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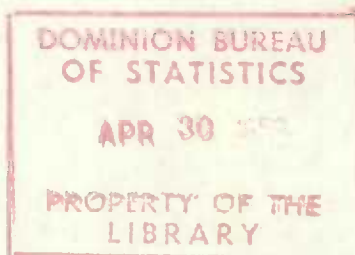
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ANNUAL



THE WIRE AND WIRE GOODS INDUSTRY

1957



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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
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada
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Regional Distribution
- III — Foods and Beverages
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- 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
- B — The Agricultural Implements Industry
- C — The Boilers and Plate Work Industry
- D — The Bridge Building and Structural Steel Industry
- E — The Hardware, Tools and Cutlery Industry
- F — The Heating and Cooking Apparatus Industry
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- I — The Iron Castings Industry
- J — The Primary Iron and Steel Industry
- K — The Sheet Metal Products Industry
- L — The Wire and Wire Goods Industry
- M — The Miscellaneous Iron and Steel Products Industry

Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.

THE WIRE AND WIRE GOODS INDUSTRY 1957

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 1957 the 141 factories in this industry were distributed, by provinces, as follows: Ontario, 77; Quebec, 36; British Columbia, 15; Alberta, 4; 3 in each of New Brunswick and Manitoba; Newfoundland 2 and 1 in Nova Scotia.

Factory shipments in 1957 were valued at \$151,238,354, 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.

Note: 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 and later years 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 and later years 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 and later years are not comparable with previous years—see Table 1, 2, 5, 12 and 13 and footnote to Table 2.

In 1956 the factory shipments were reported at \$160,458,338 and in 1955 at \$130,457,880.

The 15 wire drawing plants which operated in 1957 employed 4,238 persons and the 126 establishments engaged only in the fabrication of wire goods had 5,594 workers. Shipments from the wire drawing plants were valued at \$73,446,679 and from the fabricating plants at \$77,791,675.

The total number of employees in all plants in 1957 was 9,832 of whom 5,967 were in Ontario and 3,037 in Quebec. Payments to the 2,171 salaried workers totalled \$10,785,572 and the 7,661 wage-earners were paid \$28,573,937, a total for salaries and wages of \$39,359,509. The 1956 payments amounted to \$39,801,217 and were made to 10,195 employees.

TABLE 1. Principal Statistics of the Wire and Wire Goods Industry, Significant Years 1929 - 1957, and by Provinces, 1956 and 1957

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used ¹	Value added by manufacture ²	Gross selling value of factory shipments
	number		dollars				
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
1953	122	8,634	28,656,098	1,512,086	37,046,455	66,299,473	104,858,014
1954	126	8,731	29,771,559	1,646,036	55,200,513	50,235,245	105,900,500
1955	125	9,281	34,301,474	1,770,748	68,537,562	59,514,629	130,457,880
1956							
Newfoundland	2	347	1,210,532	67,626	2,811,127	2,292,762	4,941,486
Nova Scotia	1						
New Brunswick	3						
Quebec	37	3,150	12,316,167	685,532	31,032,989	21,758,396	52,288,031
Ontario	73	6,153	24,354,384	1,283,756	50,420,668	44,447,045	93,668,886
Manitoba	2	30	87,315	4,040	437,416	295,143	735,069
Alberta	2						
British Columbia	13	408	1,505,487	65,649	4,384,788	3,134,241	7,484,541
Canada	133	10,195	39,801,217	2,136,471	89,906,441	72,529,912	160,458,338
1957							
Newfoundland	2	381	879,372	73,956	2,142,425	1,696,105	3,961,533
Nova Scotia	1						
New Brunswick	3						
Quebec	36	3,037	12,030,295	687,653	27,131,666	20,564,157	47,998,835
Ontario	77	5,967	24,431,236	1,297,981	47,685,689	41,846,020	89,934,431
Manitoba	3	24	56,307	2,075	23,380	140,782	166,477
Alberta	4	22	97,198	7,547	276,958	339,245	638,363
British Columbia	15	403	1,554,186	65,030	3,766,547	3,615,039	7,392,693
Canada	141	9,832	39,359,509	2,160,985	81,652,795	68,653,446	151,238,354

¹ See footnote to text.² See footnote 2 to Table 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, 1956 and 1957

