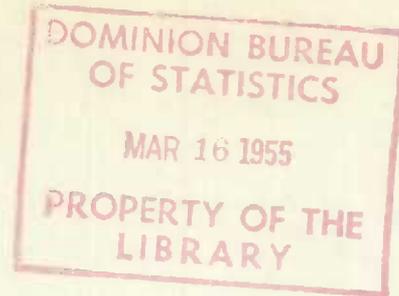


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CANADA



THE WIRE AND WIRE GOODS INDUSTRY

1953

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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¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, 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

1953

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 1953, the 122 factories in this industry were distributed, by provinces, as follows: Ontario, 69; Quebec, 33; British Columbia, 12; 2 each in Newfoundland, New Brunswick and Manitoba, and 1 each in Nova Scotia and Alberta.

Factory shipments in 1953 were valued at \$104,858,014, 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 1952 factory shipments were reported at \$105,659,511 and in 1951 at \$106,511,920.

The 16 wire-drawing plants which operated in 1953 employed 4,032 workers, and the 106 establishments engaged only in the fabricating of wire goods had 4,602 workers. Shipments from the wire-drawing plants were valued at \$55,500,514 and from the fabricating plants at \$49,357,500.

The total number of employees in all plants in 1953 was 8,634, of whom 5,438 were in Ontario and 2,381 in Quebec. Payments to the 1,757 salaried workers totalled \$7,214,204 and the 6,877 wage-earners were paid \$21,441,894, a total for salaries and wages of \$28,656,098. The 1952 payments amounted to \$27,795,355 and were made to 8,662 employees.

TABLE 1. Principal Statistics of the Wire and Wire Goods Industry, 1949-1953

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
			\$	\$	\$	\$
1949	102	7,206	18,454,608	1,159,690	23,729,156	71,434,083
1950	115	8,259	22,051,692	1,389,733	29,349,168	86,606,837
1951	117	8,859	26,829,253	1,449,244	37,773,731	106,511,920
1952	116	8,662	27,795,355	1,440,055	38,024,516	105,659,511
1953	122	8,634	28,656,098	1,512,086	37,046,455	104,858,014
Per cent change, 1953 from 1952...	-	- 0.3	+ 3.1	+ 5.0	- 2.6	- 0.8

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.

IRON AND STEEL PRODUCTS

TABLE 2. Principal Statistics, by Sub-Groups, 1952 and 1953

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
			\$	\$	\$	\$
1952						
Wire-drawing plants	16	4,139	13,769,275	989,449	17,439,026	57,186,237
Fabricating plants only	100	4,523	14,026,080	450,606	20,585,490	48,473,274
Total	116	8,662	27,795,355	1,440,055	38,024,516	105,659,511
1953						
Wire-drawing plants	16	4,032	13,784,383	1,045,651	16,624,446	55,500,514
Fabricating plants only	106	4,602	14,871,715	466,435	20,422,009	49,357,500
Total	122	8,634	28,656,098	1,512,086	37,046,455	104,858,014

TABLE 3. Principal Statistics, by Provinces, 1952 and 1953

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
			\$	\$	\$	\$
1952						
Newfoundland	2	567	1,613,633	103,136	1,692,788	7,271,350
Nova Scotia	1					
New Brunswick	2					
Quebec	33	2,289	6,928,416	421,661	7,668,267	26,563,484
Ontario	64	5,453	18,181,813	873,022	25,062,632	66,052,038
Manitoba	2	18	40,350	1,690	18,740	83,774
Alberta	1					
British Columbia	11	335	1,031,143	40,546	3,582,089	5,688,865
Canada	116	8,662	27,795,355	1,440,055	38,024,516	105,659,511
1953						
Newfoundland	2	494	1,280,554	85,778	1,269,970	5,360,562
Nova Scotia	1					
New Brunswick	2					
Quebec	33	2,381	7,624,276	457,038	8,809,473	27,661,281
Ontario	69	5,438	18,659,416	925,266	24,279,709	66,706,777
Manitoba	2	21	46,330	1,810	21,630	96,209
Alberta	1					
British Columbia	12	300	1,045,522	42,194	2,665,673	5,033,185
Canada	122	8,634	28,656,098	1,512,086	37,046,455	104,858,014

