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

1960

Formerly the White Metal Alloys Industry

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 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 1960 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. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

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 1960 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

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

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.

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, ware-

housing and delivery staffs. 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 calendar years 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 but not their withdrawals for income tax. 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 works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies 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 refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant 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 are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse 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 values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which has been 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. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. 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.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most 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 intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

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 office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

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

1960

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.) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics—see item "Standard Industrial Classification" 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". In order to provide a statistical comparison an attempt has been made to

recompile 1957, 1958 and 1959 data on the revised Standard Industrial Classification basis. Figures on this basis are shown in Table 1.

There were 77 establishments classified to Metal Rolling, Casting and Extruding, n.e.s. in 1960; there being 1 in New Brunswick, 16 in Quebec, 46 in Ontario, 4 each in Manitoba and Alberta and 6 in British Columbia. Employees in this industry numbered 2,636; salaries and wages totalled \$10,949,673; materials used in the manufacturing process cost \$36,771,653; and factory shipments were valued at \$57,060,903.

Note: Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

TABLE 1. Principal Statistics: Metal Rolling, Casting and Extruding n.e.s., by Provinces, 1957 - 60
Basis: Standard Industrial Classification revised 1960

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 ¹	Selling value of factory shipments
	number				dollars		
1957							
New Brunswick	1	458	1,868,860	141,412	7,701,037		10,662,999
Quebec	16						
Ontario	40	2,291	8,608,628	901,706	35,119,450		50,699,567
Manitoba	4	106	341,999	60,732	1,627,465		2,427,374
Alberta	3	134	526,928	55,322	1,938,634		2,928,784
British Columbia	6						
Canada	70	2,989	11,346,415	1,159,172	46,386,586		66,718,724
1958							
New Brunswick	1	412	1,627,399	141,140	581,644	2,485,873	8,552,850
Quebec	15						
Ontario	42	1,855	7,698,502	836,249	28,620,346	11,797,718	41,761,398
Manitoba	4	105	376,119	62,737	1,484,772	831,915	2,362,706
Alberta	3	131	559,891	55,672	1,569,985	1,417,582	2,915,376
British Columbia	6						
Canada	71	2,503	10,261,911	1,095,798	37,491,550	16,533,088	55,592,330
1959							
New Brunswick	1	378	1,530,730	137,237	6,375,507	2,833,158	9,276,332
Quebec	16						
Ontario	43	2,030	8,199,117	932,331	28,844,657	15,054,765	44,399,104
Manitoba	4	120	466,007	62,949	1,722,768	932,788	2,664,251
Alberta	3	132	603,345	58,553	1,607,933	1,715,346	3,230,851
British Columbia	6						
Canada	73	2,660	10,799,199	1,191,070	38,550,865	20,536,057	59,570,538
1960							
New Brunswick	1	382	1,545,663	152,151	5,286,705	3,071,255	8,436,106
Quebec	16						
Ontario	46	2,003	8,308,976	929,346	28,350,977	13,662,345	43,122,040
Manitoba	4	118	474,443	58,858	1,517,124	964,408	2,551,611
Alberta	4	24	86,108	9,271	388,732	252,002	603,582
British Columbia	6	109	534,483	48,270	1,228,115	1,238,908	2,347,564
Canada	77	2,636	10,949,673	1,197,896	36,771,653	19,188,918	57,060,903

¹ See note to text.

² Because of lack of inventory data "Value added" figures on revised basis are not available for 1957.

Note: Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Inventories,¹ 1960

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
New Brunswick	412,400	102,730	738,058	1,253,188
Quebec				
Ontario	3,783,350	959,333	3,106,898	7,849,581
Manitoba	237,916	96,229	193,837	527,982
Alberta	122,997	10,800	20,452	154,249
British Columbia	359,687	61,162	453,609	874,458
Canada	4,916,350	1,230,254	4,512,854	10,659,458
Closing:				
New Brunswick	469,087	131,903	782,890	1,383,880
Quebec				
Ontario	3,139,234	925,871	2,960,988	7,026,093
Manitoba	220,224	101,672	177,173	499,069
Alberta	89,562	10,000	67,675	167,237
British Columbia	513,776	88,245	594,255	1,196,276
Canada	4,431,883	1,257,691	4,582,981	10,272,555