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used ¹	Value added by manufacture ²	Gross selling value of shipments at works
	number		dollars				
1956							
Wire-drawing plants	15	4,703	20,026,678	1,462,502	56,111,967	32,620,777	87,088,753
Fabricating plants only	118	5,492	19,774,539	673,969	33,794,474	39,909,135	73,369,585
Total	133	10,195	39,801,217	2,136,471	89,906,441	72,529,912	160,458,338
1957							
Wire-drawing plants	15	4,238	18,755,353	1,448,984	49,943,701	22,565,618	73,446,679
Fabricating plants only	126	5,594	20,604,156	712,001	31,709,094	46,087,828	77,791,675
Total	141	9,832	39,359,509	2,160,985	81,652,795	68,653,446	151,238,354

¹ See footnote to text.

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 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in the finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

TABLE 3. Inventories,¹ 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec	6,137,391	341,506	4,930,955	11,409,852
Ontario	11,436,397	2,403,807	8,441,476	22,281,680
British Columbia	1,567,730	148,816	975,538	2,692,084
Other provinces	450,386	173,888	924,071	1,548,345
Canada	19,591,904	3,068,017	15,272,040	37,931,961
Closing:				
Quebec	6,112,237	343,589	5,313,513	11,769,339
Ontario	9,977,770	1,908,367	9,832,175	21,679,312
British Columbia	1,278,301	81,721	1,096,551	2,456,573
Other provinces	441,199	143,597	849,416	1,434,212
Canada	17,809,507	2,477,274	17,091,655	37,378,436

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.

(c) The opening inventory for 1957 does not necessarily agree with the closing inventory for 1956, because of the addition of new plants, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the changes mentioned above.

TABLE 4. Products of the Wire and Wire Goods Industry, 1957

Product	Quantity made	Quantity shipped	Value of factory shipments
\$			
Section "A" - Wires			
(Total production, whether for sale or for further manufacture)			
Iron and steel wires:			
Plain wire (including welding wire but not welding rods)	net ton		
Galvanized wire	"		
Other coated wire	"		
Barbed wire	"		
Cold-rolled flat wire of all sizes, qualities and finishes, including nut steel	"		
Wire bale ties	"		
Section "B" - Nails, Staples and Tacks			
Wire nails, iron and steel (all wire nails, including shoe rivets and other small sizes of wire nails)	keg		
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)	"		
Wire staples, iron and steel, of all kinds	"		
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.		
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails, aluminum nails and staples for paper stitching	-		
Section "C" - Wire Fencing and Wire Netting			
Woven wire farm fence, steel	ton		
Woven wire lawn fence, steel	"		
Woven wire chain link fabric, steel (including tonnage for industrial fences)	"		
Steel fence posts	"		
Gates	No.		
Snow fence	-		
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing	ton		
Wire cloth:			
Fourdrinier wire cloth	sq. ft.		
Other wire cloth, including insect wire screening-steel, including stainless steel	-		
Non-ferrous metal	-		
Miscellaneous fencing and netting	-		

See footnotes at end of table.

TABLE 4. Products of the Wire and Wire Goods Industry, 1957 - Concluded

Product	Quantity made	Quantity shipped	Value of factory shipments
			\$
Section "D" — Wire Goods			
Steel wire rope or cable ton	1	27, 172	18, 439, 274
Twisted strand wire (including galvanized guy wire, wire clothes-lines, twisted bed strand)..... "	1	7, 060	2, 506, 728
Steel hoops, wire and other, for casks, barrels or kegs —	—	—	98, 083
Steel wire upholstering springs and constructions —	—	—	11, 449, 814
Other steel wire springs (except bed springs)..... —	—	—	4, 186, 880
Miscellaneous wire goods (including wire lacing, hairpins, tire braids, wire paper clips, wire guards, welding rods, etc.)..... —	—	—	16, 556, 952
Section "E" — Fasteners and Miscellaneous			
Bolts and nuts, horseshoe calks, screws, perforated metals, etc. —	—	—	21, 802, 947
Amount received for repair and custom work —	—	—	519, 256
Total —	—	—	151, 238, 354

¹ Not collected under this heading after 1951.

