

41-216 3

DOMINION BUREAU OF STATISTICS—DEPARTMENT OF TRADE AND COMMERCE
CANADA



THE WIRE AND WIRE GOODS INDUSTRY
1951

Published by

Authority of the Rt. Hon. C. D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section
Industry and Merchandising Division
Dominion Bureau of Statistics
Ottawa

NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I—General Review of the Manufacturing Industries, \$1.50.
- II—The Manufacturing Industries, by Provinces
 - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢.
 - Section 2. Principal Statistics of Individual Industries, 75¢.
 - Section 3. Principal Statistics by Regional Distribution, 75¢.
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
- X—Iron and Steel Products
- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—Miscellaneous Manufactures

The present report belongs in Part X, Iron and Steel Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A—General Review, 25¢.
- B—The Agricultural Implements Industry, 25¢.
- C—The Boilers and Plate Work Industry, 25¢.
- D—The Bridge Building and Structural Steel Industry, 25¢.
- E—The Hardware, Tools and Cutlery Industry, 25¢.
- F—The Heating and Cooking Apparatus Industry, 25¢.
- G—The Machinery Industry, 25¢.
- H—The Machine Shops Industry, 25¢.
- I—The Iron Castings Industry, 25¢.
- J—The Primary Iron and Steel Industry, 25¢.
- K—The Sheet Metal Products Industry, 25¢.
- L—The Wire and Wire Goods Industry, 25¢.
- M—The Miscellaneous Iron and Steel Products Industry, 25¢.

THE WIRE AND WIRE GOODS INDUSTRY

1951

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.

In 1951, the 117 factories in this industry were distributed, by provinces, as follows: Ontario, 66; Quebec, 31; British Columbia, 12; 2 each in Newfoundland, New Brunswick and Manitoba, and 1 each in Nova Scotia and Alberta.

Factory sales in 1951 were valued at \$106,511,920, 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 1950, factory sales were reported at \$86,606,837 and in 1949 at \$71,434,083.

The 15 wire-drawing plants which operated in 1951 employed 4,276 workers and the 102 establishments engaged only in the fabricating of wire goods had 4,583 workers. Sales from the wire-drawing plants amounted to \$57,693,379 and from the fabricating plants to \$48,818,541.

The total number of employees in all plants in 1951 was 8,859, of whom 5,721 worked in Ontario and 2,173 in Quebec. Payments to the 1,676 salaried employees totalled \$6,341,636 and the 7,183 wage-earners were paid \$20,487,617, a total for salaries and wages of \$26,829,253. The 1950 payments amounted to \$22,051,692 and were made to 8,259 employees.

TABLE 1. Principal Statistics of the Wire and Wire Goods Industry, 1947-1951

Year	Number of plants	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	Net ¹ value of production
1947.....	97	6,687	\$ 13,911,469	\$ 1,018,054	\$ 18,278,925	\$ 54,563,614	\$ 35,266,635
1948.....	102	6,946	\$ 16,155,155	\$ 1,135,590	\$ 20,957,865	\$ 63,947,687	\$ 41,854,232
1949.....	102	7,206	\$ 18,454,608	\$ 1,159,690	\$ 23,729,156	\$ 71,434,083	\$ 46,545,237
1950.....	115	8,259	\$ 22,051,692	\$ 1,389,733	\$ 29,349,168	\$ 86,606,837	\$ 55,867,936
1951.....	117	8,859	\$ 26,829,253	\$ 1,449,244	\$ 37,773,731	\$ 106,511,920	\$ 67,288,945
Per cent change 1951 from 1950	—	+ 7.3	+ 21.7	+ 4.3	+ 28.7	+ 23.0	+ 20.4

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.

1. Gross value less cost of materials, fuel and electricity.

TABLE 2. Principal Statistics, by Sub-Groups, 1950 and 1951

Year	Number of plants	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
1950			\$	\$	\$	\$
Wire-drawing plants	12	3,802	10,664,742	979,201	13,559,196	47,959,404
Fabricating plants only	103	4,457	11,386,950	410,532	15,789,972	38,647,433
Total	115	8,259	22,051,692	1,389,733	29,349,168	86,606,837
1951						
Wire-drawing plants	15	4,276	13,454,563	1,005,501	17,484,625	57,693,379
Fabricating plants only	102	4,583	13,374,690	443,743	20,309,106	48,818,541
Total	117	8,859	26,829,253	1,449,244	37,773,731	106,511,920

