,734,695	64	21	149,850
Wire and wire goods	7	1,155,273	17	3	54,601
All other industries	2	3,136,690	76	10	172,300
Non-ferrous metal products					
Brass and copper products	9	150,269	11	1	21,538
Electrical apparatus and supplies	8	418,217	43	8	98,722
Jewelry and silverware	5	56,969	9	2	20,926
All other industries	4	53,418,592	365	62	866,298
Non-metallic mineral products ...					
Aerated and mineral waters	26	433,934	23	3	36,104
Cement products	11	235,884	9	1	18,659
Clay products, from domestic clay	17	1,659,699	22	2	46,602
Coke and gas products	6	12,925,218	74	8	159,527
Glass products	7	94,441	5	1	6,316
Lime	5	581,726	11	6	25,703
Petroleum products	4	5,181,807	55	4	144,657
Stone, monumental and ornamental	12	188,156	10	1	25,320
All other industries	7	4,337,641	18	3	63,841

BRITISH COLUMBIA AND THE YUKON TERRITORY, 1931.

British Columbia and the Yukon Territory, 1931. -- (Cont'd.)

Employees on Wages			Cost of Materials	Value of Products	
Male	Female	Wages		Gross	Net
No.	No.	\$	\$	\$	\$
49	11	101,450	42,753	294,215	251,462
454	29	335,465	484,474	1,217,632	733,158
64	12	95,189	129,753	370,965	241,212
85	28	96,531	448,169	761,530	313,361
468	-	500,074	609,582	1,598,116	988,534
326	59	466,835	513,963	1,683,498	1,169,535
651	31	1,250,340	1,068,549	5,674,694	4,606,145
2,170	20	3,155,665	4,118,602	14,892,646	10,774,044
7,421	18	6,441,222	15,630,066	26,831,490	11,201,424
18	29	39,917	195,256	285,368	90,112
26	-	25,612	53,867	107,763	53,896
15	-	11,100	38,740	89,459	50,719
173	12	189,247	794,400	1,405,191	610,791
1,656	45	2,103,256	4,173,572	9,373,234	5,199,662
16	-	15,985	43,091	102,068	58,977
74	-	83,204	127,086	282,481	155,395
78	-	100,847	97,365	287,030	189,665
567	3	702,712	628,665	1,980,241	1,351,576
58	2	62,172	118,656	260,200	141,544
36	-	46,994	41,304	109,539	68,235
69	-	90,350	69,090	219,765	150,675
47	-	53,120	32,927	147,047	114,120
386	40	504,817	1,644,761	2,970,289	1,325,528
81	-	89,708	436,408	743,564	307,156
244	-	353,347	934,219	2,271,010	1,336,791
2,801	1	4,638,366	7,742,546	18,232,505	10,489,959
57	1	67,618	44,699	172,014	127,315
70	-	90,705	140,665	617,514	476,849
42	-	62,441	53,934	159,606	105,672
2,632	-	4,417,602	7,503,248	17,283,371	9,780,123
1,343	5	1,677,546	7,666,557	13,588,933	5,922,376
65	4	84,565	120,461	393,453	272,992
50	-	55,259	82,569	215,228	132,659
250	-	217,216	-	498,505	498,505
347	-	422,092	978,060	2,752,413	1,774,353
22	1	24,259	21,056	65,182	44,126
120	-	117,504	-	277,269	277,269
253	-	405,988	6,292,684	7,720,202	1,427,518
56	-	96,153	86,469	277,349	190,880
180	-	254,510	85,258	1,389,332	1,304,074

MANUFACTURING STATISTICS OF THE

Table 5. - Manufacturing Industries of

Name of Industry	Estab- lish- ments No.	Capital Invested \$	Employees on Salaries		
			Male No.	Female No.	Salaries \$
Chemicals and chemical products.	37	15,110,656	164	35	423,183
Acids, alkalies and salts	3	131,262	5	-	13,691
Inks, printing and writing ...	3	27,524	4	-	6,944
Medicinal and pharmaceutical preparations	3	46,620	3	1	10,885
Miscellaneous chemical products	4	47,638	3	2	5,620
Paints, pigments and varnishes	9	1,517,466	35	16	98,333
Polishes and dressings	3	11,049	4	-	3,879
All other industries	12	13,329,097	110	16	283,831
Miscellaneous industries	50	8,476,871	177	31	415,683
Brooms, brushes and mops	6	234,308	8	5	18,670
Ice, artificial	9	1,511,042	19	5	45,925
Mattresses and springs	3	357,497	15	4	44,063
Musical instruments	3	33,664	4	-	3,619
Shipbuilding and repairs	16	5,661,321	99	12	229,171
Stamps and stencils, rubber and metal	3	48,431	9	3	13,489
Statuary, art goods and church supplies	3	5,486	3	-	2,950
All other industries	7	645,122	20	2	57,776
Central electric stations	76	91,530,687	476	143	1,049,690
TOTAL	1,636	382,525,614	4,998	1,135	11,305,111

PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY, 1931.

