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DOMINION BUREAU OF STATISTICS - CARADA
Dominion Statistician: R. H. Coats, B.A., F.S.S.(Hon.), F.R.S.C.

Wining, Metallurgical and Chemical Branch Chief: W. H. Losee, B.Sc.

PRELIMINARY SUMMARY REPORT ON CHEMICANS AND ALLIED PRODUCTS IN CANADA, 1931.

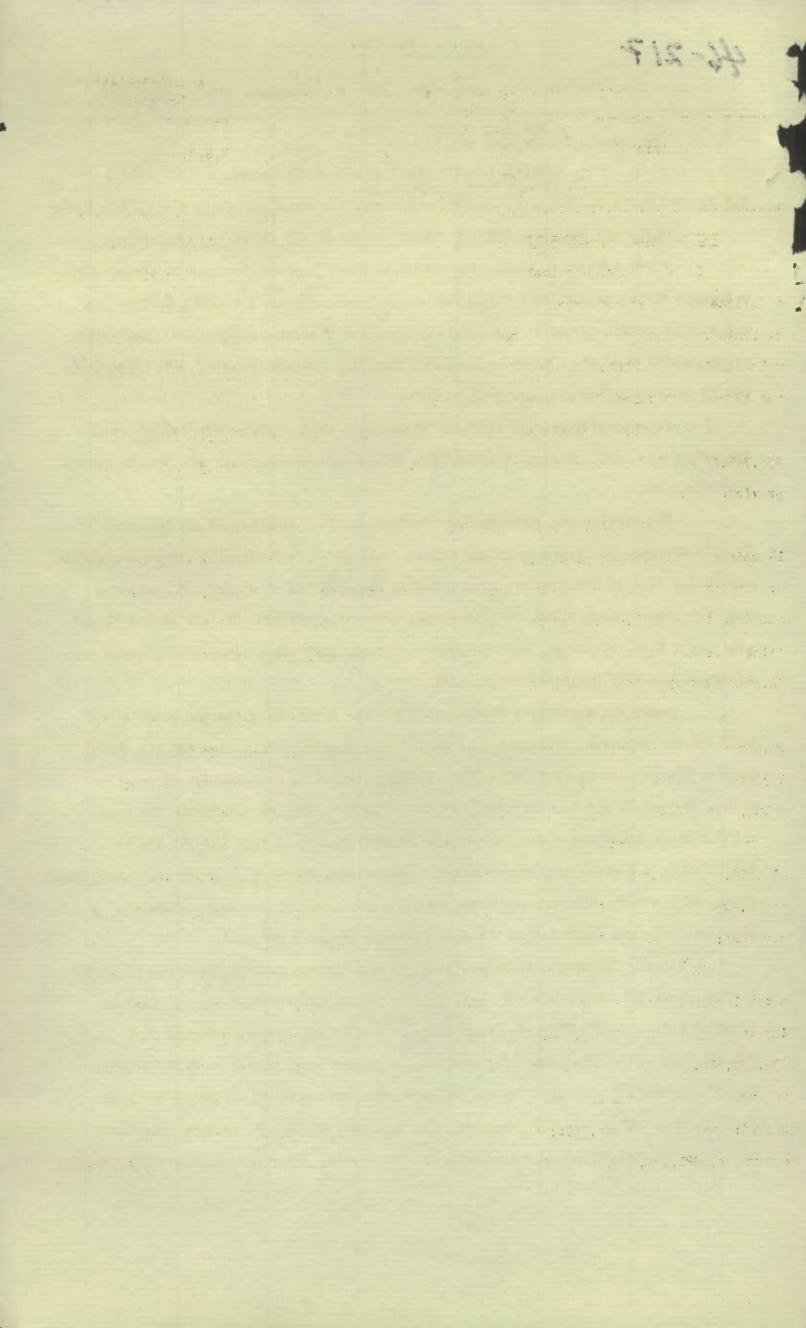
Production of chemicals and allied products in Canada during 1931 registered a decline of 15 per cent from the total of the previous year, according to the preliminary report issued by the Dominion Eureau of Statistics at Ottawa. The output value in 1931 was \$101,137,499 as compared with \$119,969,637 in 1930. The 1930 output was 13 per cent below the peak year of 1929.

Imports of chemicals declined 15 per cent to a total of \$31,336,994 from \$36,785,050 in 1930. Exports totalled \$10,848,946 as compared with \$16,320,506 in the previous year.

