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CANADA

# THE WIRE AND WIRE GOODS INDUSTRY

## 1954

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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces 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 of Canada, (7 sections, as follows):
  - Section A. Summary for Canada, 25¢
  - Section B. Atlantic Provinces, 25¢
  - Section C. Quebec, 25¢
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- III—Foods and Beverages
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- XII—Iron and Steel Products
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- XVI—Non-metallic Mineral Products
- XVII—Products of Petroleum and Coal
- XVIII—Chemicals and Allied Products
- XIX—Miscellaneous Manufactures

The present report belongs in Part XII, 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¢
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- 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

1954

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 1954 the 126 factories in this industry were distributed, by provinces, as follows: Ontario, 70; Quebec, 34; British Columbia, 14; 2 each in Newfoundland, New Brunswick and Manitoba, and 1 each in Nova Scotia and Alberta.

Factory shipments in 1954 were valued at \$105,900,500, 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 1953 factory shipments were reported at \$104,858,014 and in 1952 at \$105,659,511.

The 15 wire-drawing plants which operated in 1954 employed 4,293 workers and the 111 establishments engaged only in the fabricating of wire goods had 4,438 workers. Shipments from the wire-drawing plants were valued at \$57,730,530 and from the fabricating plants at \$48,169,964.

The total number of employees in all plants in 1954 was 8,731, of whom 5,186 were in Ontario and 2,744 in Quebec. Payments to the 1,942 salaried workers totalled \$7,922,498 and the 6,789 wage-earners were paid \$21,849,061, a total for salaries and wages of \$29,771,559. The 1953 payments amounted to \$28,656,098 and were made to 8,634 employees.

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Notes: 1. Prior to 1954, the cost of companies' "own make" materials such as wire rods, bars, nail and tack plate, etc., transferred from other departments or plants was not included in the total cost of materials used in the Wire and Wire Goods Industry. At the same time, of course, no value was placed on shipments of these materials by the producing industry group. The normal practice for statistical purposes has been to consider shipments of this kind from one industry group to another as part of total sales of the producing industry and as materials by the consuming industry. The special treatment of companies' "own make" materials, therefore, constituted an exception which has affected the calculation of "value added" for the producing industry, in this case, the Primary Iron and Steel Industry as well as the Wire and Wire Goods Industry which actually consumed these materials.

In order to bring the treatment of "own make" materials in line with usual statistical procedures, firms in 1954 were asked to apply a value to such materials transferred to own fabricating plants and to include same in the total value reported as "Factory Shipments" by the producing industry and as "Materials" by the consuming industry. The effect on the Wire and Wire Goods Industry in 1954 has been to increase the total cost of materials with, of course, a corresponding decline in the "value added" figure. For this reason, "value added" and "cost of materials" data shown in this report for 1954 are not comparable with previous years—see Tables 1, 2, 5, 12 and 13 and footnote below.

2. Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954, information not previously available on the value of year-end inventory holdings at plant and plant warehouses was taken into account in calculating the "value added" figure—see Tables 1 and 2 as well as footnote above.

**TABLE 1. Principal Statistics of the Wire and Wire Goods Industry, Significant Years 1929-1954, and by Provinces, 1953 and 1954**