TABLE 4. Products of the Wire and Wire Goods Industry, 1953

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	252,026	91,457	14,630,209	
Galvanized wire	55,518	24,713	5,190,698	
Other coated wire	2,101	1,637	424,027	
Barbed wire	7,410	7,278	1,209,228	
Cold-rolled flat wire of all sizes, qualities and finishes, including nut steel	2,697	1,541	462,592	
Wire bale ties	2,741	2,791	516,781	
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	1,437,831	1,421,540	12,112,524
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)	"	12,781	13,776	168,512
Wire staples, iron and steel, of all kinds	"	30,943	29,095	292,028
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.	2,307,388	2,506,781	851,609
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails, aluminum nails and staples for paper stitching	-	-	-	744,160
SECTION "C" - WIRE FENCING AND WIRE NETTING				
Woven wire farm fence, steel	tons	1	12,363	2,457,290
Woven wire lawn fence, steel	"	1	1,569	458,949
Woven wire chain link fabric, steel (including tonnage for industrial fences)	"	1	4,437	1,294,811
Steel fence posts and railing	"	1	2,571	352,032
Gates	No.	1	33,562	647,912
Snow fence	-	-	-	142,606
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing	tons	1	6,516	1,398,972
Wire cloth:				
Fourdrinier wire cloth	sq. ft.	-	5,621,484	5,829,125
Other wire cloth, including insect wire screening-steel, including stainless steel	-	-	-	2,772,017
Non-ferrous metal	-	-	-	795,630
Miscellaneous fencing and netting	-	-	-	340,822
SECTION "D" - WIRE GOODS				
Steel wire rope or cable	tons	1	16,703	10,902,936
Twisted strand wire (including galvanized guy wire, wire clothes lines, twisted bed strand)	"	1	7,282	2,473,218
Steel hoops, wire and other, for casks, barrels or kegs	-	-	-	109,962
Steel wire upholstery springs and constructions	-	-	-	11,865,077
Other steel wire springs (except bed springs)	-	-	-	2,080,888
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire paper clips, wire guards, etc.)	-	-	-	10,597,654
SECTION "F" - PRODUCTS OTHER THAN WIRE AND WIRE GOODS				
Bolts and nuts, horseshoe calks, screws, perforated metals, etc.	-	-	-	13,825,745
Amount received for repair work	-	-	-	-
Total	-	-	-	104,858,014

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 Used in the Wire and Wire Goods Industry, 1953

Material	Materials made in producers' own works	Purchased materials	
		Quantity	Cost at works \$
Iron and steel (except stainless):			
Bars..... Net tons	1,593	2,221	253,054
Wire rods" "	166,590	104,075	9,928,508
Wire:			
Plain..... Net tons	19,965	50,770	10,790,523
Galvanized" "	2,543	14,934	2,939,643
Sheets" "	955	1,200	183,603
Strips....." "	86	5,485	942,614
Pipe and tubing" "	1,001	—	357,213
Nail plate" lb.	1,036,421	—	—
Tack plate" "	1,142,925	1,177,878	102,369
Other iron and steel" —	—	—	381,920
Stainless steel:			
Wire..... lb.	—	444,909	293,599
Other forms..... lb.	—	1,759	1,501
Non-ferrous metals:			
Aluminum:			
Castings..... lb.	—	29,124	22,405
Sheet....." "	—	130,912	57,446
Other forms....." "	—	535,849	226,892
Copper:			
Sheet..... lb.	—	44,996	24,026
Wire....." "	—	237,989	82,267
Other forms....." "	—	134,595	60,675
Brass and bronze rods, sheets, etc....." "	—	4,275,731	2,222,706
Lead....." "	—	782,690	104,112
Tin....." "	—	21,182	22,649
Zinc (spelter)....." "	—	7,274,708	885,153
All other non-ferrous metals" —	—	—	422,998
Other materials:			
Acid, muriatic, 20° Bé..... lb.	—	1,811,674	45,066
Acid, sulphuric, 100%....." "	—	16,903,273	257,634
Shipping containers....." "	—	—	1,307,867
All other materials" —	—	—	5,130,012
Total	—	—	37,046,455

TABLE 6. Total Production and Factory Sales of Steel Wire, 1949-1953

Year	Plain wire	Galvanized wire	Barbed wire	Wire, other coated
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
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

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, 1949-1953

Year	Quantity made	Quantity sold	Income from sales
	Net tons		\$
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	3,548,275
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
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
Total	1	21,232	4,597,153
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
Total	1	18,369	4,211,050

1. Not collected under this heading after 1951.

TABLE 8. Total Production and Factory Sales of Nails, Tacks and Staples, 1949-1953

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
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	707,167	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

Note. 1 keg = 100 pounds.