For statistical purposes the Canadian chemical industry is divided into 14 main groups. Ten of these groups showed declines while 4 actually reported a higher production than in the previous year. Toilet preparations at \$5,172,039, polishes and dressings at \$1,475,058, and flavouring extracts at \$1,609,501, all showed slight gains over the 1930 output, and the products of the fertilizer industry increased from \$2,504,573 in 1930 to \$4,147,315 ir 1931.

Among the industries showing declines the acids, alkalies and salts group suffered the greatest. Production of these heavy chemicals fell from \$20,111,602 in 1930 to \$10,767,219 in 1931. The paint industry, which is the greatest in point of value, dropped 20 per cent from \$23,966,502 in 1930 to \$19,182,327 during the year under review; soaps and washing compounds industry decreased from \$18,167,838 to \$16,822,000; medicinal and pharmaceutical preparations declined 14.4 per cent; compressed gases, 23 per cent; coal tar products, 23 per cent; inks, 10 per cent; adhesives, 9 per cent; and those included in the miscellaneous grup, 6 per cent.

In the 592 plants included in the chemical group in 1931 there was employed a total of 14,317 people who were paid \$20,223 662 in salaries and wages. Capital invested totalled \$161,063,565. Purchased naturals used in manufacturing cost \$39,675,610, and as the value of products name for sale was placed at \$101,137,499, the value added by manufacturing was \$61,461,889. Comparative statistics for 1930 showed: number of plants, 591; capital, \$168,119,152; employees, 15,503; salaries and wages, \$21,041,789; cost of materials, \$46,165,038; value of products, \$119,969,637;



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value added by manufacturing, \$71,804,599.

It is in the provinces of Ontario and Quebec where the greatest number of Canada's chemical industries are situated. In 1931 there were 313 plants in Ontario with a capital investment of \$80,543,713 and a production totalling \$58,843,402, while in Quebec 173 plants had a total capital employed amounting to \$57,386,814 and a gross value of output worth \$31,257,587. British Columbia was third with a total capital investment in 38 chemical plants of \$15,113,122 and an output of \$4,279,669. In Manitoba, 33 plants produced \$3,060,051 worth of chemical products; Nova Scotia's chemical industry was represented by 11 establishments and a production of \$2,021,561; 8 reported from New Brunswick with an output value of \$977,738; and Saskatchewan and Alberta were represented by 16 plants with a combined output of \$697,491.

Of the total imports of \$31,336,994, about 67 per cent or \$21,149,849 were from the United States, 13 per cent or \$3,896,530 from the United Kingdom, and 8 per cent from Germany. France, Belgium, Netherlands and Chile were also important sources of supply.

Of the total exports of \$10,848,946 in 1931 over 42 per cent or \$4,546,634 was sold to the United States and 27 per cent or \$2,907,638 to the United Kingdom, 10 per cent or \$1,106,255 was exported to Mexico. Newfoundland took chemical products totalling \$286,151 and Cuba's imports of chemicals from Canada amounted to \$201,312.