TABLE 3. Principal Statistics, by Provinces, 1950 and 1951

Year	Number of plants	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
1950			\$	\$	\$	\$
Newfoundland	2					
Nova Scotia	1	{ 496	1,251,142	93,524	1,456,749	6,519,687
New Brunswick	2					
Quebec	30	2,047	4,937,801	380,388	5,013,529	20,081,762
Ontario	67	5,367	14,956,294	875,464	20,113,787	55,125,866
Manitoba	2	{ 18	39,000	1,600	17,600	80,350
Alberta	1					
British Columbia	10	331	867,455	38,757	2,747,503	4,799,172
Canada	115	8,259	22,051,692	1,389,733	29,349,168	86,606,837
1951						
Newfoundland	2					
Nova Scotia	1	{ 542	1,420,954	92,012	1,715,074	7,538,125
New Brunswick	2					
Quebec	31	2,173	6,390,464	429,628	7,420,705	26,163,701
Ontario	66	5,721	17,638,053	882,943	24,801,984	66,056,768
Manitoba	2	{ 18	41,000	1,710	19,150	84,990
Alberta	1					
British Columbia	12	405	1,138,782	42,951	3,816,818	6,668,336
Canada	117	8,859	26,829,253	1,449,244	37,773,731	106,511,920

TABLE 4. Products of the Wire and Wire Goods Industry, 1951

Product		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 (including welding wire and rods)	Net tons	294,373	83,997	12,561,419
Galvanized wire	"	67,183	29,336	5,203,741
Other coated wire	"	4,758	3,752	702,679
Barbed wire	"	10,644	10,389	1,768,751
Cold rolled flat wire of all sizes, qualities and finishes, including nut steel	"	3,799	1,821	477,506
Wire bale ties	"	5,502	5,532	925,533
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	1,865,176	1,818,884	14,107,066
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)	"	27,260	25,281	288,954
Wire staples, iron and steel, of all kinds	"	35,446	34,992	309,034
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.	2,958,954	2,770,333	654,704
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails, aluminum nails and staples for paper stitching	-	-	-	1,117,805
SECTION "C" - WIRE FENCING AND WIRE NETTING				
Woven wire farm fence, steel	tons	16,886	17,036	2,830,970
Woven wire lawn fence, steel	"	1,536	1,289	310,998
Woven wire chain link fabric, steel (including tonnage for industrial fences)	"	3,601	3,347	768,874
Steel fence posts and railing	"	4,300	4,209	456,020
Gates	No.	33,001	31,138	467,469
Snow fence	-	-	-	258,990
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing	tons	7,900	7,843	1,304,537
Wire cloth, all metals, including screen cloth	-	-	-	10,063,014
Miscellaneous fencing and netting	-	-	-	420,943
SECTION "D" - WIRE GOODS				
Steel wire rope or cable	tons	20,859	21,737	12,965,642
Twisted strand wire (including galvanized guy wire, wire clothes lines, twisted bed strand)	"	5,590	5,942	1,956,004
Steel hoops, wire and other, for casks, barrels or kegs	-	-	-	222,357
Steel wire upholstering springs and constructions	-	-	-	8,516,849
Other steel wire springs (except bed springs)	-	-	-	4,279,610
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire paper clips, wire guards, etc.)	-	-	-	8,703,991
SECTION "E" - PRODUCTS OTHER THAN WIRE AND WIRE GOODS				
Bolts and nuts, horseshoe calks, screws, perforated metals, etc.	-	-	-	14,820,385
Amount received for repair work	-	-	-	48,075
Total	-	-	-	106,511,920

Note. Data given in the above table are for the Wire and Wire Goods Industry, which includes only the concerns engaged chiefly in drawing iron and steel wire or in fabricating products from wire. Figures for the individual items do not necessarily represent the total output for Canada as there may also have been an output by concerns classified to other industrial groups. See Tables 6-11 for total production in Canada of certain specified items.

