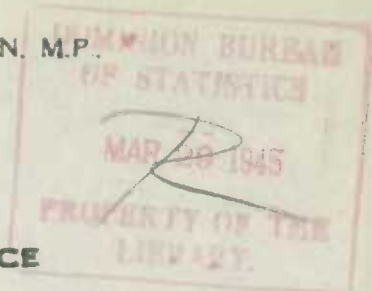


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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL & CHEMICAL BRANCH

THE WIRE AND WIRE GOODS INDUSTRY
IN
CANADA
1943



OTTAWA
1945

Price 25 cents

Dominion Statistician;	S. A. Cudmore, M.A. (Oxon.), F.S.S., F.R.S.C.
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ANNUAL INDUSTRY REPORTIRON AND STEEL AND THEIR PRODUCTS GROUPTHE WIRE AND WIRE GOODS INDUSTRY, 1943.

This report presents statistics for the Wire and Wire Goods Industry which is a part of the iron and steel group and covers all establishments in Canada engaged chiefly in drawing iron and steel wire or in fabricating products from wire of iron or steel.

In 1943 the 80 factories in this industry were distributed by provinces as follows: Ontario, 49; Quebec, 20; British Columbia, 7; New Brunswick, 2; Nova Scotia, 1, and Manitoba 1.

Factory sales in 1943 were valued at \$41,117,308, including plain and galvanized wire, barbed wire, wire fencing, wire nails, tacks, staples, screws, wire cloth, wire rope, bale ties, upholstering springs and other such commodities. In 1942 factory sales were reported at \$42,702,658 and in 1941 at \$42,395,022.

The 14 wire drawing plants which operated in 1943 employed 3,600 workers, while the 66 establishments engaged only in the fabrication of wire goods had 3,074 workers. Sales from the wire drawing plants amounted to \$24,348,201 and from the fabricating plants to \$16,769,107.

The average number of employees in all plants in 1943 was 6,674 of whom 4,581 worked in Ontario and 1,334 in Quebec. Payments to the 815 salaried employees totalled \$1,977,603 while the 5,859 wage-earners were paid \$9,015,708, a total for salaries and wages of \$10,993,311. In 1942 payments amounted to \$10,625,721 were made to 6,877 employees.

Capital employed at the end of the year was given at \$36,044,940, including the value of land, buildings, and machinery at \$19,378,270; inventories at \$6,681,148 and cash, bills and accounts receivable, etc., at \$9,985,522. Works in Ontario accounted for 62 per cent of this investment and factories in Quebec for 26 per cent. In 1942 the total capital employed was given at \$36,279,072.

Table 1 - PRINCIPAL STATISTICS OF THE WIRE AND WIRE GOODS INDUSTRY, 1933 - 1943

Year	No. of Plants	Capital Employed	Average Number of Em- ployees	Salaries and Wages	Cost of Fuel and Electricity at works	Cost of Purchased Materials at works	Gross Selling Value of Shipments at works
		\$		\$	\$	\$	\$
1933 ..	72	28,667,338	2,724	2,678,413	434,115	3,332,040	10,511,900
1934 ..	69	28,818,082	3,163	3,272,740	520,633	4,526,426	14,684,561
1935 ..	71	24,346,325	3,477	3,752,990	522,386	5,075,080	16,235,678
1936 ..	73	25,729,266	3,806	4,225,245	548,122	5,539,986	18,369,397
1937 ..	75	27,633,569	4,536	5,531,891	602,503	7,976,821	23,558,635
1938 ..	77	29,266,273	4,331	5,096,940	556,849	6,005,857	20,605,207
1939 ..	76	31,088,655	4,523	5,684,938	621,476	7,262,999	25,063,379
1940 ..	73	32,939,491	5,126	7,126,134	717,339	10,298,230	32,446,893
1941 ..	82	36,486,567	6,396	9,107,560	801,366	13,235,277	42,395,022
1942 ..	78	36,279,072	6,877	10,625,721	824,176	13,704,549	42,702,658
1943 ..	80	36,044,940	6,674	10,993,311	903,977	12,717,237	41,117,308

Per cent
change,
1943 from
1942 ...

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NOTE: Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1942 AND 1943.

