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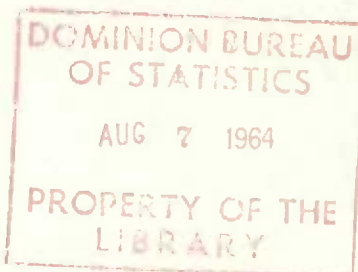


METAL ROLLING, CASTING AND EXTRUDING, N.E.S.

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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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.
- * revised figures.

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.

METAL ROLLING, CASTING AND EXTRUDING, N.E.S.

1961

Data presented in this report under the heading of Metal Rolling, Casting and Extruding, n.e.s. 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 items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report. For statistical purposes the industry titled Metal Rolling, Casting and Extruding, n.e.s. in the revised Standard Industrial Classification covers establishments primarily engaged in manufacturing non-ferrous metals such as zinc, tin, lead, nickel and titanium and their alloys in shapes such as bars, rods, plates, sheets and castings. In addition, this industry includes establishments primarily engaged in pressure die casting of all non-ferrous metals and their alloys and those engaged in the recovery of non-ferrous metals from scrap.

In many instances, adoption of the new Standard Industrial Classification effected a radical shifting of manufacturing establishments as between industry groupings and the establishment of new industries as in the case of Metal Rolling, Casting and Extruding, n.e.s. This new industry is now comprised of those establishments previously forming a major component of the old S.I.C. industry "The White Metal Alloys Industry". The introduction of the new definition of establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated some adjustments to the statistics. For the industry under review such changes were of a minor nature. Table 1 reflects the adjustments resulting from the new concept changes, for the years 1957 to 1961.

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 some of these in the 1962 reports. In general, the tables affected are as follows: Directory of Firms—Imports—Exports—Capital and Repair Expenditures.

TABLE 1. Principal Statistics: Metal Rolling, Casting and Extruding, n.e.s., by Provinces, 1957-61
Basis: Revised Standard Industrial Classification and New Establishment Concept

Year and province	Estab- lishments	Employees	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							
New Brunswick	1	454	1,855,920	132,735	7,596,880		10,494,129
Quebec	15						
Ontario	39	2,312	8,675,206	842,885	34,209,418		49,918,104
Manitoba	4						
Alberta	3	134	526,928	55,322	1,938,634		2,924,450
British Columbia	6						
Canada	68	3,006	11,400,053	1,091,674	45,372,397		65,764,057
1958							
New Brunswick	1	409	1,613,662	130,423	5,713,162	2,474,174	8,427,149
Quebec	14						
Ontario	41	1,869	7,742,878	781,904	27,551,792	11,908,254	40,743,335
Manitoba	4						
Alberta	3	131	559,891	55,672	1,569,985	1,413,052	2,910,846
British Columbia	6						
Canada	69	2,514	10,292,550	1,030,736	36,319,711	16,627,395	54,444,036
1959							
New Brunswick	1	375	1,518,166	127,435	6,281,037	2,820,530	9,159,432
Quebec	15						
Ontario	42	2,043	8,231,130	873,439	27,618,502	15,171,222	43,256,514
Manitoba	4						
Alberta	3	132	603,345	58,553	1,607,933	1,710,144	3,225,649
British Columbia	8						
Canada	71	2,670	10,818,648	1,122,376	37,228,240	20,634,684	58,305,846
1960							
New Brunswick	1	379	1,533,099	142,349	5,192,235	3,059,768	8,320,347
Quebec	15						
Ontario	45	2,008	8,307,014	866,403	27,133,915	13,687,438	41,862,838
Manitoba	4						
Alberta	4	24	86,108	9,271	388,732	252,002	603,587
British Columbia	6						
Canada	75	2,638	10,935,147	1,125,151	35,460,121	19,197,665	55,681,073
1961							
New Brunswick	2	422	1,674,029	137,311	6,927,864	3,757,690	10,633,437
Quebec	15						
Ontario	44	1,986	8,517,451	851,428	30,615,958	15,641,262	46,808,514
Manitoba	4						
Alberta	4	29	105,903	10,310	502,358	317,487	797,560
British Columbia	5						
Canada	74	2,663	11,290,664	1,111,591	41,105,256	22,630,320	63,907,467