TABLE 5. Materials used in the Wire and Wire Goods Industry, 1951

Material	Materials made in producers' own works	Purchased materials		\$
		Quantity	Cost at works	
Iron and steel (except stainless):				
Bars	Net tons	4,006	2,737	275,957
Wire rods	"	199,209	114,481	9,527,553
Wire:				
Plain	Net tons	59,413	66,178	11,118,546
Galvanized	"	4,483	13,797	2,424,640
Sheets	"	1,632	2,672	348,430
Strips	"	104	3,821	501,948
Pipe and tubing	"	—	—	310,334
Nail plate	lb.	2,316,505	503,091	44,125
Tack plate	"	2,021,196	1,494,768	106,123
Other iron and steel	"	—	—	975,359
Stainless steel:				
Wire	lb.	—	404,209	203,205
Other forms	"	—	—	4,161
Non-ferrous metals:				
Aluminum:				
Castings	lb.	—	32,251	23,840
Sheet	"	—	99,722	38,619
Other forms	"	—	1,321,648	456,496
Copper bars, rods, sheets, etc.	"	—	738,705	235,637
Brass and bronze rods, sheets, etc.	"	—	5,852,086	3,001,714
Lead	"	—	644,842	107,718
Tin	"	—	24,134	37,337
Zinc (spelter)	"	—	8,834,381	1,655,874
All other non-ferrous metals	"	—	—	175,017
Other materials:				
Acid, muriatic, 20° Bé	lb.	—	2,095,201	47,034
Acid, sulphuric, 100%	"	—	16,379,001	218,651
Shipping containers	"	—	—	1,444,650
All other materials	"	—	—	4,490,763
Total	"	—	—	37,773,731

TABLE 6. Total Production and Factory Sales of Steel Wire, 1947-1951

Year		Plain wire	Galvanized wire	Barbed wire	Wire, other coated
1947					
Quantity made	tons	238,301	65,205	10,585	2,166
Quantity sold	"	56,482	26,631	10,382	1,800
Income from sales	\$	5,417,045	3,017,452	1,106,127	246,223
1948					
Quantity made	tons	246,461	63,258	9,306	4,071
Quantity sold	"	58,252	28,374	9,128	2,596
Income from sales	\$	6,346,971	3,674,267	1,104,935	397,015
1949					
Quantity made	tons	251,553	62,076	12,332	2,101
Quantity sold	"	66,774	26,829	11,872	1,657
Income from sales	\$	7,732,483	3,823,501	1,591,023	318,229
1950					
Quantity made	tons	262,966	65,643	11,720	2,176
Quantity sold	"	81,151	29,081	12,032	1,832
Income from sales	\$	10,750,638	4,528,489	1,683,740	400,984
1951					
Quantity made	tons	294,373	67,183	10,644	4,758
Quantity sold	"	83,997	29,336	10,389	3,752
Value of sales	\$	12,561,419	5,203,741	1,768,751	702,679

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

Since 1950, quantity sold and value of sales for welding wire and rods, previously shown separately, have been included with plain wire.

TABLE 7. Total Production and Factory Sales of Steel Wire Fencing, 1947-1951

Year	Quantity made	Quantity sold	Income from sales
	(Net tons)	(Net tons)	\$
1947			
Farm fence	24,297	22,675	2,542,568
Lawn fence	1,766	1,646	298,464
Chain link fabric			
Total	26,063	24,321	2,841,032
1948			
Farm fence	20,757	20,238	2,648,394
Lawn fence	1,395	1,172	243,230
Chain link fabric	1,116	1,278	281,113
Total	23,268	22,688	3,172,737
1949			
Farm fence	19,054	18,398	2,641,497
Lawn fence	1,518	1,470	348,125
Chain link fabric	1,998	2,429	540,319
Total	22,570	22,297	3,529,941
1950			
Farm fence	15,344	16,041	2,428,594
Lawn fence	1,481	1,504	348,365
Chain link fabric	3,102	3,232	771,316
Total	19,927	20,777	3,548,273
1951			
Farm fence	16,886	17,036	2,830,970
Lawn fence	1,536	1,289	310,998
Chain link fabric	3,601	3,347	768,874
Total	22,023	21,672	3,910,842

TABLE 8. Total Production and Factory Sales of Nails, Tacks and Staples, 1947-1951

