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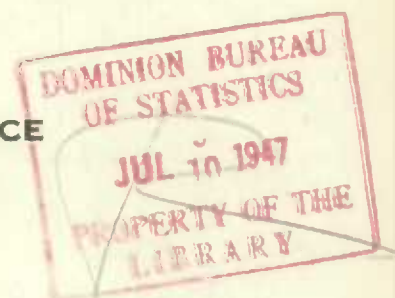
MINING, METALLURGICAL & CHEMICAL STATISTICS

THE WIRE AND WIRE GOODS INDUSTRY
IN
CANADA
1945



OTTAWA
1947

Price 25 Cents



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ANNUAL INDUSTRY REPORTIRON AND STEEL AND THEIR PRODUCTS GROUPTHE WIRE AND WIRE GOODS INDUSTRY, 1945

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 1945 the 89 factories in this industry were distributed by provinces as follows: Ontario, 52; Quebec, 23; British Columbia, 8; New Brunswick, 2; Nova Scotia 1; Manitoba, 2; and Alberta 1.

Factory sales in 1945 were valued at \$41,026,403 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 1944 factory sales were reported at \$41,609,836 and in 1943 at \$41,117,308.

The 13 wire drawing plants which operated in 1945 employed 3,483 workers while the 76 establishments engaged only in the fabricating of wire goods had 2,675 workers. Sales from the wire drawing plants amounted to \$23,896,782 and from the fabricating plants to \$17,129,621.

The average number of employees in all plants in 1945 was 6,158 of whom 3,820 worked in Ontario and 1,544 in Quebec. Payments to the 882 salaried employees totalled \$2,056,099 while the 5,276 wage-earners were paid \$8,735,427, a total for salaries and wages of \$10,791,526. In 1944 payments amounting to \$11,449,592 were made to 6,575 employees.

Table 1 - PRINCIPAL STATISTICS OF THE WIRE AND WIRE GOODS INDUSTRY, 1935-1945

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
			\$	\$	\$	\$
1935	71	3,477	3,752,990	522,386	5,075,080	16,235,678
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
1945	89	6,158	10,791,526	953,731	13,837,950	41,026,403
Per cent change, 1945 from 1944 ....	..	-6.3	-5.7	+2.1	+2.4	-1.4

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.

This report was prepared by J. J. Parchelo, Statistician, Metal & Chemical Products.

Table 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1944 and 1945

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 sell- ing value of shipments at works \$
<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
TOTAL ...	84	6,575	11,449,592	934,152	13,506,456	41,609,836
<u>1945</u>						
Wire-drawing plants	13	3,483	6,303,760	762,281	6,645,534	23,896,782
Fabricating plants only	76	2,675	4,487,766	191,450	7,192,416	17,129,621
TOTAL ...	89	6,158	10,791,526	953,731	13,837,950	41,026,403

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1944 and 1945

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>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(*)	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
<u>1945</u>						
Nova Scotia	1)	395	682,193	74,582	669,368	3,239,216
New Brunswick	2)					
Quebec	23	1,544	2,495,564	281,326	2,592,753	9,843,227
Ontario	52	3,820	6,915,765	566,472	7,854,300	23,062,251
Manitoba	2)	12	11,401	607	7,157	19,894
Alberta	1)					
British Columbia..	8	387	686,598	30,744	2,714,372	4,861,815
CANADA	89	6,158	10,791,526	953,731	13,837,950	41,026,403

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

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1944 and 1945

Province	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
1944								
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
1945								
Nova Scotia)								
New Bruns-)	12	6	373	4	395	36,547	645,651	682,198
wick)								
Quebec ...	151	88	1,085	220	1,544	543,791	1,951,773	2,495,564
Ontario ..	340	228	2,576	676	3,820	1,313,134	5,602,631	6,915,765
Manitoba..)								
Alberta ..)	4	...	8	...	12	4,700	6,701	11,401
British Columbia.	35	18	234	100	387	157,927	528,671	686,598
CANADA..	542	340	4,276	1,000	6,158	2,056,099	8,735,427	10,791,526

Table 5 - WAGE-EARNERS, BY MONTHS, 1944 and 1945 (On the last work day of each month)

