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DYING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940

In 1940 reports were received from twenty-eight establishments engaged in the dyeing and finishing of textile goods. These include only those establishments whose occupation is primarily the dyeing and finishing of such goods, and do not include textile manufacturers who operate a dyeing and finishing plant or department in connection with their own manufacturing operations. The capital invested in these twenty-eight establishments in 1940 amounted to \$5,335,344. Employment was furnished to 1,210 persons who were paid the sum of \$1,379,114 in salaries and wages. The gross value of the work performed amounted to \$4,885,038 and the value added by manufacture totalled \$2,579,597.

This industry is confined to the Provinces of Ontario, Quebec and Nova Scotia, Ontario with nineteen establishments, employed 695 persons, while Quebec, with eight establishments, and Nova Scotia, with one together employed 515. Ontario employed 63.0 per cent of the capital and 57.4 per cent of the total number of employees.

This industry operated at a considerably higher level in 1940. Compared with the previous year there was an increase of \$957,570 or 24 per cent in the value of work performed, with an increase of \$564,044 or 28 per cent in the value added by manufacture. Reflected in the increased output was the increase of 128 in the number of persons employed and \$228,446 in the amount of salaries and wages paid. The capital invested was, however, \$662,343 lower, being a decrease of \$1,339,862 in the fixed assets and an increase of \$677,513 in the working capital. The large decrease in the fixed assets is not due to an actual decline in the value of the land and equipment used, but to an adjustment by several firms of accumulated charges for depreciation on these assets.

The gross value of the work performed in 1940 amounted to \$4,885,038 of which \$2,651,726 or approximately 54.3 per cent, was represented by the dyeing and finishing of textile fabrics. The dyeing and finishing of yarns amounted to \$1,611,019 or 32.9 per cent, while the printing and painting of fabric and all other work totalled \$622,293. The various items are shown in detail in table 3.

As indicated in table 8, there is little or no seasonal variation in employment in this industry. The great majority of the wage-earners are male, and numbered 835 or 83 per cent of the total in 1940 while the female wage-earners totalled 168. The average annual wages was \$933 compared to \$831 in 1939 while the average salary rose from \$2,180 in that year to \$2,190 in 1940.

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

Table 1. - Principal Statistics, 1927 to 1940.

Year and Provinces	Establishments	Capital Invested	Total Employees	Total Salaries and Wages	Cost of Materials Used	Gross Value of Work Performed
						No. \$ No. \$ \$
1927	17	4,048,487	786	851,537	789,783	2,673,852
1928	18	4,278,726	930	986,013	824,475	3,104,193
1929	17	4,448,419	967	1,021,752	1,053,505	3,517,507
1930	19	4,264,823	847	891,822	611,772	2,776,784
1931	19	4,705,396	847	945,002	754,646	2,893,333
1932	19	4,688,350	762	804,100	619,662	2,537,348
1933	22	5,627,806	864	854,751	1,204,498	3,175,049
1934	24	5,397,621	940	931,721	1,504,033	3,778,652
1935	23	5,257,029	997	1,008,600	1,560,868	4,004,734
1936	25	5,261,555	1,025	973,797	1,422,656	3,568,362
1937	26	5,051,200	1,071	1,019,391	1,535,898	3,794,316
<u>1938</u>						
<u>CANADA</u>	25	5,207,949	980	958,698	1,208,261	3,330,280
<u>Ontario</u>	15	2,645,845	502	506,462	957,147	2,122,283
Quebec and Nova Scotia	10	2,562,104	478	452,236	251,114	1,207,997
<u>1939</u>						
<u>CANADA</u>	26	5,997,687	1,082	1,150,668	1,667,878	3,927,468
<u>Ontario</u>	16	3,303,974	590	693,745	1,333,236	2,553,127
Quebec and Nova Scotia	10	2,693,713	492	456,923	334,642	1,374,341
<u>1940</u>						
<u>CANADA</u>	28	5,335,344	1,210	1,379,114	2,010,841	4,885,038
<u>Ontario</u>	19	3,683,023	695	884,700	1,599,378	3,308,038
Quebec and Nova Scotia	9	1,652,321	515	434,414	411,463	1,577,000

NOTE: - Profits or losses cannot be estimated from Census figures, as no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

Table 2. - Comparison of Principal Statistics, 1939 and 1940.