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
1947				
Quantity made	40,730	1,548,283	4,834,380	18,699
Quantity sold	40,105	1,523,862	4,804,116	18,048
Value of sales	\$ 223,433	7,446,036	838,647	145,478
1948				
Quantity made	31,436	1,735,071	4,494,351	18,055
Quantity sold	32,059	1,741,037	3,884,928	18,809
Value of sales	\$ 219,152	9,804,316	828,953	170,832
1949				
Quantity made	35,504	1,770,411	3,274,002	22,398
Quantity sold	35,866	1,803,241	3,181,841	21,410
Value of sales	\$ 266,368	12,030,359	713,456	261,980
1950				
Quantity made	36,848	1,724,546	2,620,169	21,123
Quantity sold	35,382	1,726,156	3,343,778	20,889
Value of sales	\$ 274,374	12,136,218	707,187	238,383
1951				
Quantity made	35,446	1,865,176	2,958,954	27,260
Quantity sold	34,992	1,818,884	2,770,333	25,281
Value of sales	\$ 309,034	14,107,066	654,704	288,954

Note. 1 keg = 100 pounds.

**TABLE 9. Total Production and Factory Sales of Steel Wire Rope and Cable, 1942-1951
(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	\$	\$
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
1946	15,341	15,544	7,219,582	2,081	2,081	434,915	7,654,497
1947	18,288	18,240	8,699,785	2,186	2,160	480,464	9,180,249
1948	20,809	20,399	10,460,799	5,086	5,038	1,383,871	11,844,670
1949	16,742	16,808	9,261,383	5,598	5,897	1,670,812	10,932,195
1950	16,519	17,677	10,150,355	6,775	6,848	1,781,802	11,932,157
1951	23,216	24,094	15,036,888	7,837	8,189	2,409,506	17,446,394

TABLE 10. Total Production and Factory Sales of Steel Bale Ties, 1942-1951

Year	Quantity made	Quantity sold	Income from sales	Year	Quantity made	Quantity sold	Income from sales
	tons	tons	\$		tons	tons	\$
1942	5,928	5,832	531,000	1947	6,503	6,330	734,825
1943	4,332	4,411	398,785	1948	6,339	5,986	749,329
1944	4,857	4,901	450,353	1949	4,341	4,438	617,197
1945	5,232	5,311	497,661	1950	4,650	4,617	735,168
1946	5,196	5,099	519,405	1951	5,502	5,532	925,533

TABLE 11. Total Production¹ of Welding Rod², 1947-1951 (From all industries)

Year	Quantity	Value of sales
	tons	\$
1947	8,951	1,880,014
1948	10,494	2,315,402
1949	9,277	2,399,825
1950	10,436	2,708,819
1951	11,183	3,344,755