Year	No. of plants	Capital employed	Average number of em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of purchased materials at works	Gross selling value of shipments at works
		\$		\$	\$	\$	\$
<u>1942</u>							
Wire-drawing plants	13	24,825,959	3,087	5,969,131	625,184	6,131,057	25,349,988
Fabricating plants only	65	11,453,113	3,190	4,656,590	198,992	7,573,492	17,352,670
TOTAL	78	36,279,072	6,877	10,625,721	824,176	13,704,549	42,702,658
<u>1943</u>							
Wire-drawing plants	14	25,123,581	3,600	6,245,346	703,382	6,356,122	24,348,201
Fabricating plants only	66	10,921,359	3,074	4,747,965	200,595	6,361,115	16,769,107
TOTAL	80	36,044,940	6,674	10,993,311	903,977	12,717,237	41,117,308

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1942 and 1943

Year	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of purchased materials at works	Gross selling value of shipments at works
		\$		\$	\$	\$	\$
1942							
Quebec	18	9,146,290	1,339	1,949,492	249,202	2,299,981	9,888,501
Ontario	49	22,066,431	4,815	7,510,341	497,705	8,719,547	25,947,298
British Columbia	7	2,169,638	315	456,942	25,768	1,934,733	2,972,190
Other provinces(x)	4	2,896,713	408	708,946	51,501	750,288	3,894,669
CANADA	78	36,279,072	6,877	10,625,721	824,176	13,704,549	42,702,658
1943							
Quebec	20	9,224,616	1,334	2,121,629	265,412	2,220,049	9,650,180
Ontario	49	22,338,866	4,581	7,624,817	560,581	7,572,434	24,540,777
British Columbia	7	2,089,646	358	604,600	29,352	2,253,597	3,571,034
Other provinces(x)	4	2,391,812	401	642,265	48,632	671,157	3,355,317
CANADA	80	36,044,940	6,674	10,993,311	903,977	12,717,237	41,117,308

(x) Includes data for 2 firms in New Brunswick, 1 in Nova Scotia and 1 in Manitoba.

Table 4 - CAPITAL EMPLOYED, BY PROVINCES, 1942 and 1943 (On the last day of the year)

Province	Present value of land, buildings, machinery and tools	Value of Inventories Raw materials fuel and other supplies on hand and stocks in process	Finished products on hand	Cash, bills and accounts receivable, prepaid expenses, etc.	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$	\$
1942					
Quebec	5,398,632	1,173,666	573,421	2,000,571	9,146,290
Ontario	12,416,489	2,614,960	1,136,810	5,898,172	22,066,431
British Columbia	607,304	586,663	156,046	819,625	2,169,638
Other provinces.	933,195	1,088,944	165,292	709,282	2,896,713
CANADA	19,355,620	5,464,233	2,031,569	9,427,650	36,279,072
1943					
Quebec	5,495,594	1,127,979	517,584	2,083,459	9,224,616
Ontario	12,313,644	2,415,816	1,306,999	6,302,407	22,338,866
British Columbia	615,827	669,412	145,932	658,475	2,089,646
Other provinces.	953,205	345,123	152,303	941,181	2,391,812
CANADA	19,378,270	4,558,330	2,122,818	9,985,522	36,044,940

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1942 AND 1943

Province	AVERAGE NUMBER OF EMPLOYEES				TOTAL	Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages					
	Male	Female	Male	Female				
1 9 4 2						\$	\$	\$
Quebec	143	71	951	174	1,339	456,945	1,492,547	1,949,492
Ontario	326	234	3,371	884	4,815	1,280,287	6,230,054	7,510,341
British Columbia	34	11	229	41	315	125,608	331,334	456,942
Other provinces.	12	3	387	6	408	33,981	674,965	708,946
CANADA	515	319	4,938	1,105	6,877	1,896,821	8,728,900	10,625,721
1 9 4 3								
Quebec	139	71	927	197	1,334	479,705	1,641,924	2,121,629
Ontario	310	232	2,785	1,254	4,581	1,314,233	6,310,584	7,624,817
British Columbia	35	12	233	78	358	141,025	463,575	604,600
Other provinces.	14	2	374	11	401	42,640	599,625	642,365
CANADA	498	317	4,319	1,540	6,674	1,977,603	9,015,708	10,993,311