Month	1944			1945		
	Male	Female	Total	Male	Female	Total
January	4,493	1,483	5,976	4,168	1,068	5,236
February	4,473	1,431	5,904	4,179	1,124	5,303
March	4,413	1,434	5,847	4,192	1,150	5,342
April	4,370	1,426	5,796	4,183	1,150	5,333
May	4,326	1,430	5,756	4,168	1,133	5,301
June	4,367	1,423	5,790	4,155	1,065	5,220
July	4,301	1,438	5,739	4,113	1,048	5,161
August	4,289	1,390	5,679	4,183	975	5,158
September	4,187	1,424	5,611	4,364	903	5,267
October	4,222	1,422	5,644	4,483	849	5,332
November	4,285	1,410	5,695	4,489	765	5,254
December	4,224	1,265	5,489	4,597	732	5,329
AVERAGE	4,329	1,416	5,745	4,276	1,000	5,276

Table 6 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1944 and 1945 (In one week of highest employment; overtime included)

Hours Worked per Week	Number of Wage-earners			
	1 9 4 4		1 9 4 5	
	Male	Female	Male	Female
30 hours or less	171	73	169	92
31-43 hours	498	390	492	212
44 hours	250	135	284	255
45-47 hours	426	303	663	289
48 hours	469	206	1,455	121
49-50 hours	509	233	201	71
51-54 hours	563	110	353	25
55 hours	1,042	122	875	91
56-64 hours	627	18	257	3
65 hours and over	171	4	56	...
TOTAL	4,726	1,594	4,805	1,159
Total wages paid in selected week \$	162,568	34,515	168,194	25,439

Table 7 - FUEL AND ELECTRICITY USED, 1944 and 1945

Kind	Unit of measure	1 9 4 4		1 9 4 5	
		Quantity	Cost at	Quantity	Cost at
			works \$		works \$
Bituminous coal--Canadian	ton	12,173	98,099	12,135	95,329
Imported	ton	25,868	208,015	26,208	219,164
Anthracite coal	ton	74	1,177	113	1,850
Coke	ton	323	3,962	381	4,187
Gasoline	Imp.gal.	38,417	11,919	38,687	11,162
Kerosene	Imp.gal.	2,460	377	1,248	224
Fuel oil	Imp.gal.	159,500	15,173	184,751	16,690
Wood	cord	436	2,197	430	2,280
Gas - Manufactured (*) ..	M cu.ft.	597,612	168,093	602,463	184,596
Natural	M cu.ft.	25,908	15,604	7,820	5,951
Other fuel .....	...	...	1,636	...	1,800
Electricity purchased ...	K.W.H.	49,426,699	407,900	46,749,389	410,498
TOTAL .....	...	...	934,152	...	953,731

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

Table 8 - POWER EQUIPMENT, 1944 and 1945

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number	Total rated horse power
1 9 4 4				
Gasoline, gas and oil engines	7	120	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 boilers	26	2,788	1	250
Motor-generator sets	27	4,031	2	47

Table 8 - POWER EQUIPMENT, 1944 and 1945 (Concluded)

	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 5</u>				
Gasoline, gas and oil engines	8	131	1	6
Electric motors run by purchased power	2,590	22,062	155	1,134
TOTAL	2,598	22,193	156	1,140
Electric motors run by primary power shown above	166	3,524	2	6
Stationary power boilers	18	2,518	1	250
Motor-generator sets	30	5,058	2	295

Table 9 - MATERIALS USED IN MANUFACTURING, 1945

Material	Unit of measure	Materials made in producers' own works	Purchased Materials	
			Quantity	Cost at works
				\$
Iron and steel -				
Bars	Net ton	483	1,310	122,980
Wire rods	Net ton	157,665	80,893	3,672,623
Wire - Plain	Net ton	71,811	33,566	4,538,184
Galvanized	Net ton	4,839	10,292	1,128,279
Sheets	Net ton	1,435	1,742	179,630
Strips	Net ton	53	3,050	253,400
Pipe and tubing .....	...	...	...	81,927
Nail plate	lb.	1,089,825	...	...
Tack plate	lb.	2,236,886	1,937,154	87,393
Other iron and steel .....	...	...	...	153,937
Other metals -				
Copper bars, rods, sheets, etc. ...	lb.	...	875,264	137,564
Brass and bronze rods, sheets, etc.	lb.	...	1,731,473	367,109
Lead	lb.	...	625,055	31,755
Tin	lb.	...	12,001	7,487
Zinc (spelter)	lb.	...	6,930,389	366,506
All other metals .....	...	...	...	66,986
Other materials -				
Acid, muriatic, 20° Bé	lb.	...	1,949,626	28,649
Acid, sulphuric, 66° Be	lb.	...	12,846,664	121,531
Shipping containers .....	...	...	...	851,614
All other materials .....	...	...	...	1,640,396
<hr/>				
TOTAL .....	...	...	...	13,837,950