1. Factory sales.

2. Includes both gas and electric welding rod of ferrous type. Complete data on non-ferrous types not available.

TABLE 12. Imports of Steel Wire and Specified Wire Products, 1950 and 1951

Item	1950		1951	
	Quantity	Value	Quantity	Value
Wire				
Wire of iron or steel; barbed fencing, coated or not..... cwt.	3,932	30,538	7,529	88,842
Wire of iron and steel, drawn flat or cold rolled flat after drawing, coated or not, n.o.p., not more than .25 inch in width and less than .1875 inch in thickness	" 3,470	64,664	12,509	229,814
Wire of iron or steel, coated with zinc or spelter, n.o.p."	17,928	297,560	28,832	379,232
Wire of iron or steel, single or several, coated, n.o.p., covered with any material, including cable so covered	" 6,345	136,762	10,950	229,645
Wire rope for rigging of ships and vessels	" 892	12,682	187	3,278
Wire rope for well drilling	- 1	1	-	74,021
Wire of iron or steel, twisted, braided or stranded, including wire rope or cable, coated or not, n.o.p. cwt.	60,989	952,458	88,251	1,472,511
Wire of steel, spring, not less than .40 per cent by weight of carbon, .128, .116, .104 and .092 inch in diameter with tolerance not to exceed .003 inch for the manufacture of mattresses, cushions or upholstery	" 56,510	407,592	110,166	889,039
Wire of steel, flat or woven flat, including steel strip in the coil, coated or not, .064 inch in thickness or thinner, with tolerance not to exceed .002 inch, for the manufacture of corset clasps, steels, wires and dress stays	" 2,841	104,962	2,954	101,391
Wire of steel, valued at not less than 2½ cents per pound, for the manufacture of wire rope	" 312,542	3,091,412	415,885	4,759,055
Wire of steel, single, not covered, in coils, for trolling in bona fide deep sea or inland commercial fishing operations, n.o.p."	-	4,378	-	14,558
Wire, of rust or acid resisting steel, twisted or stranded for commercial operations	-	5,728	-	13,658
Wire, steel, for the manufacture of machine card clothing	cwt. 184	6,429	341	13,069
Wire of iron or steel, coated with zinc or spelter, curved or not, in coils, not more than .144 inch and not less than .080 inch in diameter, with tolerance not to exceed .004 inch, for the manufacture of wire fencing	" 4,033	32,766	3,520	29,473
Wire of steel, n.o.p."	92,086	1,397,711	253,107	3,048,929
Wire or welded wire fencing of iron or steel, from wire not more than .144 inch and not less than .080 inch in diameter, with tolerance not to exceed .004 inch; wire fencing of iron or steel, coated or not, n.o.p."	-	30,412	-	38,327
Wire cloth of iron or steel	-	176,647	-	217,845
Wire netting of iron or steel	-	201,606	-	399,059
Woven or welded wire fencing of iron or steel, coated or not, n.o.p."	-	92,186	-	143,710
Woven netting of iron or steel, coated, for use on fur farms	-	16,284	-	54,048
Wire screens, doors and windows	-	5,698	-	24,095
Cellulose acetate film reinforced with wire mesh	-	58,998	-	80,266
Welding rods or welding wires of all kinds	cwt. 62,495	1,293,681	98,470	1,802,917
Nails, Spikes and Tacks				
Cut nails, of iron or steel, coated or not	cwt. 12,121	106,609	12,665	128,803
Railway spikes and other spikes, of iron or steel, coated or not, n.o.p."	cwt. 3,928	29,862	6,649	46,768
Tacks of all kinds, n.o.p.lb.	32,694	14,805	42,692	14,891
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron or steel, coated or not	cwt. 69,399	517,324	202,014	1,770,603
Wire nails less than one inch in length, and nails and brads, n.o.p., of iron or steel, coated or not	lb. 304,708	101,023	672,573	155,761

1. Not specified separately in 1950.

TABLE 13. Exports of Steel Wire and Specified Wire Products, 1950 and 1951

Item	1950		1951	
	Quantity	Value	Quantity	Value
	\$	\$		
Wire, barbed, of iron or steel	cwt.	55	510	431
Wire cable and wire rope of iron and steel	—	—	84,389	—
Wire screen of iron	—	—	121,184	—
Woven wire fencing of iron and steel	—	—	14,213	—
Wire of iron and steel, n.o.p.	—	—	625,315	—
Nails, wire	cwt.	480	3,872	733
Tacks of all kinds, of iron and steel	"	10,370	184,805	7,509
Nails and brads, of iron and steel, n.o.p.	"	1,098	11,161	1,002

TABLE 14. Employees and Their Earnings in the Wire and Wire Goods Industry, 1950 and 1951

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
1950						\$	\$	\$
Newfoundland								
Nova Scotia	50	10	436	—	496	177,932	1,073,210	1,251,142
New Brunswick								
Quebec	302	111	1,440	194	2,047	1,321,268	3,616,533	4,937,801
Ontario	704	318	3,836	509	5,367	3,444,900	11,511,394	14,956,294
Manitoba								
Alberta	6	—	12	—	18	13,600	25,400	39,000
British Columbia	46	20	200	65	331	254,143	613,312	867,455
Canada	1,108	459	5,924	768	8,259	5,211,843	16,839,849	22,051,692
1951								
Newfoundland								
Nova Scotia	51	8	483	—	542	185,447	1,235,507	1,420,954
New Brunswick								
Quebec	327	117	1,535	194	2,173	1,581,435	4,809,029	6,390,464
Ontario	739	350	4,111	521	5,721	4,199,158	13,638,895	17,838,053
Manitoba								
Alberta	6	—	12	—	18	14,100	26,900	41,000
British Columbia	51	27	243	84	405	361,496	777,286	1,138,782
Canada	1,174	502	6,384	799	8,859	6,341,636	20,487,617	26,829,253

Directory of Firms in the Wire and Wire Goods Industry, 1951

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 plants that manufactured wire of iron or steel or wire goods as their chief products. Producers of copper wire and cable for electrical purposes have been classified to the Electrical Apparatus and Supplies Industry.

