



METAL STAMPING, PRESSING AND COATING INDUSTRY

1960

First issue. Statistics were formerly included in:

41-204 - The Aluminum Products Industry

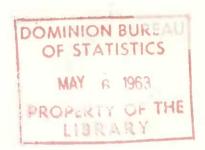
41-206 - The Brass and Copper Industry

41-213 - The Sheet Metal Products Industry

The last two titles have been discontinued.

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.

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.

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.

¹To 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 STAMPING, PRESSING AND COATING INDUSTRY 1960

Data for 1960 presented in this report 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. The present report constitutes the first in this series for the Metal Stamping. Pressing and Coating Industry. For statistical purposes the industry titled Metal Stamping, Pressing and Coating Industry in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing sheet metal products such as metal stampings for automobiles and for purposes such as bottle caps, heel caps, metal lath and metal boxes. Also included are establishments primarily engaged in manufacturing pressed metal products such as kitchen utensils, hospital and similar utensils and containers. This industry also includes establishments primarily engaged in coating metal and metal products, such as vitreous enamelware, galvanizing and electro-plating except plating with precious metals (Industry 382). It also includes establishments primarily engaged in manufacturing tin cans and other tinware, and sheet metal products such as metal awnings, heating ducts, roofing and eavestrough. Establishments primarily engaged in tinsmithing and sheet metal work on construction projects are classified in Industry No. 421 - Special Trade Contractors, Establishments primarily engaged in making enamelled bathroom fixtures such as bath tubs and basins are included in Industry No. 309 -Miscellaneous Metal Fabricating Industries.

In many instances adoption of the new Standard Industrial Classification effected a radical shifting of manufacturing establishments between industry groupings and the establishment of new industries as in the case of Metal Stamping, Pressing and Coating Industry. This latter industry in accordance with the new S.I.C. concept now comprises components of the old S.I.C. industry groups "The Aluminum Products Industry", "The Brass and

Copper Industry" and "The Sheet Metal Products 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 519 establishments classified to the Metal Stamping, Pressing and Coating Industry in 1960, there being 1 in Newfoundland, 1 in Prince Edward Island, 2 in Nova Scotia, 4 in New Brunswick, 127 in Quebec, 268 in Ontario, 33 in Manitoba, 10 in Saskatchewan, 25 in Alberta, and 48 in British Columbia. Employees in this industry numbered 20,808; salaries and wages totalled \$92,585,517; materials used in the manufacturing processes cost \$171,009,071; and factory shipments were valued at \$349,079,849.

The establishments in this industry do metal stamping, pressing and coating as their main operation. On the other hand some companies which have been classified to other industrial classes do metal stamping, pressing and coating as a secondary part of their business. Tables 1 to 4 and 16 to 21 of this report refer only to the Metal Stamping, Pressing and Coating Industry. Tables 5 to 15 represent factory shipments of specified metal stamping, pressing and coating products from all industries.

Note: In addition to the changes introduced into this industry in 1960 as a result of the adoption of the new Standard Industrial Classification there was a further change introduced in 1960. This was the inclusion of establishments primarily engaged in custom electroplating (other than plating with precious metals) and custom anodizing. Details relating to the operations of this group of establishments are not available for the years prior to 1960 and, therefore, could not be included in the recompiled figures shown in Table 1. The contribution by these firms to the overall value of shipments in 1960 amounted to \$13,065,117.

TABLE 1. Principal Statistics: Metal Stamping, Pressing and Coating Industry, 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 plant	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
	nun	ber		L	dollars	I.	
						1	
1957		100			1		
rince Edward Island		00	00.041		224 222		0.07
Tova Scotia and Yukon	6	23	60,341	4,226	204,020		397,5
Tew Brunswick	5 97	90	221, 453	19,949	1,221,571		1,888,8
Intario	178	5,222	20, 452, 175 40, 929, 773	947, 266 1, 998, 502	37, 372, 493 87, 356, 916	1	75,782,4 161,073,7
lanitoba	29	1,007	3, 447, 951	117,647	7, 208, 217		11,687,9
askatchewanlberta	9	250 394	863, 242 1, 453, 993	24,173 39,019	2,790,746 4,079,050		4,142,5 6,811,8
British Columbia	33	820	3,750,585	149,337	13,255,234		21, 288, 9
Canada	375	18,071	71, 179, 513	3,300,119	153, 488, 247		283, 073, 9
1958							
Tince Edward Island	5	19	39,747	2,754	170,803		302,5
few Brunswick	5	96	283,723	28, 266	1,768,776		2,474,6
ntario	105	5,041 9,878	20, 458, 238 41, 952, 520	983,200 1,982,565	40, 180, 423 92, 440, 357		83,120,7 173,341,0
lanitoba	32	931	3, 387, 575	120,208	6,152,528		11,611,5
askatchewanlberta	7 18	241 402	832,093 1,410,755	38,138 38,984	2,771,553 4,294,235		4,567,2 7,534,8
British Columbia	36	873	4, 242, 287	148,936	13, 149, 876		22,907,2
Canada	398	17,481	72,606,938	3, 343, 051	160, 928, 551		305, 859, 8
1959							
Prince Edward Island	1						
lewfoundland	6	26	66,923	4,571	230, 023		358, 8
Iova ScotiaIow Brunswick	7	123	351,757	29, 204	1,736,275		2,679,8
Quebec	104	5,067	22, 273, 112 47, 150, 259	947, 452 2, 163, 297	45, 437, 563	1	92,475,3 183,518,5
fanitoba	33	1, 131	4,200,203	135, 194	7,422,185		15, 003, 9
askatchewanlberta	7 18	260 399	984, 314 1, 645, 484	30,458 49,260	3,308,836 4,845,660		5,593,2 7,999,2
British Columbia	35	854	4, 302, 264	155,735	12, 898, 275		22, 638, 1
Canada	397	18, 270	80, 974, 316	3, 515, 171	178, 071, 953		330, 267, 1
1960²			1				
rince Edward Island	1						
lewfoundland	4	18	40, 164	3,728	244,212	182,748	447,8
	4	100	287,627	25,512	2,167,180	545, 630	2,718,2
lova Scotia		5,667	23, 797, 545	1,091,066	43,692,933	47,900,383	93,165,3
Tova Scotia Tew Brunswick Quebec	127	10 000		2,756,732	96, 026, 405	100, 389, 759	199, 219, 5
lova Scotia	127 268 33	12,021	55, 444, 278 4, 214, 244		7, 763, 585	7,315.038	15.412.4
Vova Scotia Vew Brunswick Quebec Ontario Vanitoba Vaskatchewan	268 33 10	1,093 348	4,214,244 1,298,353	149,174 35,515	7,763,585 3,176,347	7,315,038	15,412,4 5,433,7
Vova Scotia Vew Brunswick Quebec Ontario Manitoba	268 33	1,093	4, 214, 244	149,174	7,763,585 3,176,347 5,354,616 12,583,793		

¹ The changeover to the new classification has delayed the recompilation of "value added" figures for years prior to 1960 and same will not be available until the next issue of this report.

² See note to text.

