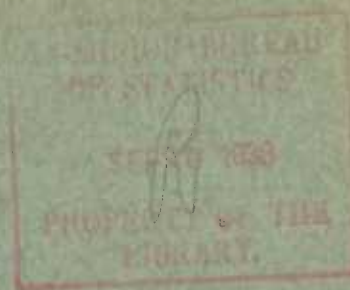


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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
GENERAL MANUFACTURES BRANCH

REPORT
ON THE
DYEING & FINISHING OF TEXTILE GOODS
IN
CANADA
1937



OTTAWA
1938

Price 15 cents

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

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DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

In 1937 reports were received from twenty-six 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. The capital invested in these twenty-six establishments in 1937 amounted to \$5,051,200. Employment was furnished to 1,071 persons who were paid the sum of \$1,019,391 in salaries and wages. The gross value of the work performed amounted to \$3,794,316 and the value added by manufacture totalled \$2,026,808.

This industry is confined to the Provinces of Ontario, Quebec and Nova Scotia, Ontario with fifteen establishments, employed 542 persons, while Quebec, with ten establishments, and Nova Scotia, with one together employed 529. Ontario employed 48.1 per cent of the capital and 50.6 per cent of the total number of employees.

Increased activity was reported by this industry in 1937. Compared with the previous year, there was an increase of \$225,954 or 6.3 per cent in the value of work performed and an increase of \$79,794 or 4.1 per cent in the value added by manufacture. Employment was also furnished to 46 more persons, with an increase of \$45,594 in the amount of salaries and wages paid. In spite of this expansion and an increase of one in the number of establishments reporting, the capital invested declined by \$210,355. Of this decrease \$55,844 was in fixed capital and \$154,511 in working capital.

The gross value of the work performed in 1937 amounted to \$3,794,316 of which \$2,047,140 or approximately 54 per cent, was connected with the dyeing and finishing of textile fabrics. The dyeing and finishing of yarns amounted to \$1,172,286 or 31 per cent, while the printing and painting of fabric and all other work totalled \$574,890. The various items are shown in detail in table 3.

As indicated in table 7, there is little or no seasonal variation in employment in this industry. The great majority of the wage-earners are male, and numbered 748 or 82.7 per cent of the total in 1937 while the female wage-earners totalled 156. The average wage was \$750 as compared to \$732 in 1936, while the average salary fell from \$2,199 in that year to \$2,043 in 1937.

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

Table 1. - Principal Statistics, 1927 to 1937.

Year and Provinces	Estab- lish- ments	Capital Invested	Total Em- ployees	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
<u>1 9 3 5</u>						
<u>CANADA</u>	23	5,257,029	997	1,008,600	1,560,868	4,004,734
Ontario	14	2,596,889	533	551,622	1,195,988	2,573,929
Quebec and Nova Scotia	9	2,660,140	464	456,978	364,880	1,430,805
<u>1 9 3 6</u>						
<u>CANADA</u>	25	5,261,555	1,025	973,797	1,422,656	3,568,362
Ontario	14	2,504,442	529	530,113	1,105,506	2,238,762
Quebec and Nova Scotia	11	2,757,113	496	443,684	317,150	1,329,600
<u>1 9 3 7</u>						
<u>CANADA</u>	26	5,051,200	1,071	1,019,391	1,535,898	3,794,316
Ontario	15	2,432,091	542	547,134	1,214,051	2,383,714
Quebec and Nova Scotia	11	2,619,109	529	472,257	321,847	1,410,602

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

Table 2. - Comparison of Principal Statistics, 1936 and 1937.

Items	1 9 3 6	1 9 3 7	+ Increase - Decrease
Establishments reporting No.	25	26	+ 1
Capital invested \$	5,261,555	5,051,200	- 210,355
Employees on salaries -			
Total No.	148	167	+ 19
Male No.	116	131	+ 15
Female No.	32	36	+ 4
Total salaries \$	325,400	341,120	+ 15,720
Employees on wages -			
Monthly average No.	877	904	+ 27
Male No.	721	748	+ 27
Female No.	156	156	- -
Total \$	648,397	678,271	+ 29,874
Power equipment -			
Units No.	806	827	+ 21
Horse-power capacity H.P.	4,030	4,052	+ 22
Cost of fuel and electricity ... \$	198,692	231,610	+ 32,918
Cost of materials used \$	1,422,656	1,535,898	+ 113,242
Gross value of work performed .. \$	3,568,362	3,794,316	+ 225,954
Value added by work performed .. \$	1,947,014	2,026,803	+ 79,794

