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MINING, METALLURGICAL & CHEMICAL BRANCH

THE WIRE AND WIRE GOODS INDUSTRY
IN
CANADA
1944



OTTAWA
1946

Price 25 cents

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ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS GROUP

THE WIRE AND WIRE GOODS INDUSTRY, 1944

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 1944 the 84 factories in this industry were distributed by provinces as follows: Ontario, 51; Quebec, 21; British Columbia, 8; New Brunswick, 2; Nova Scotia 1, and Manitoba 1.

Factory sales in 1944 were valued at \$41,609,836 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 1943 factory sales were reported at \$41,117,308 and in 1942 at \$42,702,658.

The 13 wire drawing plants which operated in 1944 employed 3,440 workers while the 71 establishments engaged only in the fabricating of wire goods had 3,135 workers. Sales from the wire drawing plants amounted to \$22,982,745 and from the fabricating plants to \$18,627,091.

The average number of employees in all plants in 1944 was 6,575 of whom 4,204 worked in Ontario and 1,564 in Quebec. Payments to the 830 salaried employees totalled \$2,083,819 while the 5,745 wage-earners were paid \$9,365,773, a total for salaries and wages of \$11,449,592. In 1943 payments amounting to \$10,993,311 were made to 6,674 employees.

Table 1 - PRINCIPAL STATISTICS OF THE WIRE AND WIRE GOODS INDUSTRY, 1934 - 1944

Year	Number of plants	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
1934	69	3,163	3,272,740	520,633	4,526,426	14,684,561
1935	71	3,477	3,752,990	522,386	5,075,080	13,235,678
1936	73	3,806	4,225,245	548,122	5,529,986	18,369,397
1937	75	4,536	5,531,891	602,503	7,976,821	23,558,635
1938	77	4,331	5,096,940	556,849	6,005,857	20,605,207
1939	76	4,523	5,684,938	621,476	7,262,999	25,063,379
1940	73	5,126	7,126,134	717,339	10,298,230	32,446,893
1941	82	6,396	9,107,560	801,366	13,235,277	42,395,022
1942	78	6,877	10,625,721	824,176	13,704,549	42,702,658
1943	80	6,674	10,993,311	903,977	12,717,237	41,117,308
1944	84	6,575	11,449,592	934,152	13,506,456	41,609,836
Per cent change, 1944 from 1943	-	-1.48	+4.16	+3.32	+6.2	+1.2

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, 1943 and 1944.

Year	Number of plants	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>1943</u>						
Wire-drawing plants	14	3,600	6,245,346	703,382	6,356,122	24,348,201
Fabricating plants only ..	66	3,074	4,747,965	200,595	6,361,115	16,769,107
TOTAL	80	6,674	10,993,311	903,977	12,717,237	41,117,308
<u>1944</u>						
Wire-drawing plants	13	3,440	6,456,008	725,030	6,050,550	22,982,745
Fabricating plants only ..	71	3,135	4,993,584	209,122	7,455,906	18,627,091
	84	6,575	11,449,592	934,152	13,506,456	41,609,836

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1943 and 1944.

Year	Number of plants	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>1943</u>						
Quebec	20	1,334	2,121,629	265,412	2,220,049	9,650,180
Ontario	49	4,581	7,624,817	560,581	7,572,434	24,540,777
British Columbia	7	358	604,600	29,352	2,253,597	3,571,034
Other provinces(x)	4	401	642,265	48,632	671,157	3,355,317
CANADA	80	6,674	10,993,311	903,977	12,717,237	41,117,308
<u>1944</u>						
Quebec	21	1,564	2,505,875	279,217	2,417,497	9,974,930
Ontario	51	4,204	7,580,325	565,716	7,814,166	24,278,894
British Columbia	8	419	687,350	29,072	2,600,228	4,223,849
Other provinces(x)	4	388	676,042	60,147	674,565	3,132,163
CANADA	84	6,575	11,449,592	934,152	13,506,456	41,609,836