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. Materials¹ Used in the Wire and Wire Goods Industry, 1957

Material	Companies' own-make materials transferred from other departments or plants		Purchased materials and supplies	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Iron and steel:				
Bars.....ton	18,501	2,156,293	3,256	502,436
Wire rods....."	201,808	26,139,751	105,622	10,844,793
Wire:				
Plain....."	—	—	68,246	15,040,913
Galvanized....."	—	—	21,582	5,108,609
Sheets....."	598	92,273	3,495	634,750
Strips....."	624	110,459	3,979	692,454
Pipe and tubing.....—	—	989,326	—	289,868
Nail and tack plate.....lb.	2,208,850	160,214	1,659,388	140,757
Other iron and steel.....—	—	3,577	—	841,151
Stainless steel:				
Wire.....lb.	—	—	376,020	524,278
Other forms....."	—	—	3,835	3,786
Non-ferrous metals:				
Aluminum:				
Castings....."	—	—	121,779	83,545
Sheet....."	—	—	39,565	19,442
Other forms....."	—	—	1,015,136	525,248
Brass and bronze....."	—	—	5,123,449	3,197,008
Copper:				
Sheet....."	—	—	57,120	32,181
Wire....."	—	—	157,846	59,926
Other forms....."	—	—	148,130	59,874
Lead....."	—	—	741,083	106,738
Tin....."	—	—	23,072	23,274
Zinc....."	—	—	7,822,615	1,041,847
All other non-ferrous metals.....—	—	—	—	283,756
Acid, muriatic.....lb.	—	—	2,136,040	60,718
Acid, sulphuric, 100%....."	1,329,278	25,463	16,589,673	241,230
Shipping containers and packing materials.....—	—	—	—	1,959,570
All other materials.....—	—	—	—	9,657,287
Total own-make materials.....—	—	29,677,356	—	—
Total purchased materials.....—	—	—	—	51,975,439
Total all materials.....—	—	—	—	81,652,795

¹ See footnotes to text.

TABLE 6. Total Production and Factory Sales of Steel Wire, 1953-1957

Year	Plain wire	Galvanized wire	Barbed wire	Wire other coated
1953				
Quantity made ton	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 ton	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
1955				
Quantity made ton	316,593	70,769	9,531	1,930
Quantity sold "	114,718	34,568	9,101	1,936
Income from sales \$	18,574,703	7,422,495	1,385,553	576,899
1956				
Quantity made ton	366,486	73,154	6,671	2,121
Quantity sold "	144,804	38,929	6,849	2,154
Income from sales \$	25,302,207	8,717,868	1,168,052	673,724
1957				
Quantity made ton	290,881	53,986	4,211	1,730
Quantity sold "	127,029	28,935	4,443	1,958
Income from sales \$	23,541,071	7,381,381	806,212	614,170

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, 1953-1957

Year	Quantity sold	Income from sales
	net ton	\$
1953		
Farm fence	12,363	2,457,290
Lawn fence	1,569	458,949
Chain link fabric	4,437	1,294,811
Total	18,369	4,211,050
1954		
Farm fence	12,431	2,548,615
Lawn fence	1,313	353,653
Chain link fabric	4,147	1,181,418
Total	17,891	4,083,686
1955		
Farm fence	13,841	2,826,284
Lawn fence	1,292	353,216
Chain link fabric	5,311	1,632,303
Total	20,444	4,811,803
1956		
Farm fence	12,968	2,631,760
Lawn fence	1,457	400,447
Chain link fabric	5,877	1,621,596
Total	20,302	4,653,803
1957		
Farm fence	11,477	2,439,553
Lawn fence	1,384	381,089
Chain link fabric	6,084	1,704,089
Total	18,945	4,524,731

TABLE 8. Total Production and Factory Sales of Nails, Tacks and Staples, 1953-1957

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	lbs.	kegs
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
1955				
Quantity made	31,213	1,788,919	1,962,196	17,649
Quantity sold	33,101	1,862,558	2,034,687	17,647
Value of sales	\$ 326,681	15,448,759	570,626	248,078
1956				
Quantity made	27,929	1,851,607	2,827,621 ¹	13,394
Quantity sold	27,315	1,723,217	2,701,429 ¹	13,808 ¹
Value of sales	\$ 283,315	16,547,899	896,568 ¹	157,602 ¹
1957				
Quantity made	18,988	1,382,635	2,475,193	12,660
Quantity sold	21,719	1,397,001	2,431,531	12,032
Value of sales	\$ 251,554	13,941,686	883,912	141,480

¹ Revised.