Table 6 - WAGE-EARNERS, BY MONTHS, 1942 AND 1943 (On the last work day of each month)

Month	1 9 4 2			1 9 4 3		
	Male	Female	TOTAL	Male	Female	TOTAL
January	5,112	1,020	6,132	4,511	1,523	6,034
February	5,117	1,000	6,117	4,445	1,625	6,070
March	5,059	1,028	6,087	4,445	1,593	6,038
April	4,992	1,058	6,050	4,349	1,597	5,946
May	4,932	1,024	5,956	4,289	1,590	5,879
June	4,976	1,095	6,071	4,301	1,541	5,842
July	4,914	1,068	5,982	4,210	1,512	5,722
August	4,856	1,120	5,976	4,224	1,483	5,707
September	4,859	1,188	6,047	4,245	1,542	5,787
October	4,817	1,217	6,034	4,252	1,487	5,739
November	4,812	1,203	6,015	4,287	1,497	5,784
December	4,799	1,233	6,032	4,267	1,463	5,730
AVERAGE ...	4,938	1,105	6,043	4,319	1,540	5,859

Table 7 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1942 AND 1943 (In one week of highest employment; overtime included)

Number of wage-earners					Number of wage-earners						
Hours worked per week -		1942		1943		Hours worked per week -		1942		1943	
		Male	Female	Male	Female			Male	Female	Male	Female
30 hours or less		191	67	207	109	51 - 54 hours		432	84	613	107
31 - 43 hours ..		436	213	479	379	55 hours		1,047	84	860	89
44 hours		157	91	104	94	56 - 64 hours		1,051	132	917	89
45 - 47 hours ..		422	190	383	366	65 hours or over		372	1	287	5
48 hours		517	323	399	387	Total		5,184	1,513	4,709	1,885
49 - 50 hours ..		559	328	460	260	Total wages paid in selected week		\$161,426	23,913	154,919	38,974

Table 8 - FUEL AND ELECTRICITY USED, 1942 AND 1943

Kind	Unit of Measure	1 9 4 2		1 9 4 3	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal - Canadian	Ton	9,819	69,997	8,505	64,409
Imported	Ton	25,347	181,623	28,934	223,989
Anthracite coal	Ton	171	2,183	171	2,339
Coke	Ton	394	3,986	443	4,901
Gasoline	Imp. Gal.	23,712	7,164	37,226	11,168
Kerosene	Imp. Gal.	1,414	263	1,584	304
Fuel oil	Imp. Gal.	247,584	21,101	174,215	16,001
Wood	Cord	483	1,955	393	1,830
Gas - Manufactured (x) ...	M cu. ft.	621,698	130,049	661,690	173,843
Natural	M cu. ft.	56,527	28,811	23,303	12,955
Electricity purchased	K. W. H.	39,934,247	377,044	42,495,671	392,238
TOTAL .....	...	...	824,176	...	903,977

(x) Includes some gas delivered to the wire mills from the companies' own coke ovens

Table 9 - POWER EQUIPMENT, 1942 AND 1943

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
	1 9 4 2			
Gasoline, gas and oil engines	7	121	1	6
Hydraulic turbines or water wheels	2	5	...	...
Electric motors run by purchased power	1,948	20,313	71	943
TOTAL	1,957	20,439	72	949
Electric motors run by primary power shown above	139	3,244	...	...
Stationary boilers	33	3,198	2	580
Motor generator sets	24	3,415	1	46
	1 9 4 3			
Gasoline, gas and oil engines	7	121	1	6
Electric motors run by purchased power	2,217	21,084	93	830
TOTAL	2,224	21,205	94	836
Electric motors run by primary power shown above	135	3,784	2	6
Stationary boilers	29	3,289	1	250
Motor generator sets	28	3,967	1	46