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

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1943 and 1944

AVERAGE NUMBER OF EMPLOYEES									
Province	On salaries		On wages		TOTAL	Salaries	Wages	TOTAL SALARIES and WAGES	
	Male	Female	Male	Female					
						\$	\$	\$	
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	
1 9 4 4									
Quebec	134	86	1,099	245	1,564	497,761	2,008,114	2,505,875	
Ontario	307	232	2,606	1,059	4,204	1,378,500	6,201,825	7,580,325	
British Columbia	33	17	263	106	419	156,591	530,759	687,350	
Other provinces.	14	7	361	6	388	50,967	625,075	676,042	
CANADA	488	342	4,329	1,416	6,575	2,083,819	9,365,773	11,449,592	

Table 5 - WAGE-EARNERS, BY MONTHS, 1943 and 1944 (On the last work day of each month)

Month	1 9 4 3			1 9 4 4		
	Male	Female	Total	Male	Female	TOTAL
January	4,511	1,523	6,034	4,493	1,483	5,976
February	4,445	1,625	6,070	4,473	1,431	5,904
March	4,445	1,593	6,038	4,413	1,434	5,847
April	4,349	1,597	5,946	4,370	1,426	5,796
May	4,289	1,590	5,879	4,326	1,430	5,756
June	4,301	1,541	5,842	4,367	1,423	5,790
July	4,210	1,512	5,722	4,301	1,438	5,739
August	4,224	1,483	5,707	4,289	1,390	5,679
September	4,245	1,542	5,787	4,187	1,424	5,611
October	4,252	1,487	5,739	4,222	1,422	5,644
November	4,287	1,497	5,784	4,285	1,410	5,695
December	4,267	1,463	5,730	4,224	1,265	5,489
AVERAGE	4,319	1,540	5,859	4,329	1,416	5,745

Table 6 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1943 and 1944 (In one week of highest employment; overtime included)

Hours worked per week -	Number of wage-earners			
	1 9 4 3		1 9 4 4	
	Male	Female	Male	Female
30 hours or less	207	109	171	73
31 - 43 hours	479	379	498	390
44 hours	104	94	250	135
45 - 47 hours	383	366	426	303
48 hours	399	387	469	206
49 - 50 hours	460	260	509	233
51 - 54 hours	613	107	563	110
55 hours	860	89	1,042	122
56 - 64 hours	917	89	627	18
65 hours and over	287	5	171	4
TOTAL	4,709	1,885	4,726	1,594
Total wages paid in selected week	\$154,919	38,974	162,568	34,515

Table 7 - FUEL AND ELECTRICITY USED, 1943 AND 1944

Kind	Unit of Measure	1 9 4 3		1 9 4 4	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian	Ton	8,505	64,409	12,173	98,099
Imported	Ton	28,934	223,989	25,868	208,015
Anthracite coal	Ton	171	2,339	74	1,177
Coke	Ton	443	4,901	323	3,962
Gasoline	Imp. Gal.	37,226	11,168	38,417	11,919
Kerosene	Imp. Gal.	1,584	304	2,460	377
Fuel oil	Imp. Gal.	174,215	16,001	159,500	15,173
Wood	Cord	393	1,830	436	2,197
Gas - Manufactured (x) ...	M cu. ft.	661,690	173,843	597,612	168,093
Natural	M cu. ft.	23,303	12,955	25,908	15,604
Other fuel .....	...	...	...	...	1,636
Electricity purchased	K. W. H.	42,495,671	392,238	49,426,699	407,900
TOTAL .....	...	...	903,977	...	934,152

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

Table 8 - POWER EQUIPMENT, 1943 and 1944

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
<u>1 9 4 3</u>				
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
<u>1 9 4 4</u>				
Gasoline, gas and oil engines	7	121	1	6
Electric motors run by purchased power	2,410	21,474	103	975
TOTAL	2,417	21,594	104	981
Electric motors run by primary power shown above	153	3,764	2	6
Stationary power boilers	26	2,788	1	250
Motor-generator sets	27	4,031	2	47

Table 9 - MATERIALS USED IN MANUFACTURING, 1944.