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

TABLE 3. Factory Shipments: Metal Rolling, Casting and Extruding, 1960

Item	Quantity	Selling value of factory shipments
	pounds	dollars
Secondary non-ferrous metals (reclaimed from scrap or remelted) (all forms pig, ingot, shot, etc.):		
Aluminum	16,531,989	3,820,361
Lead, unalloyed	20,802,346	2,366,947
Tin	87,214	94,426
Zinc	8,030,788	1,152,561
Alloys, non-ferrous (all forms, pig, ingot, shot, etc.):		
Babbitt	1,734,963	907,798
Copper-base alloys (brass, bronze, etc.)	34,254,063	9,319,648
Die casting alloy	12,087,101	1,858,479
Lead, antimonial—Primary (made from virgin metal)	5,169,420	623,299
Secondary (reclaimed from scrap)	27,293,844	3,595,530
Solders	11,225,934	5,042,428
Type and type metal	10,620,629	2,652,224
Other alloys .....	...	188,911
Castings:		
Die casting:		
Aluminum-base alloy	2,432,667	1,909,657
Zinc-base alloy	14,769,573	6,534,227
Other castings .....	...	1,559,871
Lead products:		
Pipe and tubing, traps and bends	2,559,844	699,591
Plate, sheet and strip	5,656,344	1,559,269
Wire	366,356	200,175
Other rolled, drawn or extruded lead shapes	860,366	215,613
All other products .....	...	12,759,887
Total .....	...	57,060,903

TABLE 4. Materials Used: Metal Rolling, Casting and Extruding, 1960

Material	Quantity	Cost at plant
		dollars
Metals (other than scrap):		
Aluminium:		
Ingots:		
Primary or virgin	lb. 2,338,115	541,714
Secondary (from scrap)	" 1,127,478	254,147
Other forms	" 452,690	108,750
Antimony	" 868,066	163,540
Arsenic (elemental and oxide)	" 37,298	8,106
Bismuth	" 28,041	64,331
Brass and bronze, all forms	" 834,706	256,445
Cadmium	" 6,588	10,378
Copper ingots and slabs	" 261,674	80,317
Die casting alloys	" 8,068,962	1,193,800
Lead, pig:		
Pure:		
Primary or virgin	" 24,167,978	2,555,688
Secondary (from scrap)	" 4,394,801	371,342
Antimonial:		
Primary	" 1,538,858	161,803
Secondary (from scrap)	" 1,859,755	179,106
Magnesium	" 596,731	243,575
Manganese metal	" 18,257	8,131
Nickel	" 2,116,254	1,546,639
Silicon metal	" 517,039	95,451
Silver, fine	troy oz. 27,498	27,800
Tellurium	lb. 1,532	3,492
Tin, pig:		
Primary or virgin	" 4,035,816	3,973,731
Secondary (from scrap)	" 5,670	6,167
Zinc slabs, bars and ingots	" 17,194,490	2,204,232
Other metals, except scrap, but including alloys	" 1,669,820	823,513

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

Material	Quantity	Cost at plant
		dollars
Scrap metals of all kinds:		
Aluminum..... lb.	19,343,983	2,832,688
Babbitt..... "	2,926,096	444,348
Brass and bronze..... "	25,688,259	4,549,860
Copper..... "	8,186,488	1,876,039
Lead..... "	63,690,293	3,500,377
Magnesium..... "	31,135	5,545
Solder..... "	891,420	180,069
Tin..... "	58,786	35,515
Type metal..... "	7,837,403	1,383,600
Zinc..... "	2,789,386	165,473
Zinc dross..... "	7,989,766	432,640
Other scrap, including scrap unspecified by kind..... "	4,976,682	486,778
Shipping containers.....	...	268,547
All other materials ¹.....	...	5,727,975
Total.....	...	36,771,652

¹ No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$300,000. The total value of materials used by these firms was \$2,047,228 and this amount is included in "All other materials".