Table 10 - MATERIALS USED IN MANUFACTURING, 1943

Material	Unit of measure	Materials made in producers' own works	Purchased Materials	
			Quantity	Cost at works
Iron and steel -				
Bars	Net ton	346	369	38,188
Wire rods	Net ton	152,689	72,019	3,339,713
Wire - plain	Net ton	78,694	28,017	3,723,512
galvanized	Net ton	16,577	9,810	1,211,302
Nail plate	Lb.	1,465,603	-	-
Tack plate	Lb.	1,989,296	2,361,294	104,782
Other iron and steel .....	...	-	-	609,776
Other metals -				
Copper bars, rods, sheets, etc. ..	Lb.	-	465,792	72,509
Brass and bronze rods, sheets, etc.	Lb.	-	1,353,672	284,185
Lead	Lb.	-	500,847	25,389
Tin	Lb.	-	6,854	3,696
Zinc (spelter)	Lb.	-	5,643,552	306,178
All other metals .....	...	-	-	171,885
Other materials -				
Acid, muriatic, 20° Be	Lb.	-	1,563,945	23,509
Acid, sulphuric 66° Be	Lb.	-	12,790,531	112,140
Shipping containers .....	...	-	-	752,418
All other materials .....	...	-	-	1,938,055
TOTAL .....	...	-	-	12,717,237

Table 11 - PRODUCTS MANUFACTURED, 1943

NOTE: Data for the items specified below represent, except where indicated by (x) the totals for Canada as well as for the wire and wire goods industry, according to returns to the Industrial Census for 1943. The mark (x) indicates that there was also a production in other industries.

Products	Unit of Measure	Quantity made	Quantity sold	Income from sales
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SECTION "A" - WIRES

(Total production, whether for sale or for further manufacture)

Iron and Steel Wires -

Wire drawn from rods	Net ton	191,210	52,270	4,480,538
Galvanized wire	Net ton	41,681	17,250	1,991,901
Barbed wire	Net ton	9,801	9,920	866,090
Cold rolled flat wire of all sizes, qualities and finishes, including nut steel	Net ton	3,962	1,349	221,081
Drawn welding rods or welding wire in coils, or in cut lengths, for gas or electric welding	Net ton	13,422	13,302	1,512,646
Wire bale ties	Net ton	4,332	4,411	398,785

Table 11 - PRODUCTS MANUFACTURED, 1943 - Continued

Product	Unit of measure	Quantity made	Quantity sold	Income from sales
				\$
SECTION "B" - NAILS, STAPLES AND TACKS				
Wire nails, iron and steel (all wire nails, including shoe rivets and other small sizes of wire nails)	kegs	1,471,260	1,514,218	5,965,727
Cut nails, iron and steel, (all cut nails, and spikes cut from plate, including special large head cut shingle nails, but not including clout nails nor other small nails commonly classed as tacks)	kegs	21,028	21,727	168,245
Wire staples, iron and steel, of all kinds	kegs	42,597	45,888	216,157
Tacks, all kinds, (all cut and wire tacks, including hob nails, clout nails, trunk nails and other small cut nails, but not cut shingle nails)	Lb.	3,597,925	3,454,957	478,456
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails and staples for paper stitching .....	...	-	-	192,430
SECTION "C" - WIRE FENCING AND WIRE NETTING				
Woven wire farm fence	tons	14,298	14,033	1,314,339
Woven wire lawn fence	tons	-	-	-
Woven wire chain link fabric (including tonnage for industrial fences)	tons	400	394	73,601
Steel fence posts and railing	tons	1,071	873	63,649
Gates	No.	9,207	8,711	82,112
Snow fence (x) .....	...	-	-	124,137
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing (x)	tons	1,081	1,064	150,024
Wire cloth of iron or steel, including screen cloth .....	...	-	-	1,134,401
Woven wire poultry netting, steel	tons	1,043	1,043	204,689
SECTION "D" - WIRE GOODS				
Steel wire rope or cable (x)	tons	15,888	15,917	7,351,709
Twisted strand wire (including galvanized guy wire, wire clothes lines, twisted bed strand) (x)	tons	892	935	232,279
Steel hoops, wire and other, for casks, barrels, or kegs	M	-	-	141,651
Steel wire upholstering springs and constructions (x) .....	...	-	-	892,987
Other steel wire springs (except bed springs) (x) .....	...	-	-	4,300,274
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire paper clips, wire guards, etc.) .....	...	-	-	2,011,815

Table 11 - PRODUCTS MANUFACTURED, 1943 - Concluded

Product	Unit of measure	Quantity made	Quantity sold	Income from sales
				\$
SECTION "E" - PRODUCTS OTHER THAN WIRE AND WIRE GOODS				
Bolts and nuts (x), horseshoe calks, screws (x), perforated metals, etc.	-	-	-	6,547,585
TOTAL	-	-	-	41,117,308