Material	Unit of measure	Materials made in producers' own works	Purchased Materials	
			Quantity	Cost at works
Iron and steel -				
Bars	Net ton	402	1,257	107,813
Wire rods	Net ton	148,011	74,638	3,417,957
Wire - plain	Net ton	86,952	30,472	3,572,992
galvanized	Net ton	26,353	15,910	2,087,845
Nail plate	Lb.	783,266	-	-
Tack plate	Lb.	2,059,196	3,266,386	102,411
Other iron and steel .....	...	-	-	639,248
Other metals -				
Copper bars, rods, sheets, etc. ...	Lb.	-	609,931	99,351
Brass and bronze rods, sheets, etc.	Lb.	-	1,365,520	267,389
Lead	Lb.	-	633,159	32,460
Tin	Lb.	-	8,397	4,965
Zinc (spelter)	Lb.	-	6,695,884	365,512
All other metals .....	...	-	-	146,598
Other materials -				
Acid, muriatic, 20° Bé	Lb.	-	1,974,909	29,126
Acid, sulphuric 86° Bé	Lb.	-	13,018,861	109,352
Shipping containers .....	...	-	-	891,333
All other materials .....	...	-	-	1,632,104
TOTAL .....	...	-	-	13,506,456

Table 10 - PRODUCTS MANUFACTURED, 1944.

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.

Product	Unit of Measure	Quantity made	Quantity sold	Income from sales
SECTION "A" - WIRES				
(Total production, whether for sale or for further manufacture)				
Iron and Steel Wires -				
Plain wire	Net ton	193,590	51,573	4,432,405
Galvanized wire	Net ton	57,007	22,056	2,183,545
Other coated wire	Net ton	1,650	1,556	139,509
Barbed wire	Net ton	12,556	12,471	1,056,379
Cold rolled flat wire of all sizes, qualities and finishes, including nut steel	Net ton	4,320	3,101	454,046
Drawn welding rods or welding wire in coils, or in cut lengths, for gas or electric welding	Net ton	13,189	7,373	856,698
Wire bale ties	Net ton	4,857	4,901	450,353

Table 10 - PRODUCTS MANUFACTURED, 1944 - 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	1,298,456	1,335,194	5,250,604
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	19,180	17,663	134,492
Wire staples, iron and steel, of all kinds	Kegs	46,173	45,082	193,075
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.	4,062,431	3,980,544	551,350
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails and staples for paper stitching .....	...	-	-	261,442
SECTION "C" - WIRE FENCING AND WIRE NETTING				
Woven wire farm fence	Tons	21,652	20,620	1,885,273
Woven wire lawn fence	Tons	-	-	-
Woven wire chain link fabric (including tonnage for industrial fences)	Tons	1,048	1,030	181,192
Steel fence posts and railing	Tons	1,687	1,631	125,719
Gates	No.	17,230	16,740	137,900
Snow fence (x) .....	...	-	-	156,359
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing (x)	Tons	1,400	1,412	190,062
Wire cloth of iron or steel, including screen cloth .....	...	-	-	1,388,350
Woven wire poultry netting, steel	Tons	1,128	1,128	224,261
SECTION "D" - WIRE GOODS				
Steel wire rope or cable (x)	Tons	16,862	16,851	8,071,518
Twisted strand wire (including galvanized guy wire, wire clothes lines twisted bed strand) (x)	Tons	1,266	1,366	360,423
Steel hoops, wire and other, for casks, barrels, or kegs	M	2,780	1,054	8,336
Steel wire upholstering springs and construction (x) .....	...	-	-	1,240,613
Other steel wire springs (except bed springs) (x) .....	...	-	-	3,526,289
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire paper clips, wire guards, etc.)	-	-	3,061,232