Items	1939	1940	+ Increase - Decrease
Establishments reporting	No. 26	28	+ 2
Capital invested	\$ 5,997,687	5,335,344	- 662,343
Employees on salaries -			
Total	No. 195	207	+ 12
Male	No. 146	140	- 6
Female	No. 49	67	+ 18
Total salaries	\$ 413,452	453,321	+ 39,869
Employees on wages -			
Monthly average	No. 887	1,003	+ 116
Male	No. 735	835	+ 100
Female	No. 152	168	+ 16
Total wages	\$ 737,216	925,793	+ 188,577
Power equipment -			
Units	No. 852	1,048	+ 196
Horse-power capacity	H.P. 4,357	4,871	+ 514
Cost of fuel and electricity ...	\$ 244,037	294,600	+ 50,563
Cost of materials used	\$ 1,667,878	2,010,841	+ 342,963
Gross value of work performed ..	\$ 3,927,468	4,885,038	+ 957,570
Value added by work performed..	\$ 2,015,553	2,579,597	+ 564,044

Table 3. - Value of Work Performed, 1939 and 1940.

Principal Items	1939	1940
	Value at Plant	Value at Plant
		\$
Dyeing and finishing of textile fabrics -	2,138,341	2,651,726
Dyeing, finishing and mercerizing of yarns	1,251,013	1,611,019
Printing and painting on textile fabrics	303,774	291,497
Dyeing and finishing of other products	84,410	99,700
Rubberizing, mercerizing and waterproofing fabrics	21,425	24,247
Bleaching, shrinking and sponging	128,505	206,849
TOTAL VALUE OF WORK PERFORMED	3,927,468	4,885,038

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

Table 4. - Materials Used, 1939 and 1940.

Principal Materials	Unit of Measure	1939		1940	
		Quantity	Cost Value at Plant	Quantity	Cost Value at Plant
Aniline and other dyes -			\$		\$
Sulphur colours	Pound	142,264	100,432	67,429	46,786
Direct colours	"	87,114	57,492	105,919	79,488
Indirect colours	"	11,969	12,400	18,006	19,644
Acid or basic colours ..	"	84,199	63,056	82,801	73,606
Other colours and dyes..	"	73,588	57,738	185,430	157,380
Alum	"	49,795	734	61,265	1,010
Common salt (sodium chloride)	"	2,263,589	11,640	3,162,844	14,181
Chloride of lime	"	3,700	112	7,100	197
Glauber's salt	"	801,220	11,636	1,043,237	13,607
Soda ash	"	346,476	6,686	524,359	9,951
Soaps	"	519,006	35,676	514,260	38,140
Starch	"	220,637	9,565	260,985	13,209
Other weighting materials.	-	-	11,796	-	10,740
Liquid ammonia	Pound	75,480	2,592	71,016	2,437
Liquid Chlorine	"	18,875	2,158	11,000	447
Gasoline and benzine	Gallon	2,891	847	3,485	1,063
Alcohol	Prf.Gal.	674	528	1,772	977
Hydrogen peroxide	Pound	75,822	15,384	100,895	20,700
Sulphuric acid 66° Bé	"	302,330	6,098	328,275	7,149
Acetic acid	"	113,342	9,073	96,277	7,632
Formic acid	"	41,126	6,257	25,689	4,189
Muriatic acid	"	79,980	1,701	101,773	2,202
Sulphonated oils	"	53,688	9,674	70,654	11,488
Carbon tetrachloride	"	5,142	356	8,174	521
Tin tetrachloride	"	2,247	584	-	-
Trisodium phosphate	"	8,243	581	9,348	384
Caustic soda	"	1,004,084	26,888	494,847	14,326
Other chemicals, not specified	-	-	117,287	-	161,858
Rubberizing materials	-	-	2,930	-	3,964
All other materials	-	-	1,055,306	-	1,262,856
Packing and shipping materials	-	-	30,671	-	30,709
TOTAL COST OF MATERIALS USED	-	-	1,667,878	-	2,010,841

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

Table 5. - Capital Invested, 1939 to 1940.

