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DOMINION BUREAU OF STATISTICS - CANADA
 Dominion Statistician: R. H. Bats, B.A., F.S.S. (Hon.), F.R.S.C.
 Mining, Metallurgical and Chemical Branch
 Chief: W. H. Losee, B.Sc.

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THE ACIDS, ALKALIES AND SALTS INDUSTRY IN CANADA, 1930.

Production from the acids, alkalies and salts industry in Canada during 1930 was valued at \$20,111,602 as compared with \$28,021,972 in 1929 and \$21,256,286 in 1928. Seventeen plants were in operation including 10 in Ontario, 3 in Quebec, 3 in British Columbia, and 1 in Nova Scotia. Capital employed by these concerns was reported at \$52,314,567; employees numbered 3,409; payments for salaries and wages totalled \$3,502,834, and materials used in manufacturing cost \$4,712,471.

Production of 66° Be sulphuric acid in Canada totalled 107,352 tons of which 93,913 tons at \$1,138,441 were made for sale and the remainder for further use in the makers' chemical plants. Eight different plants produced sulphuric acid in 1930.

Hydrochloric acid was made in 3 plants, all operated by the same company. Nitric acid, acetic acid, nitre cake and calcium carbide were each made in 2 factories during 1930, while each of the following chemicals was made in only one plant: calcium cyanamide, sodium carbonate, sodium cyanide, sodium hydroxide, phosphorus, phosphoric acid, ammonium phosphate, sodium hypochlorite, liquid chlorine, acetylene black, hydrofluosilicic acid, butyl acetate, ethyl acetate, paraldehyde, pentasol acetate, vinyl acetate, croton aldehyde, and synthetic anhydrous ammonia.

Except for sulphuric acid output figures for the chemicals made in this industry cannot be given out because of the fact that there were only 1 or 2 producers in each case.

Table 1 - PRINCIPAL STATISTICS OF THE ACIDS, ALKALIES AND SALTS INDUSTRY IN CANADA, 1928-1930.

Years	Number of plants	Capital employed	Average number of employees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
		\$		\$	\$	\$	\$
1928 ...	16	40,024,624	2,517	3,490,409	4,998,088	21,256,286	16,258,198
1929 ...	15	49,417,431	2,897	4,338,686	6,301,121	28,021,972	21,720,851
1930 -							
Nova Scotia 1) and Quebec. 3)		17,979,898	876	1,195,070	2,090,636	6,602,062	4,511,426
Ontario....10		33,970,318	1,500	2,244,921	2,572,227	13,197,159	10,624,932
British Columbia.. 3		364,351	33	62,843	49,608	312,381	262,773
CANADA.....17		52,314,567	3,409	3,502,834	4,712,471	20,111,602	15,399,131

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2,409

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Table 2 - CAPITAL EMPLOYED, BY PROVINCES, 1929 and 1930.

Provinces	Number of plants	Cost of lands, buildings, machinery and tools	Cost of supplies and stocks on hand	Cash, trading, and operating accounts and bills receivable	T O T A L
		\$	\$	\$	
<u>1929</u>					
Nova Scotia)	1				
Quebec.....(	3	13,871,627	2,028,652	1,671,692	17,571,971
Ontario.....	8	21,239,020	3,251,919	6,990,195	31,481,134
British Columbia.....	3	350,441	13,885	...	364,326
CANADA.....	15	35,461,088	5,294,456	8,661,887	49,417,431
<u>1930</u>					
Nova Scotia)	1				
Quebec.....(	3	14,497,785	1,680,419	1,801,694	17,979,898
Ontario.....	10	23,214,856	3,361,555	7,393,907	33,970,318
British Columbia.....	3	351,440	12,911	...	364,351
CANADA.....	17	38,064,081	5,054,885	9,195,601	52,314,567

Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1929 and 1930.

Provinces	On salaries		On wages		Total employees	Salaries	Wages	Total salaries and wages
	Male	Female	Male	Female				
						\$	\$	\$
<u>1929</u>								
Nova Scotia)								
Quebec.....(	106	11	881	...	998	295,312	1,073,626	1,368,938
Ontario.....	244	15	1,589	8	1,856	512,718	2,375,932	2,888,650
British Columbia.	4	...	39	...	43	12,260	68,830	81,090
CANADA.....	354	26	2,509	8	2,897	820,290	3,518,396	4,338,686
<u>1930</u>								
Nova Scotia)								
Quebec.....)	138	17	721	...	876	419,172	775,898	1,195,070
Ontario.....	209	20	1,267	4	1,500	456,728	1,788,193	2,244,921
British Columbia:	4	...	29	...	33	12,320	50,523	62,843
CANADA.....	351	37	2,017	4	3,409	888,220	2,614,614	3,502,834

Table 4 - FUEL USED, 1929 and 1930.