Year and province	Estab- lish- ments	Em- ployees	Earnings	Cost of fuel and electricity at works	Cost at plant of materials used <sup>1</sup>	Value added by manufacture <sup>1</sup>	Gross selling value of factory shipments
	No.	No.	\$	\$	\$	\$	\$
1929.....	60	4,190	5,094,656	490,349	9,777,818	11,379,106	21,647,273
1932.....	71	2,923	2,913,312	437,541	3,591,238	6,378,434	10,407,213
1937.....	75	4,536	5,531,891	602,503	7,976,821	14,979,311	23,558,635
1939.....	76	4,523	5,684,938	621,476	7,262,999	17,178,904	25,063,379
1942.....	78	6,877	10,625,721	824,176	13,704,549	28,173,933	42,702,658
1946.....	97	6,140	11,130,686	893,986	12,528,160	26,711,743	40,133,889
1949.....	102	7,206	18,454,608	1,159,690	23,729,156	46,545,237	71,434,083
1950.....	115	8,259	22,051,692	1,389,733	29,349,168	55,867,936	86,606,837
1951.....	117	8,859	26,829,253	1,449,244	37,773,731	67,288,945	106,511,920
1952.....	116	8,662	27,795,355	1,440,055	38,024,516	66,194,940	105,659,511
1953							
Newfoundland.....	2	494	1,280,554	85,778	1,269,970	4,004,814	5,360,562
Nova Scotia.....	1						
New Brunswick.....	2	2,381	7,624,276	457,038	8,809,473	18,394,770	27,661,281
Quebec.....	33						
Ontario.....	69	5,438	18,659,416	925,266	24,279,709	41,501,802	66,706,777
Manitoba.....	2	21	46,330	1,810	21,630	72,769	96,209
Alberta.....	1						
British Columbia.....	12	300	1,045,522	42,194	2,665,673	2,325,318	5,033,185
<b>Canada.....</b>	<b>122</b>	<b>8,634</b>	<b>28,656,098</b>	<b>1,512,086</b>	<b>37,046,455</b>	<b>66,299,473</b>	<b>104,858,014</b>
1954							
Newfoundland.....	2	477	1,320,760	82,325	3,487,307	1,795,648	5,282,155
Nova Scotia.....	1						
New Brunswick.....	2	2,744	8,997,633	558,071	17,239,166	13,945,120	31,102,742
Quebec.....	34						
Ontario.....	70	5,186	18,379,695	955,852	31,783,468	31,644,363	63,946,838
Manitoba.....	2	19	38,530	1,480	16,720	63,284	81,484
Alberta.....	1						
British Columbia.....	14	305	1,034,941	48,308	2,673,852	2,786,830	5,487,281
<b>Canada.....</b>	<b>126</b>	<b>8,731</b>	<b>29,771,559</b>	<b>1,646,036</b>	<b>55,200,513</b>	<b>50,235,245</b>	<b>105,900,500</b>

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. See footnotes to text.

**TABLE 2. Principal Statistics, by Sub-Groups, 1953 and 1954**

Year	Estab- lish- ments	Em- ployees	Earnings	Cost of fuel and electricity at works	Cost at plant of materials used <sup>1</sup>	Value added by manufacture <sup>1</sup>	Gross selling value of shipments at works
	No.	No.	\$	\$	\$	\$	\$
1953							
Wire-drawing plants.....	16	4,032	13,784,383	1,045,651	16,624,446	37,830,417	55,500,514
Fabricating plants only.....	106	4,602	14,871,715	466,435	20,422,009	28,469,056	49,357,500
<b>Total.....</b>	<b>122</b>	<b>8,634</b>	<b>28,656,098</b>	<b>1,512,086</b>	<b>37,046,455</b>	<b>66,299,473</b>	<b>104,858,014</b>
1954							
Wire-drawing plants.....	15	4,293	15,199,330	1,153,239	34,755,478	22,617,791	57,730,536
Fabricating plants only.....	111	4,438	14,572,229	492,797	20,445,035	27,617,454	48,169,964
<b>Total.....</b>	<b>126</b>	<b>8,731</b>	<b>29,771,559</b>	<b>1,646,036</b>	<b>55,200,513</b>	<b>50,235,245</b>	<b>105,900,500</b>

1. See footnotes to text.

TABLE 3. Inventories<sup>1</sup>, 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Quebec .....	3,962,684	403,475	2,875,975	7,242,134
Ontario .....	7,174,992	1,583,194	6,410,547	15,168,733
British Columbia .....	665,528	62,827	824,748	1,553,103
Other provinces .....	181,747	68,991	736,517	987,255
Canada .....	<b>11,984,951</b>	<b>2,118,487</b>	<b>10,847,787</b>	<b>24,951,225</b>
Closing:				
Quebec .....	4,032,594	374,150	3,515,590	7,945,334
Ontario .....	6,297,801	1,584,432	6,847,392	14,729,625
British Columbia .....	529,349	77,431	846,457	1,453,237
Other provinces .....	278,288	53,250	819,642	1,151,180
Canada .....	<b>11,138,032</b>	<b>2,112,263</b>	<b>12,029,081</b>	<b>25,279,376</b>

1. (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Wire and Wire Goods Industry for the year under review are shown in the above table.