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

TABLE 2. Inventories:¹ Metal Rolling, Casting and Extruding, n.e.s., 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
			dollars	
Opening:²				
New Brunswick	466,191	131,903	761,818	1,359,912
Quebec				
Ontario	3,321,113	929,987	2,858,672	7,109,772
Manitoba				
Alberta	89,562	10,000	67,675	167,237
British Columbia				
Canada	4,608,838	1,261,807	4,449,374	10,320,019
Closing:				
New Brunswick	501,462	151,855	931,294	1,584,611
Quebec				
Ontario	3,834,611	919,055	3,169,738	7,923,404
Manitoba				
Alberta	20,989	11,000	99,270	131,259
British Columbia				
Canada	4,885,349	1,355,004	5,295,877	11,536,230

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

² 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 in 1961, changes in classification and the implementation of the New Establishment Concept.

TABLE 3. Factory Shipments: Metal Rolling, Casting and Extruding, n.e.s., 1960 and 1961

	1960		1961	
	Quantity	Selling value of factory shipments	Quantity	Selling value of factory shipments
	pounds	\$	pounds	\$
Secondary non-ferrous metals (reclaimed from scrap or remelted) (all forms pig, ingot, shot, etc.):				
Aluminum	16,531,989	3,820,361	16,063,407	3,795,410
Lead, unalloyed	20,802,346	2,366,947	17,516,752	1,817,660
Tin	87,214	94,426	31,871	38,613
Zinc	8,030,788	1,152,561	9,181,807	1,293,941
Other	—	—	...	435,675
Alloys, non-ferrous (all forms, pig, ingot, shot, etc.):				
Rabbit	1,734,963	907,798	1,477,150	788,739
Copper-base alloys (brass, bronze, etc.)	34,254,063	9,319,648	32,977,923	10,542,680
Die casting alloy	12,087,101	1,858,479	9,594,338	1,523,989
Lead, antimonial — Primary (made from virgin metal) ..	5,169,420	623,299	6,978,547	791,808
Secondary (reclaimed from scrap) ..	27,293,844	3,595,530	36,443,777	4,515,769
Solders	11,225,934	5,042,428	9,248,664	4,664,707
Type and type metal	10,620,629	2,652,224	11,375,695	2,793,890
Other alloys .....	...	188,911	...	3,419,391
Castings:				
Die casting:				
Aluminum-base alloy	2,432,667	1,909,657	2,418,322	1,822,926
Zinc-base alloy	14,769,573	6,534,227	18,258,500	7,190,135
Other castings .....	...	1,559,871	...	2,491,946
Lead products:				
Pipe and tubing, traps and bends	2,559,844	699,591	2,254,260	680,367
Plate, sheet and strip	5,656,344	1,559,269	6,427,270	1,709,961
Wire	366,356	200,175	1,822,248	807,944
Other rolled, drawn or extruded lead shapes	860,366	215,613	157,892	20,613
All other products .....	...	12,759,887	...	12,809,480
Less adjustments for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above	...	...	...	148,177
Totals .....	...	57,060,903	...	63,907,467

Note: Data for 1960 presented in above table are based on revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept. While not exactly comparable with 1961 figures, actual differences are of a minor nature.