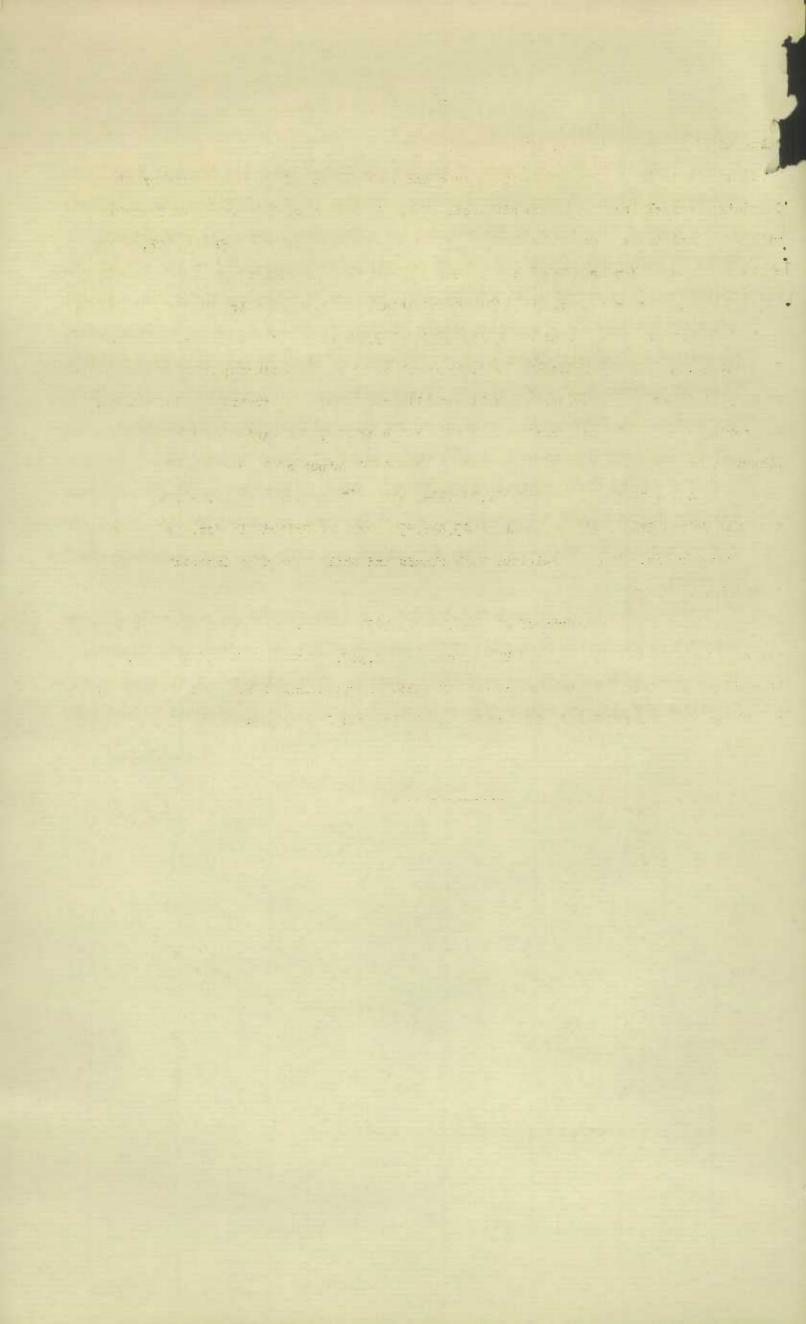


TABLE 1 - PRELIMINARY STATISTICS.