TABLE 5. Factory Shipments of Babbitt, Solders, Type and Type Metal, 1952-60 (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.....	1,594,628	763,846	11,435,046	5,032,979	6,918,290	2,373,043
1959.....	1,231,590	702,124	11,700,152	5,151,006	11,140,810	2,959,477
1960.....	1,940,564	966,657	11,925,934	5,385,781	10,620,629	2,652,224

TABLE 6. Principal Statistics classified according to Type of Ownership: Metal Rolling, Casting and Extruding, n.e.s., 1957 and 1960

Type	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1957					
Individual ownership.....	3	10	30,258	16,332	60,293
Partnerships.....	5	31	105,178	276,704	498,350
Incorporated companies.....	62	2,948	11,210,979	46,093,550	66,160,081
Totals	70	2,989	11,346,415	46,386,586	66,718,724
1960					
Individual ownership.....	5	9	19,567	14,770	41,968
Partnerships.....	8	75	333,195	2,020,519	2,734,255
Incorporated companies.....	64	2,552	10,596,911	34,736,364	54,284,680
Totals	77	2,636	10,949,673	36,771,653	57,060,903

TABLE 7. Principal Statistics grouped according to Selling Value of Factory Shipments:
Metal Rolling, Casting and Extruding, n.e.s., 1957 and 1960

Establishments reporting value of factory shipments	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number			dollars	
1957					
Under \$10,000.....	2	16	37,607	29,449	93,793
\$ 10,000 to \$ 24,999.....	4	28	95,220	74,886	207,415
25,000 " 49,999.....	6	46	151,586	169,060	409,567
50,000 " 99,999.....	5	167	603,904	951,296	1,867,048
100,000 " 199,999.....	14	209	750,801	2,281,485	3,693,695
200,000 " 499,999.....	13	180	807,268	2,345,144	3,740,627
500,000 " 999,999.....	5	2,324	8,836,275	40,535,266	56,706,579
1,000,000 " 4,999,999.....	20	19	63,754	—	—
5,000,000 and over.....	1				
Head office.....	—				
Totals	70	2,989	11,346,415	46,386,586	66,718,724
1960					
Under \$10,000.....	5	7	11,453	19,254	31,810
\$ 10,000 to \$ 24,999.....	6	17	53,220	29,663	100,137
25,000 " 49,999.....	3	15	64,902	27,123	116,400
50,000 " 99,999.....	11	64	218,079	355,186	786,569
100,000 " 199,999.....	16	182	647,798	1,269,000	2,340,825
200,000 " 499,999.....	10	357	1,338,994	1,643,509	3,269,935
500,000 " 999,999.....	8	336	1,398,621	2,839,200	5,450,559
1,000,000 " 4,999,999.....	17	1,655	7,197,331	30,588,718	44,964,668
5,000,000 and over.....	1				
Head office.....	—	3	19,275	—	—
Totals	77	2,636	10,949,673	36,771,653	57,060,903

TABLE 8. Employees and their Earnings: Metal Rolling, Casting and Extruding, n.e.s.,
1959 and 1960

Province	Employees					Earnings		
	Office and supervisory		Production workers		Total	Office and supervisory	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1959								
New Brunswick and Quebec	72	21	276	9	378	479,836	1,050,894	1,530,730
Ontario.....	498	125	1,265	142	2,030	3,257,339	4,941,778	8,199,117
Manitoba	26	9	81	4	120	189,003	277,004	466,007
Alberta and British Columbia.....	25	8	97	2	132	185,196	418,149	603,345
Canada.....	621	163	1,719	157	2,660	4,111,374	6,687,825	10,799,199
1960								
New Brunswick and Quebec	64	20	288	10	382	416,590	1,129,073	1,545,663
Ontario.....	525	128	1,156	194	2,003	3,501,568	4,807,408	8,308,976
Manitoba	26	7	81	4	118	185,033	289,410	474,443
Alberta.....	3	1	19	1	24	15,345	70,763	86,108
British Columbia	20	7	80	2	109	155,335	379,148	534,483
Canada.....	638	163	1,624	211	2,636	4,273,871	6,675,802	10,949,673

TABLE 9. Production Workers, by Months: Metal Rolling, Casting and Extruding, n.e.s., 1960

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	1,431	178
February	1,463	195
March	1,438	210
April	1,433	213
May	1,424	220
June	1,409	214
July	1,356	198
August	1,377	105
September	1,396	203
October	1,420	203
November	1,393	166
December	1,410	163
Average for establishments reporting monthly detail	1,412	197
Average estimated for small establishments ²	212	14
Average for all establishments	1,624	211

¹ The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$300,000, and over.