TABLE 2. Inventories: 1 Metal Stamping, Pressing and Coating Industry 1960

Province	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
		dol	lars	
Opening:				
Nova Scotia, Prince Edward Island and Newfoundland	12,072	72, 514	16,939	101,525
New Brunswick	67,327	155,207	123,171	345,705
Quebec	7,748,669	3,400,575	5,225,880	16,375,124
Ontario	17,945,491	6,413,569	10,428,554	34,787,614
Manitoba	1,696,978	561,139	576,842	2,834,959
Saskatchewan	897,071	191,320	258,195	1,346,586
Alberta	880,870	360,887	432,735	1,674,492
British Columbia	2,585,820	1,767,190	1,476,488	5,829,498
Canada	31,834,298	12,922,401	18,538,804	63, 295, 503
Closing:				
Nova Scotia, Prince Edward Island and Newfoundland	11,737	46,903	25,376	84,016
New Brunswick	99, 228	102,065	196,356	397,649
Quebec	7,408,467	2,735,545	5,409,940	15,553,952
Ontario	14,465,332	6,571,191	10,224,290	31,260,813
Manitoba	1,434,856	420,371	532,981	2,388,208
Saskatchewan	623,281	90,470	325,992	1,039,743
Alberta	875,901	398,600	399,844	1,674,345
British Columbia	2,189,810	2,137,502	1,825,648	6,152,960
Canada	27, 108, 612	12, 502, 647	18,940,427	58, 551, 686

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

TABLE 3. Factory Shipments: Metal Stamping, Pressing and Coating Industry, 1960

Product	Quantity	Value of factory shipments
		\$
Barrels and drums, steel: Repeat shippers One-time shippers	62,184 1,025,629	552,580 4,406,594
Bottle caps - metal		15,924,015
Cans, metal (food and non-food)	* *	108,520,287
Culvert pipe ton	50,777	16,119,331
Dairy supplies: Cream and milk cans Other		646,062 259,093
Galvanized ware (pails, washtubs, etc; but not garbage and ash cans)	• •	1,217,691
Garbage and ash cans	* *	1,753,634
Hardware and tools		2,498,180
Heating Equipment: Pipe and elbows (furnace and stove) Range boilers Tank heaters for domestic water supply Other heating equipment	122,733 69,438	5,179,605 2,122,379 3,824,909 878,594
Kitchen equipment for cafeterias, restaurants, etc.		11,072,302
Kitchenware, household (vitreous, enamelled aluminium and stainless steel)		7,259,117

See note at end of table.

TABLE 3. Factory Shipments: Metal Stamping, Pressing and Coating Industry, 1960 - Concluded

Product	Quantity	Value of factory shipments
		\$
Waple syrup equipment: Evaporators (complete sets of pans)		135, 383
Furnaces		74,675
Other		192,306
Poultry supplies (incubators, brooders, etc.)	• •	139,907
Signs metal (including enamelled signs)		1,367,154
pinnings, all metals (N.E.S)		341,742
tampings, all metals (N.E.S)	• •	14,904,196
teel office furniture		146, 677
anks:		
Pressure and vacuum	• •	1, 157, 551 5, 147, 878
Other		3, 639, 614
Cinware, japanned or not		2,559,703
rchitectural and omamental metal work		441,481
letal door frames		1, 162, 742
looring, open steel		2, 159, 617
ockers and shelving	4 4	2,888,745
letal lath and comer bead		3, 204, 023
fetal mouldings and trim		119,277
Partitions, aluminum and steel		1,957,809
Roof deck		4,465,209
Roof drainage equipment:		
Aluminum Steel	9 E	294,147 2,608,611
Other		259,399
heets, roofing and siding:		
Aluminum Steel	e 6	6, 131, 054 6, 995, 845
entilators, including ducts		4,230,980
	• •	
Vindows, excluding combination storm and screen	* *	324, 572
/indows, other (combination storm and screen)		2,511,413
Prefabricated or portable metal buildings, complete units (in sections or panels) and prefabricated exterior metal panels (curtain wall sandwich panels and single		-1111
faced panels)	* a	4,924,525
anels, parts or sections for prefabricated buildings, not sold as a complete unit		16,710
mount received for custom work and repairs		3, 621, 581
amount received for custom anodizing	0 + 4	1,128,443
mount received for custom electroplating		11, 936, 674
mount received for custom enamelling		1,584,741
amount received for custom galvanizing		673,712
all other products		73,397,380
Total		349,079,849

Note: Data given in this table are for the Metal Stamping, Pressing and Coating Industry only and represent only the production of the firms classified to this industry. For total Canadian output of selected items see Tables 5-15.

TABLE 4. Materials Used: Metal Stamping Pressing and Coating Industry, 1960

Material		Quantity	Cost at plant
			\$
(ron and steel:			
Bars	ton	8, 041	1, 458, 154
Plates	4.4	17, 226	2,701,268
Sheets:			
Black		147, 290	23, 182, 471
Galvanized	44	142, 118	26,688,084
Tin plate	6.6	250, 181	47, 828, 016
Strip	6.6	13,717	2,339,102
Structural shapes	4.4	6,336	1,072,016
Wire	6.6	2,921	555,009
Pipe, tubes and fittings			540,623
Alloy steel in all forms:			
Carbon and alloy steel, including tool steel:			
Billets, bars and rods			152, 166
Other shapes			439, 665
Stainless:			
Billets, bars and rods			135,309
Sheets			4,598,698
Other shapes		4 *	711, 268
Other iron and steel		. •	1,943,255
No foregraphic			
Non-ferrous metals:			
Alaminum:	m a sem d	105 000	01 500
Castings	pound	137, 238	81,522
Sheet	8.4	20,584,531	7, 703, 283
Other forms	24	12,855,267	4, 550, 05
Brass and bronze		1,757,461	818, 511
Copper:	44	000 201	520 645
Sheet	44	902, 301	530, 647
	**	34, 930	19,539
Other	44	327, 980	168, 178
Lead	**	933,807	108, 15
Nickel	44	459,551	482, 088
Tin	- 4	195, 904	215, 540
Zinc	4.6	9,075,341	1, 250, 07
Solders		1,873,109	463,593
Other non-ferrous metals			145, 453
Other materials:			
Lumber	M ft. b.m.	5,146	498,072
Frit for enamelling	pound	2,578,465	461,566
Muriatic acid	4.4	1,014,086	42,612
Paints, oils and varnishes			3,829,80
Cork discs			1,341,84
Ammonium chloride	pound	312, 992	31,85
Sulphuric acid, 100%	P 6	2,322,977	51,54
Containers and packing materials			4, 201, 589
All other materials ¹			29, 668, 448
Total			171,009,071

¹ In 1960 no detailed information on materials used was collected from firms generally reporting value of shipments of less than \$100,000. The total value of materials used by these firms was \$3,453,399 and this amount is included in "All other materials".

TABLE 5. Factory Shipments of Metal Cans, 1952-60 (from All Industries)

Year	Selling value at plant	Year	Selling value at plant
	\$		\$
952	78, 943, 000	1957	97, 521, 000
953	74, 309, 000	1958	107, 125, 000
954	77, 842, 000	1959	114, 098, 000
955	88, 559, 000	1960	108, 520, 000
1956	90, 188, 000		

TABLE 6. Factory Shipments of Steel Barrels and Drums, 1952-60 (from All Industries)

	Repeat s	Repeat shippers One-time		
Year	Number	Selling value at plant	Number	Selling value at plant
		\$		\$
1952	59, 759	666, 240	679, 886	2,668,789
1953	55, 099	528, 885	852, 205	2, 715, 185
1954	39, 484	392, 788	816,596	2, 570, 998
1955	123, 530	909, 119	1,019,297	3, 199, 540
1956	160, 753	1, 353, 066	1, 269, 304	3, 568, 836
19572	87, 633	844, 250	1, 104, 869	3, 984, 077
1958	51, 504	523, 708	1, 112, 810	4, 409, 680
1959	38,000	381,700	1,449,689	5, 505, 799
1960	87, 174	730, 027	1, 040, 164	4, 487, 659