TABLE 4. Products of the Wire and Wire Goods Industry, 1954

Product	Quantity made	Quantity shipped	Value of factory shipments	
			\$	
<b>SECTION "A" - WIRES</b>				
(Total production, whether for sale or for further manufacture)				
Iron and steel wires:				
Plain wire (including welding wire but not welding rods).....	Net tons	254,922	89,636	13,943,424
Galvanized wire.....	"	60,560	28,858	6,076,003
Other coated wire.....	"	1,666	1,567	451,936
Barbed wire.....	"	7,947	8,033	1,220,068
Cold-rolled flat wire of all sizes, qualities and finishes, including nut steel .....	"	2,353	1,605	500,002
Wire bale ties .....	"	3,330	3,352	652,779
<b>SECTION "B" - NAILS, STAPLES AND TACKS</b>				
Wire nails, iron and steel (all wire nails, including shoe rivets and other small sizes of wire nails) .....	kegs	1,598,143	1,505,837	12,124,580
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).....	"	12,770	13,634	165,357
Wire staples, iron and steel, of all kinds .....	"	32,459	28,124	279,849
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.	1,921,431	2,051,754	601,554
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails, aluminum nails and staples for paper stitching .....	-	-	-	786,985
<b>SECTION "C" - WIRE FENCING AND WIRE NETTING</b>				
Woven wire farm fence, steel.....	tons	1	12,431	2,548,615
Woven wire lawn fence, steel .....	"	1	1,213	321,158
Woven wire chain link fabric, steel (including tonnage for industrial fences) .....	"	1	4,147	1,181,418
Steel fence posts and railing.....	"	1	3,065	372,495
Gates.....	No.	1	27,144	622,517
Snow fence .....	+	-	-	156,931
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing .....	tons	1	7,419	1,562,654
Wire cloth:				
Fourdrinier wire cloth.....	sq. ft.	-	6,365,315	6,645,795
Other wire cloth, including insect wire screening-steel, including stainless steel.....	-	-	-	2,767,014
Non-ferrous metal .....	-	-	-	903,205
Miscellaneous fencing and netting .....	-	-	-	374,720

TABLE 4. Products of the Wire and Wire Goods Industry, 1954 - Concluded

Product	Quantity made	Quantity shipped	Value of factory shipments
			\$
<b>SECTION "D" - WIRE GOODS</b>			
Steel wire rope or cable .....	tons 1	20,490	10,941,700
Twisted strand wire (including galvanized guy wire, wire clothes lines, twisted bed strand) .....	" 1	5,911	2,082,178
Steel hoops, wire and other, for casks, barrels or kegs .....	-	-	91,832
Steel wire upholstering springs and constructions .....	-	-	8,395,509
Other steel wire springs (except bed springs) .....	-	-	3,024,887
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire paper clips, wire guards, welding rods, etc.) .....	-	-	12,596,015
<b>SECTION "E" - PRODUCTS OTHER THAN WIRE AND WIRE GOODS</b>			
Bolts and nuts, horseshoe calks, screws, perforated metals, etc.....	-	-	14,402,165
Amount received for repair and custom work .....	-	-	107,155
<b>Total .....</b>	<b>-</b>	<b>-</b>	<b>105,900,500</b>

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.

1. Not collected under this heading after 1951.

TABLE 5. Materials<sup>1</sup> Used in the Wire and Wire Goods Industry, 1954

Material	Companies' own make materials transferred from other departments or plants		Purchased materials and supplies	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
<b>Iron and steel:</b>				
Bars .....	tons 6,890	755,951	1,750	206,504
Wire rods .....	" 165,870	16,510,435	105,555	10,552,444
<b>Wire:</b>				
Plain .....	" -	-	47,262	10,064,619
Galvanized .....	" -	-	14,021	2,840,270
Sheets .....	" 764	100,947	3,257	463,879
Strips .....	" 60	9,531	2,540	479,769
Pipe and tubing .....	-	336,067	-	338,882
Nail and tack plate .....	lb. 1,910,305	93,867	1,414,741	112,260
Other iron and steel .....	-	81,315	-	601,960
<b>Stainless steel:</b>				
Wire .....	lb. -	-	443,184	321,733
Other forms .....	" -	-	9,723	6,335
<b>Non-ferrous metals:</b>				
<b>Aluminum:</b>				
Castings .....	" -	-	47,303	29,103
Sheet .....	" -	-	28,365	13,235
Other forms .....	" -	-	781,322	390,119
Brass and bronze .....	" -	-	4,161,067	2,482,501
<b>Copper:</b>				
Sheet .....	" -	-	46,387	25,386
Wire .....	" -	-	240,619	78,865
Other forms .....	" -	-	86,978	32,307
Lead .....	" -	-	682,669	90,881
Tin .....	" -	-	19,366	17,790
Zinc .....	" -	-	8,466,823	948,041
All other non-ferrous metals .....	-	-	-	208,893
Acid, muriatic .....	lb. -	-	2,200,660	55,041
Acid, sulphuric, 100% .....	" -	-	18,108,088	282,181
Shipping containers and packing materials.....	-	-	-	1,458,011
All other materials .....	-	1,971	-	5,209,420
<b>Total own make materials .....</b>	<b>-</b>	<b>17,890,084</b>	<b>-</b>	<b>-</b>
<b>Total purchased materials .....</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>37,310,429</b>
<b>Total all materials .....</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>55,200,513</b>