² For establishments generally reporting value of shipments of less than \$3,000,000, no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll which was then used in conjunction with estimated average earnings to arrive at number of workers.

TABLE 10. Fuel and Electricity Used: Metal Rolling, Casting and Extruding, n.e.s., 1960

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal	ton 458	6,750
Anthracite coal	" 232	3,969
Coke	" 1,983	58,540
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 407,476	129,192
Fuel oil including kerosene or coal oil	" 3,121,750	417,443
Gas (a) Liquefied petroleum gases	" 107,093	22,391
(b) Other manufactured gas	M cu. ft. 112,192	25,604
(c) Natural gas	" 355,437	190,847
Other fuel .....	... ..	2,380
Electricity purchased	kwh. 22,667,718	237,103
2. Estimate for establishments for which no data were collected: ²		
Cost of fuel and electricity .....	...	103,677
3. All establishments:		
Total cost of fuel and electricity .....	...	1,197,896

¹ Establishments generally reporting value of shipments of \$300,000 and over.

² Establishments generally reporting value of shipments of less than \$300,000.

TABLE 11. Imports of Specified Products related to the Industry: Metal Rolling, Casting and Extruding, n.e.s., 1959 and 1960

Item	1959		1960	
	Quantity	Value	Quantity	Value
		\$		\$
Lead in pigs and blocks	lb. 3,619,279	327,640	1,239,010	150,277
Nickel, nickel plated ware n.o.p. ....	... 2,025,501		...	1,647,803
Tin blocks, pigs or bars	cwt. 93,711	9,181,672	84,409	8,257,625
Phosphor tin, phosphor bronze	lb. 1,563,422	907,226	1,355,228	867,724
Type printing, chases, quoins .....	... 270,656		...	219,361

TABLE 12. Exports of Specified Products related to the Industry: Metal Rolling, Casting and Extruding, n.e.s., 1959 and 1960

Item	1959		1960	
	Quantity	Value	Quantity	Value
		\$		\$
Lead scrap	cwt. 60,498	471,411	133,740	997,869
Lead in pigs refined lead	" 1,845,049	15,183,277	1,928,978	15,958,094
Lead pipe and tubing	" 159	3,582	175	3,441
Lead manufacturers .....	... 57,856		...	93,545
Zinc manufacturers .....	... 178,114		...	137,605

Directory of Firms: Metal Rolling, Casting and Extruding, n.e.s., 1960

Name of firm	Location of plant
New Brunswick:	
Pope Limited, A.O.	90 Winter St., Saint John
Quebec:	
Associated Printers Supply Co.	988 St. James St. W., Montreal
Canada Metal Co. Ltd, The	6265 Notre Dame St., Montreal
Eagle Smelting and Refining Works Ltd.	1095 Smith St., Montreal
Eastern Aluminum Reductions Co. Ltd.	Pointe Aux Trembles
Eastern Die Castings Reg'd.	975 DeCarie Blvd., Ville St. Laurent
Federated Metals (Canada) Ltd.	1400 Norman St., Lachine
Herlicon Metals and Plastics Inc.	3815 Ruskin St., Ville St. Michel
Kay Lead and Alloys, Co.	7929 Dante Ave., Ville St. Michel
Latulippe, Charles	519 rue Sylva, Notre Dame de Sacré Coeur
Lyster Die Casting Ltd.	Lyster Station, Co. Megantic
Metals and Alloys Ltd.	1611 Bercy St., Montreal
Richler Metal Co.	10244 Balzac Ave., Montreal North
Richmond Machine Tool and Die Casting Co. Ltd.	5680 Fullum St., Montreal
Riverside Smelting and Refining Works Ltd.	639 Farm St., Cote St. Paul
Standard Metal Co. Inc.	269 Prince St., Montreal
Wall Colmonoy (Canada) Ltd.	2997 Broadway, Montreal East



Directory of Firms: Metal Rolling, Casting and Extruding, n.e.s., 1960 - Concluded