Year and Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, fixtures, machinery, tools and other equipment	Inventory Value of materials in hand, stocks in process, finished products, fuel and miscellaneous supplies on hand	Operating Capital (cash, bills and accounts receivable, Prepaid Expenses, etc.)	
	\$	\$	\$	\$
1927	3,347,225	293,274	407,988	4,048,487
1928	3,537,793	314,624	426,309	4,278,726
1929	3,618,696	366,353	463,370	4,448,419
1930	3,492,301	342,841	429,681	4,264,823
1931	3,867,232	299,411	538,753	4,705,396
1932	3,768,817	247,243	672,290	4,688,350
1933	4,153,111	620,936	853,759	5,627,806
1934	4,000,270	532,581	864,770	5,397,621
1935	3,927,789	424,633	904,607	5,257,029
1936	4,102,636	415,576	743,343	5,261,555
1937	4,046,792	531,197	473,211	5,051,200
<u>1938</u>				
CANADA	4,423,174	349,257	435,518	5,207,949
Ontario	2,224,960	224,475	196,410	2,645,845
Quebec and Nova Scotia ..	2,198,214	124,782	239,108	2,562,104
<u>1939</u>				
CANADA	4,394,957	810,849	791,881	5,997,687
Ontario	2,180,675	635,702	487,597	3,303,974
Quebec and Nova Scotia ..	2,214,282	175,147	304,284	2,693,713
<u>1940</u>				
CANADA	3,055,095	1,235,536	1,044,713	5,335,344
Ontario	2,017,782	1,042,159	623,082	3,683,023
Quebec and Nova Scotia ..	1,037,313	193,377	421,631	1,652,321

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

Table 6. - Principal Statistics of the Dyeing and Finishing of Textile Goods in Canada, for 1939 and 1940. Grouped According to the Size of Establishment.

Establishments having a production of -	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
<u>1939</u>	No.	\$	No.	\$	\$	\$
Under \$5,000	2)					
\$5,000 to \$25,000	9)	109,570	61	65,353	24,608	131,230
\$25,000 to \$50,000	3)					
\$50,000 to \$100,000	2)	1,131,930	129	191,440	55,478	244,288
\$100,000 to \$500,000	8)					
\$500,000 to \$1,000,000	2)	4,756,187	892	893,875	1,587,792	3,551,950
\$1,000,000 and over	-	-	-	-	-	-
TOTAL	26	5,997,687	1,082	1,150,668	1,667,873	3,927,468
<u>1940</u>						
Under \$5,000	3	24,854	16	12,290	1,637	14,270
\$5,000 to \$25,000	6	85,147	34	33,208	19,382	92,879
\$25,000 to \$50,000	6	438,209	79	81,405	42,382	226,229
\$50,000 to \$100,000	4	419,046	94	91,596	39,305	279,930
\$100,000 to \$500,000	6)	4,368,088	987	1,160,615	1,848,135	4,271,730
\$500,000 to \$1,000,000	2)					
\$1,000,000 and over	1)					
TOTAL	28	5,335,344	1,210	1,379,114	2,010,841	4,885,038

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

Table 7. - Employees by Sex and Remuneration, 1939 and 1940.

		1 9 3 9	1 9 4 0
Salaried Employees -			
Total	No.	195	207
Male	No.	146	140
Female	No.	49	67
Total salaries	\$	413,452	453,321
Wage-earners -			
Monthly average	No.	887	1,003
Male	No.	735	835
Female	No.	152	168
Total wages	\$	737,316	925,793
Total Employees -			
Total	No.	1,082	1,210
Male	No.	881	975
Female	No.	201	235
Total salaries and wages	\$	1,150,668	1,379,114

Table 8. - Monthly Employment of Wage-earners, 1939 to 1940.

Months	1 9 3 8			1 9 3 9			1 9 4 0		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.	No.	No.	No.
January	730	146	876	735	150	885	744	149	893
February ...	734	146	880	736	146	882	745	168	913
March	734	143	877	737	151	888	746	159	905
April	711	145	856	733	154	887	740	161	901
May	686	139	825	689	150	839	715	162	877
June	665	142	807	690	146	836	693	161	854
July	630	147	777	689	150	839	871	170	1,041
August	639	130	769	710	145	855	933	165	1,098
September ..	687	127	814	738	153	891	960	170	1,130
October	672	136	808	780	152	932	953	177	1,130
November ...	675	138	813	797	158	955	970	172	1,142
December ...	676	137	813	785	162	947	953	173	1,126
MONTHLY AVERAGE ...	687	140	827	735	152	887	835	163	1,003

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

Table 9. - Average Weekly Earnings and Number of Wage-earners in the Month of Normal Employment with their Regular Hours of Work, 1939 and 1940.