(a) Chemicals and Allied Products in Canada, by Industries, 1927-1931.									
	97 9	0 11 7	Average	a		Selling	17-3		
Years	Number	Capital		Salaries		value of	Value added by manu-		
rears	of plants	empl oyed		wages	materials at works	products at works	facturing		
	DI COLIVO	\$	pro) 668	\$	At Works	\$	3		
			COAL T	AR DISTILLA	PION				
1927		4,115,151	179	253,178	2,286,134	3,616,532	1,330,398		
1928		4,696,588	210	324,935	2,657,572	4,190,823	1,533,251		
1929		4,982,333	57 2	353,970	2,655,555 2,354,551	3,81,8,050 3,33 ⁴ ,066	1,159,495 979,515		
1931		5,043,677	193	325,116	1,850,350	2,576,102	725. 752		
		7,0.7,011	- //	-,,,,,,,	2,0,0,0,0	44,510,100			
				LKALIES AND	SALTS		-0 -0 (0 000		
1927		31,134,457	1,881	2,858,644	1,090,509	17,085,788	12,996,279		
1928	16 15	40,024,624	2,517	3,490,409	4,998,088	21,256,286	16,258,198 21,720,851		
1930	17	52,314,567	2,409	3,502,834	4,712,471	20,111,602	15,399,131		
1931	14	44,994,828	1,232	2,428,830	2,393,132	10,767,219	8,374,037		
1927	25	4,177,794	404	MPRESSED GAS 504,417	SES 550,795	2,625,698	2,074,903		
1928		4,226,037	426		479.587	3,145,884	2,656,297		
1929	- Company	4,995,560	542	652,893	785,377	3,967,416	3,182,039		
1930		5,020,875	472	7,37,240	501,975	3,557,486	3,052,511		
1931	29	4,498,101	415	646,089	1121,0148	2,752,558	2,331,510		
			PATW	S, PIGMENTS	AND VARNISHE	īS			
1927	62	23,162,090	2,563	3,552,586	10,474,908	22,606,063	12,131,155		
1928	68	24,256,008	2,381	3,967,295	11,387,295	24,705,733	13,516,438		
1929	69	26,471,976	2,851	4,260,019	12,414,829	27,103,465	14,683,636		
1930	78	26,212,828	2,835	4,307,998	11,094,435	23,966,502	12,872,067		
1931	77	25,326,583	2,774	4,162,550	0,515,045	19,100,001	10,000,010		
			SOA	PS AND WASH	ING COMPOUNDS				
1927		16,128,456	1,549		9,890,020	15,528,100	5,638,080		
1928	71	17,995,983	1,884		10,190,307	16,998,726	6,808,199		
1929	-	18,152,849	1,854	2,578.507	9,996,759	19,218,726	8,171,099		
1931	and a	15,244,274	1,678	2,467,750	7,992,680	16,822,000	8,829,720		
El-pan Eff.		heathan E.E.							
1027	276	37 5)10 333			MACEUTICAL PE		10 1197 172		
1927		17,542,111	2,578 2,667	3,160,802	5,762,019	16,249,191	10,487,172		
1929		19,552,949	2,849	3,672,373	6.300,894	19,038,894	12,738,000		
1930	144	18,843,192	2,833	3,663,307	5,563,081	17:768,806	12,205,725		
1931	140	16,691,211	2,694	3,667,747	4,572,216	15,206,176	10,633,960		
	TOILET PRETARATIONS								
1927	48	3,124,209	557	624,922	1,497,699	4,465,353	2,967.554		
1928	jiji	2,927,525	558	627,852	1,494,084	4,618,291	3,124,207		
1929	49	3,121,617	577	667,339	1,577,642	4,451,588	2,873,9116		
1930		3,345,387	629	732,251	1,346,445	4,206,513	2,860,068 3,1:39,185		
1931	50	4,103,906	752	811,070	1,732,854	5,172,039	2, 37, 200		
				FERRILIZE					
1927		1,998,811	233	224,564	1,200,030	1,344,032	644,002		
1928		2,131,905	251	281,109	1,146,800	2,189,936	743,186 808,527		
1929		2,991,783	251 261	265,650 262,928	1,450,253	2,258,730 2,504,573	857,095		
1931		15, 365, 829	602	812,147	2,806,256	4,147,315	1,341,059		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							

Note: - Figures for 1931 are preliminary and therefore subject to revision.