TABLE 7. Factory Shipments of Domestic Range Boilers, 1952-60 (from All Industries)

	Galva	anized¹	Copper, everdur and monel		Т	Total	
Year	Number	Selling value at plant	Number	Selling value at plant	Number	Selling value at plant	
		\$		\$		\$	
1952	161, 325	2, 331, 788	5, 963	329, 499	167, 288	2, 661, 287	
1953	164, 531	2,611,228	8,962	484, 960	173, 493	3, 096, 188	
1954	185,670	2,680,068	10,891	619, 791	196, 561	3, 299, 859	
1955	217,694	2, 818, 783	14, 278	681, 278	231,972	3, 500, 062	
1956	165, 253	2, 598, 180	8, 773	549, 328	174,026	3, 147, 508	
1957	136, 223	2, 191, 682	8, 502	487, 018	144, 725	2, 678, 700	
1958	164, 946	2, 495, 190	19,776	699, 639	184,722	3, 194, 829	
1959	142,948	2, 264, 119	15, 732	519, 642	158,680	2, 783, 761	
1960	115, 413	1,811,485	36, 714	978, 397	152, 127	2, 789, 882	

¹ Includes some black steel type.

¹ Not including drums made by some companies for their own use only.
² Starting with 1957 Steel barrels and drums were defined as being over 10 Imperial gallons capacity. Repeat shippers were defined as being made of 16 gauge material or heavier while one-time shippers were defined as being made of 18-24 gauge material, but including 28 gauge asphalt drums. Data prior to 1957 were not so defined and, as a result, are not strictly comparable with later years.

TABLE 8. Factory Shipments of Metal Lath and Corner Bead, 1952-60 (from All Industries)

Year	Selling value at plant	Year	Selling value at plant
	\$		\$
1952	2, 880, 000	1957	4, 136, 000
1953	2, 667, 000	1958	4,691,000
1954	3, 414, 000	1959	4, 450, 000
1955	3, 664, 000	1960	3,963,000
1956	4, 299, 000		

TABLE 9. Factory Shipments of Metal Bottle Caps, 1952-60 (from All Industries)

Year	Selling value at plant	Year	Selling value at plant
	\$		\$
1952	10, 964, 000	1957	13,990,000
1953	11,937,000	1958	14, 491, 000
954	11, 134, 000	1959	15, 700, 000
1955	12, 172, 000	1960	15, 924, 000
1956	13, 130, 000		

TABLE 10. Factory Shipments of Sheet Metal Culvert Pipe, 1952 - 60 (from All Industries)

Year	Quantity	Selling value at plant	Year	Quantity	Selling value at plant
		\$			\$
1952	27, 987	9,492,000	1957	56,100	18,786,000
1953	30,348	10,048,000	1958	59,600	19,634,000
1954	34,700	11,205,000	1959	66,300	21,296,000
1955	46,600	14,526,000	1960	54,720	17,314,000
1956	57,800	19, 188, 000			

TABLE 11. Factory Shipments of Roof Drainage Equipment, 1952-60 (from All Industries)

Year	Selling value at plant	Year	Selling value at plant
	\$		\$
952	1,857,000	1957	2,694,000
953	2, 209, 000	1958	2,957,000
954	2, 537, 000	1959	2,704,000
955	3, 426, 000	1960	3, 162, 000
956	3, 485, 000		

TABLE 12. Factory Shipments of Enamelled, Aluminum and Stainless Steel Kitchenware, 1952-60 (from All Industries)

Wasa	Selling value at plant					Selling value at plant		
Year	Vitreous- enamelled	Aluminum	Stainless steel	Year		Vitreous- enamelled	Aluminum	Stainless steel
		dollars					dollars	
1952	1, 137, 000	8, 142, 000		1957	*****************	1, 265, 000	6,802,000	1, 964, 000
1953	1,299,000	8, 187, 000	1	1958	1010101011011010101010101010101010101010	758,000	7, 293, 000	2,388,000
1954	1,536,000	7,976,000		1959		836,000	6, 409, 000	2,029,000
1955	1, 188, 000	6,831,000	1,413,000	1960		790,000	5,707,000	1,675,000
1956	1,374,000	6, 263, 000	1,666,000					

¹ Not available prior to 1955.

TABLE 13. Factory Shipments of Galvanized Sheets, 1952-60 (from All Industries)

Year	Tonnage sold	Selling value at plant	Year	Tonnage sold	Selling value at plant
		\$			\$
1952	110, 888	18, 193, 989	1957	170, 000 ¹	28, 893, 000
1953	105,980	17, 470, 592	1958	192, 000 ¹	32,636,000
1954	101,000	16,526,000	1959	298,951 ¹	51, 265, 000
1955	156, 000 ¹	25, 426, 000	1960	275, 000 ¹	46, 710, 000
1956	206, 000 ¹	34, 194, 000			

Does not include approximately 2,000 tons of galvanized sheet further processed into "Roofing" in 1955; approximately 3,000 tons in 1956; approximately 3,000 tons in 1956; approximately 5,000 tons in 1958; approximately 5,400 tons in 1959; and approximately 6,000 tons in 1960.

TABLE 14. Factory Shipments of Stove and Furnace Pipe, 1952-60 (from All Industries)

Year	Selling value at plant	Year	Selling value at plant
	\$		\$
1952	2,337,000	1957	3,812,000
953	2, 231, 000	1958	3,970,000
954	2,318,000	1959	5,063,000
955	2, 279, 000	1960	5, 179, 000
1956	3, 228, 000		

TABLE 15. Factory Shipments of Aluminum and Steel Roofing and Siding, 1956-60 (from All Industries)

Year	Value of factory shipments		
1 Gai	Aluminum	Steel	
	dol	lars	
956	4, 522, 000	4, 992, 000	
957	4,406,000	4,303,000	
958	5,978,000	5,751,000	
959	6,603,000	6,779,000	
960	7, 782, 000	7, 275, 000	

TABLE 16. Principal Statistics classified according to Type of Ownership: Metal Stamping,
Pressing and Coating Industry, 1957 and 1960

Туре	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	nun	ber		dollars	
1957				W	
Individual ownership	66	294	821, 295	1, 273, 993	2,882,802
Partnerships	25	196	593,063	1,013,214	2, 437, 040
Incorporated companies	284	17,581	69, 765, 155	151, 201, 040	277, 754, 10
Totals	375	18,071	71, 179, 513	153, 488, 247	283,073,949
1960					
Individual ownership	90	488	1,549,882	2,254,030	5,225,52
Partnerships	44	394	1,381,161	904,826	2, 984, 22
Incorporated companies	385	19,926	89,654,474	167,850,215	340,870,10
Totals	519	20,808	92, 585, 517	171,009,071	349, 079, 84

TABLE 17. Principal Statistics grouped according to Selling Value of Factory Shipments: Metal Stamping, Pressing and Coating Industry, 1957 and 1960

