

CATALOGUE No.

41-216

ANNUAL



WIRE AND WIRE PRODUCTS MANUFACTURERS 1961

The list of firms normally included in this report has been omitted from this issue, along with certain tables. See introductory text for details.

ANNUAL CENSUS OF MANUFACTURES

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EXPLANATORY

SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1961 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability of the data. (See following note on "Establishment".)

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1961, are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category but will be shown separately in subsequent years.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, handling, warehousing and delivery staff. Employees on new construction work, in retail or wholesale operations, on outside piece work, etc, are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included with salaries, but will be shown separately in subsequent years. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the establishment including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested

on f.o.b. establishment basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

Value added by Manufacturing

Value added is compiled by deducting the cost of materials, fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process). Value added is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in D.B.S. publication 61-202, Survey of Production.

Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from \$50,000 to \$100,000 value of shipments and a new intermediate form was used. This form is a shortened version of the long form in that some of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and inter-

mediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity, and inventories, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.

THE HISTORY OF THE UNITED STATES

1776

The first of the thirteen original states to declare independence from Great Britain was the United States of America. This was done on July 4, 1776, when the Continental Congress adopted the Declaration of Independence. The document, written by Thomas Jefferson, declared that the colonies were no longer part of the British Empire and that they were now free and independent states.

The Declaration of Independence was a landmark document in American history. It was the first time that a group of people had declared their independence from a foreign power. The document was signed by the members of the Continental Congress, and it was the first step towards the creation of a new nation.

The Declaration of Independence was a bold statement of the colonies' desire for self-governance. It was a statement of the colonies' belief that they had the right to determine their own future. The document was a statement of the colonies' belief that they were entitled to the same rights as the people of Great Britain.

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WIRE AND WIRE PRODUCTS MANUFACTURERS

1961

Data presented in this report under the heading of Wire and Wire Products Manufacturers reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of 1961 industry statistics—see item "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report. For statistical purposes the industry titled Wire and Wire Products Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in drawing wire from rods and in manufacturing nails, spikes, staples, bolts, nuts, rivets, screws, washers, wire fencing, screening, wire cloth, barbed wire, tire chains, uninsulated wire rope and cable, kitchen wire goods and other wire products. Establishments primarily engaged in manufacturing insulated wire and cable are included in Industry No. 338—Manufacturers of Electric Wire and Cable.

In many instances, adoption of the new Standard Industrial Classification effected a radical shifting of manufacturing establishments as between industry groupings. Where this has occurred an attempt has been made to recompile 1957, 1958 and 1959 data on the revised Standard Industrial Classification basis for the purposes of comparability. A significant element in the shift in the case of Wire and Wire Products Manufacturers was the transfer to this industry of establishments engaged in the manufacture of automatic screw machine products and fasteners such as bolts, nuts and rivets etc. which were previously classified in the Hardware, Tools and Cutlery Industry.

Implementation of the new Establishment Concept in 1961 affected the reporting procedures of a few firms. The major changes occurred in the province of Quebec and were the result of transfers because of combinations in reporting. The overall effect of these changes is reflected in Table 1 which presents these statistics on the basis of the new Standard Industrial Classification and incorporates changes due to the implementation of the New Establishment Concept.

As a result of increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in the reports issued in the Census of Manufactures. It is planned to resume publication of these tables in the 1962 reports. In general the tables affected are Directory of Firms—Imports—Exports—Capital and Repair Expenditures.

TABLE 1. Principal Statistics: Wire and Wire Products Manufacturers, by Provinces, 1957-61
(Basis: Revised Standard Industrial Classification and New Establishment Concept)