Name	Address
Newfoundland:	
Dawe's Nail and Hardware ¹	Bay Roberts
United Nail & Foundry Co. Ltd. ¹	Hamilton Ave., St. John's
Nova Scotia:	
Dominion Iron & Steel Ltd. ¹	Sydney
New Brunswick:	
New Brunswick Wire Fence Co. Ltd.	402 Main St., Moncton
Dominion Steel and Coal Corp. Ltd. ¹	320 Charlotte St., Saint John
Quebec:	
Aluminum Industries	9769 St. Lawrence Blvd., Montreal
Anglo-Canadian Wire Rope Co. Ltd.	Fairview Ave., Lachine
Artistic Wire Works	8152 Drolet St., Montreal
Bélanger, J.A.	Rivière Bleue
Bostitch-Canada Ltd.	98 St. Mathieu St., Ville St. Laurent, Montreal 9
Canadian Blank Book Company	8530 Esplanade, Montreal
Canadian Staples Limited	1 Notre Dame St. W., Montreal
Canadian Tube & Steel Products Limited ¹	5900 St. Patrick St., Montreal
Christie, George, Canada, Limited	2106 Belleville St., Three Rivers
Cogan Wire and Metal Products Limited	4760 Hochelaga, 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.	1297 Papineau, Montreal
Foster Springs Reg'd	Granby
Helical & Cable Shop	11419 Victoria Ave., Montreal
Johnson Wire Works Ltd., The	530 De Courcelles St., Montreal
Jones Lamp Frame Co.	5549-11th Ave., Rosemount, Montreal
Laurentian Wire Products Reg'd	9221 St. Lawrence Blvd., Montreal
MacDonald Metals & Plastics Ltd.	50 Taylor St., Waterloo
Maxwell Wire Products Ltd.	7365 St. Anselme St., Montreal
New York Wire Works Ltd.	4375 Iberville St., Montreal
Ontario Wire Works Mfg.	4166 Parthenais St., Montreal
Pennsylvania Co. of Canada	1361 Notre Dame St. E., Montreal
Perfect Dryers Ltd.	6651 Des Ecores St., Montreal
Ren. Marc Industries	218 Papineau St., Montreal
Sivaco Wire & Nail Co. ¹	Marieville
Steel Company of Canada, Ltd. ¹	2320 Notre Dame St. W., Montreal
Steel Company of Canada, Ltd. ¹	75 St. Joseph St., Lachine
Steel Heddle Co. of Canada, Limited	310 St. Hubert St., Granby
Superior Wire & Paper Products Ltd.	9600 St. Lawrence Blvd., Montreal
United Shoe Machinery Co. of Canada, Ltd.	2610 Bennett Ave., Montreal
Ontario:	
Andrews Wire Works of Canada Ltd.	Watford
Artcraft Shoppe	60 Colborne St., Toronto
Argos Mfg. Co.	Stoney Creek
Atlas Spring Products Limited	6 Lisgar St., Toronto
Beaverton Specialties Limited	Beaverton
Bennett Wire Products	349 Huron St., Toronto
Bohne Industries Ltd.	1149-53 Queen St. W., Toronto
Brown Wire Specialty Co.	14 George St., Hamilton
Bull Dog Lacer Company Canada, Limited	14 Ferguson Ave., Hamilton
Canadian Spring Co.	2784 Dundas St. W., Toronto
Canadian Steel Corporation Ltd. ¹	Ojibway
Canadian Wire Specialties	905 Bathurst St., Toronto
Capital Wire Cloth & Mfg. Co. Ltd.	Hinton Ave., Ottawa
City Wire Works Co.	1082 Queen St. W., Toronto
Dominion Chain Company Limited	800 Bender Ave., Niagara Falls
Dominion Fasteners Limited	686 Parkdale Avenue, N., Hamilton
Dominion Tack & Nail Company Limited	431 Dundas St., Galt
Donald Ropes & Wire Cloth Limited	180 King William St., Hamilton
Perrier Wire Goods Company	22 Nulock Ave., Toronto
Fitzgerald-McAvoy Wire Goods	3431 Dundas St. W., Toronto
Flex-O-Loc Spring Products of Canada Ltd.	42 Yonge St. N., Richmond Hill