Establishments reporting value of factory shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	nun	ber		dollars	
1957	1				
Under \$10,000	12	11	20,310	19,492	60, 168
\$ 10,000 to \$ 24,999	33	95	222,071	201, 280	577, 702
25,000 '' 49,999	44	196	516, 253	603,414	1,643,887
50,000 '' 99,999	59	516	1,592,249	1,855,143	4, 273, 204
100,000 '' 199,999	50	742	2, 373, 745	3,312,289	7,354,244
200,000 '' 499,999	92	2,480	8,978,403	14,016,258	29,911,832
500,000 '' 999,999	29	1,626	5,667,565	9,034,221	19,141,068
1,000,000 ' 4,999,999	42	5,994	22, 180, 220	45, 564, 881	88,038,464
5,000,000 and over	14	6,411	29,628,697	78, 881, 269	132,073,380
Totals	375	18,071	71, 179, 513	153, 488, 247	283, 073, 949
1960					
Under \$10,000	24	36	64, 212	49,902	148, 217
\$ 10,000 to \$ 24,999	54	164	419,947	356, 458	978, 280
25,000 " 49,999	63	313	957, 158	805,021	2, 253, 451
50,000 '' 99,999	70	589	1,994,366	1,873,231	5, 126, 238
100,000 '' 199,999	79	1,156	4,068,391	4, 237, 048	11, 134, 100
200,000 '' 499,999	113	3, 278	12,837,521	15,801,748	37, 226, 158
500,000 '' 999,999	49	2,281	9,084,244	16,610,419	34,022,799
1,000,000 " 4,999,999	54	7, 252	29, 498, 468	65,918,440	121, 495, 966
5,000,000 and over	13	5,630	32,023,251	65, 356, 804	136, 694, 640
Head office		109	1,637,959		
Totals	519	20, 808	92, 585, 517	171,009,071	349, 079, 849

TABLE 18. Employees and their Earnings: Metal Stamping, Coating and Pressing Industry, 1959 and 1960

			Employee	es		Earnings		
Province		visory office		uction rkers	Total	Supervisory	Production	Total
	Male	Female	Male	Female		and office	workers	
			number				dollars	
1959			1	1				
Prince Edward Island Nova Scotia Newfoundland	} 7	1	18	_	26	26, 353	40,570	66,923
New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	23 712 1,783 239 54 101 169	5 223 826 71 16 25 53	93 3,739 6,681 811 190 267 590	393 1, 120 10 - 6 42	123 5,067 10,410 1,131 260 399 854	93,166 5,138,622 14,533,864 1,436,266 263,639 563,640 1,226,767	258,591 17,134,490 32,616,395 2,763,937 720,675 1,081,844 3,075,497	351,757 22,273,112 47,150,259 4,200,203 984,314 1,645,484 4,302,264
Сапада	3, 088	1, 220	12,389	1,573	18, 270	23, 282, 317	57, 691, 999	80, 974, 316
1960								
Prince Edward Island Nova Scotia	} 3	2	13	_	18	12,827	27,337	40, 164
Newfoundland New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Columbia	926 2,024 223 69 125 207	2 278 901 74 16 33 64	91 4,072 7,785 786 261 336 742	391 1,311 10 2 8 46	100 5,667 12,021 1,093 348 502 1,059	37,793 6,016,786 17,307,145 1,388,244 361,032 684,492 1,575,375	249,834 17,780,759 38,137,133 2,826,000 937,321 1,297,918 3,945,521	287,627 23,797,545 55,444,278 4,214,244 1,298,353 1,982,410 5,520,896
Canada	3, 584	1,370	14, 086	1,768	20,808	27, 383, 694	65, 201, 823	92, 585, 517

TABLE 19. Production Workers, by Months, 1960

Month	Establishment monthly d		Establishments reporting quarterly detail ²	
A STATE OF THE PARTY OF THE PAR	Male	Female	Male	Female
		numb	er	
January February March April May June July August September October November December	11, 679 11, 766 11, 971 12, 353 12, 805 12, 934 12, 984 13, 144 12, 750 12, 345 11, 946 11, 044	1, 465 1, 545 1, 598 1, 584 1, 613 1, 667 1, 595 1, 612 1, 586 1, 581 1, 482 1, 450	1, 171 1, 201 1, 207 1, 149	149
Average for establishments reporting monthly detail			12,310	1, 565
Average for establishments reporting quarterly detail.	1, 182	148		
Average estimated for small establishments ³			569	42
Average for all establishments	**********************		14,061	1.755

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

² The number of production workers, by quarters, was collected only for establishments generally reporting value of

shipments between \$100,000 and \$300,000.

For establishments generally reporting value of shipments of less than \$100,000, 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 20. Fuel and Electricity Used, Metal Stamping, Pressing and Coating Industry, 1960

Kind		Quantity	Cost at plant
Establishments reporting commodity detail: Bituminous coal: (a) From Canadian mines (b) Imported Anthracite coal Coke Gasoline (including gasoline used in cars and trucks) Fuel oil including kerosene or coal oil Wood Gas:	709 18, 352 1, 031 317 983, 185 5, 370, 595 158	\$ 10, 286 228, 601 15, 464 6, 984 390, 909 654, 607 1, 042	
(a) Liquefied petroleum gases (b) Other manufactured gas (c) Natural gas Other fuel Electricity purchased Steam purchased	M cu. ft.	199, 874 200 961, 343 133, 515, 766	39, 294 200 882, 266 10, 421 1, 617, 667 63, 934
Establishments reporting group detail: Cost of fuel Cost of electricity Estimate for establishments for which no data were collected:		•••	129, 534 131, 314
Cost of fuel and electricity		4 0 0	154, 866
All establishments: Total cost of fuel and electricity			4, 337, 789

TABLE 21. Imports of Specified Metal Stamping, Pressing and Coating Products, 1959 and 1960

	Val	ue
Item	1959	1960
	doll	ars
Corrugated metal culvert pipe Containers, tinplate for sealing of food products Containers, tinplate, n.o.p. Holloware, of iron and steel, coated with vitreous enamel Holloware, of iron or steel, coated or not, n.o.p. Kitchen and dairy hollow-ware, of iron or steel, coated with tin, including cans for shipping milk or cream, not painted, japanned or decorated Manufacturers of timplate, painted japanned, decorated or not, and manufactures	337, 440 3, 522, 629 3, 237, 091 328, 657 3, 554, 664 224, 735	247, 253 2, 486, 568 3, 354, 915 346, 854 3, 466, 498 145, 568
of tin, n.o.p. Galvanized range boilers Drums, cylinders, barrels and tanks n.o.p. Aluminum kitchen or household hollow-ware, n.o.p. Nickel and nickel-plated ware, n.o.p.	3, 799, 883 132, 647 2, 749, 102 1, 501, 440 2, 025, 501	3, 548, 605 23, 732 2, 629, 020 1, 513, 829 1, 647, 803

TABLE 22. Exports of Specified Metal Stamping, Pressing and Coating Products, 1959 and 1960

Y4	Value		
Item	1959	1960	
	dollars		
Enamelware of iron and steel Kitchen hollow-ware of iron and steel Tinware Drums and cylinders of iron and steel Shingles, laths and corrugated roofing, metallic Aluminum kitchen utensils and hollow-ware Plated ware n.o.p.	103, 472 116, 953 82, 647 316, 341 178, 954 29, 286 21, 492	15, 345 63, 150 112, 963 83, 104 49, 733 38, 519 22, 154	

¹ Establishments generally reporting value of shipments of \$300,000 and over.
² Establishments generally reporting value of shipments between \$100,000 and \$300,000.
³ Establishments generally reporting value of shipments of less than \$100,000.