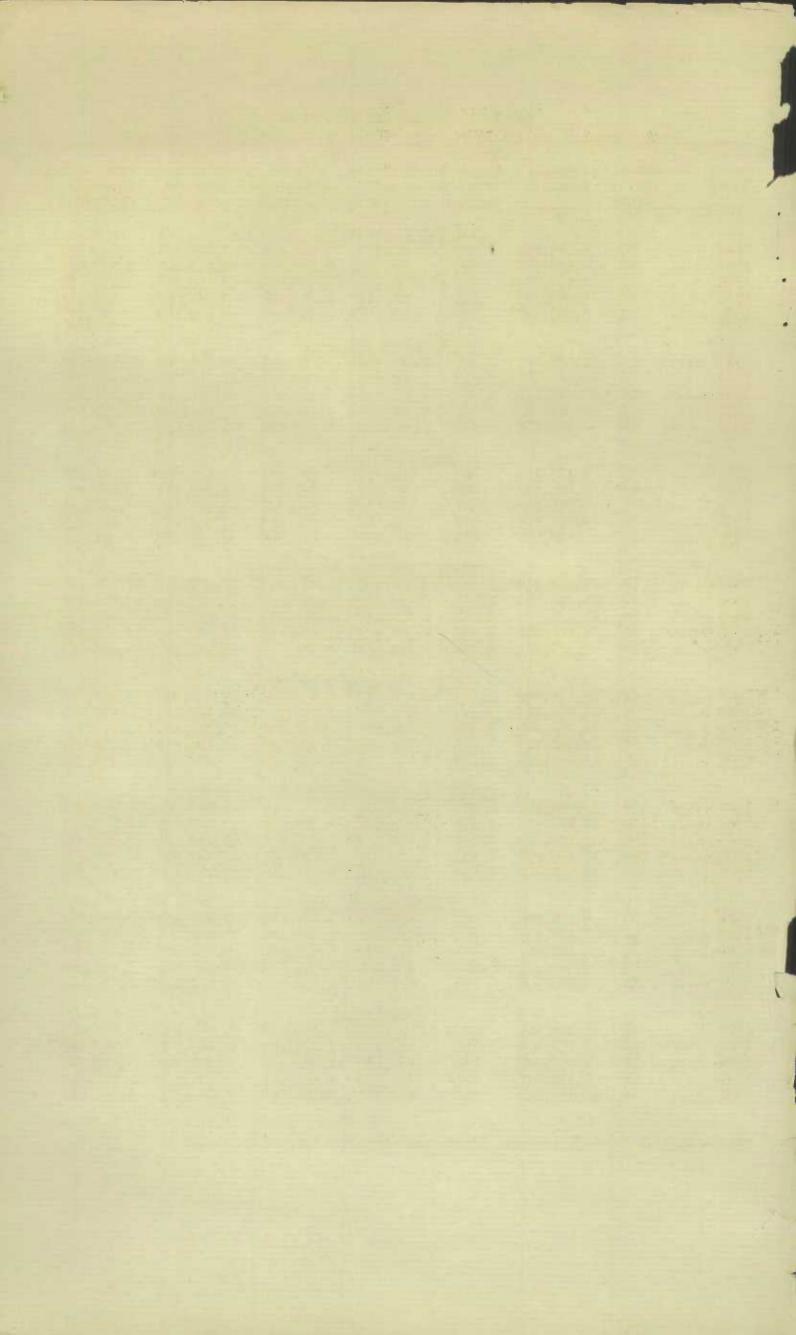


TABLE 1 - PRINCIPAL STATISTICS (centinued)

(a) Chemicals and Allied Products in Canada, by Industries, 1927-1931.

			Average		THE RESERVE OF THE PARTY AND PARTY AND PARTY AND PARTY AND PARTY.	Selling		
	Number	A	number	Salaries	a Cost of	value of	Value added	
Years	of	employed	of em-	and	materials	A	by manu-	
	plants		ployees		the state of the s	at works	faciouring	
		\$		\$	i s	*		
			WCOI	DISTULLATIO	717			
1927	10	1,889,004	288	271,038	\$63,717	1,572,176	707,459	
1928		1,370,040	21,4	241,363	824,322	1,630,609	806,287	
1929		2,028,757	543	252,281	736,9511	1,680,332	943,378	
1930		2,263,181	167	160,928	504,323	1,195,986	691,663	
1931	5	1,644,073	1.23	119,132	379-147	700,937	321,790	
				IMAS				
1927		2,315,483	401	683,777	1,032,983	2,830,225	1,747,242	
1928		2,451,858	373	721,458	1,069,237	2,917,603	1,848,365	
1929		2,597,263	302	735,778	1,097,315	3,038,049	1.940,73	
1930 1931		2,457,856 2,296,883	376 366	748,704	995,253	2,559,316 2,00,143	1,564,063	
a))		-,-,0,00)	500	(0),000	758,296	2, 10,14)	1.5 ta, ott	
				ADLESIVES				
1927		1,593,196	261	357.034	921,301	1,934,240	1,013,108	
1928		1,805,699	283	345,152	934,301	1,956,865	972,56	
1929		1,850,273	267	321 , 296 286 , 825	962,940 882,908	1,830,644	867,70 ^h 767,786	
1931		2,156,836	200	247.765	757,807	1,498,774	740,967	
					151,11	-,,,,,,,		
3007	7-,	2)102 0/2		ISHES AND DR		- 1/00	7 (44	
1927		1,401,061 1,348,394	248	299,795	671,423	1,422,111	750,688	
1329		1,253,657	215	298,733	653,788	1,396,675	742, 887 725, 362	
1930		1,414,276	202	269,187	627 642	1,346,899	719,257	
1931	34	1,804,922	264	575,724	581.356	1,475,058	893,702	
			यत./	VOURING REAL	DA 2012			
1927	20	1,558,170		318,511		1,821,374	714,291	
1928	. 23	1,603,001	313		1,122,243	1,874,099	751,856	
1929		1,644,497	327	435,728	1,013,402	1,810,896	797,494	
1930		1,587,091	255	310,369	893,214	1,541,092	550,878 741,974	
17)L	C'T	1,410,000	239	562, 398	867,527	1,609,501	771,71	
		-1			(ICAL INDUSTI			
1927		24,478,846	3,145	3,406,450	7.366,435	17,846,729	10,480,294	
1928		26,174,752	3,333	3,156,747	7,918,833	19,573,929	11,655,096	
1930		26,825,967 25,215,927	3,187	3,657,827	8,252,160	20,950,186	12,698,026	
1931		20,475,504	2,735	3,114,788	5,989,292	16,927,350	10.938,058	
						SEC. 21-	THE THE THE	
TOTAL CHEMICALS AND ALLIED PRODUCTS								
1927	561	134,618,839	14,559	18,656,851	47,765,066	111,447,612	63.682,546	
1928	_	148,939,920	16,130	20,290,417	50,934,591	123,677,860	72,743,469	
1929		165,886,912	16,694	22,639,449	55,181,337	138,545,221	83,360,884	
1930	591	168,119,152	15,503	21,041,789	48,165,038	119,969,637	71,804,599	
1931	592	161,063,565	14,317	20,223,662	39,675,610	101,137,499	61,461,889	