Note: 1 keg=100 pounds.

TABLE 9. Total Production and Factory Sales of Steel Wire Rope and Cable, 1948-1957
(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	\$	\$
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
1955	¹	22,629	14,193,471	¹	8,018	2,684,300	16,877,771
1956	¹	28,356	17,854,473	¹	10,582	3,952,831	21,807,304
1957	¹	27,172	18,439,274	¹	7,745	2,758,725	21,197,999

¹ Not collected under this heading after 1951.

TABLE 10. Production and Factory Shipments of Steel Bale Ties and Shipments of Welded Wire Mesh, 1954-1957

Year	Steel wire bale ties			Welded wire mesh	
	Quantity made	Quantity shipped	Value of shipments	Quantity shipped	Value of shipments
	tons	tons	\$	tons	\$
1954	4,970	4,992	1,177,885	10,216	2,112,643
1955	4,725	4,732	1,096,849	15,755	3,260,361
1956	4,485	4,435	1,047,953	27,386	5,409,661
1957	3,468	3,466	920,476	24,060	4,880,149

TABLE 11. Total Production¹ of Welding Rods,² 1953 - 1957 (From all industries)

Year	Quantity	Value of sales
	tons	\$
1953	12,919	3,728,495
1954	11,926	3,634,811
1955	13,126	4,329,488
1956	20,230	6,823,000
1957	20,199	7,675,000

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 Value of Factory Shipments, 1956 and 1957

Establishments reporting factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used ¹	Selling value of factory shipments
	number			dollars	
1956					
Under \$10,000	6	8	10,510	4,910	21,153
\$10,000 to \$24,999	20	61	108,332	107,068	314,765
\$25,000 to \$49,999	17	108	219,513	183,923	576,014
\$50,000 to \$99,999	15	149	326,538	462,476	1,011,125
\$100,000 to \$199,999	12	217	629,469	675,285	1,717,484
\$200,000 to \$499,999	19	554	1,747,981	3,368,907	6,311,645
\$500,000 to \$999,999	12	672	2,019,164	4,199,394	8,031,665
\$1,000,000 to \$4,999,999	25	4,491	17,682,247	38,431,975	71,013,018
\$5,000,000 and over	7	3,935	17,057,463	42,472,503	71,461,469
Total	133	10,195	39,801,217	89,906,441	160,458,338
1957					
Under \$10,000	7	11	17,125	8,050	31,630
\$10,000 to \$24,999	20	64	117,130	102,244	332,274
\$25,000 to \$49,999	16	99	204,380	158,964	528,905
\$50,000 to \$99,999	20	189	521,547	670,854	1,480,967
\$100,000 to \$199,999	12	197	657,504	761,811	1,705,485
\$200,000 to \$499,999	23	613	2,034,893	3,687,079	7,421,244
\$500,000 to \$999,999	14	941	2,814,662	5,052,221	10,266,605
\$1,000,000 to \$4,999,999	21	3,997	15,966,307	29,168,693	61,729,946
\$5,000,000 and over	8	3,721	17,025,961	42,042,879	67,741,298
Total	141	9,832	39,359,509	81,652,795	151,238,354

¹ See footnotes to text.

TABLE 13. Principal Statistics Classified According to Type of Ownership - 1956 and 1957

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used ¹	Selling value of factory shipments
	number			dollars	
1956					
Individual ownership	34	167	352,111	378,050	973,713
Partnerships	16	239	625,352	2,610,842	3,745,895
Incorporated companies	83	9,789	38,823,754	86,917,549	155,738,730
Total	133	10,195	39,801,217	89,906,441	160,458,338
1957					
Individual ownership	34	152	359,124	349,601	1,008,570
Partnerships	17	227	666,775	2,658,949	3,854,154
Incorporated companies	90	9,453	38,333,610	78,644,245	146,375,630
Total	141	9,832	39,359,509	81,652,795	151,238,354

¹ See footnotes to text.