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number				dollars		
1957							
Newfoundland	3	249	773,495	66,464	1,963,391		3,664,393
Nova Scotia	3	98	310,915	26,743	626,130		1,146,017
New Brunswick	46	3,993	16,144,253	987,743	41,270,195	1	67,752,093
Quebec	103	7,714	31,528,004	1,683,515	58,752,808		114,777,990
Ontario	3	24	56,307	2,075	23,380		164,729
Manitoba	4	22	97,198	7,547	276,958		628,705
Alberta	17	552	2,187,726	101,212	5,109,258		9,803,650
British Columbia							
Canada	179	12,652	51,097,898	2,875,299	108,022,120		197,937,577
1958							
Newfoundland	3	236	942,527	60,592	2,451,946	1,536,731	4,078,624
Nova Scotia	3	100	326,108	28,244	826,882	466,979	1,367,266
New Brunswick	48	3,824	15,652,941	866,545	40,358,067	22,632,694	64,486,101
Quebec	106	7,115	30,094,209	1,590,599	56,147,413	49,835,897	108,744,089
Ontario	3	21	59,554	5,163	62,405	91,345	159,386
Manitoba	6	33	148,412	8,127	744,851	412,145	1,167,539
Alberta	19	515	2,073,761	131,047	4,553,573	4,076,245	8,757,209
British Columbia							
Canada	188	11,844	49,297,512	2,690,317	105,145,137	79,052,036	188,760,214
1959							
Newfoundland	3	199	896,396	71,678	2,080,748	1,192,250	3,263,865
Nova Scotia	3	92	337,085	31,542	737,803	422,530	1,182,442
New Brunswick	46	4,300	18,557,209	1,018,063	44,974,700	28,651,372	72,835,337
Quebec	108	7,917	35,167,645	1,836,691	69,284,762	56,943,258	126,121,597
Ontario	3	22	62,802	5,604	65,118	95,866	166,511
Manitoba	7	44	249,813	9,781	1,068,538	608,234	1,656,923
Alberta	19	610	2,502,410	149,243	5,627,330	4,435,059	10,117,291
British Columbia							
Canada	189	13,184	57,773,360	3,122,602	123,838,999	92,348,569	215,343,966
1960							
Newfoundland	5	202	970,217	73,813	2,139,251	1,104,088	3,462,551
Nova Scotia	48	4,181	18,599,315	953,598	41,521,832	25,301,746	68,025,877
New Brunswick	116	7,308	33,677,236	1,713,838	69,691,049	56,983,730	127,284,241
Quebec	9	64	319,589	12,128	1,042,542	535,521	1,588,464
Ontario	20	573	2,701,786	138,276	4,648,970	4,988,556	9,867,944
Manitoba							
Alberta							
British Columbia							
Canada	198	12,328	56,268,143	2,891,653	119,043,644	88,913,641	210,229,077
1961							
Newfoundland	4	173	831,315	98,599	1,878,879	805,980	2,797,306
Nova Scotia	52	3,937	18,604,511	984,158	45,621,596	28,827,221	76,008,749
New Brunswick	110	7,207	34,444,204	1,829,357	71,662,218	55,436,011	129,156,466
Quebec	10	78	333,253	12,705	1,015,450	639,329	1,688,012
Ontario	23	600	2,645,320	134,127	5,147,360	5,977,232	11,051,347
Manitoba							
Alberta							
British Columbia							
Canada	199	11,995	56,858,603	3,058,946	125,325,503	91,685,773	220,701,880

¹ Because of lack of inventory data "Value added" is not available for 1957.

TABLE 2. Inventories:¹ Wire and Wire Products Manufacturers, 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Quebec	8,440,633	779,211	9,522,513	18,742,357
Ontario	11,098,349	2,111,621	14,692,637	27,902,607
British Columbia	1,642,383	196,609	1,274,455	3,113,447
Other provinces	294,970	95,106	656,257	1,046,333
Canada	21,476,335	3,182,547	26,145,862	50,804,744
Closing:				
Quebec	8,264,824	1,015,827	8,710,123	17,990,774
Ontario	12,255,128	2,614,281	13,961,097	28,830,506
British Columbia	1,745,134	214,177	1,464,259	3,423,570
Other provinces	290,151	183,181	533,806	1,007,138
Canada	22,555,237	4,027,466	24,669,285	51,251,988

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

(b) The opening inventory for 1961 differs from the closing inventory for 1960 because of the receipt of revised data, the inclusion of new establishments, the removal of figures for establishments which did not operate during 1961, changes in classification, and the implementation of the New Establishment Concept.