Directory of Firms in the Wire and Wire Goods Industry - 1951 - Concluded

Name	Address
Ontario — Concluded:	
Florists' Wire Works	364 Broadview Ave., Toronto
Francolite Manufacturing Co.	83 Mead Ave., Hamilton
Frost Steel & Wire Company Limited ¹	250 Lottridge St. N., Hamilton
Garden City Wire Works Co.	Pelham Road, St. Catharines
General Spring Products Ltd.	60 Ottawa St. S., Kitchener
Gerrard Company Ltd.	390 King St. E., Hamilton
Graham Nail & Wire Products, Limited ¹	35 Fraser Ave., Toronto
Greening, B., Wire Co. Ltd. ¹	55 Queen St., Hamilton
Hamilton Wire Products Limited	304 Gage Ave., Hamilton
Hi-Bek Precision Spring Co.	216 Fairfield Ave. N., Hamilton
Hollup Corporation Limited	719 King St. W., Toronto
Hopkins Co., John	298 Markham St., Toronto
Hosiery Stretcher Mfg. Co.	103 Catherine St. S., Hamilton
Imperial Wire Specialty	1242 Bloor St. W., Toronto
Isard Le Fevre Mfg. Co. Ltd.	500 King St. W., Toronto
Kitchener Spring Co. Limited	34 Bridgeport Rd., Waterloo
Libby Manufacturing	Tecumseh
Lucas, Charles, Co.	551 Eastern Ave., Toronto
Lundy Steel Products, Limited	Dunnville
Lunenfeld, H., & Sons, Ltd.	Morrisburg
McKinnon Columbus Chain Limited	Ontario St., St. Catharines
Marcus Spring Company Ltd.	71 Ossington Ave., Toronto
Marshall Specialty Co. Ltd.	1417 Dundas St. W., Toronto
National Standard Company Canada Ltd.	133 Woolwich St., Guelph
Niagara Wire Weaving Co. Ltd.	Robinson St., Niagara Falls
No-Sag Spring Company Limited	445 Nightingale Ave., London
Ontario Wire Products Co.	Stoney Creek
Perrin Industries	426 Queen St. E., Toronto
Pritchard, E.W., and Sons	99 Torrens Ave., Toronto
Rice Wire Products	426 Queen St. E., Toronto
St. Catharines Form Twist and Wire Works	51 Kent St., St. Catharines
Servos & Bateman	46 Kelly St., Hamilton
Steel Company of Canada Limited ¹	Birmingham St., Hamilton
Steel Company of Canada Limited ¹	834 Wellington St. N., Hamilton
Steele Brothers Ltd.	47 Johnston St., Guelph
Steele's Wire Springs Limited	33 Baker St., Guelph
Superior Wire Works	1216 Dundas St. W., Toronto
Swan Piper Co. Ltd.	426 Cannon St. E., Hamilton
Toronto Wire Works Co.	2108 Dundas St. W., Toronto
Tyler, W.S., Co. of Canada, Ltd.	Kensington Place, St. Catharines
Universal Wire & Iron Works	401 Glengrove Ave. W., Toronto
Wallace Barnes Company Limited	274 Sherman Ave. N., Hamilton
Waterloo Spring Co. Ltd.	102 Breithaupt St., Kitchener
York Metal Spinning Co.	278 King St. E., Toronto
Young, L.A., Industries of Canada, Ltd.	1441 McDougall Ave., Windsor
Manitoba:	
Nolin-Hunter Mfg. Co.	376 Bertrand St., St. Boniface
Phoenix Mfg. Co. Ltd.	674 Tache St., St. Boniface
Alberta:	
Alberta Wire Works	10846-95th St., Edmonton
British Columbia:	
Abel Mfg. Co.	600 West 6th Ave., Vancouver
B.C. Anchor Fence Co. Ltd.	1031 Pender St. W., Vancouver
B.C. Wire Works	1328-73rd Avenue W., Vancouver
British Ropes Canadian Factory Limited	Granville Island, Vancouver
Clifford Wire Works	384 Kerr Ave., Victoria
Henry, O.J., Co.	654 W. 7th Ave., Vancouver
Industrial Wire & Iron Works	138 E. Fourth Ave., Vancouver
Morrison Steel & Wire Co. (1950) Ltd. ¹	Granville Island, Vancouver
Pacific Wire Company	1362 Franklin St., Vancouver
Simplex Wire & Machine Works	842 Powell St., Vancouver
Wainwright, V.C.	3591 Trafalgar St., Vancouver
Wright's Canadian Ropes Limited	Granville Island, Vancouver

1. Wire-drawing plants.