British Columbia and the Yukon Territory, 1931. - (Concl'd.)

Employees on Wages			Cost of Materials	Value of Products	
Male	Female	Wages		Gross	Net
No.	No.	\$	\$	\$	\$
559	53	771,076	2,103,608	4,498,504	2,394,896
43	-	102,985	30,438	282,967	252,529
6	-	5,617	14,250	32,550	18,300
18	23	49,378	21,136	82,938	61,802
6	-	7,619	18,746	32,980	14,234
94	12	113,742	571,574	1,020,725	449,151
1	-	215	5,690	11,192	5,502
391	18	491,520	1,441,774	3,035,152	1,593,378
853	25	1,059,671	913,100	3,161,215	2,248,115
65	9	68,043	76,740	181,329	104,589
72	3	87,081	7,951	286,523	278,572
61	11	70,407	157,639	374,299	216,660
3	-	1,838	3,124	9,204	6,080
584	-	766,549	539,999	1,916,448	1,376,449
11	-	11,014	5,383	30,627	25,244
3	-	1,150	1,584	7,358	5,774
54	2	53,589	120,680	355,427	234,747
718	-	1,122,971	-	10,693,004	10,693,004
24,925	3,317	31,337,229	81,906,435	175,707,357	93,800,922

MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY,
1931.

Table 6. - Statistics of the Cities, Towns and Villages in the Province of British Columbia and the Yukon Territory having three or more establishments and a production of \$100,000 and over in 1931.

Cities and Towns	Estab-	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials	Gross
	lish- ments					Value of Products
	No.	\$	No.	\$	\$	\$
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	9,166,961
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	2,221,658
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
Abbotsford	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	333,934	594,235	1,031,431
Nanaimo	23	1,229,873	230	272,534	317,003	1,003,882
Port Moody	4	1,379,363	206	228,799	380,069	827,933
Kelowna	18	667,873	316	209,387	312,517	748,919
Vernon	20	2,433,462	217	203,347	286,208	678,545
Kamloops	15	946,635	128	159,641	163,179	512,825
Cranbrook	12	449,308	70	99,267	139,167	411,639
Duncan	10	534,443	182	129,689	195,282	409,474
Courtney	7	1,207,056	49	57,665	79,506	300,980
Mission	9	385,926	45	41,587	140,963	241,777
Terrace	5	228,389	32	36,752	104,147	221,566
Merritt	8	368,365	63	64,620	64,229	194,151
Chilliwack	11	163,689	59	54,388	56,066	156,917
Salmon Arm	6	67,444	19	18,081	93,971	137,999
Creston	6	112,701	35	30,513	58,578	133,124
Revelstoke	11	398,228	37	44,988	27,315	131,326
Grand Forks	8	128,401	41	37,468	33,085	116,143
Port Coquitlam .	4	426,499	52	53,478	41,874	107,724
Armstrong	6	113,176	25	25,222	31,894	102,347
TOTAL, LEAD-						
ING CITIES AND						
TOWNS	1,178	213,492,351	22,031	26,382,942	48,543,089	109,280,883
TOTAL FOR						
THE PROVINCE AND						
TERRITORY	1,636	382,525,614	34,375	42,642,340	81,906,435	175,707,357

MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY,
1931.

Table 7. - Principal Statistics of the Industries Located in the City of Vancouver,
British Columbia, 1931.

Industries	Estab- lish- ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
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 meat packing	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	1,296,884	140	156,509	1,877,772	3,742,883
Bread and other bakery products	99	2,162,646	817	828,969	1,507,813	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	317,856	1,271,733	1,810,116
Biscuits, confectionery, cocoa and chocolate	30	1,357,865	448	441,244	768,273	1,793,618
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	517,924	1,430,616
Printing and bookbinding.	53	1,477,670	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
Boxes and bags, paper ...	7	719,226	147	192,652	388,912	847,506
Wire and wire goods	6	1,154,137	99	143,181	436,178	741,764
Planing mills	20	880,828	271	322,783	291,578	734,925
Fish curing and packing .	6	233,187	217	167,808	459,866	694,106
Electrical apparatus	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 .	8	218,746	160	123,233	334,855	560,877
Rice mills	3	291,746	23	41,585	377,087	545,842
Shipbuilding	7	783,182	235	225,108	144,709	473,492
Boxes, wooden	5	464,619	222	189,033	203,315	473,184
Paints, pigments and varnishes	6	491,537	64	103,245	255,288	415,569
Lithographing	3	413,574	93	141,197	129,753	370,965
Miscellaneous wood products	6	310,579	78	103,865	161,473	346,763
Boots and shoes, leather.	7	321,015	118	110,169	197,543	313,230
Engraving, stereotyping and electrotyping	8	218,787	93	172,576	42,753	294,215
Stationery goods	4	186,409	56	55,370	195,256	285,368
Foods, miscellaneous	8	119,287	39	39,722	142,727	283,488
Boilers and engines	6	662,954	92	142,540	94,227	270,805
Hardware and tools	5	395,172	79	107,149	118,656	260,200
Aerated waters	6	227,673	55	76,009	72,535	257,388

MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY,
1931.

Table 7. - Principal Statistics of the Industries Located in the City of Vancouver,
British Columbia, 1931. - (Concl'd.)

Industries	Estab- lish- ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
Stone, monumental and ornamental	7	146,664	55	104,831	78,817	246,362
Auto parts	8	251,322	81	105,182	111,332	242,143
Ice, artificial	5	1,070,177	63	93,426	5,808	212,852
Cement products	8	217,927	57	72,259	81,179	211,469
Awnings, tents and sails	5	365,629	58	58,080	106,885	196,547
Machinery	8	294,477	76	110,298	63,397	192,680
Brooms, brushes and mops	6	234,308	87	86,713	76,740	181,329
Coffins and caskets ...	4	172,657	43	46,878	53,029	166,820
Precious metal products	4	54,921	52	82,167	53,553	157,606
Brass and copper products	5	109,513	43	60,459	29,075	120,485
Primary iron and steel.	3	128,000	42	52,001	29,127	117,047
Automobiles	3	414,595	33	42,883	43,091	102,068
Boat building	6	243,001	57	59,361	31,797	94,190
Foods, stock and poultry	3	84,606	18	16,962	51,362	90,818
Macaroni and kindred products	4	173,935	24	19,374	48,670	86,502
Medicinal and pharmaceu- tical preparations ...	3	46,620	45	60,263	21,136	82,938
Fur goods	3	80,536	20	29,787	37,420	65,970
Glass products	7	94,441	29	30,575	21,056	65,182
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	42,782
Inks	3	27,524	10	12,561	14,250	32,550
Clay products	4	35,233	14	10,076	-	31,710
Stamps and stencils ...	3	48,431	23	24,503	5,383	30,627
Blueprinting	4	16,941	14	11,486	7,233	29,632
Ice cream cones	3	13,090	8	5,416	7,672	22,549
Hats and caps	3	5,613	5	5,800	729	9,793
Statuary, art goods and church supplies	3	5,486	6	4,100	1,584	7,358
All other vegetable products 1/	5	11,066,471	529	755,061	5,816,864	9,537,305
All other animal products 1/	9	340,769	93	89,514	157,042	321,494
All other textile products 1/	11	1,276,554	325	303,838	887,890	1,388,210
All other wood and paper products 1/	15	1,037,695	173	212,780	447,075	870,802
All other non-metallic mineral products 1/ .. 1/ 5	97	9,043,711	311	417,997	334,678	1,660,953
All other chemical products	13	724,247	97	127,298	308,907	712,132
All other miscellaneous products 1/	14	4,338,410	499	761,915	1,294,256	3,094,062
TOTAL	681	126,641,532	14,209	17,094,786	33,270,166	72,999,316

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

MANUFACTURING STATISTICS OF THE PROVINCE OF BRITISH COLUMBIA AND THE YUKON TERRITORY, 1931.

Table 8. - Capital Invested in British Columbia and the Yukon Territory, 1927-1931.

Groups of Industries	Fixed Capital	Working Capital			Total Capital
	Land, buildings, fixtures, machinery tools and other equipment	Materials on hand, stocks in process, fuel and mis-cellaneous supplies, etc.	Inventory value of finished products on hand	Operating Capital (cash, bills and accounts receivable prepaid expenses, etc.)	
	\$	\$	\$	\$	\$
Vegetable products	16,456,647	3,824,740	6,455,718	6,479,371	33,216,476
Animal products	12,233,419	4,007,576	521,137	3,537,894	20,550,026
Textiles and textile products	3,463,075	622,156	332,997	833,719	5,251,947
Wood and paper products	81,249,468	8,319,860	6,982,959	13,181,965	109,734,252
Iron and its products	9,312,941	2,693,028	876,636	6,289,541	19,172,146
Non-ferrous metal products	37,450,400	5,554,066	4,715,564	6,323,997	54,044,047
Non-metallic mineral products	21,621,095	1,672,538	1,149,490	1,195,383	25,638,506
Chemicals and allied products	11,495,894	1,528,813	1,119,074	966,875	15,110,656
Miscellaneous industries	6,762,296	699,474	207,821	807,280	8,476,871
Central electric stations	85,492,118	1,994,838	-	4,043,731	91,530,687
TOTAL, 1931	285,587,353	30,917,109	22,361,396	43,659,756	382,525,614
1930	287,655,141	62,956,105		52,717,052	403,328,298
1929	271,164,015	60,815,766		62,887,152	394,866,933
1928	257,034,448	53,518,993		57,345,148	367,898,589
1927	232,934,126	50,066,911		41,996,229	325,047,266

MANUFACTURING STATISTICS OF THE PROVINCE OF

Table 9. - Fuel Consumed in the Manufacturing Industries.