TABLE 14. Employees and their Earnings in the Wire and Wire Goods Industry, 1956 and 1957

Province	Number of employees					Earnings			
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female					
dollars									
1956									
Newfoundland	}	27	3	317	—	347	131,436	1,079,096	1,210,532
Nova Scotia		18	3	86	—	107	69,828	257,504	327,332
New Brunswick		463	197	2,307	183	3,150	2,973,150	9,343,017	12,316,167
Quebec		892	409	4,299	553	6,153	5,829,190	18,525,194	24,354,384
Ontario	}	8	—	20	2	30	35,300	52,015	87,315
Manitoba		80	32	240	56	408	527,574	977,913	1,505,487
Alberta									
British Columbia									
Canada		1,488	644	7,269	794	10,195	9,566,478	30,234,739	39,801,217
1957									
Newfoundland	}	26	3	252	—	281	138,889	740,483	879,372
Nova Scotia		14	2	82	—	98	72,211	238,704	310,915
New Brunswick		456	196	2,220	165	3,037	3,155,512	8,874,783	12,030,295
Quebec		946	390	4,105	526	5,967	6,717,491	17,713,745	24,431,236
Ontario	}	7	—	15	2	24	20,900	35,407	56,307
Manitoba		6	1	15	—	22	44,117	53,081	97,198
Alberta		91	33	231	48	403	636,452	917,734	1,554,186
British Columbia									
Canada		1,546	625	6,920	741	9,832	10,785,572	28,573,937	39,359,509

TABLE 15. Production Workers, by Months, 1956 and 1957

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
number						
January	6,962	760	7,722	7,047	779	7,826
February	7,049	733	7,782	7,034	785	7,819
March	7,243	823	8,066	7,035	761	7,796
April	7,329	842	8,171	7,058	767	7,825
May	7,377	859	8,236	7,073	751	7,824
June	7,357	858	8,215	6,996	756	7,752
July	7,137	765	7,902	6,731	703	7,434
August	7,101	726	7,827	6,652	667	7,319
September	7,341	755	8,096	6,736	701	7,437
October	7,508	792	8,300	6,679	692	7,371
November	7,489	822	8,311	6,550	718	7,268
December	7,361	804	8,165	6,436	633	7,069
Average	7,269	794	8,063	6,920	741	7,661

TABLE 16. Capital and Repair Expenditures in the Wire and Wire Goods Industry, 1953-1957

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1953	1,243	3,067	4,310	572	3,182	3,754	8,064
1954	826	2,443	3,269	708	3,570	4,278	7,547
1955	3,169	4,241	7,410	725	3,377	4,102	11,512
1956	2,354	6,176	8,530	972	4,889	5,861	14,391
1957	2,050	5,180	7,230	1,141	5,395	6,536	13,766

Note: Figures for the current year are preliminary.

TABLE 17. Imports of Steel Wire and Specified Wire Products, 1956 and 1957

Item	1956		1957		
	Quantity	Value	Quantity	Value	
		\$		\$	
Wire					
Wire of iron or steel; barbed fencing, coated or not	cwt.	105,651	605,326	87,892	671,083
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	"	8,089	144,029	6,202	100,920
Wire of iron or steel, coated with zinc or spelter, n.o.p.	"	50,903	632,599	72,374	827,512
Wire of iron or steel, single or several, coated, n.o.p., covered with any material, including cable so covered	"	11,496	381,349	11,353	399,901
Wire rope for rigging of ships and vessels	"	240	4,455	126	2,839
Wire rope for well drilling	—	—	237,812	—	127,665
Wire of iron or steel, twisted, braided or stranded, including wire rope or cable, coated or not, n.o.p.	cwt.	86,479	1,917,989	90,080	1,963,159
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	"	56,258	528,163	6,005	60,905
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	"	3,211	143,087	1,984	95,787
Wire of steel, valued at not less than 2½ cents per pound, for the manufacture of wire rope	"	485,837	5,875,430	357,572	4,150,459
Wire of steel, single, not covered, in coils, for trolling in bona fide deep sea or inland commercial fishing operations, n.o.p. ..	—	—	222,199	—	246,594
Wire, of rust or acid resisting steel, twisted or stranded, for commercial fishing operations	—	—	17,656	—	16,527
Wire, steel, for the manufacture of machine card clothing	cwt.	198	11,407	79	2,962
Wire of steel, n.o.p.	"	271,259	3,336,531	163,045	2,315,936
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.	—	—	234,189	—	210,732
Wire cloth of iron or steel	—	—	626,667	—	571,425
Wire netting of iron or steel	—	—	256,834	—	242,813
Woven or welded wire fencing of iron or steel, coated or not, n.o.p.	—	—	101,263	—	79,370
Woven netting of iron or steel, coated, for use on fur farms	—	—	126,446	—	47,050
Wire screens, doors and windows	—	—	213,509	—	209,400
Cellulose acetate film reinforced with wire mesh	—	—	45,279	—	43,912
Welding rods or welding wires of all kinds	cwt.	174,403	4,353,636	145,709	4,055,207
Welded wire fabric, for concrete or other reinforcing	"	178,464	1,424,192	26,357	293,508
Nails, spikes and tacks					
Cut nails, of iron or steel, coated or not	cwt.	6,450	125,433	4,119	104,755
Railway spikes and other spikes, of iron or steel, coated or not, n.o.p.	"	1,955	18,107	998	11,102
Tacks of all kinds, n.o.p.	lb.	57,358	19,018	50,791	20,487
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron or steel, coated or not	cwt.	246,312	1,860,181	268,253	2,091,879
Wire nails less than one inch in length, and nails and brads, n.o.p., of iron or steel, coated or not	lb.	397,028	119,171	370,234	116,029

