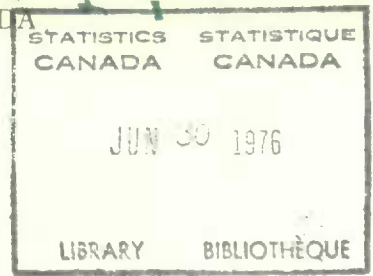


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CANADA



THE ADHESIVES INDUSTRY

1950

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NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- XII Iron and Steel Products
- XIII Transportation Equipment
- XIV Non-ferrous Metal Products
- XV Electrical Apparatus and Supplies
- XVI Non-metallic Mineral Products
- XVII Products of Petroleum and Coal
- XVIII Chemicals and Allied Products

The present report belongs in Group XVIII, Chemicals and Allied Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A General Review, 25¢.
- B The Acids, Alkalies and Salts Industry, 25¢.
- C The Fertilizer Manufacturing Industry, 25¢.
- D The Fertilizer Trade in Canada, 30¢.
- E The Medicinal and Pharmaceutical Preparations Industry, 25¢.
- F The Paints, Varnishes and Lacquers Industry, 25¢.
- G The Primary Plastics Industry, 25¢.
- H The Soaps, Washing Compounds and Cleaning Preparations Industry, 25¢.
- I The Toilet Preparations Industry, 25¢.
- J The Vegetable Oils Industry, 25¢.
- K The Inks Industry, 25¢.
- L The Adhesives Industry, 25¢.
- M The Polishes and Dressings Industry, 25¢.
- N The Compressed Gases Industry, 25¢.
- O The Coal Tar Distillation Industry, 25¢.
- P The Miscellaneous Chemical Products Industry, 25¢.

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THE ADHESIVES INDUSTRY

1950

This report on the Adhesives Industry in Canada covers the operations of all factories which made glue, mucilage, paste or special adhesive cements as their chief products. In 1950 there were 28 establishments in this group, 16 being located in Ontario, 9 in Quebec, 2 in British Columbia and 1 in Manitoba.

Production by firms in the Adhesives Industry was valued at \$9,679,396 in 1950, an increase of 23.7 per cent over the 1949 total of \$7,824,564. The number of employees declined 10.7 per cent to 669 while salaries and wages at \$1,723,015 were off slightly from the \$1,727,848 paid in 1949. The cost of fuel and electricity at \$364,849 was higher by 7.4 per cent than in 1949 and the value of materials

used direct in manufacturing processes was 20.6 per cent higher at \$5,086,086.

Output of adhesives during 1950, including small amounts from other industries, was as follows: linoleum cement, 5,803,000 pounds at \$324,000; rubber cement, 348,000 gallons at \$575,000; bone and hide glue, 8,153,000 pounds at \$2,207,000; case-in glue, 966,000 pounds at \$242,000; flexible glue, 2,020,000 pounds at \$479,000; fish glue valued at \$418,000; synthetic resin glue, 12,330,000 pounds at \$1,402,000; vegetable glues, 19,693,000 pounds at \$1,811,000; mucilage and paste valued at \$698,000 and miscellaneous adhesives at \$974,000. The total value of all adhesives, including mucilage and paste, was \$9,130,000 in 1950 compared with \$7,681,000 in 1949 and \$7,775,000 in 1948.

TABLE 1. Principal Statistics of the Adhesives Industry, 1946-1950

Year	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works	Net ¹ value of production
			\$	\$	\$	\$	\$
1946	22	674	1,223,032	222,384	3,749,579	6,784,313	2,812,350
1947	26	729	1,551,084	274,789	4,303,021	7,415,610	2,837,800
1948	25	771	1,829,603	356,191	4,701,297	8,660,211	3,602,723
1949	25	749	1,727,848	339,839	4,218,359	7,824,564	3,266,366
1950	28	669	1,723,015	364,849	5,086,086	9,679,396	4,228,461
Per cent change 1950 from 1949	-	-10.7	-	+7.4	+20.6	+23.7	+29.1

1. Gross value less cost of materials, fuel and electricity.

Note. Profits or losses cannot be calculated from figures in Table 1 as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Principal Statistics, by Provinces, 1949 and 1950