Directory of Firms: Metal Stamping, Pressing and Coating Industry, 1960

Name of firm	Location of plant
Newfoundland:	
Armco Drainage & Metal Products of Canada, Ltd.	Bishop's Falls
Prince Edward Island:	
Charlottetown Metal Products Ltd.	
No. of the second secon	
Nova Scotia: Gypsum Accessories Limited	
New Brunswick:	
Armco Drainage & Metal Products	Sackville
*Connors Brothers Limited Leger Metal Workers Ltd. McDade, James	
Quebec:	
Accessories Manufacturers Limited Acme Plating Ltd. Alanco Limited	246 St. Jean, Longueuil 550 Davidson St., Montreal 4 622 Lagauchetière St. W., Montreal 3 1111 D'Argenson, Montreal 2065 Jeanne D'Arc St., Montreal 1322 Harricana St., Val D'Or Charny 2165 Demontigny St. E., Montreal 90 Mozart W., Montreal 2966 Mackay St., Laffèche 95 Léonidas, Rimouski 455 lière Ave., Québec 3 32 Mercier, Iberville 400 Laurentian Blvd., Ville St. Laurent 362 Côte des Perron, Ville d'Authier 226 De La Madone, Mont Laurier 3831 Dicken Ave., Ville St. Michei 4255 Hogan St., Montreal 1397 Torrance, Montreal 400 Minto St., Sherbrooke 695 Dollard St., Ville Lasalle 105 Port Royal, Montreai 127 King St., Montreal 1166-58 Papineau St., Montreal 1176-58 Papineau St., Montreal 1166-58 Papineau St., Montreal 1176-58 Papineau St., Laurent 3455 Côte-de-Liesse, St. Laurent 553 Léon Harmel, Granby 10000 Meilleur St., Montreal 1575 Taschereau Blvd., Ville Jacques Cartier 180 Victoria St., Lachine 1630 de Lorimier St., Montreal 125 River St., Verdun 5035 Ontario St. E., Montreal 907 Cartier St., Verdun 5035 Ontario St. E., Montreal 10705 Leduc Blvd., Rivière-Des-Prairies 2140 Theodore St., Montreal 150 'Argenson St., Quebec 7733 - 18th Ave., St. Michel, Montreal 4021 A Cool St., Montreal
General Steel Wares Limited Gero Ltd. Hamel & Guertin Limited	7701 - 17th Ave., Ville St. Michel
Hardt, J., Mfg. Inc. Hochelago Metal Fabricators Inc.	560 - 19 Ave., Lachine
Hotel & Restaurant Sheet Metal Works Inc. Huli Ottawa Plating Ltd.	316 Youville Square, Montreal 6 Morin, Hull
Hunter Douglas Ltd. Industrial Containers Ltd.	9500 St. Lawrence Blvd., Montreal 14 2069 Pigeon St., Ville LaSalle
Industrial Containers Limited	
International Cooperage Co. of Canada Ltd. Julien, Léo, T., Inc.	Buckingham St. Malo
Kitchen Specialities Inc. Labelle Kitchen Equipment Company Limited.	2195 Ekers Ave., Town of Mount Royal 2177 St. Catherine St. E., Montreal
Laurentide Metal Stamping Ltd. Laval Sheet Metal Works	St. Martin
Le François, S. & Fils Enrg. L'Hoir Inc.	

^{*} Tin can manufacturers mostly.

Name of firm	Location of plant
Quebec - Concluded:	
Léon Glass Ltd.	2100 Remembrance Rd., Lachine
Lessnik Roofing & Sheet Metal Works	4117 St. Lawrence Blvd., Montreal 18
Limoges, Jean-Paul Lite, A.R. Manufacturing Co.	974 rue St. Antoine, St. Laurent 1300 Valleyfieid Ave., St-Vincent-de-Paul
Loval Industries	5661 Delanaudière, Montreal
Lunn, G.J., Mfg. Co. Ltd.	
	5010 St. Patrick St., Montreal 20
MacDonald Drums Mfg. Corporation	23 Du Moulin, Ville St. Pierre
MacQueen, Donald, Co. Ltd.	
Metalite Company Limited	527 Bivd. St. Laurent, Cap-de-la-Madeleine
McGruer, Fortier & Meyers, Limited	
Modern Metal Industries	2843 Gilford, Montreal 36
Modern Plating	
Montreel Cadmium Plating Co.	987 Coté St., Montreal
Montreal Roofing Co.	2125 St. Catherine St. E., Montreal
North American Food Eqpt. Mfg. Ltd.	5836 St. Lawrence St., Montreal
Otterburn Sheet Metal Industries	490 Richelieu, St. Hilaire
Paterson, Wm. & Co. Inc.	
Plating Industries Ltd.	3155 - 36th Ave., Ville St. Michel
Piumbing & Stainless Steel Works Ltd.	2251 Wurtele St., Montreal
Politier, J.M. Inc.	
Precision Sheet Metal & Rooting Reg d	1301 Est Rue Demontigny, Montreal 24
Prévost, A. & D.	305 - 12e Ave., Richelieu
Produits De Metal Moderne	
R.L. Metal Life	7956 - 15ième Ave., Ville St. Michel
Riverin, S.O., & Cie Ltée	
Robitable & Frere Enrg.	1035 Rue Panneton, Sherbrooke
Posco Metal & Roofing Products Ltd.	355 Guy Street, Montreal
Roy Metal Works Ltd.	
St. John Metal Stamping & Spinning Reg'd.	St. Jean
St. Paul Plating	
Savard, Jean Inc.	1067 Amherst, Montreal 24
Saxe Bros. Inc.	
*Standard Brands Ltd.	31 Airlie Avenue, LaSalle
Talarico Limited	
Talbot Metal	
Tripar Stamping & Mfg. Co. Inc.	11300 - 6th St., Rivières Des Prairies
Unic Steel Products Ltd.	72 Ougen St Lepnorville
Union Screen Place Co. of Canada Ltd.	
Verdun Anodizing Reg'd.	3977 Ave. Verdun, Verdun
Vic Aluminum Ware Ltd.	
Victoria Metallic Co. Ltd.	230 Windsor St., Montreal
Warmai Sheet Metals Inc.	
Loyal Industries	3033 Velagii Hive., Velagii
Abramovitz, Louis	
Academ Platers Ltd	
Acme Electro Plating Co. Ltd.	78 Duchess, Toronto 2
Acme Steel Co.	
Air Shade Aluminum Awnings Ltd.	Napanee, R. 1
Alax Precision Mfg. Co. Ltd.	390 Weston Rd., Toronto 9
Aladdin Industries (Canada) Ltd.	
Alloy Platers Ltd.	1777 Weston Rd., Weston
Alloy & Steel Fabricators of Canada Ltd.	169 Bartley Drive, Toronto
Aluminum Goods Limited	158 Sterling Rd., Toronto 3
Amalgamated Plating Co.	2464 Dufferin, Toronto
American Can Company of Canada Ltd.	Emerald & Shaw Sts., Hamilton
* American Can Company of Canada Ltd.	Robinson and Metcalfe Streets, Simcoe
American Electro Platers	386 Bering Ave., Toronto 18 307½ King St. W., Chatham
A. & M. Mfg. Anchor Cap and Closure Corp. of Canada, Limited	275 Wallace Avenue, Toronto 9
anchor Metal Products	121 Logan Ave., Toronto
Anderson Mfg. Co.	
Angel Metal Mig.	

[•] Tin can manufacturers mostly.