1. See footnotes to text.

TABLE 6. Total Production and Factory Sales of Steel Wire, 1950-1954

Year	Plain wire	Galvanized wire	Barbed wire	Wire, other coated	
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
Income from sales .....	\$	12,561,419	5,203,741	1,768,751	702,679
1952					
Quantity made .....	tons	286,761	68,433	9,581	4,311
Quantity sold .....	"	88,884	31,685	8,673	2,943
Income from sales .....	\$	13,841,601	5,979,540	1,378,796	599,722
1953					
Quantity made .....	tons	252,026	55,518	7,410	2,101
Quantity sold .....	"	91,457	24,713	7,278	1,637
Income from sales .....	\$	14,630,209	5,100,698	1,209,228	424,027
1954					
Quantity made .....	tons	254,922	60,560	7,947	1,666
Quantity sold .....	"	89,636	28,585	8,033	1,567
Income from sales .....	\$	13,943,424	6,076,003	1,220,068	451,936

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.

TABLE 7. Total Production and Factory Sales of Steel Wire Fencing, 1950-1954

Year	Quantity made	Quantity sold	Income from sales
	Net tons		\$
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
<b>Total .....</b>	<b>19,927</b>	<b>20,777</b>	<b>3,548,275</b>
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
<b>Total .....</b>	<b>22,023</b>	<b>21,672</b>	<b>3,910,842</b>
1952			
Farm fence .....	1	15,917	3,025,638
Lawn fence .....	1	1,307	374,684
Chain link fabric .....	1	4,008	1,196,831
<b>Total .....</b>	<b>1</b>	<b>21,232</b>	<b>4,597,153</b>
1953			
Farm fence .....	1	12,363	2,457,290
Lawn fence .....	1	1,569	458,949
Chain link fabric .....	1	4,437	1,294,811
<b>Total .....</b>	<b>1</b>	<b>18,369</b>	<b>4,211,050</b>
1954			
Farm fence .....	1	12,431	2,548,615
Lawn fence .....	1	1,313	353,653
Chain link fabric .....	1	4,147	1,181,418
<b>Total .....</b>	<b>1</b>	<b>17,891</b>	<b>4,083,686</b>

1. Not collected under this heading after 1951.

TABLE 8. Total Production and Factory Sales of Nails, Tacks and Staples, 1950-1954

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
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	707,167	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
1952				
Quantity made .....	32,013	1,655,192	2,484,742	11,673
Quantity sold .....	29,969	1,587,817	2,647,348	13,875
Value of sales .....	\$ 285,632	12,682,307	679,437	171,718
1953				
Quantity made .....	30,943	1,437,831	2,307,388	12,781
Quantity sold .....	29,095	1,421,540	2,506,781	13,776
Value of sales .....	\$ 292,028	12,112,524	851,609	168,512
1954				
Quantity made .....	32,459	1,598,143	1,921,431	12,770
Quantity sold .....	28,124	1,505,837	2,051,754	13,634
Value of sales .....	\$ 279,849	12,124,580	601,554	165,357

Note. 1 keg = 100 pounds.

TABLE 9. Total Production and Factory Sales of Steel Wire Rope and Cable, 1945-1954 (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	\$	\$
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
1952.....	1	23,591	14,706,763	1	9,013	2,815,099	17,521,862
1953.....	1	18,694	13,284,965	1	8,911	2,959,208	16,244,173
1954.....	1	19,490	12,485,589	1	7,938	2,665,951	15,151,540

1. Not collected under this heading after 1951.

TABLE 10. Total Production and Factory Sales of Steel Bale Ties, 1945-1954

Year	Quantity made	Quantity sold	Income from sales	Year	Quantity made	Quantity sold	Income from sales
	tons	tons	\$		tons	tons	\$
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
1947.....	6,503	6,330	734,825	1952.....	3,895	3,805	685,151
1948.....	6,339	5,986	749,329	1953.....	2,741	2,791	516,781
1949.....	4,341	4,438	617,197	1954.....	3,330	3,352	652,779

TABLE 11. Total Production<sup>1</sup> of Welding Rods<sup>2</sup>, 1950-1954 (From all industries)