Table 12 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL WIRE, 1940 - 1943

Year	Plain wire	Galvan-ized wire	Wire, other coated	Barbed wire
1940 - Quantity made Tons	222,727	60,721	6,795	13,509
Quantity sold Tons	59,428	34,082	5,758	12,867
Income from sales \$	4,552,618	3,032,718	646,112	983,631
1941 - Quantity made Tons	220,285	53,422	7,323	14,105
Quantity sold Tons	63,734	26,590	5,348	17,371
Income from sales \$	5,057,922	2,477,825	624,115	1,270,256
	All wire drawn from rods	Galvanized wire	Barbed wire	
1942 - Quantity made Tons	202,116	46,383	10,085	
Quantity sold Tons	53,588	23,422	10,975	
Income from sales \$	4,598,172	2,451,878	891,960	
1943 - Quantity made Tons	191,210	41,681	9,801	
Quantity sold Tons	52,270	17,250	9,920	
Income from sales \$	4,480,538	1,991,901	866,090	

NOTE: Figures on quantity made include the amounts made and used in subsequent processes in the same plants, such as the manufacture of nails, galvanized wire, etc.

Table 13 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF WIRE FENCING, 1940 - 1943

Year	Quantity made	Quantity sold	Income from sales
			\$
1940 - Farm fence	10,504	9,776	933,321
Lawn fence	527	466	71,843
Chain link fabric	2,307	2,044	303,379
TOTAL for 1940	13,338	12,286	1,308,543

Table 13 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF WIRE FENCING, 1940 - 1943
(Concluded)

Year	Quantity made	Quantity sold	Income from sales \$
1941 - Farm fence	11,006	11,722	1,144,268
Lawn fence	663	681	97,995
Chain link fabric	2,444	2,517	346,112
TOTAL for 1941	14,113	13,920	1,588,375
1942 - Farm fence	11,190	12,342	1,160,676
Lawn fence	39	91	12,752
Chain link fabric	1,195	1,446	207,948
TOTAL for 1942	12,424	13,879	1,381,376
1943 - Farm fence	14,298	14,033	1,314,339
Lawn fence	-	-	-
Chain link fabric	400	394	73,601
TOTAL for 1943	14,698	14,427	1,387,940

Table 14 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF NAILS, TACKS AND STAPLES,
1940 - 1943

Year	Iron and steel wire staples kegs	Iron and steel wire nails and spikes kegs	Wire and cut tacks of all kinds lb.	Iron and steel cut nails kegs
1940 - Quantity made	34,253	1,465,736	2,996,849	21,683
Quantity sold	34,373	1,431,260	2,832,447	21,694
Value of sales \$	156,479	5,558,130	345,498	209,602
1941 - Quantity made	34,966	1,652,644	3,301,301	24,100
Quantity sold	41,730	1,770,965	3,725,004	24,599
Value of sales \$	190,777	7,060,464	528,244	162,816
1942 - Quantity made	37,198	1,487,565	2,987,403	20,829
Quantity sold	40,623	1,587,644	3,161,490	21,310
Value of sales \$	188,244	6,267,500	453,006	153,968
1943 - Quantity made	42,597	1,471,260	3,597,925	21,028
Quantity sold	45,888	1,514,218	3,454,957	21,727
Value of sales \$	216,157	5,965,727	478,456	168,245

Table 15 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL WIRE ROPE AND CABLE, 1933 - 1943 (From all industries)

Year	Wire rope and cable			Twisted strand wire			Total value of sales
	Quantity made	Quantity sold	Income from sales	Quantity made	Quantity sold	Income from sales	
	Tons	Tons	\$	Tons	Tons	\$	
1933	Not avail- able		1,138,338	Not avail- able		98,250	1,236,588
1934			1,818,861			84,544	1,903,405
1935			1,971,742			168,449	2,140,191
1936			2,292,379			98,883	2,391,262
1937			3,134,073			293,285	3,427,358
1938			2,567,931			139,263	2,707,194
1939			3,045,417			207,905	3,253,322
1940	12,916	12,779	5,132,285	2,407	1,569	346,804	5,479,089
1941	17,075	17,818	6,806,336	2,610	2,652	583,495	7,389,831
1942	18,038	18,193	8,978,725	1,871	2,058	551,500	9,530,225
1943	18,360	18,341	8,964,101	1,505	1,527	356,279	9,320,380