TABLE 4. Materials Used: Metal Rolling, Casting and Extruding, n.e.s., 1960 and 1961

Material		1960		1961	
		Quantity	Cost at plant	Quantity	Cost at plant
			\$		\$
Metals (other than scrap):					
Aluminum:					
Ingots	lb.	3,465,593	795,861	2,937,696	697,964
Other forms	"	452,690	108,750	2,301,554	448,055
Antimony	"	868,066	163,540	805,193	184,685
Arsenic (elemental and oxide)	"	37,298	8,106	45,349	7,013
Bismuth	"	28,041	64,331	37,265	82,346
Brass and bronze, all forms	"	834,706	256,445	1,433,346	502,489
Cadmium	"	6,588	10,378	65,360	92,833
Copper ingots and slabs	"	261,674	80,317	137,193	40,258
Die casting alloys	"	8,068,962	1,193,800	7,241,996	1,029,540
Lead, pig:					
Pure	"	28,562,779	2,927,030	26,296,185	2,658,193
Antimonial	"	3,398,613	340,909	4,016,263	315,542
Magnesium	"	596,731	243,575	737,347	276,568
Manganese metal	"	18,257	8,131	26,760	10,785
Nickel	"	2,116,254	1,546,639	1,997,692	1,541,902
Silicon metal	"	517,039	95,451	565,876	104,856
Silver, fine	troy oz.	27,498	27,800	27,158	29,104
Tellurium	lb.	1,132	3,492	1,022	4,022
Tin, pig	"	4,041,486	3,979,898	3,277,792	3,841,555
Zinc slabs, bars and ingots	"	17,194,490	2,204,232	21,662,587	2,639,900
Other metals, except scrap, but including alloys	"	1,669,820	823,513	1,370,858	856,977

Note: Data for 1960 presented in above table are based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept. While not exactly comparable with 1961 figures, actual differences are of a minor nature.

TABLE 4. Materials Used: Metal Rolling, Casting and Extruding, n.e.s., 1960 and 1961 - Concluded

Material	1960		1961	
	Quantity	Cost at plant	Quantity	Cost at plant
		\$		\$
Scrap metals of all kinds:				
Aluminum	19,343,983	2,832,688	16,528,054	2,075,750
Babbitt	2,926,096	444,348	2,783,042	526,691
Brass and bronze	25,688,259	4,549,860	30,056,456	6,974,920
Copper	8,186,488	1,876,039	4,162,493	1,026,358
Lead	63,690,293	3,500,377	78,588,839	4,349,826
Magnesium	31,135	5,545	29,443	5,920
Solder	891,420	180,069	1,074,341	300,661
Tin	58,786	35,515	256,622	252,115
Type metal	7,837,403	1,383,600	8,146,132	1,606,659
Zinc	2,789,386	165,473	3,243,675	193,293
Zinc dross	7,989,766	432,640	6,525,624	341,780
Other scrap, including scrap unspecified by kind ..	4,976,682	486,778	4,708,522	935,387
Shipping containers .....	..	268,547	..	356,220
All other materials ¹ .....	..	5,727,975	..	6,795,096
Totals .....	...	36,771,652	...	41,105,256

¹ No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$2,047,228 in 1960 and \$2,254,877 in 1961 and these amounts are included in "All other materials".

TABLE 5. Factory Shipments of Babbitt, Solders, Type and Type Metal, 1952-61
(from All Industries)

Year	Babbitt metal		Solders of all kinds		Type and type metal	
	Quantity	Selling value at plant	Quantity	Selling value at plant	Quantity	Selling value at plant
	lb.	\$	lb.	\$	lb.	\$
1952	2,810,857	1,358,068	11,734,509	5,674,938	7,559,473	2,065,443
1953	2,879,263	1,168,778	11,242,213	5,087,584	6,320,582	1,724,280
1954	2,036,194	904,776	10,356,093	4,591,640	8,149,079	1,732,508
1955	2,848,000	1,207,000	12,814,000	5,764,000	7,794,000	1,897,000
1956	2,963,000	1,194,000	12,937,000	6,086,000	9,975,000	2,614,000
1957	2,176,000	1,047,000	11,994,000	5,890,000	9,086,000	2,698,000
1958	1,595,000	764,000	11,435,000	5,033,000	6,918,000	2,373,000
1959	1,232,000	702,000	11,700,000	5,151,000	11,141,000	2,959,000
1960	1,941,000	967,000	11,926,000	5,386,000	10,621,000	2,652,000
1961	1,509,000	824,000	9,515,000	4,804,000	11,376,000	2,794,000

TABLE 6. Factory Shipments of Die Castings,¹ 1957-61
(from All Industries)

Year	Aluminum base		Zinc base	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
1957	2,153,000	1,527,000	16,516,000	7,750,000
1958	2,560,000	1,645,000	16,561,000	7,543,000
1959	3,749,000	2,442,000	17,066,000	7,702,000
1960	3,918,000	2,699,000	16,606,000	7,419,000
1961	3,737,000	2,651,000	17,913,000	9,099,000

¹ Reported for sale as such, does not include castings produced for own use or castings reported under other commodity headings such as hardware, parts, etc.