Note: - Pigures for 1931 are preliminary and therefore subject to evision.

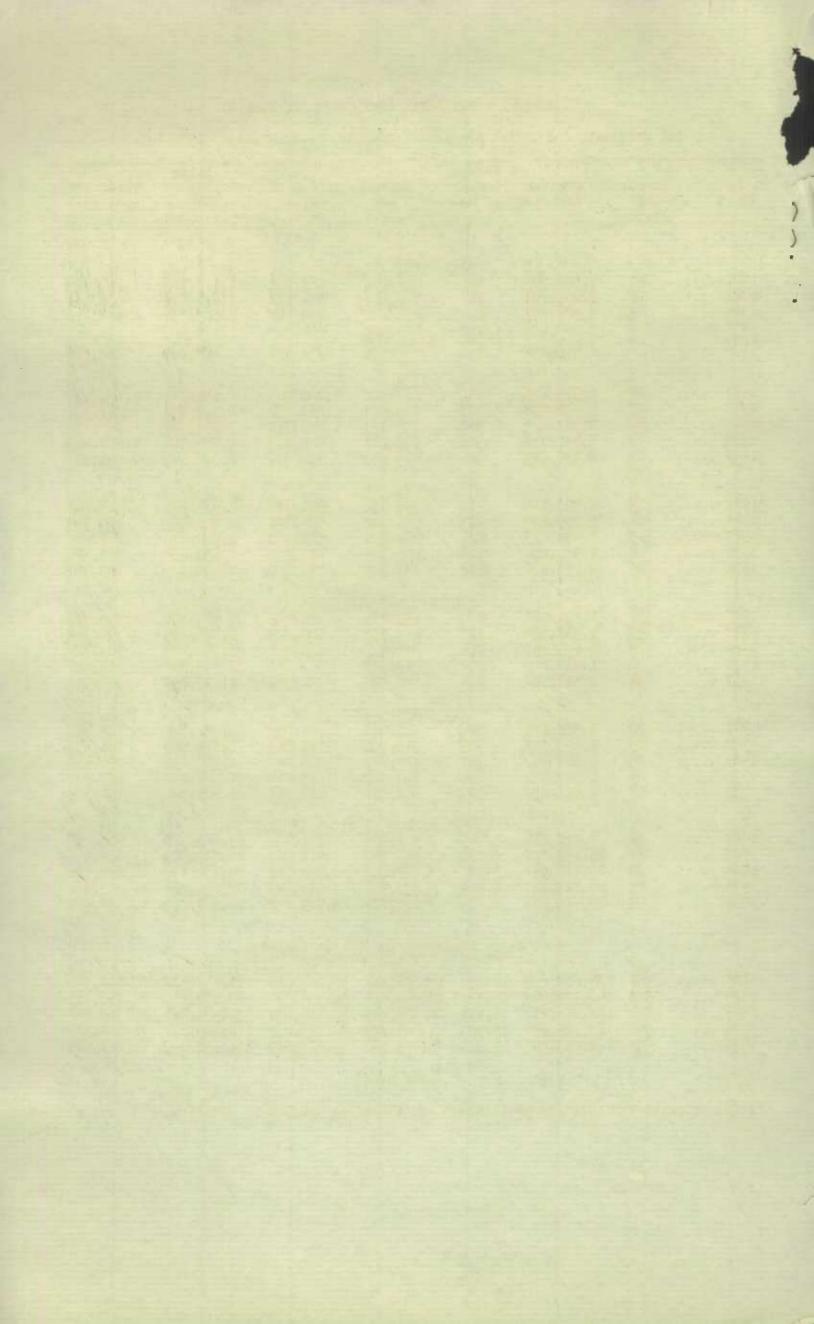


TABLE 1 - PRINCIPAL STATISTICS (continued)