TABLE 3. Factory Shipments: Wire and Wire Products Manufacturers, 1961

Product	Quantity made	Quantity shipped	Value of factory shipments
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	"		
Nails, Staples and Tacks			
Wire nails, iron and steel (all wire nails, including shoe rivets and other small sizes of wire nails)	keg		
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)			
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails, cut nails, aluminum nails and staples for paper stitching			
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			
Other wire cloth, including insect wire screening—steel, including stainless steel			
Non-ferrous metal			
Miscellaneous fencing and netting			

See note at end of table.

TABLE 3. Factory Shipments: Wire and Wire Products Manufacturers, 1961 — Concluded

Product	Quantity made	Quantity shipped	Value of factory shipments
			\$
Wire Goods			
Steel wire rope or cable (multiple strand—all types)	ton	...	23,459
Twisted strand wire (including galvanized guy wire, wire clothes-lines, twisted bed strand)	"	...	5,373
Steel wire upholstering springs and constructions .....	...	—	12,739,069
Other steel wire springs (except bed springs) .....	...	...	5,808,877
Miscellaneous wire goods (including wire lacing, hairpins, tire braids, wire paper clips, wire guards, welding rods, etc.) .....	...	...	27,264,545
Fasteners and Miscellaneous			
Automatic screw machine products			5,422,719
Fasteners (bolts, nuts, rivets, washers, screws, etc.)			37,076,057
All other products			23,757,758
Amount received for repair work			361,074
Amount received in payment for work done on materials owned by others			305,617
Less adjustments for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above			529,662
Total value of shipments and work done			220,701,880

Note: Data given in the above table are for Wire and Wire Products Manufacturers, 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 5-10 for total Factory Shipments in Canada of certain specified items.

TABLE 4. Materials Used: Wire and Wire Products Manufacturers, 1961

Material	Quantity	Cost at works
		\$
Iron and steel:		
Bars	ton	26,331
Wire rods	"	355,483
Wire:		
Plain	"	96,722
Galvanized	"	29,418
Sheets	"	6,464
Strips	"	6,144
Pipe and tubing		
Nail and tack plate	lb.	2,163,076
Other iron and steel .....	..	12,356,790
Stainless Steel:		
Wire	lb.	1,378,090
Other forms	"	864,367
Non-ferrous metals:		
Aluminum:		
Castings	"	41,976
Sheet	"	41,522
Other forms	"	1,597,742
Brass and bronze	"	10,436,072
Copper:		
Sheet	"	38,969
Wire	"	223,409
Other forms	"	306,595
Lead	"	1,236,044
Tin	"	16,294
Zinc	"	11,100,630
All other non-ferrous metals .....		..
Acid, muriatic	lb.	2,196,657
Acid, sulphuric, 100%	"	18,556,419
Shipping containers and packing materials .....	...	2,936,665
All other materials ¹ .....	...	16,429,249
Amount paid out to others for work done on materials owned by this establishment		1,178,966
Total		125,325,503

¹ No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$8,715,466 in 1961 and this amount is included in "All other materials". The value of shipments actually reported by these small establishments was \$12,062,382.

TABLE 5. Total Production and Factory Shipments of Steel Wire, 1957-61 (from All Industries)

Year	Plain wire	Galvanized wire	Barbed wire	Wire, other coated
1957				
Quantity made ton	290,881	53,986	4,211	1,730
Quantity shipped "	127,029	28,935	4,443	1,958
Value of shipments \$	23,541,071	7,381,381	806,212	614,170
1958				
Quantity made ton	305,733	56,328	4,649	2,397
Quantity shipped "	114,843	28,210	4,588	2,148
Value of shipments \$	21,741,095	6,898,132	854,878	642,017
1959				
Quantity made ton	360,874	62,269	3,755	4,450
Quantity shipped "	146,271	31,695	3,393	4,336
Value of shipments \$	27,557,523	7,587,034	632,162	1,278,729
1960				
Quantity made ton	301,140	52,706	2,916	4,606
Quantity shipped "	150,371	39,960	2,971	4,236
Value of shipments \$	29,354,638	9,239,235	550,000	1,334,581
1961				
Quantity made ton	315,316	56,289	4,244	4,722
Quantity shipped "	152,913	43,100	4,000	4,044
Value of shipments \$	28,507,513	9,393,500	732,404	1,274,621