TABLE 7. Principal Statistics classified according to Type of Ownership:
Metal Rolling, Casting and Extruding, n.e.s., 1961

Type	Estab- lishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
Individual ownership	4	6	14,364	17,200	47,844
Partnerships	10	110	418,882	2,780,734	3,715,001
Incorporated companies	60	2,547	10,857,418	38,307,322	60,144,622
Totals	74	2,663	11,290,664	41,105,256	63,907,467

TABLE 8. Principal Statistics grouped according to Selling Value of Factory Shipments:
Metal Rolling, Casting and Extruding, n.e.s., 1961

Establishments reporting value of factory shipments	Estab- lishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
Under \$10,000	3	4	4,105	5,500	15,404
\$ 10,000 to \$ 24,999	5	12	33,815	25,736	88,721
25,000 " 49,999	3	18	47,183	29,322	92,003
50,000 " 99,999	9	47	212,523	384,875	757,206
100,000 " 199,999	14	183	667,943	953,797	1,988,954
200,000 " 499,999	12	224	906,500	1,621,549	3,579,276
500,000 " 999,999	8	282	1,165,867	3,521,921	6,136,022
1,000,000 " 4,999,999	19	1,893	8,232,728	34,562,554	51,249,681
5,000,000 and over	1				
Totals	74	2,663	11,290,664	41,105,256	63,907,467

TABLE 9. Employees and their Earnings: Metal Rolling, Casting and Extruding, n.e.s., 1961

Province	Employees					Earnings		
	Office and supervisory		Production workers		Total	Office and supervisory	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
New Brunswick and Quebec	68	24	319	11	422	443,374	1,230,655	1,674,029
Ontario	499	137	1,185	165	1,986	3,522,855	4,994,596	8,517,451
Manitoba	28	7	78	5	118	203,861	292,002	495,863
Alberta and British Columbia	32	7	96	2	137	201,048	402,273	603,321
Canada	627	175	1,678	183	2,663	4,371,138	6,919,526	11,290,664



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TABLE 10. Production Workers, by Months: Metal Rolling, Casting and Extruding, n.e.s., 1961

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	1,430	146
February	1,383	158
March	1,368	165
April	1,388	149
May	1,388	145
June	1,406	147
July	1,412	144
August	1,473	167
September	1,510	170
October	1,530	196
November	1,521	203
December	1,497	181
Average for establishments reporting monthly detail	1,444	165
Average estimated for small establishments ²	234	18
Average for all establishments	1,678	183

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

TABLE 11. Fuel and Electricity Used: Metal Rolling, Casting and Extruding, n.e.s., 1961

Kind	Quantity	Cost at plant dollars
1. Establishments reporting commodity detail: ¹		
Bituminous coal	ton 830	10,922
Anthracite coal	" 277	4,098
Coke	" 1,571	48,354
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 203,460	76,107
Fuel oil including kerosene or coal oil	" 2,983,791	377,641
Gas (a) Liquefied petroleum gases	" 156,488	32,444
(b) Other manufactured gas	M cu. ft. 130,387	44,279
(c) Natural gas	" 235,244	166,088
Other fuel .....	... 2,885	
Electricity purchased	kwh. 23,967,631	245,104
2. Estimate for establishments for which no data were collected: ²		
Cost of fuel and electricity .....	...	103,669
3. All establishments:		
Total cost of fuel and electricity .....	...	1,111,591

¹ Large establishments.² Small establishments.