IRON AND STEEL PRODUCTS

**TABLE 9. Total Production and Factory Sales of Steel Wire Rope and Cable, 1944-1953
(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	\$	
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
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

1. Not collected under this heading after 1951.

TABLE 10. Total Production and Factory Sales of Steel Bale Ties, 1944-1953

Year	Quantity made	Quantity sold	Income from sales	Year	Quantity made	Quantity sold	Income from sales
	tons	tons	\$		tons	tons	\$
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
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

TABLE 11. Total Production¹ of Welding Rod², 1949-1953 (From all industries)

Year	Quantity	Value of sales
	tons	\$
1949	9,277	2,399,825
1950	10,436	2,708,819
1951	11,183	3,344,755
1952	16,597	5,459,228
1953	12,919	3,728,495

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, 1952 and 1953

Item	1952		1953		
	Quantity	Value	Quantity	Value	
		\$		\$	
Wire					
Wire of iron or steel, barbed fencing, coated or not	cwt.	2,034	14,357	35,554	249,676
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	"	2,943	67,839	7,106	136,099
Wire of iron or steel, coated with zinc or spelter, n.o.p.	"	30,883	356,588	15,238	246,157
Wire of iron or steel, single or several, coated, n.o.p., covered with any material, including cable so covered	"	11,590	315,039	11,914	310,112
Wire rope for rigging of ships and vessels	"	100	5,851	2,671	50,604
Wire rope for well drilling	-	-	223,702	-	128,196
Wire of iron or steel, twisted, braided or stranded, including wire rope or cable, coated or not, n.o.p.	cwt.	85,273	1,535,507	84,722	1,343,411
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	"	64,198	458,857	95,828	698,664
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	"	1,160	39,798	2,798	109,559
Wire of steel, valued at not less than 2½ cents per pound, for the manufacture of wire rope	"	555,270	6,331,301	287,393	3,309,569
Wire of steel, single, not covered, in coils, for trolling in bona fide deep sea or inland commercial fishing operations, n.o.p.	-	-	5,260	-	82,898
Wire, of rust or acid resisting steel, twisted or stranded, for commercial operations	-	-	9,186	-	11,488
Wire, steel, for the manufacture of machine card clothing	cwt.	207	6,768	461	16,653
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	"	7,665	60,708	18,128	142,179
Wire of steel, n.o.p.	"	223,171	2,048,194	137,135	1,524,849
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.	-	-	18,828	-	39,017
Wire cloth of iron or steel	-	-	233,087	-	356,053
Wire netting of iron or steel	-	-	264,784	-	406,365
Woven or welded wire fencing of iron or steel, coated or not, n.o.p.	-	-	128,120	-	183,801
Woven netting of iron or steel, coated, for use on fur farms	-	-	1,479	-	4,717
Wire screens, doors and windows	-	-	33,348	-	51,752
Cellulose acetate film reinforced with wire mesh	-	-	59,195	-	55,826
Welding rods or welding wires of all kinds	cwt.	147,386	2,364,323	93,200	2,008,405
Nails, Spikes and Tacks					
Cut nails, of iron or steel, coated or not	cwt.	1,370	26,865	5,160	66,869
Railway spikes and other spikes, of iron or steel, coated or not, n.o.p.	cwt.	7,392	60,691	4,572	34,726
Tacks of all kinds, n.o.p.	lb.	32,617	11,316	59,365	19,510
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron or steel, coated or not	cwt.	80,812	632,852	92,142	700,180
Wire nails less than one inch in length, and nails and brads, n.o.p., of iron or steel, coated or not	lb.	298,373	88,616	336,299	87,663

TABLE 13. Exports of Steel Wire and Specified Wire Products, 1952 and 1953

Item	1952		1953	
	Quantity	Value	Quantity	Value
		\$		\$
Wire, barbed, of iron or steel..... cwt.	18	187	9	44
Wire cable and wire rope of iron and steel.....	—	196,591	—	92,972
Wire screen of iron.....	—	216,395	—	162,668
Woven wire fencing of iron and steel.....	—	5,040	—	10,659
Wire of iron and steel, n.o.p.....	—	334,723	—	496,115
Nails, wire..... cwt.	2,285	18,431	125	1,509
Tacks of all kinds, of iron and steel..... "	9,944	233,077	8,127	156,369
Nails and brads, of iron and steel, n.o.p..... "	847	12,865	441	6,945

TABLE 14. Employees and Their Earnings in the Wire and Wire Goods Industry, 1952 and 1953

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
1952								
Newfoundland.....	} 58	10	494	5	567	212,467	1,401,166	1,613,633
Nova Scotia.....								
New Brunswick.....								
Quebec.....	332	123	1,639	195	2,289	1,688,700	5,239,716	6,928,416
Ontario.....	745	341	3,925	442	5,453	4,378,544	13,803,269	18,181,813
Manitoba.....	} 6	—	12	—	18	13,850	26,500	40,350
Alberta.....								
British Columbia.....								
Canada.....	1,191	498	6,271	702	8,662	6,635,670	21,159,685	27,795,355
1953								
Newfoundland.....	} 47	11	436	—	494	227,777	1,052,777	1,280,554
Nova Scotia.....								
New Brunswick.....								
Quebec.....	349	142	1,718	172	2,381	1,896,337	5,727,939	7,624,276
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.....								
Canada.....	1,226	531	6,204	673	8,634	7,214,204	21,441,894	28,656,098

TABLE 15. Capital and Repair Expenditures in the Wire and Wire Goods Industry, 1949-1953