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 6. Factory Shipments of Steel Wire Fencing, 1957-61 (from All Industries)

Year	Quantity shipped	Value of shipments
	net ton	\$
1957		
Farm fence	11,477	2,439,553
Lawn fence	1,384	381,089
Chain link fabric	6,084	1,704,089
Totals	18,945	4,524,731
1958		
Farm fence	13,390	2,933,424
Lawn fence	1,546	404,761
Chain link fabric	7,135	1,863,531
Totals	22,071	5,201,716
1959		
Farm fence	15,522	3,248,376
Lawn fence	1,327	370,907
Chain link fabric	7,458	1,953,343
Totals	24,307	5,572,626
1960		
Farm fence	12,353	2,767,984
Lawn fence	1,392	414,934
Chain link fabric	7,639	1,889,030
Totals	21,384	5,071,948
1961		
Farm fence	13,906	3,074,342
Lawn fence	1,298	369,402
Chain link fabric	8,725	2,132,653
Totals	23,929	5,576,397

TABLE 7. Factory Shipments of Nails, Tacks and Staples, 1957-61
(from All Industries)

Year	Iron and steel wire staples	Iron and steel wire nails and spikes	Wire and cut tacks of all kinds
	kegs		lbs.
1957			
Quantity shipped	21,719	1,397,001	2,431,531
Value of shipments \$	251,554	13,941,686	883,912
1958			
Quantity shipped	25,861	1,658,129	2,356,440
Value of shipments \$	300,423	16,364,801	880,264
1959			
Quantity shipped	27,042	1,481,101	2,042,335
Value of shipments \$	318,592	15,230,229	742,686
1960			
Quantity shipped	24,670	1,238,072	2,102,035
Value of shipments \$	298,951	12,912,040	690,346
1961			
Quantity shipped	20,106	1,431,874	1,866,000
Value of shipments \$	247,018	14,960,441	730,256

Note: 1 keg = 100 pounds.

TABLE 8. Factory Shipments of Steel Wire Rope and Cable, 1952-61
(from All Industries)

Year	Wire rope and cable ¹ (multiple strand all types)		Twisted strand wire (single strand all types inc. plastic coated)		Total value of shipments
	Quantity shipped	Value of shipments	Quantity shipped	Value of shipments	
	tons	\$	tons	dollars	
1952	24,653	15,083,916	9,013	2,815,099	17,521,862
1953	20,460	13,883,501	8,911	2,959,208	16,244,173
1954	20,337	12,804,590	7,938	2,665,951	15,151,540
1955	23,658	14,599,452	8,018	2,684,300	16,877,771
1956	30,006	18,537,546	10,582	3,952,831	21,807,304
1957	28,304	18,906,769	7,745	2,758,725	21,197,999
1958	24,182	16,655,035	7,536	2,828,853	18,618,433
1959	26,109	17,841,415	8,511	3,084,852	20,071,434
1960	25,746	17,423,369	9,517	3,427,490	20,279,943
1961	23,459	15,782,725	7,773	2,988,745	18,771,470

¹ Totals shown under this heading for earlier years (prior to 1961) excluded some tonnages of multiple strand wire not classed as "wire rope" which were reported separately. As of 1961, this category is being interpreted to include all types of multiple strand wire. Totals shown under this heading prior to 1961 have been adjusted to reflect this change in interpretation.