Year	Quantity	Value of sales
	tons	\$
1950 .....	10,436	2,708,819
1951 .....	11,183	3,344,755
1952 .....	16,597	5,459,228
1953 .....	12,919	3,728,495
1954 .....	11,926	3,634,811

1. Factory sales.

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

TABLE 12. Principal Statistics of the Wire and Wire Goods Industry in Canada, Grouped According to Size of Establishment, 1953 and 1954

Establishments reporting factory shipments	Estab-lish-ments	Employees	Earnings	Cost at plant of materials used <sup>1</sup>	Selling value of factory shipments
	No.	No.	\$	\$	\$
1953					
Under \$25,000 .....	29	79	145,921	143,647	419,578
\$25,000 to \$49,999 .....	17	121	254,362	209,865	592,099
\$50,000 to \$99,999 .....	16	173	420,361	543,324	1,147,130
\$100,000 to \$199,999 .....	6	128	357,476	334,055	965,569
\$200,000 to \$499,999 .....	20	685	1,900,976	2,683,002	6,119,186
\$500,000 to \$999,999 .....	11	770	2,080,391	3,752,656	8,993,469
\$1,000,000 to \$4,999,999 .....	19	4,248	14,794,135	23,828,000	53,263,607
\$5,000,000 and over .....	4	2,430	8,702,476	5,551,906	33,357,376
<b>Total</b> .....	<b>122</b>	<b>8,634</b>	<b>28,656,098</b>	<b>37,046,455</b>	<b>104,858,014</b>
1954					
Under \$25,000 .....	29	80	155,481	131,262	418,093
\$25,000 to \$49,999 .....	19	129	263,195	226,731	650,134
\$50,000 to \$99,999 .....	14	152	360,828	467,993	996,214
\$100,000 to \$199,999 .....	7	135	358,685	412,936	1,056,825
\$200,000 to \$499,999 .....	21	671	1,929,272	2,708,564	6,271,479
\$500,000 to \$999,999 .....	11	676	1,950,605	4,114,531	8,159,847
\$1,000,000 to \$4,999,999 .....	22	4,585	16,321,499	29,629,692	56,806,168
\$5,000,000 and over .....	3	2,303	8,431,994	17,508,804	31,541,740
<b>Total</b> .....	<b>126</b>	<b>8,731</b>	<b>29,771,559</b>	<b>55,200,513</b>	<b>105,900,500</b>

1. See footnotes to text.

TABLE 13. Principal Statistics Classified According to Type of Ownership - 1953 and 1954

Type	Estab-lish-ments	Employees	Earnings	Cost at plant of materials used <sup>1</sup>	Selling value of factory shipments
	No.	No.	\$	\$	\$
1953					
Individual ownership .....	32	180	409,272	399,739	1,054,103
Partnerships .....	20	213	559,878	1,265,983	2,209,700
Incorporated companies .....	70	8,241	27,686,948	35,380,733	101,594,211
<b>Total</b> .....	<b>122</b>	<b>8,634</b>	<b>28,656,098</b>	<b>37,046,455</b>	<b>104,858,014</b>
1954					
Individual ownership .....	31	182	394,910	415,139	1,066,657
Partnerships .....	21	228	590,332	1,383,464	2,333,243
Incorporated companies .....	74	8,321	28,786,317	53,401,910	102,500,600
<b>Total</b> .....	<b>126</b>	<b>8,731</b>	<b>29,771,559</b>	<b>55,200,513</b>	<b>105,900,500</b>

1. See footnotes to text.

TABLE 14. Employees and Their Earnings in the Wire and Wire Goods Industry, 1953 and 1954

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1953								
Newfoundland.....	47	11	436	—	494	227,777	1,052,777	1,280,554
Nova Scotia.....								
New Brunswick.....	349	142	1,718	172	2,381	1,896,337	5,727,939	7,624,276
Quebec.....								
Ontario.....	772	355	3,859	452	5,438	4,737,054	13,922,362	18,659,416
Manitoba.....	6	—	14	1	21	15,000	31,330	46,330
Alberta.....								
British Columbia.....	52	23	177	48	300	338,036	707,486	1,045,522
<b>Canada.....</b>	<b>1,226</b>	<b>531</b>	<b>6,204</b>	<b>673</b>	<b>8,634</b>	<b>7,214,204</b>	<b>21,441,894</b>	<b>28,656,098</b>
1954								
Newfoundland.....	45	9	423	—	477	221,878	1,098,882	1,320,760
Nova Scotia.....								
New Brunswick.....	443	189	1,951	161	2,744	2,511,696	6,485,937	8,997,633
Quebec.....								
Ontario.....	810	360	3,613	403	5,186	4,798,834	13,580,861	18,379,695
Manitoba.....	6	—	12	1	19	13,000	25,530	38,530
Alberta.....								
British Columbia.....	52	28	179	46	305	377,090	657,851	1,034,941
<b>Canada.....</b>	<b>1,356</b>	<b>586</b>	<b>6,178</b>	<b>611</b>	<b>8,731</b>	<b>7,922,498</b>	<b>21,849,061</b>	<b>29,771,559</b>