Wire

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Table 10 - PRODUCTS MANUFACTURED, 1944 - 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.	-	-	-	5,088,411
TOTAL	-	-	-	41,609,836

Table 11 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL WIRE, 1941 - 1944

Year		Plain wire	Galvanized wire	Wire, other coated	Barbed wire
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	\$	5,067,922	2,477,825	624,115	1,270,256
1942 - Quantity made	Tons	202,116	46,383	not	10,085
Quantity sold	Tons	53,588	23,422	avail-	10,975
Income from sales	\$	4,598,172	2,451,878	able	891,960
1943 - Quantity made	Tons	191,210	41,681	not	9,801
Quantity sold	Tons	52,270	17,250	avail-	9,920
Income from sales	\$	4,480,538	1,991,901	able	866,090
1944 - Quantity made	Tons	193,590	57,007	2,001	12,556
Quantity sold	Tons	51,573	22,056	1,884	12,471
Income from sales	\$	4,432,405	2,183,545	169,294	1,056,379

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 12 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF WIRE FENCING, 1941 - 1944

Year	Quantity made	Quantity sold	Income from sales
	(net tons)		\$
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

Table 12 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF WIRE FENCING, 1941 - 1944
(concluded)

Year	Quantity made	Quantity sold	Income from sales
	(net tons)		\$
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
1944 - Farm fence	21,652	20,620	1,885,273
Lawn fence	-	-	-
Chain link fabric	1,048	1,030	181,192
TOTAL for 1944	22,700	21,650	2,066,465

Table 13 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF NAILS, TACKS AND STAPLES,
1941 - 1944

Year	Iron and steel wire staples	Iron and steel wire nails and spikes	Wire and cut tacks of all kinds	Iron and steel cut nails
	kegs	kegs	lb.	kegs
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	543,006	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	\$ 215,157	5,965,727	478,456	168,245
1944 - Quantity made	46,173	1,298,456	4,062,431	19,180
Quantity sold	45,082	1,335,194	3,980,544	17,663
Value of sales	\$ 193,075	5,250,604	551,350	134,492

Table 14 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL WIRE ROPE AND CABLE, 1934 - 1944 (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	\$	
1934		Not	1,818,861		Not	84,544	1,903,405
1935		avail-	1,971,742		avail-	168,449	2,140,191
1936		able	2,292,379		able	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
1944	21,118	21,107	9,841,967	1,754	1,847	455,472	10,297,439

Table 15 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL BALE TIES, 1934 - 1944

Year	Quantity made	Quantity sold	Income from sales
	Tons	Tons	\$
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
1944	4,857	4,901	450,353

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1944.

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>	
Allied Wire & Metal Incorporated	2395 Cartier St. Montreal
Anglo-Canadian Wire Rope Co. Ltd.	Fairview Ave., Lachine
Belanger, J. A.	Rivière Bleue
Bostitch-Canada Ltd.	Confederation Building, Montreal
Canadian Staples Limited	504 St. Lawrence Blvd., Montreal
(x) Canadian Tube & Steel Products Limited	5900 St. Patrick St., Montreal
Cogan Metal Products Limited	380 Dorchester St. W., Montreal
City Wire & Iron Products Co.	1584 Laurier Ave. E., Montreal
Dominion Wire Rope and Cable Co. Limited	175 St. Joseph St., Lachine
Foster, H. S., & Son	Granby
General Wire Works	1315 St. Catherine E., Montreal
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 Limited	851 Mill St., Montreal
(x) St. Lawrence Wire Company Limited	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, Limited	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
Artcraft Shoppe	60 Colborne St., Toronto
Argos Mfg. Co.	Stoney Creek
Atlas Spring & Cushion Co.	10 Ernest Ave., Toronto
Barret Bob Pin Co. Ltd.	31 Teraulay St., Toronto
Brown Wire Specialty Co.	16 George St., Hamilton
Bull Dog Lacer Company Canada, Limited	14 Ferguson Ave., Hamilton
Canada Tack and Nail Company	Morrisburg
Canadian Spring Co.	2784 Dundas St. W., Toronto
(x) Canadian Steel Corporation Ltd.	Ojibway
Canadian Wire Specialties	906 Bathurst St., Toronto
City Wire Works Co.	1050 Queen St. W., Toronto