Number of Hours Worked per Week	Number of Employees			
	Male		Female	
	1939	1940	1939	1940
30 hours or less	38	69	5	16
31 - 43 hours	54	84	8	28
44 hours	29	16	5	8
45 - 47 hours	58	137	8	15
48 hours	99	48	18	16
49 - 50 hours	210	69	91	65
51 - 54	77	151	23	34
55 hours	105	109	1	-
56 - 64 hours	45	227	-	12
65 hours and over	11	143	-	-
Average hours per week	48.6	51.66	48.1	46.23
Average weekly earnings	\$17.36	\$18.65	\$12.64	\$12.59

The above table does not include overtime.

Table 10. - Power Equipment, 1939 and 1940.

Classes of Power	1939		1940	
	Number of Units	Manufacturers Rating of Horse-power Capacity	Number of Units	Manufacturers Rating of Horse-power Capacity
Steam engines and steam turbines In use	3	50	1	5
Gasoline, Gas and oil engines - other than Diesel engines	-	-	1	70
Electric motors operated by purchased power -				
In use	832	4,142	1,027	4,680
Idle	16	95	19	116
TOTAL POWER USED IN MANUFACTURING	852	4,357	1,048	4,871
Boiler installation -				
In use	22	3,586	26	4,314
Idle	4	525	5	580

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

Table II. - Consumption of Fuel and Electricity, 1939 and 1940.

Kinds of Fuel	Unit of Measure	1939		1940	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
Coal -	Ton		\$		\$
Bituminous	(2,000 lb.)	27,044	175,453	34,250	222,880
Anthracite	"	2,304	13,036	2,049	13,421
Wood	Cord	3	22	2	15
Fuel Oil	Imp. Gal.	123,768	4,836	41,662	1,619
Gasoline, including gasoline used in cars and trucks	" "	50	14	4,612	1,088
Gas -	M cu. ft.				6
Manufactured	" " "	1,227	1,018	2,141	1,728
Natural	" " "	660	436	1,231	925
Other Fuel	-	-	14	-	3,600
TOTAL COST OF FUEL	-	-	194,875	-	245,276
Electricity purchased (including service charges)	Kw. H.	3,908,395	49,162	4,317,527	49,324
TOTAL COST OF FUEL AND ELECTRICITY	-	-	244,037	-	294,600

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1940.

A P P E N D I X

NOVA SCOTIA

Yarmouth Dye Works,

Vancouver Street, Yarmouth North.

QUEBEC

Paul Barrette,
Canada Pad & Sponging Inc.,
Dominion Silk Dyeing & Finishing Co. Ltd.,
Dominion Silk Printing, Limited,
Franco Canadian Dyers Limited,
Jas. Fraser & Sons,
Globe Hat Works, Limited,
Holdsworth Company, Limited

444 St. Paul Street East, Montreal.
460 St. Catherine Street West, Montreal.
35 Heriot Street, Drummondville.
Heriot Street, Drummondville.
159 Cousins Street, St. Johns.
52 Nazareth Street, Montreal.
74 Turgeon Street, Montreal.
498 Ash Avenue, Montreal

ONTARIO

Aberfoyle Manufacturing Company,
Armstrong Dye Works,
Dyers & Rubberizers, Limited,
Farquhar Textile Printing Co.,
Frank P. Flake,
General Textile Dyers & Finishers, Ltd.,
Guaranty Silk Dyeing & Finishing Company,
Holdsworth & Company,
Holdsworth Company, Limited,
Hughes & Company,
R. W. Matthewman & Sons,
Novelty Textile Printing Works,
Nu-Cell Dyeing & Processing Co., Ltd.,
W. Robinson & Son, Converters, Limited,

Summit Dyeing Company, Limited,
The Barrie Glove & Knitting Company, Ltd.,
The Cobourg Dyeing Company, Limited,
Toronto Dyeing & Finishing Works,
Trenton Dyeing & Finishing Co., Ltd.,

Metcalf Street, Guelph.
84 Simcoe Street West, Hamilton.
251 Sorauren Avenue, Toronto.
204 King Street East, Toronto.
68 Claremont Street, Toronto.
3030 Dundas Street West, Toronto.
40 Phelps Street, St. Catharines.
7 Ontario Street, Toronto.
347-9 Carlaw Avenue, Toronto.
786 King Street West, Toronto.
227 Sterling Road, Toronto.
119 Pearl Street, Toronto.
Box 274, Talbot Street, Cayuga.
Woodbridge, (H.O. - 55 Wellington St.,
Toronto).
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