Name of firm	Location of plant
Ontario - Continued:	
Arlington Mfg. Co.	945 Weston Rd., Toronto
Armco Drainage & Metal Products of Canada, Ltd.	41 George St., Guelph
Artistic Aluminum Co. Ltd.	709 Main St. W., Hamilton
Automatic Metal Stamping	34 Chauncey St., Toronto 18 75 Oak Ave., Hamilton
Barco Metal Products Ltd.	883 Dundas St. E., Toronto
Beach Industries Ltd.	30 Victoria Ave., Smiths Fails
Beadex of Canada Ltd	Brantford 26 Cranfield Rd., Toronto 16
Beileville Platers	28 Campbell St., Belleville
Bendal Machine Co. Ltd.	99 Kennedy Rd. S., Brampton
Bevel Stamping Co. Ltd. B. & H. Plating Co.	19 Jutland Ave., Etobicoke 930 Gerrard St. E., Toronto 8
Biair Metal Products	460 Industrial Ave., Woodstock
The Blouse Shank Company	R.R. 2 Breslau
*Borden Co. Ltd. Brantford Mechanical Devices Ltd.	Ingersoll
Brantford Soda Fountain Co.	94 Grey St., Brantford 248 Colbourne St. W., Brantford
Bri-Cad Electro Piaters Ltd.	253 Gerrard St. E., Toronto 2
Bristol Cadmium Plating Co. Ltd.	43 Advance Rd., Toronto 18
Broome, J. Ward Ltd. Broome Porcelain Co.	2431 Weston Rd., Weston 786 Dundas Hwy, E., Dixie
Bruce Pressed Steel Products Ltd.	31 Britain St., Toronto 2
Brunt Mfg. Co. Ltd.	462 Bathurst St., Toronto
Buckley's Sheet Metal Mfg. Ltd. Burford Sheet Metal	5 Granger Ave., Scarborough 23 King St. E., Burford
Butler Metals Ltd.	400 Guelph St., Preston
Cametold Limited	Ajax
Canada Culvert Co. Ltd.	Osler St., London
Canadian Business Machines Ltd. Canadian Calendar Metal Company	5495 Dundas St. W., Islington 333 Bering Ave., Toronto 18
*Canadian Canners Ltd.	Walkers Line, Burlington
Canadian Fanner Ltd,	50 Frid St., Hamilton
Canadian Permacote Co. Canadian Rogers Eastern Ltd.	729 Caron, Windsor 108 Vine Ave., Toronto
Canadian Steel Strapping Co. Ltd.	15 Ridgetop Rd., Scarborough
Canadian Thermos Products Ltd.	2040 Eglinton Ave. E., Toronto 13
Canadylet-Closures	Barrie 61 Milne Ave., Toronto
Carrière, Fred, & Son	245 Bradley Ave., Eastview
Carson, R.H. & Son Mfg.	Gorrie
Central Plating	35 West St. S., Orillia
Century Engineering Co	7 Wabash Ave., Toronto 3 98 Richmond St. E., Toronto
Chatham Plating	Whitehall St., Chatham
Clark, John W., Ltd. Clifel Inc. D.B.A.	370 Olivewood Rd., Toronto 18 122 Judge Rd., Islington
Climax Plating	1742 Victoria Park, Toronto
Coleman Metal Products	14 Sable St., Toronto 15
Coilins Never Fail Products, Limited Columbia Metal Rolling Mills Ltd.	161 Rebecca St., Hamilton
Colville Platers Ltd.	60 Enterprise Rd., Rexdale 43 Colville Rd., Toronto 15
Commando Chrome Piating Co. Ltd.	53 St. Julien, London
Condor Manufacturing Company	1406 Kingston Rd., Scarborough
Contant Metal Spinning Co. *Continental Can Co. of Canada, Limited	3565 Dundas St. W., Toronto 9 3rd and Birmingham Sts., New Toronto
*Continental Can Co. of Canada, Ltd.	401 Richmond St. W., Toronto
Continue-Flo Heating Products Ltd.	507 James St., Hamilton
Cornell Engineering Company Limited Cornell Plating Co. Ltd.	47 Atomic Ave., Toronto 154 York St., Hamilton
Cotrugated Pipe Co.	182 Perth St., Stratford
Court Galvanizing Ltd.	136 Dawson Rd., Guelph
Crown Cork & Seal Company, Limited Daie, John, (Canada) Ltd.	320 Carlaw Ave., Toronto 8 95 Sterling Rd., Toronto
Day Co. of Canada Ltd.	15 Byron Dr., Toronto Copeland St., Leaside
Dillon, W.E., Company Limited	Copeland St., Leaside
Dr. Ballard's Animal Foods Ltd. Dominion Al-Chrome Corp.	121 Liberty St. E., Toronto 54 Carnforth Rd., Toronto 16
Dominion Electroplating	297 William St., Midland
Dovercourt Electro-Plating Co. Ltd. Dow, Thomas Electroplating Ltd.	2482 Dufferin St., Toronto 19 327 N. Vickers St., Ft. William
Dundas Sheet Metal Work Ltd.	459 College St., Toronto
Dura-Chrome Ltd.	110 Water St., Wallaceburg
Duro Aluminum Ltd.	281 Birch Ave., Hamilton
Duro Metalware, Limited	281 Birch Ave., Hamilton 777 Laurel St., Preston
East Side Plating Co. Ltd.	Tecumseh Rd. E., Windsor
Ekco Products Co. (Canada) Ltd.	376 Birchmount Rd., Toronto 13
Eian Tool & Die Ltd. Elgee Products Ltd.	381 Park Ave. W., Chatham 410 Hopewell Ave., Toronto 10
El-Mech Tools Ltd.	569 Southworth St. S., Welland
El-Met Parts Ltd.	55 Head St., Dundas
Embro Welding & Steel Fabrication	John St., Embro 62 Industry St., Toronto 15
Erno Mfg. Co. Ltd.	384 Dawes Rd., Toronto 16
Essex Metal Industries Ltd.	1151 Tecumseh Rd., Windsor
Etmeco Limited Everingham Bros. Ltd.	370 Munster Ave., Toronto 18 63-67 Advance Rd., Toronto 18
Fabricated Steel Products (Windsor) Ltd.	1537 Mercer St., Windsor

[•] Tin can manufacturers mostly.