TABLE 15. Production Workers, by Months, 1953 and 1954

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January.....	6,269	710	6,979	6,412	656	7,068
February.....	6,214	730	6,944	6,337	662	6,999
March.....	6,209	741	6,950	6,326	660	6,986
April.....	6,276	724	7,000	6,265	629	6,894
May.....	6,298	730	7,028	6,205	618	6,823
June.....	6,360	722	7,082	6,058	573	6,631
July.....	6,084	661	6,745	5,992	560	6,552
August.....	6,020	614	6,634	6,042	531	6,573
September.....	6,154	600	6,754	6,197	607	6,807
October.....	6,206	624	6,830	6,024	583	6,607
November.....	6,238	613	6,851	6,322	637	6,959
December.....	6,238	624	6,862	6,143	627	6,770
<b>Average.....</b>	<b>6,204</b>	<b>673</b>	<b>6,877</b>	<b>6,178</b>	<b>611</b>	<b>6,789</b>

TABLE 16. Capital and Repair Expenditures in the Wire and Wire Goods Industry, 1950-1954

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	\$'000						
1950.....	558	1,976	2,534	502	2,365	2,867	5,401
1951.....	890	1,987	2,877	717	3,191	3,908	6,785
1952.....	2,284	3,166	5,450	857	3,258	4,115	9,565
1953.....	1,243	3,067	4,310	572	3,182	3,754	8,064
1954 <sup>1</sup> .....	944	1,882	2,826	666	3,132	3,798	6,624

1. Preliminary.

TABLE 17. Imports of Steel Wire and Specified Wire Products, 1953 and 1954

Item	1953		1954	
	Quantity	Value	Quantity	Value
		\$		\$
<b>Wire</b>				
Wire of iron or steel; barbed fencing, coated or not..... cwt.	35,554	249,676	39,471	250,585
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 .....	7,106	136,099	4,649	89,359
Wire of iron or steel, coated with zinc or spelter, n.o.p. ....	15,238	246,157	45,992	475,521
Wire of iron or steel, single or several, coated, n.o.p., covered with any material, including cable so covered .....	11,914	310,112	7,097	194,974
Wire rope for rigging of ships and vessels .....	2,671	50,604	1,105	15,580
Wire rope for well drilling .....	—	128,196	—	118,667
Wire of iron or steel, twisted, braided or stranded, including wire rope or cable, coated or not, n.o.p. .... cwt.	84,722	1,343,411	105,436	1,723,111
Wire of steel, sprung, 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 .....	95,828	698,664	28,960	231,076
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 .....	2,798	109,559	1,767	74,528
Wire of steel, valued at not less than 2½ cents per pound, for the manufacture of wire rope .....	287,393	3,309,569	229,608	2,489,985
Wire of steel, single, not covered, in coils, for trolling in bona fide deep sea or inland commercial fishing operations, n.o.p. ....	—	82,898	—	174,295
Wire, of rust or acid resisting steel, twisted or stranded, for commercial operations .....	—	11,488	—	9,667
Wire, steel, for the manufacture of machine card clothing .....	461	16,653	185	5,303
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 .....	18,128	142,179	1	1
Wire of steel, n.o.p. ....	137,135	1,524,849	99,196	1,274,365
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. ....	—	39,017	—	137,732
Wire cloth of iron or steel .....	—	356,053	—	309,079
Wire netting of iron or steel .....	—	406,365	—	428,660
Woven or welded wire fencing of iron or steel, coated or not, n.o.p. ....	—	183,801	—	121,939
Woven netting of iron or steel, coated, for use on fur farms .....	—	4,717	—	8,219
Wire screens, doors and windows .....	—	51,752	—	92,249
Cellulose acetate film reinforced with wire mesh .....	—	55,826	—	58,843
Welding rods or welding wires of all kinds .....	93,200	2,008,405	92,289	2,154,520
Welded wire fabric, for concrete or other reinforcing .....	2	2	135,113	999,769
<b>Nails, Spikes and Tacks</b>				
Cut nails, of iron or steel, coated or not..... cwt.	5,160	66,869	4,611	76,435
Railway spikes and other spikes, of iron or steel, coated or not, n.o.p. .... cwt.	4,572	34,726	3,258	28,037
Tacks of all kinds, n.o.p. .... lb.	59,365	19,510	51,238	14,191
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron or steel, coated or not .....	92,142	700,180	138,701	964,026
Wire nails less than one inch in length, and nails and brads, n.o.p., of iron or steel, coated or not..... lb.	336,299	87,663	316,320	92,015