Table 10 - PRODUCTS MANUFACTURED, 1945

NOTE: Data for the items specified below represent, except where indicated by (*), the totals for Canada as well as for the wire and wire goods industry, according to returns to the Industrial Census for 1945. The mark (*) 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	214,475	56,070	4,605,066
Galvanized wire	Net ton	60,246	23,711	2,322,294
Other coated wire	Net ton	2,789	2,131	218,387
Barbed wire	Net ton	11,680	11,476	975,166
Cold rolled flat wire of all sizes, qualities and finishes, including nut steel	Net ton	6,865	3,715	530,247
Drawn welding rods or welding wire in coils, or in cut lengths, for gas or electric welding	Net ton	8,682	8,625	949,268
Wire bale ties	Net ton	5,232	5,311	497,661
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	1,399,595	1,399,355	5,512,718
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	15,644	17,212	136,224
Wire staples, iron and steel, of all kinds	kegs	40,600	43,457	200,863
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.	4,265,821	3,311,052	611,088
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails and staples for paper stitching ...		...	...	295,041
SECTION "C"—WIRE FENCING AND WIRE NETTING				
Woven wire farm fence	tons	23,424	22,839	2,092,807
Woven wire chain link fabric (including tonnage for industrial fences) ..	tons	1,206	1,234	194,260
Steel fence posts and railing (*) ..	tons	3,428	3,052	218,374
Gates	No.	26,722	23,980	183,773
Snow fence (*) .....	...	...	...	212,384
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing (*)	tons	2,411	2,307	349,215
Wire cloth of iron or steel, including screen cloth .....	...	...	...	1,385,987
Woven wire poultry netting, steel ..	tons	1,266	1,266	275,491

Table 10 - PRODUCTS MANUFACTURED, 1945 (Concluded)

Product	Unit of measure	Quantity made	Quantity sold	Income from sales
				\$
SECTION "D"--WIRE GOODS				
Steel wire rope or cable (*)	tons	18,113	17,806	7,988,584
Twisted strand wire (including galvanized guy wire, wire clothes lines, twisted bed strand)(*)	tons	1,852	1,862	461,311
Steel hoops, wire and other, for casks, barrels or kegs	M	2,943	1,015	8,290
Steel wire upholstering springs and construction .....	...	...	...	898,491
Other steel wire springs (except bed springs) .....	...	...	...	2,068,214
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire paper clips, wire guards, etc.)(*) ....	...	...	...	2,942,714
SECTION "E" - PRODUCTS OTHER THAN WIRE AND WIRE GOODS				
Bolts and nuts (*), horseshoe calks, screws (*), perforated metals, etc. ...	...	...	...	4,892,485
TOTAL .....	...	...	...	41,026,403

Table 11 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL WIRE, 1942-1945

Year		Plain wire	Galvanized wire	Wire, other coated	Barbed wire
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	181,819	57,007	1,650	12,556
Quantity sold	tons	51,573	22,056	1,556	12,471
Income from sales ...	\$	4,432,405	2,183,545	139,509	1,056,379
1945 - Quantity made	tons	214,475	60,246	2,789	11,680
Quantity sold	tons	56,070	23,711	2,131	11,476
Income from sales ...	\$	4,605,066	2,322,294	218,387	975,166

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, 1942-1945

Year	Quantity made (net tons)	Quantity sold	Income from sales \$
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	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	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	22,700	21,650	2,066,465
1945 - Farm fence	23,424	22,839	2,092,807
Lawn fence .....	...	...	...
Chain link fabric ...	1,206	1,234	194,260
TOTAL	24,630	24,073	2,287,067

Table 13 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF NAILS, TACKS AND STAPLES, 1942-1945

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
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 ... \$	216,157	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
1945 - Quantity made	40,600	1,399,595	4,265,821	15,644
Quantity sold	43,457	1,399,355	3,311,052	17,212
Value of sales ... \$	200,863	5,512,718	611,088	136,224

Table 14 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL WIRE ROPE AND CABLE,
1935-1945 (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	\$	
1935 ...	N o t		1,971,742	N o t		168,449	2,140,191
1936 ...			2,292,379			98,883	2,391,262
1937 ...	a v a i l -		3,134,073	a v a i l -		293,285	3,427,358
1938 ...			2,567,931			139,263	2,707,194
1939 ...	a b l e		3,045,417	a b l e		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
1945 ...	20,466	20,148	9,346,047	2,472	2,408	561,239	9,907,286

Table 15 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL BALE TIES,
1935-1945

Year	Quantity made	Quantity sold	Income from sales
	Tons	Tons	\$
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
1945	5,232	5,311	497,661

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1945

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.