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1949						
Quebec	7	177	360,117	35,058	1,272,306	2,355,280
Ontario	16	572	1,367,731	304,781	2,946,053	5,469,284
British Columbia	2					
Canada	25	749	1,727,848	339,839	4,218,359	7,824,564
1950						
Quebec	9	200	461,528	46,105	1,796,373	3,039,740
Ontario	16	415	1,112,571	308,825	2,754,883	5,725,560
British Columbia	2	54	148,916	9,919	534,830	914,096
Manitoba	1					
Canada	28	669	1,723,015	364,849	5,086,086	9,679,396

TABLE 3. Products Made in the Adhesives Industry, 1949 and 1950

Product	1949		1950	
	Quantity	Selling value at works	Quantity	Selling value at works
	lb.	\$	lb.	\$
Cement:				
Linoleum	3,444,500	220,930	4,702,540	288,252
Other (rubber, etc.)	—	305,535	—	318,031
Glue:				
Bone and hide	7,026,432	1,825,268	8,152,676	2,206,505
Casein	505,011	140,441	965,852	241,868
Flexible	1,402,606	313,728	2,020,167	479,345
Synthetic resin	7,329,736	770,817	11,656,797	1,320,318
Vegetable:				
Dry	2,370,582	239,556	2,710,379	254,782
Liquid	17,596,294	1,483,286	16,983,354	1,556,159
Other	—	511,052	—	602,147
Mucilage and paste	6,681,399	514,196	6,287,447	589,138
All other products ¹	—	1,499,755	—	1,822,851
Total	—	7,824,564	—	9,679,396

1. Includes sealing wax, grease, tallow, tankage, blended starches, dextrans, steamed bone and other such products which were reported by only one or two firms in this industry.

TABLE 4. Materials Used in the Adhesives Industry, 1949 and 1950

Material	1949		1950		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Alcohol, ethyl, denatured or not (including tax)	imp. gal.	30,580	27,006	39,117	35,217
Bones	tons	12,987	538,128	13,475	644,539
Borax	lb.	747,380	27,196	753,234	32,265
Hides and hide trimmings	tons	18,645	563,613	19,036	472,149
Casein	lb.	639,474	145,719	733,552	176,903
China clay	lb.	1,239,304	14,709	1,392,563	18,507
Dextrine	lb.	7,690,674	652,801	8,287,358	694,716

TABLE 4. Materials Used in the Adhesives Industry, 1949 and 1950 - Concluded

Material	1949		1950		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Flour:					
Potato	lb.	515,932	35,829	405,832	28,544
Soya bean	lb.	577,962	34,285	656,914	41,229
Tapioca	lb.	614,831	68,226	720,103	71,510
Wheat	lb.	5,913,880	222,360	5,806,334	234,361
Other	lb.	1,283,243	78,601	1,415,041	99,536
Formaldehyde	lb.	4,969,879	204,507	7,555,912	318,081
Glucose	lb.	298,843	21,709	524,498	40,830
Glue:					
Bone and hide	lb.	324,911	98,161	613,471	170,514
Fish	lb.	207,726	28,485	61,838	13,428
Glycerine	lb.	142,254	39,227	212,215	77,014
Gums and resins, natural:					
Arabic	lb.	137,943	22,840	180,124	25,756
Tragacanth	lb.	1,008	587	1,680	983
Other	lb.	251,988	24,669	354,692	37,395
Lime	tons	627	8,505	641	9,157
Phenol	lb.	1,362,291	183,066	1,972,757	293,480
Resins, synthetic	lb.	425,121	101,279	598,710	134,746
Rubber or latex	lb.	381,096	83,447	464,422	147,089
Sodium fluoride	lb.	46,291	6,671	41,910	5,394
Sodium hydroxide (caustic soda)	lb.	622,802	19,750	1,105,736	33,131
Solvents (benzol, naphtha, etc.)	imp. gal.	158,758	36,602	192,954	57,083
Starch	lb.	976,933	66,168	1,170,869	75,587
Sulphur	lb.	165,790	2,100	189,320	2,629
Sulphuric acid (100%)	lb.	1,197,757	11,204	1,374,167	14,803
Tallow and fat	lb.	5,597,378	65,823	3,777,199	105,892
Urea, crystal	lb.	1,475,820	89,935	2,113,726	138,957
Whiting	lb.	15,670	929	25,080	2,235
Zinc sulphate	lb.	231,252	15,385	287,421	17,939
Containers and packing materials	-	-	379,077	-	306,648
All other materials	-	-	279,760	-	507,749
Total	-	-	4,218,359	-	5,086,086