TABLE 9. Factory Shipments of Welded Wire Mesh, 1957-61
(from All Industries)

Year	Quantity shipped	Value of shipments
	tons	\$
1957	24,060	4,880,149
1958	32,840	6,899,606
1959	44,979	9,423,594
1960	39,676	8,126,341
1961	44,568	8,946,344

TABLE 10. Factory Shipments of Welding Rods,¹ 1957-61 (from All Industries)

Year	Quantity	Value of factory shipments
	tons	\$
1957	20,199	7,675,000
1958	18,474	7,436,000
1959	21,777	8,460,000
1960	19,490	7,342,000
1961	21,236	9,054,000

¹ Includes only ferrous type gas and electric welding rod.**TABLE 11. Principal Statistics classified according to Type of Ownership:
Wire and Wire Products Manufacturers, 1961**

Type	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number			dollars	
Individual ownership	32	174	563,932	586,320	1,570,437
Partnerships	13	136	484,185	456,958	1,215,879
Incorporated companies	154	11,685	55,810,486	124,282,225	217,915,564
Totals	199	11,995	56,858,603	125,325,503	220,701,880

**TABLE 12. Principal Statistics grouped according to Selling Value of Factory Shipments:
Wire and Wire Products Manufacturers, 1961**

Establishments reporting factory shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number			dollars	
Under \$10,000	6	10	14,543	14,713	34,809
\$ 10,000 to \$ 24,999	14	39	91,663	64,960	234,762
25,000 " 49,999	26	136	425,614	308,537	991,132
50,000 " 99,999	25	187	634,609	767,663	1,863,782
100,000 " 199,999	26	369	1,217,559	1,505,135	3,621,124
200,000 " 499,999	41	1,185	4,624,659	5,755,934	13,393,816
500,000 " 999,999	19	902	3,622,753	5,918,562	13,042,418
1,000,000 " 4,999,999	29	3,437	16,306,537	29,247,338	64,890,879
5,000,000 and over	13	5,730	29,920,666	81,742,661	122,629,158
Totals	199	11,995	56,858,603	125,325,503	220,701,880

TABLE 13. Employees and their Earnings: Wire and Wire Products Manufacturers, 1961

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Newfoundland	2	1	9	—	12	8,843	21,416	30,259
Nova Scotia	18	—	108	—	126	111,900	601,047	712,947
New Brunswick	3	1	31	—	35	21,360	66,749	88,109
Quebec	693	269	2,810	165	3,937	5,769,686	12,834,825	18,604,511
Ontario	1,231	497	4,831	648	7,207	9,869,816	24,574,388	34,444,204
Manitoba	3	—	17	—	20	10,773	62,254	73,027
Alberta	12	4	41	1	58	140,962	119,264	260,226
British Columbia	128	51	387	34	600	818,766	1,826,554	2,645,320
Canada	2,090	923	8,234	848	11,995	16,752,106	40,106,497	56,858,603

TABLE 14. Production Workers by Months: Wire and Wire Products Manufacturers, 1961

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	7,051	668
February	7,056	659
March	7,084	665
April	7,307	700
May	7,521	706
June	7,652	715
July	7,541	689
August	7,550	686
September	7,677	700
October	7,695	760
November	7,609	772
December	7,562	763
Average for establishments reporting monthly detail	7,442	707
Average estimated for small establishments ²	784	134
Average for all establishments	8,226	841

¹ The number of production workers, by months, was collected only for large establishments.² The monthly detail of production workers was not collected for small establishments. Only annual averages were collected from these establishments.

TABLE 15. Fuel and Electricity Used: Wire and Wire Products Manufacturers, 1961

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal:		
(a) From Canadian mines ton	7,566	82,950
(b) Imported "	6,968	88,664
Anthracite coal "	334	4,489
Coke "	93	1,367
Gasoline (including gasoline used in cars and trucks) Imp. gal.	337,307	115,155
Fuel oil including kerosene or coal oil "	2,344,952	272,601
Wood cord	351	2,686
Gas:		
(a) Liquefied petroleum gases Imp. gal.	325,444	79,657
(b) Other manufactured gas M cu. ft.	101,097	19,384
(c) Natural gas "	1,438,067	806,131
Other fuel .....	...	46
Electricity purchased kwh.	161,726,404	1,340,609
Steam purchased .....	..	64,059
2. Estimate for establishments for which no data were collected: ²		
Cost of fuel and electricity .....	...	181,148
3. All establishments:		
Total cost of fuel and electricity	3,058,946

¹ Large establishments.² Small establishments.

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