Table 16 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL BALE TIES, 1933 - 1943

Year	Quantity made	Quantity sold	Income from sales
	Tons	Tons	\$
1933	3,498	3,567	276,805
1934	5,021	5,280	396,806
1935	4,366	4,373	335,263
1936	4,975	4,897	365,964
1937	5,932	6,315	509,011
1938	3,872	3,924	319,434
1939	5,744	5,061	403,435
1940	5,937	5,825	505,018
1941	5,929	6,064	543,719
1942	5,928	5,832	531,000
1943	4,332	4,411	398,785

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1943

NOTE: This is not intended to be a complete list of concerns which manufacture wire and wire goods in Canada but is merely a list of the firms which the Bureau has classified to the Wire and Wire Goods Industry. This industry includes only the plants that manufactured wire or wire goods of iron or steel as their chief products. Producers of copper wire and cable for electrical purposes have been classified to the Electrical Apparatus and Supplies Industry.

Names of Firms	Location of Plants
<u>NOVA SCOTIA -</u>	
(x) Dominion Steel and Coal Corp. Ltd.	Sydney
<u>NEW BRUNSWICK -</u>	
New Brunswick Wire Fence Co. Ltd.	402 Main St., Moncton
(x) Dominion Steel and Coal Corp. Ltd. (James Pender & Co. Ltd.)	320 Charlotte St., Saint John
<u>QUEBEC -</u>	
Anglo-Canadian Wire Rope Co. Ltd.	Fairview Ave., Lachine
Belanger, J. A.	Rivière Bleue
Bostitch-Canada Ltd.	Confederation Building, Montreal
Canadian Staples Ltd.	504 St. Lawrence Blvd., Montreal
(x) Canadian Tube & Steel Products Ltd.	5900 St. Patrick St., Montreal
Central Wire & Iron Works Co.	380 Dorchester St. W., Montreal
City Wire & Iron Products Co.	1584 Laurier Ave. E., Montreal
Dominion Wire Rope and Cable Co. Ltd.	35 St. Joseph St., Lachine
Eddy Metal Products	1315 St. Catherine E., Montreal
Foster, H. S. & Son	Granby
Hump Hairpin Mfg. Co. of Canada, Ltd.	Ste. Anne St., St. Hyacinthe
Macdonald Metal Products Co. Ltd.	50 Taylor St. E., Waterloo
New York Wire Works Ltd.	1002 St. Dominique St., Montreal
Peck Rolling Mills Ltd.	851 Mill St., Montreal
(x) St. Lawrence Wire Co. Ltd.	2084 Moreau St., Montreal
Security Fence Co. Ltd.	2651 St. Catherine St. E., Montreal
(x) Steel Company of Canada, Ltd.	2320 Notre Dame St. W., Montreal
(x) Steel Company of Canada, Ltd.	75 St. Joseph St., Lachine
Steel Heddle Co. of Canada, Ltd.	6259 Notre Dame St. E., Montreal
United Shoe Machinery Co. of Canada, Ltd.	2610 Bennett Ave., Montreal
<u>ONTARIO -</u>	
Andrews Wire Works of Canada Ltd.	Watford
Artercraft Shoppe	60 Colborne St., Toronto
Argos Mfg. Co.	Stoney Creek
Atlas Spring & Cushion Co.	316 Clinton St., Toronto
Barret Bob Pin Co. Ltd.	31 Teraulay St., Toronto
Brown Wire Specialty Co.	16 George St., Hamilton
Bull Dog Lacer Co. of Canada, Ltd.	14 Ferguson Ave., Hamilton
Canada Tack and Nail Co. Ltd.	Morrisburg
Canadian Spring Co.	2784 Dundas St. W., Toronto
(x) Canadian Steel Corporation Ltd.	Ojibway

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1943 (Cont'd)