Name of firm Location of plant Ontario - Continued: Formalum Ltd. 94 Bruce St., Oshawa Formalum Ltd. Frost Metal Products Ltd. General Equipment Corp. Ltd. General Steel Wares, Limited Glosta Mfg. Co. Ltd. Grosart Metal Products Hamilton Aluminum Ware Mfg. Co. Ltd. Hamilton Clamp & Stampings Ltd. Hartman Metal Fabricators Ltd. Hartwell Sheet Metal Co. H. & E. Plating Heynink Sheet Metal Hind Mfg. Co. 94 Bruce St., Oshawa 170 Chatham St., Hamilton 1405 Weston Rd., Toronto 15 199 River Street, Toronto 121 Cavan St., Port Hope 1062 Neison St., Oshawa 13 Ferguson Ave. N., Hamilton 150 Chatham St., Hamilton Caledonia 61 McCormack St., Toronto 9 108 Manyille Rd., Scarborough Hamilton Clamp & Stampings Ltd. Hartman Metal Fabricators Ltd. Hartwell Sheet Metal Co. Hartwell Sheet Metal Co. Hartwell Sheet Metal Co. Hogarth Platers Ltd. Hollys Anod Zing Service Homer & Wilson Ltd. Hollys Anod Zing Service Homer & Wilson Ltd. Hospital & Kitchen Equipment Co. Ltd. Hubbell, E.S. & Sons Ltd. Hubbell, E.S. & Sons Ltd. Hughes, L.G., Sheet Metal Ideal Metal Stamping Ltd. Ideal Metal Products Ltd. International Cooperage Co. of Canada Ltd. International Cooperage Co. of Canada Ltd. International Cooperage Co. of Canada Ltd. Jones Manufacturing Co. Ltd. Jones Manufacturing Co. Ltd. Jones Manufacturing Co. Ltd. Joseph, N.C., Aluminum Co. of Canada Ltd. Kitchener Electronics Industries Ltd. Kitchen 108 Manville Rd., Scarborough 192 Forest St., Chatham Bracebridge 2283 Eglinton Ave. E., Scarborough 37 Mansion Ave., Scarborough 12 Milford Ave., Toronto 15 1-3-5 Lancaster St., Hamilton 67 Portland Street, Toronto 67 Portiand Street, Toronto Thamesville 180 Robert St. Rear, Thronto Erie St. S., Ridgetown 127 Burton St., Hamilton 254 Lakeshore Blvd. E., Toronto 2468 Ouelette, Windsor 27 Wade St., Chatham 100 Canadian Rd., Scarboro 100 Canadian Rd., Scarboro Fort William Stoney Creek 97 Frid St., Hamilton 15 Jenet Ave., Toronto 4 1628 Durham Place, Windsor Stratford, Box 1 1340 Portage Rd., Niagara Falls 229 Catherine N., Hamilton 396 Berkley Ave., Westboro 46 Kent St., Woodstock 139 Dundas St., Kitchener South Sheridan Way, Clarkson 38 Elgin St., Brantford 3 Hoffman St., Kitchener 405 Nyberg, Kitchener 41 Granger St., Scarborough 71 Wilkes, Brantford 1673 Moy Ave., Windsor 72 York, London 82C Yarmouth, Gueiph 360 Brock St., Brantford 402 Ridout St. N., London Forhan St., Wallaceburg 1729 King St. E., Preston 134 Brown's Line, Toronto 2610 Filette, Windsor 371 Danforth Ave., Scarborough 2321 Edna St., Windsor 344 Bering Ave., Toronto 12 3 Regina N., Waterloo 2720 Dundas St. W., Toronto 9 Meaford 1244 Dufferin St., Toronto 4 15 Julland Rd., Etobicoke Fort William Meaford 1244 Dufferin St., Toronto 4 15 Jutland Rd., Etobicoke 120 Frid St., Hamilton 6 Lisgar St., Toronto 3 Hespeler Hwy., Galt 292-98 Geary Ave., Toronto 731 Runnymede Rd., Toronto 22 Taber Rd., Rexdale 22 Taber Rd., Rexdale Jordan Station 35 Booth Ave., Toronto 8 154 Oak Ave., Hamilton 2080 Eagle N., Preston 21 Jarvis St., Toronto I 4342 Mavis Rd., Cooksville 70 Market St., Toronto 260 Centre St., Petrolia 42 Tabor Rd 260 Centre St., Petrolia 42 Tabor Rd., Rexdale 76 Mead Ave., Hamilton 65 Samor Rd., Toronto 19 260 Niagara St., Toronto 3 2833 Dufferin St., Toronto 37 Parliament St., Toronto 1452 Charles St., Windsor 180 Columbia St., Waterloo 180 Columbia St., Waterloo 29 Zorra, Toronto 63 Torbarrie Rd., Toronto 292 Adelaide W., Toronto 77 Wade Ave., Toronto 4 Simcoe St. S., Oshawa 15 Bentworth Ave., Toronto 19 Andrew & Colbome Sts., Orilla 155 Tiffin St., Barrie Lambeth St., London Paramount Plating Patterson Plating Pediar People Limited Plaza Electro-Plating Ltd. Plorcelain & Metal Products Ltd. Pratt, J. Murray, Mfg. Co. Ltd. Pritchard Plating

Name of firm	Location of pl
Ontario - Concluded:	
Precision Platers	. 5 A Hiscott St., St. Catharines
Precision Vacuum Products Ltd.	91 Oxford St., Toronto 2B
Pressed Metal & Plating Prods. Ltd	
Rapid Plating Works	
Reininger R. & Son Ltd.	
Reixinger & Schultes Mfg. Co.	
Reliable Sheet Metal Mfg. Co. Rheem Canada Ltd.	
Rideau Aluminum & Steel Ltd.	
Rimac Metal Finishers	5 Research Rd., Brampton
Robert Sheet Metal Co. Ltd.	194 Robert St., Hamilton
Robertson Irwin, Ltd. Rosco Metal & Roofing Products Ltd.	
Scancraft Plating Ltd.	
Sasco Tubes Limited	74-76 Advance Rd., Toronto
Seabrook Manufacturing Co. Ltd.	5 Haas Road, Rexdale
Selkirk Metal Products (Eastern) Ltd.	
Simon's Eastern Mfg. Co. Ltd. Soren Manufacturing Co. Ltd.	
Spun Metals Ltd.	36 Rivalda Rd., Toronto 15
Stainless Steel Products Ltd.	135 King Geroge Rd., Brantford
Stamped & Enamelled Ware, Limited	Guelph Street, Hespeler
Standard Electro-Platers Ltd	
Star Sheet Metal Mig. Co.	
Sterling Electro Plating Co.	927 Duffer in St., Toronto 4
Sun Polishing & Buffing Co	1264 Queen St., W. Toronto
Superfinish Company Ltd.	. 1203 Lawrence Ave. W., Toronto 19
Superior Products Ltd	
Supreme Aiuminum Industries Ltd.	
Supreme Anodizing, Ltd.	. 3600 Danforth Ave., Scarborough
Thorn, W.J., Ltd.	. I Riverview Avenue, London
Toronto Cadmium Plating & Tinning Co. Ltd.	
Toronto Plating Co. Tri-Sur Products, Ltd.	
Tudhope Specialties Ltd.	Coiborne St., Orillia
Tweed Steel Works, Ltd.	. 1 James St., Tweed
Tyrell, Evert	389 Lees Ave., Oakville
United-Carr Fastener Co. of Can. Ltd.	37 Forsythe St. S., Oakville
Union Screen Plate Co. of Can. Ltd	
United Electro-Platers	. 217 Lambton Ave., Toronto 9
Vent Rite Mfg.	Rear 8. Newsham St., Toronto
Verrai Metal Fabricators Ltd.	
Vulcan Containers Ltd. Weatherguard Awnings Prods. Ltd.	
Weber, J., Sheet Metal Works	
Webber, Syd., Sheet Metal Ltd.	
Webster, Thomas K., Ltd.	. 39 Vaughan St., Ottawa
Wentworth Industries Limited	
Westeel Products Ltd	
White, David, Sheet Metai Products	. 108 George St., Toronto 2 . 1025 Dupont St., Toronto
Wickware-Stackbin, Ltd.	
Wood, John, Company Ltd.	. 101 Hanson St., Toronto 6
Wright, H.G., Mfg. Co. Ltd.	20 Jarvis St., Hamilton
Wrought Iron Range Co. of Canada, Ltd. York Electro Piating	. 1360 Bloor St. W., Toronto 51 Ormond N., Thorold
Zettel Manufacturing Ltd.	. 170 Borden Ave. S., Kitchener
nitoba:	
Acme Metal Products Ltd.	
Armco Drainage & Metal Products of Canada, Ltd,	
Cadorth Plating Co.	
Canadian Corrugating & Stamping Company Ltd.	521 Archibald Street, St. Boniface
Canadian Rogers Western Ltd.	. 1109 Winnipeg Ave., Winnipeg
Coates, Frederick A	. Charles St., Morris
Commercial Plating Ltd.	
Custom Sheet Metal Works	
Elite Metal Products Ltd.	. 573 Talbot Ave., Winnipeg 5
Empire Sheet Metal Manufacturing Co. Ltd.	725 Madison St., St. James
Engel Sheet Metal Mfg.	. 243 Jarvis St. W., Winnipeg 4
Geetee Ltd. Great West Metal Products Ltd.	
Henn-Rich Manufacturing Ltd.	
Home Heating Manufacturing Co.	130 McKenzie St., Winnipeg 4
Man-Men Industries Ltd.	725 Madison St., Winnipeg
Master Metal Products Co	. 470 Union Ave., Winnipeg 5
McDonald Bros, Sheet Metal	. 51 Aikins St., Winnipeg 4
Metal Air Ltd	. 1483 Wellington Ave., Winnipeg . #10 Hwy. North, Brandon
Meyers Sheet Metal	. 150 Powers St., Winnipeg
Modern Iron Works Ltd. Monarch Plating Co. Ltd.	. 144 Messager St., St. Boniface . 250 McPhillips St., Winnipeg

^{*} Tin can manufacturers mostly.