TABLE 18. Exports of Steel Wire and Specified Wire Products, 1956 and 1957

Item	1956		1957	
	Quantity	Value	Quantity	Value
		\$		\$
Wire, barbed of iron or steel cwt.	6	71	—	—
Wire cable and wire rope of iron and steel —	—	407,947	—	230,065
Wire screen of iron —	—	149,633	—	203,327
Woven wire fencing of iron and steel —	—	3,672	—	4,567
Wire of iron and steel, n.o.p. —	—	87,647	—	87,633
Nails, wire cwt.	8,214	99,637	6,477	78,333
Tacks of all kinds, of iron and steel "	3,795	78,593	3,400	73,934
Nails and brads of iron and steel, n.o.p. "	2,780	41,214	1,659	22,275

TABLE 19. Fuel and Electricity Used in the Wire and Wire Goods Industry, 1956 and 1957

Kind	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Bituminous coal (a) From Canadian mines ton	9,495 ¹	111,371	8,259	101,780
(b) Imported "	12,580 ¹	147,584	10,288	135,447
Anthracite coal "	55 ¹	1,119	28	446
Coke "	41	756	9	217
Gasoline (including gasoline used in cars and trucks).... Imp. gal.	173,629	62,820	255,339	100,215
Kerosene "	6,553	1,678	12,993	2,690
Fuel oil "	3,580,647	449,808	3,172,792	423,270
Wood cord	438	4,319	481	5,440
Gas (a) Liquefied petroleum gases Imp. gal.	39,408	10,531	56,197	17,060
(b) Other manufactured gas M cu. ft.	680,926 ¹	379,291	1,072,848	426,052
(c) Natural gas "	85,377	75,517	72,410	62,104
Other fuel —	—	10,953	—	8,860
Electricity purchased kwh.	103,894,684 ¹	880,724	103,663,757	877,404
Total —	—	2,136,471	—	2,160,985

¹ Revised.