Name of firm	Location of plant
Ontario:	
Ace Castings	51 Amiens Rd., West Hill
Armalite Co. Ltd.	Crystal Arts Square, Toronto
Atlas Titanium Ltd.	Welland
Barber Die Casting Co. Ltd.	Hillyard St., Hamilton
Bernard (Canada) Ltd., H.	464 Queen St. E., Toronto
Binkley Die Castings Ltd.	175 Samuelson St., Galt
Brant Magnesium Co. Ltd.	80 Brant St., Hamilton
Canada Metal Co. Ltd., The	721 Eastern Ave., Toronto
Canadian Hanson and Van Winkle Co. Ltd.	2-4 Silver Lane, Toronto
Canadian Magnesium Products Ltd.	Concession Rd. N., Preston
Castcraft Mfg. Co.	124 Mainville Rd., Scarborough
Cohen and Co. Ltd., I.	594 Montreal St., Kingston
Cramco Alloy Sales	80 Sinnott Rd., Scarborough
Deloro Stellite—Division of Deloro Smelting and Refining Co. Ltd.	Belleville
Die Casters Co. Ltd.	2486 Dufferin St., Toronto
Dominion Die Casting Ltd.	Libby St., Wallaceburg
Dominion Magnesium Ltd.	Haley
Dominion and Monarch Type Ltd.	34 Mercer St., Toronto
Dundas Die Casters Ltd.	James St., Dundas
E & S Quality Products	Cottam
Federated Metals (Canada) Ltd.	1110 Birchmount Rd., Toronto
Gamma Foundry Co.	313 Enford Rd., Richmond Hill
General Smelting Company of Canada Ltd.	Hamilton
Grenville Castings Ltd.	Merrickville
Hewitt Metals Corporation Ltd.	1554 McDougall Ave., Windsor
Ingot Metal Co. Ltd., The	12 Vansco Rd., Toronto
J & K. Zinc Die Casting Co. Ltd.	48 Crockford Blvd., Scarborough
Kaufman Ltd., M.B.	28 Bathurst St., Toronto
Kester Solder Company of Canada Ltd.	51 Bruce St., Brantford
Lakeshore Die Castings Ltd.	Oakville
Last Minute Manufacturing Co. Ltd.	100 Wellington St. N., Thorold
Light Alloys Ltd.	Haley
McKay Smelters Ltd.	20 Charlevoix St., Eastview
Mendler Mfg. Co.	Malden Rd., Windsor
Metals and Alloys Ltd.	Wickstead Ave., Leaside
Moore Type Foundry Ltd.	431 King St. W., Toronto
Newburg Die Castings	29A Birch Ave., Toronto
Pressure Castings of Canada Ltd.	67 Main St. S., Weston
Prince and Smith Type Foundry Ltd.	113 St. Patrick St., Toronto
Ram Refined Alloys Ltd.	167 Barton St. W., Hamilton
Schultz Die Casting Co. of Canada Ltd.	77 David St., Lindsay
Standard Metal Co.	32 Sullivan St., Toronto
Usarco Ltd.	363 Wellington St. N., Hamilton
Umbridge Brass Fittings	115 McCaul St., Toronto
Wagman and Son Ltd., Z.	190 Edwin Ave. Toronto
W.M.D. Pressure Castings Ltd.	305 Bering Ave., Toronto
Manitoba:	
Bay Bronze Ltd.	1520 Wall St., Winnipeg
Canada Metal Co. Ltd., The	Winnipeg
Diecast Products Ltd.	1085 Winnipeg Ave., Winnipeg
Metal and Alloys Ltd.	645 McGee St., Winnipeg
Alberta:	
Canada Metal Co. Ltd., The	Calgary
Cascade Machine Co.	3617 Blackburn Rd., Calgary
Rona-B Lead Shot Industries	2916-11th Ave. N.W., Calgary
Siren Mfg. Co. Ltd.	3436-15th St. S.E., Calgary
British Columbia:	
Canada Metal Co. Ltd., The	Vancouver
Canadian Lead and Alloys Ltd.	5840 Douglas Rd., North Burnaby
General Metals Industries	8726 Bernard St., Vancouver
Macro-Division of Kennametal Inc.	Port Coquitlam
Metal Distributors Ltd.	1416 Franklin St., Vancouver
Stuart Die Casting Co. Ltd.	1270 Boundary Rd., Burnaby