1. Discontinued.
2. New item in 1954.

TABLE 18. Exports of Steel Wire and Specified Wire Products, 1953 and 1954

Item	1953		1954	
	Quantity	Value \$	Quantity	Value \$
Wire, barbed, of iron or steel .....	cwt. 9	44	26	105
Wire cable and wire rope of iron and steel .....	—	92,972	—	135,255
Wire screen of iron .....	—	162,668	—	125,809
Woven wire fencing of iron and steel .....	—	10,659	—	3,501
Wire of iron and steel, n.o.p. ....	—	496,115	—	49,336
Nails, wire .....	cwt. 125	1,509	365	4,067
Tacks of all kinds, of iron and steel .....	" 8,127	136,369	4,823	101,115
Nails and brads of iron and steel, n.o.p. ....	" 441	6,945	490	6,942

## Directory of Firms in the Wire and Wire Goods Industry, 1954

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 manufacture 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
<b>Newfoundland:</b>	
Dawe's Nail and Hardware Ltd. ....	Bay Roberts
United Nail & Foundry Co. Ltd. <sup>1</sup> .....	Hamilton Ave., St. John's
<b>Nova Scotia:</b>	
Dominion Iron and Steel Ltd. <sup>1</sup> .....	Sydney
<b>New Brunswick:</b>	
New Brunswick Wire Fence Co. Ltd. ....	402 Main St., Moncton
Dominion Steel and Coal Corp. Ltd. <sup>1</sup> .....	320 Charlotte St., Saint John
<b>Quebec:</b>	
Aluminum Industries Ltd. ....	9769 St. Lawrence Blvd., Montreal
Anglo-Canadian Wire Rope Co. Ltd. ....	125 Rockfield Ave., Lachine
Artistic Wire Works .....	8152 Drolet St., Montreal
Beaver Wire Mfg. Co. ....	8421-9th Ave., Montreal
Bélanger, J.A. ....	Rivière Bleue
Canadian Blank Book Company .....	8530 Esplanade, Montreal
Canadian Staples Limited .....	6705 Upper Lachine Rd., Montreal
Canadian Tube & Steel Products Limited <sup>1</sup> .....	5900 St. Patrick St., Montreal
Champion Tire Chain Co. Ltd. ....	2381 Des Carriers St., Montreal
Christie, George, Canada, Limited .....	2106 Bellefeuille St., Three Rivers
City Wire & Iron Products Co. ....	1584 Laurier Ave. E., Montreal
Cogan Wire and Metal Products Limited .....	4760 Hochelaga, Montreal
Dominion Wire Rope and Cable Co. Limited .....	175 St. Joseph St., Lachine
Eddy Metal Products .....	1297 Papineau, Montreal
Foster Springs Reg'd. ....	Granby
Johnson Wire Works Ltd., The .....	530 De Courcelles St., Montreal
Jones Lamp Frame Co. ....	5549-11th Ave., Rosemount, Montreal
Larame Wire Works .....	956 Maisonneuve, Montreal
Laurentian Wire Products Reg'd. ....	9221 St. Lawrence Blvd., Montreal
Croname (Canada) 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 Reg'd. ....	1185 Montcalm St., Montreal
Sivaco Wire and Nail Co. <sup>1</sup> .....	Marieville
Steel Company of Canada, Ltd. <sup>1</sup> .....	2320 Notre Dame St. W., Montreal
Steel Company of Canada, Ltd. <sup>1</sup> .....	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
Webster & Horsfall (Canada) Ltd. <sup>1</sup> .....	3350 Bellefeuille St., Three Rivers
Wire Work Products Inc. ....	472, rue Lauzon, Montreal