Table 3. - Value of Work Performed, 1936 and 1937

Principal Items	1 9 3 6 Value at Plant \$	1 9 3 7 Value at Plant \$
Dyeing and finishing of textile fabrics -	2,017,823	2,047,140
Dyeing, finishing and mercerizing of yarns	1,099,812	1,172,286
Printing and painting on textile fabrics ..	252,530	359,214
Dyeing and finishing of other products	57,000	80,092
Rubberizing, mercerizing and waterproofing fabrics	23,295	22,593
Bleaching, shrinking and sponging	117,902	112,991
TOTAL VALUE OF WORK PERFORMED	3,568,362	3,794,316

DYING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

Table 4. - Materials Used, 1936 and 1937.

Principal Materials	Unit of Measure	1 9 3 6		1 9 3 7	
		Quantity	Cost Value at Plant \$	Quantity	Cost Value at Plant \$
Aniline and other dyes -					
Sulphur colours	Pound	119,750	86,165	57,638	40,076
Direct colours	"	38,188	34,890	59,225	51,628
Indirect colours	"	5,463	7,169	7,009	8,011
Acid or basic colours..	"	132,875	95,540	158,875	99,915
Other colours and dyes.	"	25,934	19,328	83,069	61,493
Alum	"	63,810	893	68,646	970
Common salt (sodium chloride)	"	1,331,421	8,694	2,086,511	8,330
Chloride of lime	"	33,185	610	9,450	216
Clauber's salt	"	624,912	8,360	772,898	10,752
Soda ash	"	339,812	5,922	324,247	5,827
Soaps	"	479,438	33,935	575,158	37,435
Starch	"	292,430	10,810	245,883	10,593
Other weighting materials	-	-	27,358	-	16,841
Liquid ammonia	Pound	50,335	1,807	64,977	2,284
Liquid Chlorine	"	130,996	4,475	98,370	3,560
Gasoline and benzine	Gallon	1,815	697	8,698	1,983
Alcohol	Prf. Gal.	629	470	554	326
Hydrogen peroxide	Pound	71,252	15,539	75,133	15,344
Sulphuric acid 66° Bé ...	"	266,810	4,865	265,554	4,362
Acetic acid	"	100,532	7,215	140,119	9,326
Formic acid	"	57,784	7,840	63,845	8,700
Muriatic acid	"	210,417	3,209	122,358	2,055
Sulphonated oils	"	15,175	15,656	95,073	15,184
Carbon tetrachloride	"	5,823	514	4,185	292
Tin tetrachloride	"	254,811	68,229	59,206	14,858
Trisodium phosphate	"	43,404	2,205	7,461	264
Caustic soda	"	743,325	20,090	776,709	19,745
Other chemicals, not specified	-	-	27,013	-	133,964
Rubberizing materials ...	-	-	6,369	-	4,881
All other materials	-	-	856,509	-	916,205
Packing and shipping materials	-	-	40,280	-	30,478
TOTAL COST OF MATERIALS USED		-	1,422,656	-	1,535,898

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

Table 5. - Capital Invested, 1927 to 1937

Year and Provinces	Fixed Capital	Working Capital			Total Capital
	Land, Buildings, fixtures, machinery, tools and other equipment	Inventory Value of materials on hand, stocks in process, finished products, fuel and miscella- neous 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
<u>1 9 3 5</u>					
CANADA	3,927,789	424,633	904,607		5,257,029
Ontario	1,832,034	262,098	502,757		2,596,889
Quebec and Nova Scotia.	2,095,755	162,535	401,850		2,660,140
<u>1 9 3 6</u>					
CANADA	4,102,636	415,576	743,343		5,261,555
Ontario	1,866,721	242,327	395,394		2,504,442
Quebec and Nova Scotia.	2,235,915	173,249	347,949		2,757,113
<u>1 9 3 7</u>					
CANADA	4,046,792	531,197	473,211		5,051,200
Ontario	1,857,153	371,131	203,807		2,432,091
Quebec and Nova Scotia.	2,189,639	160,066	269,404		2,619,109

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

Table 6. - Employees by Sex and Remuneration, 1936 and 1937.