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						
1949.....	702	1,433	2,135	645	2,091	2,736	4,871
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	2,109	2,843	4,952	661	3,323	3,984	8,936

1. Preliminary.

TABLE 16. Fuel and Electricity Used¹ in the Wire and Wire Goods Industry, 1948 and 1953

Kind	1948		1953	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Bituminous coal:				
From Canadian mines	tons	12,860	11,991	135,341
Imported	"	24,158	17,132	192,910
Anthracite coal	"	184	196	4,537
Coke	"	313	24	501
Gasoline	Imp. gal.	82,096	115,585	41,103
Kerosene	"	3,245	97,877	14,176
Fuel oil	"	524,506	1,869,466	226,967
Wood	cords	493	425	3,128
Gas:				
Liquefied petroleum gases (propane, etc.)	Imp. gal.	2	19,536	7,444
Other manufactured gas	M. cu. ft.	572,696	255,309	137,929
Natural gas	M. cu. ft.	1,915	23,619	24,529
Other fuel	—	—	—	59,365
Electricity purchased	k.w.h.	52,975,835	71,164,250	664,156
Total cost	—	—	—	1,512,086
Electricity generated for own use	k.w.h.	4,786,500	—	—

1. Details shown in Tables 16 and 17 are collected only every five years; accordingly, data for intervening years are not available.

2. Not collected separately.

TABLE 17. Power Equipment¹ in the Wire and Wire Goods Industry, 1948 and 1953

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1948				
Steam engines and steam turbines	1	145	—	—
Diesel engines	1	21	—	—
Gasoline, gas and oil engines, other than Diesel engines ..	8	114	3	48
Total primary	10	280	3	48
Electric motors run by purchased power	3,997	27,612	229	2,241
Total	4,007	27,892	232	2,289
Electric motors run by above primary units	50	1,550	—	—
Boilers for power purposes only	13	1,968	1	135
Motor-generator sets	42	7,062 k.v.a.	3	345 k.v.a.
1953				
Steam engines and steam turbines	4	38	—	—
Diesel engines	1	21	—	—
Gasoline, gas and oil engines, other than Diesel engines ..	25	726	1	22
Total primary	30	785	1	22
Electric motors run by purchased power	6,518	37,762	344	2,426
Total	6,548	38,547	345	2,448
Boilers for power purposes only	9	1,132	1	100
Motor-generator sets	52	8,360 k.v.a.	7	397 k.v.a.

1. See footnote to Table 16.

Directory of Firms in the Wire and Wire Goods Industry, 1953

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:	
Dawe's Nail and Hardware Ltd. ¹	Bay Roberts
United Nail & Foundry Co. Ltd. ¹	Hamilton Ave., St. John's
Nova Scotia:	
Dominion Iron and 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 Ltd.	9769 St. Lawrence Blvd., Montreal
Anglo-Canadian Wire Rope Co. Ltd.	125 Rockfield Ave., Lachine
Artistic Wire Works	8152 Drolet St., 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 ¹	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
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 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.	9500 St. Lawrence Blvd., Montreal
United Shoe Machinery Co. of Canada, Ltd.	2610 Bennett Ave., Montreal
Webster & Horsfall (Canada) Ltd. ¹	3350 Bellefeuille St., Three Rivers
Wire Work Products Inc.	6293 Casgrain St., Montreal
Ontario:	
Andrews Wire Works of Canada Ltd.	Waford
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. ¹	Ojibway
Canadian Wire Specialties Co.	3370 Dufferin St., Toronto
Capital Wire Cloth & Mfg. Co. Ltd.	Hinton Ave., Ottawa
City Wire Works Co.	1032 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

Directory of Firms in the Wire and Wire Goods Industry, 1953 - 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.	Hunter & Walnut Sts., Hamilton
Globe Spring & Cushion Co.	47 Davies Ave., Toronto
Graham Nail & Wire Products, Limited ¹	35 Fraser Ave., Toronto
Greening, B., Wire Co. Ltd. ¹	55 Queen St., Hamilton
Griplock of Canada, Limited	23 Scott 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
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
Kelson Spring Products	42 Yonge St. N., Richmond Hill
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	445 Nightingale Ave., 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 ¹	Birmingham St., Hamilton
Steel Company of Canada Limited ¹	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	401 Dawes Rd., Toronto
Manitoba:	
Nolin-Hunter Mfg. Co.	376 Bertrand St., St. Boniface
Phoenix Mfg. Co. Ltd.	455 Provencher Ave., St. Boniface
Alberta:	
Alberta Wire Works	10846-95th St., Edmonton
British Columbia:	
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
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
Pacific Wire Company	1362 Franklin St., Vancouver
Simplex Wire & Machine Works	842 Powell St., Vancouver
Wainwright, V.C.	3591 Trafalgar 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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