TABLE 5. Total Production of Adhesives, From All Industries, 1949 and 1950

Item	1949		1950	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Cement:				
Linoleum	lb. 3,384,000	242,000	5,803,000	324,000
Rubber	gal. 344,000	426,000	348,000	575,000
Other	—	173,000	—	147,000
Glue:				
Bone and hide	lb. 8,002,000	1,975,000	8,153,000	2,207,000
Casein	lb. 505,000	140,000	966,000	242,000
Flexible	lb. 1,493,000	314,000	2,020,000	479,000
Fish	—	491,000	—	418,000
Synthetic resin	lb. 7,662,000	813,000	12,330,000	1,402,000
Vegetable:				
Dry	lb. 2,371,000	240,000	2,710,000	255,000
Liquid	lb. 17,596,000	1,483,000	16,983,000	1,556,000
Other	lb. —	139,000	—	222,000
Mucilage and paste	—	600,000	—	698,000
Adhesives, other	—	645,000	—	605,000
Total	—	7,681,000	—	9,130,000

TABLE 6. Imports of Adhesives, 1949 and 1950

Item	1949		1950	
	Pounds	\$	Pounds	\$
Glue:				
Animal	274,267	43,366	3,084,492	376,050
Synthetic resin	1,006,663	202,111	582,170	165,349
Vegetable	30,992	4,256	21,004	3,066
Other	264,310	57,510	297,484	88,325
Mucilage and adhesive paste	200,524	45,761	247,688	50,433
Rubber cement	—	487,921	—	303,271

TABLE 7. Employees and Their Earnings in the Adhesives Industry, 1949 and 1950

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
1949								
Quebec	39	25	97	16	177	135,008	225,109	360,117
Ontario and British Columbia	126	44	388	14	572	435,309	932,422	1,367,731
Canada	165	69	485	30	749	570,317	1,157,531	1,727,848
1950								
Quebec	43	28	104	25	200	169,591	291,937	461,528
Ontario	75	39	290	11	415	396,989	715,582	1,112,571
Manitoba and British Columbia	21	7	26	—	54	64,695	84,221	148,916
Canada	139	74	420	36	669	631,275	1,091,740	1,723,015

List of Firms in the Adhesives Industry, 1950

Name	Address
Quebec:	
B.B. Chemical Co. of Canada Limited	2610 Bennet Ave., Montreal
Canadian Adhesives Ltd.	2104 Aird Ave., Montreal
Dominion Flour Paste Co., The	2135 Maisonneuve, Montreal
Le Page's Inc.	6892 Notre Dame St. E., Montreal
Monsanto (Canada) Limited	425 St. Patrick St., Ville LaSalle
National Adhesives (Canada) Limited	2125 Remembrance Road, Lachine
Poole, Ted, Co. Ltd.	121 Bois Franc
Solidex Limited	50 Hurtubise Blvd., Montreal East
Swift Canadian Co. Ltd	215 Maguire St., Montreal
Ontario:	
Bardeleben, G.	859 Eastern Ave., Toronto
Canada Glue Co, Limited	Mohawk Road, Brantford
Cann Llew Sales	Streetsville
Delany & Petit Limited	133 Jefferson Ave., Toronto
Dixon, E. F., & Co.	R. R. No. 3, King
Dominion Starch Products, Limited	119 Water St., Brockville
Harris, W., & Co. Limited	200 Keating St., Toronto
Industrial Adhesives Ltd.	1255 College St., Toronto
Machon Sealing Wax Company, The	678 Parliament St., Toronto
McCormick & Co. (Canada) Limited	454 King St. W., Toronto
National Adhesives (Canada) Limited	363-379 Wallace Ave., Toronto
Perkins Glue Company of Canada, Limited	629 Queen St. S., Kitchener
Stuart & Foster Limited	361 King St. E., Toronto
Stein-Hall Limited	1130 Dupont St., Toronto
Swift Canadian Co. Ltd.	1960 St. Clair Ave. W., Toronto
Wolverine Cement Company	200 Grand River Ave., Brantford
Manitoba:	
Swift Canadian Co. Ltd.	Archibald St., St. Boniface
British Columbia:	
Hasco Products Limited	11th Avenue, New Westminster
Monsanto (Canada) Limited	Granville Island, Vancouver

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