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1944 (Cont'd)

Names of Firms	Location of Plants
ONTARIO - Concluded	
Crescent Wire & Iron Works	650 Princess St., Kingston
Cooper Bros., & Wilson	4 Kelvin Ave., Toronto
Denning-Canadian Fence Company	Perth
Diamalloy Company	2318 Gerrard St., Toronto
Dominion Tack & Nail Company Limited	431 Dundas St., Galt
Donald Ropes & Wire Cloth Co.	180 King William St., Hamilton
Ferrier Wire Goods Company	22 Mulock Ave., Toronto
Fitzgerald-McAvoy Wire Goods	782 King St. W., Toronto
(x) Frost Steel & Wire Company Limited	250 Lottridge St. N., Hamilton
General Spring Products Ltd.	65 Halls Lane, Kitchener
Gerrard Company Ltd.	390 King St. E., Hamilton
(x) Graham Nail & Wire Products, Limited	35 Fraser Ave., Toronto 2
(x) Greening, B., Wire Co. Ltd.	55 Queen St., Hamilton
Hamilton Wire Products Limited	304 Gage Ave., Hamilton
Hollup Corporation Limited	107 Atlantic Ave., Toronto
Isard Le Fevre Mfg. Co. Ltd.	500 King St. W., Toronto
Keenan Fence Company	17th St. E., Owen Sound
Kitchener Spring Co. Limited	34 Bridgeport Rd., Waterloo
(x) Laidlaw Bale Tie & Wire Company Limited	Birmingham St., Hamilton
Lundy Steel Products, Limited	Dunnville
Marshall Specialty Co. Ltd.	1414 Dundas St. W., Toronto
National Standard Company Canada Ltd.	133 Woolwich St., Guelph
No-Sag Spring Company Limited	44 Cathcart St., Hamilton
Pritchard, E. W., and Sons	99 Torrens Ave., Todmorden, Ont.
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 Limited	334 Wellington St. N., Hamilton
Steele Brothers Ltd.	121 Macdonnell St. E., Guelph
Steele's Wire Springs Limited	33 Baker St., Guelph
Superior Wire Works	1216 Dundas St. W., Toronto
Toronto Wire Works Co.	978 Queen St. W., Toronto
Tyler, W. S., Co. of Canada, Ltd.	Kensington Place, St. Catharines
Wallace Barnes Company Limited	274 Sherman Ave. N., Hamilton
Waterloo Spring Co. Ltd.	102 Breithaupt St., Kitchener
Western Wire & Nail Company Limited	100 St. George St., London
Windsor Fence & Wire Products	3210 Howard Ave., Windsor
Young, L. A., Industries of Canada, Ltd.	187 Geary Ave., Toronto and 1441 McDougall Ave., Windsor

MANITOBA -

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

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

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1944 (Concl'd)

Names of Firms	Location of Plants
BRITISH COLUMBIA - Concluded	
Clifford Wire Works	1217 Wharf St., Victoria
Industrial Wire & Iron Works	156 Fourth Ave. W.,
(x) Morrison Steel & Wire Co. Ltd.	Granville Island, Vancouver
Wright's Canadian Ropes Limited	Franville Island, Vancouver
Pacific Wire Company	1362 Franklin St., Vancouver
Alderson, D.	2698 Bronson Ave., New Westminster

(x) Wire-drawing plants.

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