		1 9 3 6	1 9 3 7
Salaried Employees -			
Total	No.	148	167
Male	No.	116	131
Female	No.	32	36
Total salaries	\$	325,400	341,120
Wage-earners -			
Monthly average	No.	377	904
Male	No.	721	748
Female	No.	156	156
Total wages	\$	648,397	678,271
Total Employees -			
Total	No.	1,025	1,071
Male	No.	837	879
Female	No.	188	192
Total salaries and wages	\$	973,797	1,019,391

Table 7. - Monthly Employment of Wage-earners, 1935 to 1937.

Months	1 9 3 5			1 9 3 6			1 9 3 7		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.	No.	No.	No.
January	661	142	803	751	159	910	724	156	880
February	664	147	811	737	160	897	743	156	899
March	699	150	849	764	165	929	750	155	905
April	707	146	853	757	157	914	746	157	903
May	701	146	847	736	153	889	730	151	881
June	693	145	838	735	152	887	729	151	880
July	667	143	810	675	147	822	746	151	897
August	702	139	841	684	146	830	746	151	897
September ...	715	148	863	699	153	852	753	152	905
October	734	146	880	700	154	854	781	160	941
November	713	149	862	701	156	857	775	158	933
December	717	150	867	704	153	857	741	158	899
MONTHLY AVERAGE									
	699	146	845	721	156	877	748	156	1,071

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

Table 8. - Number of Wage-earners in Month of Highest Employment and Their Regular hours of Work in 1935 and 1936.

Number of Hours Worked per Week	Number of Employees		Number of Hours Worked per Week	Number of Employees	
	1936	1937		1936	1937
40 hours or less	65	68	51-53 hours	95	198
41-43 hours	20	14	54 hours	70	101
44 hours	25	36	55 hours	282	226
45-47 hours	103	132	56-59 hours	90	54
48 hours	24	12	60 hours and over	82	81
49-50 hours	147	114			

The above table does not include overtime.

Table 9. - Power Equipment, 1936 and 1937.

Classes of Power	1 9 3 6			
	Ordinarily in Use		In Reserve or Idle	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	2	55	2	70
Electric motors operated by purchased power	791	3,935	11	95
TOTAL POWER USED IN MANUFACTURING	793	3,990	13	165
Boiler installation	28	3,387	-	-

Classes of Power	1 9 3 7			
	Ordinarily in Use		In Reserve or Idle	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	2	45	-	-
Electric motors operated by purchased power	810	3,900	15	107
TOTAL POWER USED IN MANUFACTURING	812	3,945	15	107
Boiler installation	23	3,399	4	600

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

Table 10. - Consumption of Fuel and Electricity, 1936 and 1937.

Kinds of Fuel	Unit of Measure	1 9 3 6		1 9 3 7	
		Quantity	Cost Value at Factory \$	Quantity	Cost Value at Factory \$
Coal -	Ton				
Bituminous	(2,000 Lb.)	22,315	140,110	28,894	174,685
Anthracite	"	1,437	6,950	1,810	8,616
Wood	Cord	2	14	1	6
Gas -					
Manufactured	M cu. ft.	2,248	1,827	730	757
Natural	" " "	2,077	1,564	2,378	1,790
Other fuel	"	"	1,975	"	"
TOTAL COST OF FUEL			152,440		185,854
Electricity purchased (including service charges)	Kw. H.	3,036,286	46,252	3,436,808	45,756
TOTAL COST OF FUEL AND ELECTRICITY			198,692		231,610

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1937.

A P P E N D I X

NOVA SCOTIA

Yarmouth Dye Works,

Yarmouth

QUEBEC

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

143 Lagauchetiere Street West, Montreal.
444 St. Paul Street East, Montreal.
460 St. Catherine Street West, Montreal.
Lennoxville,
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,
R. H. Comey & Company Limited,
Griffin Dyeing Company Limited,
Guaranty Silk Dyeing & Finishing Company,
Holdsworth & Company,
Holdsworth Company Limited,
Hughes & Company,
Dyers & Rubberizers Limited,
Novelty Textile Printing Works,
W. Robinson & Son, Converters Limited,

Metcalf Street, Guelph.
84 Simcoe Street West, Hamilton.
68 Claremont Street, Toronto.
225 Sterling Road, Toronto.
40 Phelps Street, St. Catharines.
7 Ontario Street, Toronto.
347-9 Carlaw Avenue, Toronto.
786 King Street West, Toronto.
251 Sorauren Street, Toronto.
119 Pearl Street, Toronto.
Woodbridge, (H.O. - 55 Wellington Street,
Toronto).
590 King Street West, Toronto.
40 Ontario Street South, Kitchener.
William Street, Cobourg.
356-370 Dufferin Street, Toronto.

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

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