	(b) Chem	icals and All			da. by Provin		31.
The second of th			Average			Selling	
77	Number	Capital	number	Salaries		value of	Value added
Years	of	employed	of em-	and	materials	-	by manu-
	plants	\$	ployees	wages \$	at works	at works	facturing
				*	*	*	Ψ
		Annual Contract of the Contrac		A and PRINCE			
1927		2,050,522	216	233,221	826,956	2,086,346	1,259,390
1928		2,042,562	227	240,657	1,052,767	2,281,680	1,228,913
1929		2,507,484 2,357,832	243	252,276 255,422	1,022,891	2,280,099	1,257,208
1931		2,401,141	230	259.746	1,091,103	2,021,561	930,458
1927	8	794,194	100	NEW BRUNSWICE 123,237	623,901	953,169	329,268
1928		809,692	84	113,858	707,364	1,018,960	
1929		890,904	84	118,155	738,872	1,066,357	311,596 327,484
1930		738,047	69	107,700	590,212	974,669	384,457
+7)+	0	697,779	88	127,934	497,884	977.738	479,854
3007	. 70	11 00 0 600	- 1.00	QUEBEC	-1 (1)		
1927		47,918,692 53,567,970	5,429	6,446,096	14,644,139	35,823,742	21,179,603 22,927,489
1929		59,444,723	5,746 5,814	6,616,618 7,211,454	15,252,257 16,040,533	38,179,746	25, 828, 431
1930		59,129,120	5,521	7,069,948	14,387,650	37,143,494	22,755,844
1931		57,386,814	4,959	6,798,185	11,658,926	31,257,587	19,598,661
				ANTE A D. T.O.			
1927	299	72,742,913	7.757	ONTARIO 10,513,169	27,116,258	63,163,881	36,047,623
1928		81,514,536	8,939	11,841,677	28,887,475	71,090,889	42,203,414
1929		91,052,592	9,260	13, 314, 547	32,209,240	81,537,742	49,328,502
1930		93,398,822	8,403	11,898,131	27,823,839	70,212,507	42,388,668
1931	313	80,543,713	7,546	10,966,592	22,577,798	58,843,402	36,265,604
				MANITOBA			
1927	_	4,636,117	485	615,324	2,209,096	4,306,124	2,099,028
1928		4,322,782	518	662,029	2,418,010	5,327,362	2,909,352
1929		4,968,812	625	817,106	2,395,675	5,387,195	2,991,520 2,074,864
1931		5,071,012	581 570	729,909	1,936,600	3,060,051	1,633,488
7,700,000,001 1,000,001							
1927	11	586,430	SASK 84	ATCHEWAN AND	323,243	579,001	255,758
1928		598,569	89	109,507	440,298	678,854	238,556
1929		566,407	80	115,378	417,034	743,331	326,297
1930		995,197	127	178,317	405,040	875,009	469,969
1931	15	960,774	112	157,004	281,438	697,491	416,053
				BRITISH COLU		- Files	
1927		5,889,971	488	614,980	2,021,473	4,535,349	2,513,876
1928		8,083,809	527	706,071	2,176,220	5,100,369	2,924,149
1929		6,455,990	588	810,533	2,360,092	5,661,533	3,301,441 2,647,194
1930		6,429,122	575 812	802,362	1,967,025	4,614,219	2,137,771
	7.	-5,2-5,1-6		=, =, 0, =00	-,2.2,000	, - , , , , , ,	1-2111
CANADA							
1027	E61	17)1 610 070	1)1 550	19 656 953	117 765 066	111 1117 612	63,682,546
1927	-	134,618,839	14,559	18,656,851 20,290,417	47,765,066 50,934,391	111,447,612 123,677,860	72,743,469
1929		165,886,912	16,694	22,639,449	55,184,337	138,545,221	83,360,884
1930		168,119,152	15,503	21,041,789	48,165,038	119,969,637	71,804,599
1931	592	161,063,565	14,317	20,223,662	39,675,610	10_ 137,499	61,461,889

Note: - Figures for 1931 are preliminary and therefore subject to revision.