Directory of Firms in the Wire and Wire Goods Industry, 1957

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
Newfoundland:	
Daw's Nail and Hardware Ltd.	Bay Roberts
United Nail & Foundry Co. Ltd. ¹	Hamilton Ave., St. John's
Nova Scotia:	
Dominion Steel & Coal Corp. Ltd., Dominion Iron and Steel Division ¹	Sydney
New Brunswick:	
New Brunswick Wire Fence Co. Ltd.	402 Main St., Moncton
Dominion Steel and Coal Corp. Ltd. James Pender Division ¹	320 Charlotte St., Saint John
Grand Falls Industries Ltd.	Grand Falls
Quebec:	
Aluminum Industries Ltd.	1150 Marie Victorin Blvd., Ville Jacques Cartier
Anglo-Canadian Wire Rope Co. Ltd.	125 Rockfield Ave., Lachine
Artistic Wire Works Limited	8152 Drolet St., Montreal
Beaver Wire Mfg. Co.	8058 St. Hubert, Montreal
Belanger, J.A.	Rivière Bleue
Canadian Blank Book Company	8530 Esplanade, Montreal 14
Canadian Staples Limited	6705 Upper Lachine Rd., Montreal 28
Canadian Tube & Steel Products Limited ¹	5900 St. Patrick St., Montreal
Canadian Weldrods Mfg. Co. Ltd.	Ville St. Michel
Champion Tire Chain Co. Ltd.	2457 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	2245 de la Salle Ave., Montreal 4
Croname (Canada) Ltd.	50 Taylor St. E., Waterloo
Dominion Wire Rope and Cable Co. Limited	175 St. Joseph St., Lachine
Eddy Metal Products	2331 Provencal, Montreal 24
Foster Spring Limited	200 St. Antoine St. N., Granby
Hops-Koch	5835 Sherbrooke W., Montreal
Johnson Wire Works Ltd., The	530 de Courcelles St., Montreal 30
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
Maxwell Wire Products Ltd.	5000 Brock St., Montreal
Modern Wire Works Reg'd	3600 Ruskin, Ville St. Michel
New York Wire Works Ltd.	5555 Notre Dame St. E., Montreal
No Sag Spring Co. Ltd.	297 Taschereau Blvd., Montreal
Ontario Wire Works Mfg.	4166 Parthenais St., Montreal 24
Pennsylvania Wire Products	1361 Notre Dame St. E., Montreal 24
Ren Marc Industries Reg'd	1185 Montcalm St., Montreal
Sivaco Wire and 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 14
United Shoe Machinery Co. of Canada, Ltd.	2610 Bennett Ave., Montreal 4
Webster & Horsfall (Canada) Ltd. ¹	3350 Bellefeuille St., Three Rivers
Ontario:	
Andrews Wire Works of Canada Ltd.	Watford
Armour Art Craft	298A King St. E., Toronto 2
Artcraft Shoppe	155 George St., Toronto 2
Argos Mfg. Co.	Stoney Creek
Atlas Spring Products Limited	6 Lisgar St., Toronto 3
Beaverton Specialties Limited	Beaverton
Bennett Wire Products Co.	349 Huron St., Toronto 5

¹ Wire-drawing plants.

Directory of Firms in the Wire and Wire Goods Industry, 1957 - Continued

Name	Address
Ontario - Concluded:	
Bohne Industries Ltd.	1149-53 Queen St. W., Toronto 3
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
Canada Wire & Cable Co. Ltd.	37 Union St., Smiths Falls
Canadian Rockweld Co.	46 North Line Rd., Toronto 16
Canadian Spring Co.	2784 Dundas St. W., Toronto 9
Canadian Steel Corporation Ltd. ¹	Ojibway
Canadian Wire Specialties Co.	3370 Dufferin St., Toronto 19
Capital Wire and Cloth Mfg. Co. Ltd.	Hinton Ave., Ottawa 3
City Wire Works Co.	1082 Queen St. W., Toronto 3
Diamond Hard Company	99A Coleman Ave., 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
Ferrier Wire Goods Company	22 Mulock Ave., Toronto 9
Fitzgerald-McAvoy Wire Goods	21 Haas Rd., Rexdale
Florists' Wire Works	364 Broadview Ave., Toronto 8
Frost Steel & Wire Company Limited ¹	250 Lottridge St. N., Hamilton
G. W. Wire Specialties	48 Cannon St. East, Hamilton
Garden City Wire Works Co.	66 Pelham Rd., St. Catharines
General Spring Products Ltd.	60 Ottawa St. S., Kitchener
Gerrard Company Ltd.	Hunter & Walnut Sts., Hamilton
Gibb Manufacturing Co. Ltd.	1 Seneca Ave., Port Credit
Globe Spring and Cushion Co.	47 Davies Ave., Toronto
Graham Nail & Wire Products, Limited ¹	1020 Martin Grove Rd., Etobicoke
Grassel, John, Steel Products-Welding Service	338 College St., Toronto 20
Greening, B., Wire Co. Ltd. ¹	55 Queen St., Hamilton
Griplock of Canada, Limited	151 Birge St., Hamilton
Hamilton Wire Design	R.R. 3, Geulph
Hamilton Wire Products Limited	304 Gage Ave. N., Hamilton
Hi-Beck Precision Spring Co.	741 Woodward Ave., Hamilton
Hollup Corporation Limited	719 King St. W., Toronto 2B
Hyde Spring & Wire (Canada) Ltd.	366 Grand River Ave., Brantford
Imperial Wire Specialty	217 Lambton Ave., Toronto
Isard-Lefevre Mfg. Co. Ltd.	45 Dickens St., Toronto 8
Kelson Spring Products	133 Tecumseh St., Toronto
Kitchener Spring Co. Limited	34 Bridgeport Rd., Waterloo
Largo Manufacturing Co.	152A King St. E., Toronto 2.
Lundy Steel Products, Limited	Dunnville
McKinnon Columbus Chain Limited	Ontario St., St. Catharines
Marcus Spring-Company Ltd.	71 Ossington Ave., Toronto 3
Marshall Specialty Co. Ltd.	874 Weston Rd., Toronto 9
May, Bruce	330 Coleman St., Belleville
Mills Steel Products Ltd.	663 Woodward Ave., Hamilton
National Standard Company Canada Ltd.	133 Woolwich St., Guelph
Neat Clip Manufacturers	416 Richmond Rd., Ottawa 3
Niagara Wire Weaving Co. Ltd.	Robinson St., Niagara Falls
No-Sag Spring Company Limited	Industrial Rd., London
Otamarc Manufactures Ltd.	71 Ossington Ave., Toronto 3
Perrin Industries Limited	468 Wellington St. West, Toronto
Pritchard, E.W., and Sons	99 Torrens Ave., Toronto 6
Rice Wire Products	Rear 834 Yonge St., Toronto 2
Servos & Bateman	46 Kelly St., Hamilton
Steel Company of Canada Limited ¹	834 Wellington St. N., Hamilton
Steel Company of Canada Limited ¹	Strathearne Ave., Hamilton
Steele Brothers	47 Johnston St., Guelph
Steele's Wire Springs Limited	33 Baker St., Guelph
Stockton Wire Products Ltd.	Newport, Brantford
Superior Wire Works	128 Vine St., Toronto
Swan Piper Co. Ltd.	426 Cannon St. E., Hamilton
Toronto Wire Works Co.	2108 Dundas St. W., Toronto 3
Tyler, W.S., Co. of Canada, Ltd.	Kensington Ave., St. Catharines
Universal Wire & Iron Works	2991 Bathurst St., Toronto 12
Wallace Barnes Company Limited	274 Sherman Ave. N., Hamilton
Wallbank, P.J. Mfg. Co.	Plattsville
Waterloo Spring Co. Ltd.	102 Breithaupt St., Kitchener
Wiresmith Manufacturing Co.	434 Dundas St. E., Toronto 2
Young Spring & Wire Corp. of Canada, Ltd.	1441 McDougall Ave., Windsor