Names of Firms	Location of Plants
<u>ONTARIO - Concluded</u>	
Canadian Wire Specialties	905 Bathurst St., Toronto
City Wire Works Co.	1050 Queen St. W., Toronto
Crescent Wire & Iron Works	650 Princess St., Kingston
Cooper Bros. & Wilson	4 Kelvin Ave., Toronto
Denning-Canadian Fence Co. Ltd.	Perth
Diamalloy Co.	2318 Gerrard St., Toronto
Dominion Tack & Nail Co. Ltd.	431 Dundas St., Galt
Donald Ropes & Wire Cloth Co.	180 King William St., Hamilton
Ferrier Wire Goods Co.	22 Mulock Ave., Toronto
Fitzgerald-McAvoy Wire Goods	782 King St. W., Toronto
(x) Frost Steel & Wire Co. Ltd.	250 Lottridge St. N., Hamilton
Gerrard Co. Ltd.	390 King St. E., Hamilton
(x) Graham Nail & Wire Products, Ltd.	35 Fraser Ave., Toronto 2
Greening, B., Wire Co. Ltd.	55 Queen St., Hamilton
Hamilton Wire Products Ltd.	304 Gage Ave., Hamilton
Hollup Corporation Ltd.	107 Atlantic Ave., Toronto
Isard Le Fevre Mfg. Co. Ltd.	500 King St. W., Toronto 2
Keenan Fence Co.	17th St. E., Owen Sound
Kitchener Spring Co. Ltd.	34 Bridgeport Rd., Waterloo
(x) Laidlaw Bale Tie Co. Ltd.	Birmingham St., Hamilton
Lundy Steel Products, Ltd.	Dunnville
Marshall Specialty Co.	1414 Dundas St. W., Toronto
National Standard Co. of Canada Ltd.	133 Woolwich St., Guelph
No-Sag Spring Co. Ltd.	414 Sandwich St. W., Windsor
Regal Spring Co.	68 Claremont St., Toronto
Rice, Henry E.	99 Spadina Ave., Toronto
Robertson, P. L., Mfg. Co. Ltd.	Bronte St., Milton
Servos & Bateman	46 Kelly St., Hamilton
(x) Steel Company of Canada, Ltd.	334 Wellington St. N., Hamilton
Steele Brothers Ltd.	121 Macdonnell St. E., Guelph
Steele's Wire Springs	33 Baker St., Guelph
Superior Wire Works	1216 Dundas St. W., Toronto
Toronto Wire Works	978 Queen St. W., Toronto
Tyler, W. S., Co. of Canada, Ltd.	Kensington Place, St. Catharines
Wallace Barnes Co. Ltd.	274 Sherman Ave. N., Hamilton
Waterloo Spring Co.	102 Breithaupt St., Kitchener
Western Wire & Nail Co. Ltd.	100 St. George St., London
Windsor Fence & Wire Products	3210 Howard Ave., Windsor
(x) Young, L.A., Industries of Canada, Ltd.	187 Geary Ave., Toronto and 1441 McDougall Ave., Windsor

MANITOBA -

Phoenix Mfg. Co. Ltd.	674 Tache St., St. Boniface
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BRITISH COLUMBIA -

B. C. Anchor Fence Co. Ltd.	1031 Pender St. W., Vancouver
British Ropes Canadian Factory Ltd.	Granville Island, Vancouver

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1943 (Concl'd)

Names of Firms	Location of Plants
<u>BRITISH COLUMBIA - Concluded</u>	
Clifford Wire Works	1217 Wharf St., Victoria
Industrial Wire & Iron Works	156 Fourth Ave. W., Vancouver
(x) Morrison Steel & Wire Co. Ltd.	Granville Island, Vancouver
Wright's Canadian Ropes Ltd.	Granville Island, Vancouver
Pacific Wire	1362 Franklin St., Vancouver

(x) Wire-drawing plants.



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MINISTÈRE DES TRAVAUX PUBLICS (Canada)

TABLEAU 1

Location of plants

Number of plants

City where 30, Victoria
100 North Ave., Vancouver
Granville Island, Vancouver
Granville Island, Vancouver
1000 Franklin St., Vancouver

BRITISH COLUMBIA - 1960-61
City where 30, Victoria
Industrial area, 100 North
(x) North 100 North Ave., Vancouver
City where 30, Victoria
Granville Island

(x) Vancouver plant