## Directory of Firms in the Wire and Wire Goods Industry, 1954 - Continued

Name	Address
<b>Ontario:</b>	
Andrews Wire Works of Canada Ltd. ....	Watford
Armour Art Craft .....	298A King St. E., Toronto 2
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 Co. ....	349 Huron St., Toronto
Bohne Industries Ltd. ....	1149-53 Queen St. W., Toronto
Bostitch-Canada Ltd. ....	55 Main St., Mimico
Brown Wire Specialty Co. ....	150 Chatham St., Hamilton
Bull Dog Lacer Company Canada, Limited .....	14 Ferguson Ave., Hamilton
Canadian Spring Co. ....	2784 Dundas St. W., Toronto
Canadian Steel Corporation Ltd. <sup>1</sup> .....	Ojibway
Canadian Wire Specialties Co. ....	3370 Dufferin 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
Elgin Springs and Steel Products .....	Aldershot
Ferrier Wire Goods Company .....	22 Muldock Ave., Toronto
Fitzgerald-McAvoy Wire Goods .....	3431 Dundas St. W., Toronto
Florists' Wire Works .....	364 Broadview Ave., Toronto
Francolite Manufacturing Co. ....	83 Mead Ave., Hamilton
Frost Steel & Wire Company Limited <sup>1</sup> .....	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. ....	Hunter & Walnut Sts., Hamilton
Globe Spring & Cushion Co. ....	47 Davies Ave., Toronto
Graham Nail & Wire Products, Limited <sup>1</sup> .....	35 Fraser Ave., Toronto
Greening, B., Wire Co. Ltd. <sup>1</sup> .....	55 Queen St., Hamilton
Griplock of Canada, Limited .....	23 Scott St., Toronto
Gruspiere, Joseph .....	905 Bathurst St., Toronto
Hamilton Wire Design .....	R.R. 3, Guelph
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
Hosliery Stretcher Mfg. Co. ....	103 Catharine St. S., Hamilton
Imperial Wire Specialty .....	1242 Bloor St. W., Toronto
Isard Le Fevre Mfg. Co. Ltd. ....	500 King St. W., Toronto
Kelson Spring Products .....	133 Tecumseh St., Toronto
Kitchener Spring Co. Limited .....	34 Bridgeport Rd., Waterloo
Largo Manufacturing Co. ....	152A King St. E., 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. ....	874 Weston Rd., Toronto
National Standard Company Canada Ltd. ....	133 Woolwich St., Guelph
Niagara Wire Weaving Co. Ltd. ....	Robinson St., Niagara Falls
No-Sag Spring Company Limited .....	Industrial Rd., London
Perrin Industries .....	294 Parliament St., Toronto
Pritchard, E.W., and Sons .....	99 Torrens Ave., Toronto
Rice Wire Products .....	Rear 834 Yonge St., Toronto 2
Round Chain Co. of Canada .....	135 N.Main St., Brampton
Servos & Bateman .....	46 Kelly St., Hamilton
Steel Company of Canada Limited <sup>1</sup> .....	Birmingham St., Hamilton
Steel Company of Canada Limited <sup>1</sup> .....	334 Wellington St. N., Hamilton
Steele Brothers .....	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 .....	2991 Bathurst St., Toronto
Wallace Barnes Company Limited .....	274 Sherman Ave. N., Hamilton
Waterloo Spring Co. Ltd. ....	102 Breithaupt St., Kitchener
Young, L.A., Industries of Canada, Ltd. ....	1441 McDougall Ave., Windsor
Zip-Grip Sales .....	777 Warden Ave., Toronto
<b>Manitoba:</b>	
Nolin-Hunter Mfg. Co. ....	376 Bertrand St., St. Boniface
Phoenix Mfg. Co. Ltd. ....	455 Provencher Ave., St. Boniface

## Directory of Firms in the Wire and Wire Goods Industry, 1954 - Concluded

Name	Address
<b>Alberta:</b>	
Alberta Wire Works .....	10846-95th St., Edmonton
<b>British Columbia:</b>	
Advance Wire Products .....	1398 Mitchell Rd., Vancouver 15
B.C. Anchor Fence Co. Ltd. ....	1031 Pender St. W., Vancouver
B.C. Wire Works Ltd. ....	1328-73rd Avenue W., Vancouver
British Ropes Canadian Factory Limited .....	3185 Grandview Highway, Vancouver
Chamberlain Spring Co. Ltd. ....	1214 Seymour St., 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. Ltd. <sup>1</sup> .....	Granville Island, Vancouver
No-Sag Spring Co. Ltd. ....	1122 S.W. Marine Drive, Vancouver
Pacific Wire Company .....	1362 Franklin St., Vancouver
Simplex Wire & Machine Works .....	842 Powell St., Vancouver
Western Wirecraft Co. ....	1903 W. 1st Ave., Vancouver
Wright's Canadian Ropes Limited .....	Granville Island, Vancouver

1. Wire-drawing plants.

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