¹ Wire-drawing plants.

Directory of Firms in the Wire and Wire Goods Industry, 1957 - Concluded

Name	Address
Manitoba:	
Nolin-Hunter Mfg. Co.	376 Bertrand St., St. Boniface
Pheonix Mfg. Co. Ltd.	455 Provencher Ave., St. Boniface
Wire & Metal Specialists Co.,	70 Marion St., Norwood
Alberta:	
Alberta Wire Works	9116-71 Ave., Edmonton
Irving Wire Products Ltd.	66th Ave. & 1st S.W., Calgary
Soldan Fence Products	9935-75th Avenue, Edmonton
Soroy Upholstery Springs	10344-97th St., Edmonton
British Columbia:	
Advance Wire Products	1668 West 2nd Ave., Vancouver 19
B.C. Anchor Fence Co. Ltd.	1031 Pender St. W., Vancouver 1
B.C. Wire & Steel Works Ltd.	1328-73rd Avenue W., Vancouver
B.R.C. Weldmesh Limited	3157 Grandview Highway, Vancouver 12
British Ropes Canadian Factory Limited	3185 Grandview Highway, Vancouver 12
Chamberlain Spring Co. Ltd.	1214 Seymour St., Vancouver 2
Henry, O.J., Co.	654 W. 7th Ave., Vancouver
Industrial Wire & Iron Works	138 E. Fourth Ave., Vancouver
Morrison Steel & Wire Co. Ltd. ¹	Granville Island, Vancouver 9
No-Sag Spring Co. Ltd.	Richmond
Simplex Wire & Machine Works	842 Powell St., Vancouver 4
West Coast Wire Works Limited	8183 Manitoba St., Vancouver 15
Western Wire Products Ltd.	1018 Burnaby St., Vancouver 5
Western Wirecraft Co.	1903 W. 1st Ave., Vancouver
Wright's Canadian Ropes Limited	350 S. E., Marine Drive, Vancouver

¹ Wire-drawing plants.

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