<u>Name of Firm</u>	<u>Location of Plant</u>
<u>Nova Scotia -</u>	
Dominion Steel and Coal Corp. Ltd. (*)	Sydney
<u>New Brunswick -</u>	
New Brunswick Wire Fence Co. Ltd.	402 Main St., Moncton
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 Bldg., Montreal
Canadian Staples Limited	504 St. Lawrence Blvd., Montreal
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
Eddy Metal Products Reg'd.	4568 St. Lawrence Blvd., Montreal
Foster, H. S. & Son	Granby
General Wire Works	1315 St. Catherine St. E., Montreal
Hump Hairpin Mfg. Co. of Canada, Ltd.	Ste. Anne St., St. Hyacinthe
Maxwell Mfg. Co.	1950 Rosemount Blvd., Montreal
New York Wire Works Ltd.	4375 Iberville St., Montreal
Peck Rolling Mills Ltd.	851 Mill St., Montreal
Perfect Dryers Ltd.	6651 Des Ecoles St., Montreal
St. Lawrence Wire Company Limited (*)	2084 Moreau St., Montreal
Security Fence Co. Ltd.	2651 St. Catherine St. E., Montreal
Steel Company of Canada, Ltd. (*)	2320 Notre Dame St. W., Montreal
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
Artercraft Shoppe	60 Colborne St., Toronto
Argos Mfg. Co.	Stoney Creek
Atlas Spring & Cushion Co.	104 Sherbourne St., 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
Canadian Steel Corporation Ltd. (*)	Ojibway
Canadian Wire Specialties	905 Bathurst St., Toronto
City Wire Works Co.	1082 Queen St. W., Toronto

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1945
(Continued)

Name of Firm	Location of Plant
<u>Ontario (Con.) -</u>	
Cooper Bros., & Wilson	4 Kelvin Ave., Toronto
Denning-Canadian Fence Company	Perth
Dominion Tack & Nail Company Limited	431 Dundas St., Galt
Donald Ropes & Wire Cloth Co.	180 King William St., Hamilton
Domwood Enterprises	157 Dawes Road, Toronto
Ferrier Wire Goods Company	22 Mulock Ave., Toronto
Fitzgerald-McAvoy Wire Goods	782 King St. W., Toronto
Frost Steel & Wire Company Limited (*)	250 Lottridge St. N., Hamilton
Garden City Wire Works Co.	231 St. Paul St. W., St. Catharines
General Spring Products Ltd.	65 Halls Lane, Kitchener
Gerrard Company Ltd.	390 King St. E., Hamilton
Graham Nail & Wire Products, Limited (*)	35 Fraser Ave., Toronto 2
Greening, B., Wire Co. Ltd. (*)	55 Queen St., Hamilton
Hamilton Wire Products Limited	304 Gage Ave., Hamilton
Hollup Corporation Limited	107 Atlantic Ave., Toronto
Hosiery Stretcher Mfg. Co.	103 Catharine St. S., Hamilton
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
Laidlaw Bale Tie & Wire Company Limited (*)	Birmingham St., Hamilton
Lundy Steel Products, Limited	Dunnville
Marshall Specialty Co. Ltd.	1417 Dundas St. W., Toronto
Modern Ornamental Iron & Wire Works	703 Adelaide St. W., Toronto
National Standard Company Canada Ltd.	133 Woolwich St., Guelph
No-Sag Spring Company Limited	445 Nightingale Ave., London
Pritchard, E. W., and Sons	99 Torrens Ave., Todmorden
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
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
Windsor Fence & Wire Products	3210 Howard Ave., Windsor
Young, L. A., Industries of Canada, Ltd.	1441 McDougall Ave., Windsor
<u>Manitoba -</u>	
Nolin-Hunter Mfg. Co.	376 Bertrand St., St. Boniface
Phoenix Mfg. Co. Ltd.	674 Tache St., St. Boniface
<u>Alberta -</u>	
Alberta Wire Works	10846 .. 95th St., Edmonton

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1945
(Concluded)

Name of Firm	Location of Plant
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British Columbia -	
Abel Mfg. Co.	600 West 6th Ave., Vancouver
B. C. Anchor Fence Co. Ltd.	1031 Pender St. W., Vancouver
British Ropes Canadian Factory Limited	Granville Island, Vancouver
Clifford Wire Works	1217 Wharf St., Victoria
Industrial Wire & Iron Works	156 Fourth Ave. W., Vancouver
Morrison Steel & Wire Co. Ltd. (*)	Granville Island, Vancouver
Wright's Canadian Ropes Limited	Granville Island, Vancouver
Pacific Wire Company	1362 Franklin St., Vancouver

(*) Wire-drawing plants.

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