Kinds	Unit of measure	1929		1930	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian..	short ton	7,617	43,730	3,078	18,936
	Foreign...short ton	155,293	643,820	118,316	474,944
Anthracite coal.....	short ton	251	1,702	294	1,971
Coke.....	short ton	1,409	13,199	1,538	14,289
Fuel oil.....	Imp. gal.	26,386	2,239	132,283	12,584
Wood.....	cord	17	42	...	...
Electricity purchased.....	k.w.h.	901,767,971	2,216,397	721,286,770	1,968,066
TOTAL.....	-	...	2,921,129	...	2,490,790
Electricity generated for own use.....	k.w.h.	64,546,979	...	66,312,499	...

Table 5 - POWER EMPLOYED, 1929 and 1930.

Kinds	1929		1930	
	No. of units	Total h.p. according to manufacturers' rating	No. of units	Total h.p. according to manufacturers' rating
Steam engines and steam turbines...	32	11,250	34	11,280
Gasoline, gas and oil engines.....	1	225	1	225
Hydraulic turbines and water wheels	4	8,000	4	8,000
Electric motors operated by purchased power.....	1,218	32,193	1,287	32,471
Total power employed.....	1,255	51,668	1,326	51,976
Electric motors operated by power generated in the same plant.....	357	5,570	391	6,049
Boilers.....	29	11,157	36	11,278

LIST OF FIRMS INCLUDED IN THE ACIDS, ALKALIES AND SALTS INDUSTRY IN CANADA, 1930.

Name	Location of plant	Products made
Dominion Iron and Steel Co. Ltd.	Sydney, N.S.	Sulphuric acid
Electric Reduction Co. Ltd.	Buckingham, P.Q.	Phosphorus, phosphoric acid, iron phosphide, and ammonium phosphate
Shawinigan Chemicals Ltd.	Shawinigan Falls, P.Q. (2 plants)	Calcium carbide, acetylene black, glacial acetic acid, butyl acetate, ethyl acetate, paraldehyde, croton aldehyde, vinyl acetate, and pentosal acetate.
American Cyanamid Co.	Niagara Falls, Ont.	Calcium cyanamide, and sodium cyanide.
Brunner, Mond Canada, Ltd.	Anherstburg, Ont.	Sodium carbonate (soda ash).
Canadian Industries Ltd.	Coniston, Ont.	Sulphuric acid
Canadian Hanson & Van Winkle Co. Ltd.	15 Morrow Ave., Toronto, Ont.	Plating supplies
Canadian Industries Ltd.	Copper Cliff, Ont.	Sulphuric acid, sodium bisulphate (nitre cake)
Canadian Industries Ltd.	Burlington St., Hamilton, Ont.	Acetic acid 28%, hydrochloric acid, nitric acid, sulphuric acid, sodium bisulphate (nitre cake), sodium sulphate (glauber salt), sodium sulphate (salt cake) calcined, cadmium anodes, and soldering flux.
Canadian Industries Ltd.	Sandwich, Ont.	Hydrochloric acid, liquid chlorine, sodium hydroxide (caustic soda), sodium hypochlorite, and synthetic anhydrous ammonia.
Electro Metallurgical Co. of Canada, Ltd.	Welland, Ont.	Calcium carbide
H. S. & T. Crystal Co. Ltd.	169 Yonge St., Toronto, Ont.	Satin white
The Nichols Chemical Co. Ltd.	Sulphide, Ont.	Nitric acid, sulphuric acid, sodium bisulphate (nitre cake)
Canadian Industries Ltd.	New Westminster, B.C.	Sulphuric acid, sulphurous acid and hydrochloric acid.
Consolidated Mining & Smelting Co. of Canada, Ltd.	Trail, B.C.	Hydrofluosilicic acid, and sulphuric acid.
The Nichols Chemical Co. Ltd.	Barnet, B.C.	Sulphuric acid.

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