Unit of Measure	1 9 2 7		1 9 2 8		
	Quantity	Value \$	Quantity	Value \$	
Bituminous coal -					
Canadian	Ton	271,171	1,493,455	289,987	1,531,975
Imported	"	94	1,198	1,079	11,794
Anthracite coal	"	5,466	38,022	1,173	10,592
Lignite coal -					
Canadian	Ton	740	5,808	690	6,461
Imported	"	43	490	65	1,025
Coke	"	108,565	1,029,867	17,355	86,288
Gasoline	Gallon	184,577	47,951	270,459	69,474
Fuel oil	"	28,792,501	1,317,613	29,055,041	1,242,473
Wood	Cord	80,037	272,799	82,661	309,428
Gas, manufactured	M cu.ft.	674,287	139,082	356,850	95,891
Other fuel	-	-	127,569	-	101,619
TOTAL	-	-	4,473,854	-	3,467,020

Table 10. - Power Equipment in British Columbia

Groups of Industries	Steam engines and turbines	Internal combustion engines	Hydraulic turbines or water-wheels	Total Primary Power
	H.P.	H.P.	H.P.	H.P.
Vegetable products	1,868	58	40	1,966
Animal products	2,016	2,300	957	5,273
Textiles and textile products	1,390	-	-	1,390
Wood and paper products	99,032	1,929	107,952	208,963
Iron and steel products	536	132	10	678
Non-ferrous metal products	8,000	288	14,035	22,323
Non-metallic mineral products	1,718	94	3	1,815
Chemicals and allied products	196	3	-	199
Miscellaneous industry products ...	393	83	-	476
TOTAL, MANUFACTURING INDUSTRIES, 1931	115,199	4,887	122,997	243,083
1930	125,967	7,178	100,098	233,243
1929	122,922	7,411	100,004	230,337
1928	115,359	6,345	97,317	219,021
1927	117,046	6,745	84,455	208,246
CENTRAL ELECTRIC STATIONS, 1931	48,830	3,977	502,255	555,062
1930	46,143	3,911	509,785	559,839
1929	46,493	3,251	413,785	463,529
1928	39,911	3,306	395,485	438,702
1927	39,804	2,934	332,595	375,333

BRITISH COLUMBIA AND THE YUKON TERRITORY, 1931.

of British Columbia and the Yukon Territory, 1927-1931.

1929		1930		1931	
Quantity	Value	Quantity	Value	Quantity	Value
	\$		\$		\$
255,138	1,393,365	221,388	1,159,619	198,886	983,261
191	2,951	220	3,516	433	4,606
431	5,283	310	4,520	-	-
1,143	10,236	675	5,922	3,541	19,519
29	325	123	1,126	12	74
13,013	106,475	13,757	101,745	14,081	96,953
353,239	95,256	241,037	66,656	135,192	33,618
43,525,256	1,749,430	37,765,092	1,493,453	30,945,374	1,201,616
109,260	427,572	180,864	375,197	166,790	333,015
766,877	156,561	744,568	150,395	409,990	114,403
-	119,239	-	133,609	-	244,259
-	4,066,693	-	3,495,758	-	3,031,324

and the Yukon Territory, 1927-1931.

Electric Motors			
Operated by purchased power	Operated by power generated by the establishment	Total Electric Motors	Total power equipment for manufacturing purposes
H.P.	H.P.	H.P.	H.P.
10,355	197	10,552	12,321
4,461	68	4,529	9,734
1,479	-	1,479	2,869
32,995	97,626	130,621	241,958
8,816	-	8,816	9,494
117,254	9,990	127,244	139,577
11,545	232	11,777	13,360
17,993	-	17,993	18,192
8,856	-	8,856	9,332
213,754	108,113	321,867	456,837
196,679	91,760	288,439	429,922
190,910	91,381	282,291	421,247
161,411	97,677	259,088	380,432
123,433	84,024	207,457	331,679
-	-	-	555,062
-	-	-	559,839
-	-	-	463,529
-	-	-	438,702
-	-	-	375,333

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