Name of firm	Location of plant
Manitoba - Concluded:	
Provincial Metal & Heating Co.	425 Selkirk Aye., Winnipeg
Rosco Metal Products Ltd.	
*Selkirk Metal Products Ltd.	625 Wall St., Winnipeg
Sheffield Silver Plating Co. Ltd.	
Western Furnace & Roofing Ltd.	887 Notre Dame Ave., Winnipeg 3
Western Standard Fittings Ltd.	
Wood, John, Company, Limited	
Saskatchewan:	
and the same of th	310 S. Railway, Regina
Allied Heating Supply Ltd. *Armeo Drainage & Metal Prod. of Can. Ltd.	601 Broad St., Regina
Harding Industries Ltd.	2401 Faitbful Ave., Saskatoon
Humphrey Aluminum Window Co.	
Kester Sheet Metal Works	
*Rosco Metal Products (Sask.) Ltd.	
Symon's Metalworkers	Rocanville
Westeel Products Ltd.	1100 Block Scarth St., Regina
Westeel Products Ltd.	Cor. Ave. F and 22nd Street, Saskatoon
Albanta:	
Alberta Warner Weather Master Co. Ltd.	12213 - 67th St., Edmonton
Armco Drainage & Metal Products of Canada Ltd.	
Barry Sheet Metal Company, Limited	10171 - 98th Street, Edmonton
Calgary Aluminum Awnings Co.	7935 - 34th Ave N., Bowness
Calgary Plating Works	1312 - 1st St. W., Calgary
Capital Plating Works Ltd. Capital Sheet Metal	10353 - 73rd. Ave., Edmonton 416 - 1st Ave. N.E., Calgary
Cone Water Heaters Ltd.	36 16 Manchester Rd., Calgary
Daam Galvanizing Co.	8409 - 50 St., Edmonton
Edmonton Silver Plating Co.	
Edmonton Tinsmith Supplies Ltd	8108 - 114th Ave., Edmonton R 2 Cooking Lake Trail, South Edmonton
Frontier Steel Industries Ltd.	Grande Prairie
Industrial Sheet Metal Products	5818 - 1 A St. S.W., Calgary
McCready Products Ltd.	
McKinley & Taylor Ltd. Mamco Chrome	11941-73rd St., Edmonton 3827-15 A. St. S.E., Calgary
Metal Fabricators and Roofing Limited	12509 - 124 St., Edmonton
Richardson Road Machinery	14240 - 115th Ave., Edmonton
Robertson-Irwin, Ltd.	
Rosco Metai Products (Alberta) Ltd	
Westeel Products Ltd.	
Westeel Products Ltd. Western Sheet Metal Products	
British Columbia:	
A.A.A. Aluminum Products A.B.C. Plating Co. Ltd.	
Ace Sheet Metal Works	
*American Can Co, of Canada Ltd.	611 Alexander St., Vancouver 4
Armco Drainage & Metal Products of Canada Ltd.	8811 Laurel St., Vancouver 14
Bumper Platers	1254 Frances St., Vancouver 6 316 - West 2nd., North Vancouver
Coast Coppersmiths	1302 Powell St., Vancouver
Columbia Metal Rolling Mills Ltd.	405 Industrial Ave., Vancouver 4
Columbia Sheet Metal Products Ltd. Continental Can Co. of Canada Ltd.	
Cranberry Sheet Metal Ltd.	
Expanded Metal Co. of Canada Ltd.	664 Derwent Way, New Westminster
Fairmont Plating Ltd.	
Fisher Metal Products	170 Powell St., Vancouver 4
Grant, E.H., & Son Ltd. Hammond Equipment Ltd.	76 Fast Cordova Street, Vancouver 2178 West 4th Ave., Vancouver
Hoberth Culverts & Metal Products	
Hudson Plating Co. Ltd.	
Kenmade Sheet Metal Ltd.	
Kent Metal Products Ltd. McRae Metal Stamping	
McKae Metal Stamping Metalcraft Limited	
Metal & Wood Products (1958) Ltd.	43 East 3rd Ave., Vancouver 10
Model Sheet Metal Works	
	1290 Boundary Rd., Vancouver 6
Monarch Steelcraft Ltd.	Grandville Island Vanaguas
Monarch Steelcraft Ltd. Nesco Aluminum Ltd.	
Monarch Steelcraft Ltd. Nesco Aluminum Ltd. N. K. Aluminum Products Ltd. Pacific Pipe & Flume, Limited	1260 - 8th St. North, Kamloops 145 Winnipeg Street, Penticton
Monarch Steelcraft Ltd. Nesco Aluminum Ltd. N. K. Aluminum Products Ltd. Pacific Pipe & Flume, Limited Peerless Metal Products Ltd.	1260 - 8th St. North, Kamloops 145 Winnipeg Street, Penticton 20850 Lougheed Hwy., Hammond
Monarch Steelcraft Ltd. Nesco Aluminum Ltd. N. K. Aluminum Products Ltd. Pacific Pipe & Flume, Limited Perless Metal Products Ltd. Port Metal Products Ltd.	1260 — 8th St. North, Kamloops 145 Winnipeg Street, Penticton 20850 Lougheed Hwy., Hammond 1805 Franklin St., Vancouver 6
Monarch Steelcraft Ltd. Nesco Aluminum Ltd. N. K. Aluminum Products Ltd. Pacific Pipe & Flume, Limited Peerless Metal Products Ltd.	1260 — 8th St. North, Kamloops 145 Winnipeg Street, Penticton 20850 Lougheed Hwy., Hammond 1805 Franklin St., Vancouver 6 871 Homer, Vancouver

^{*} Tin can manufacturers mostly.

Name of firm	Location of plant
British Columbia - Concluded:	
Screenall Products Ltd. Superlor Plating Works Thom, W.A., Sheet Metal Works Ltd. Tidy, D. Welders Ltd. Tidy, D. Welders Ltd. Terminal Sheet Metal Works Limited Vancouver Island Plating Van Metal Products Ltd. *Vulcan Containers (Canada) Ltd. Westeel Products Ltd. Western Aluminum Products Ltd. Western Aluminum Products Ltd. Western Coastwise Service Ltd. Westmetco Sheet Metal Ltd. Welliam, Stan Mfg. Co. Ltd.	3824 William St., N. Burnaby 731 Homer St., Vancouver 3 1770 West Georgia Street, Vancouver 15387 Trans-Canada Hwy. R.R. 5, North Surrey 1090 Pender Street West, Vancouver 430 Kingston St., Victoria 7445 — 19th St., Burnaby New Westminster 8449 Main St., Vancouver 97 Water St., Vancouver 8194 Ontario St., Vancouver 15 706 Victoria St., New Westminster 7763 Edmonds St., New Westminster
Wilson, J.L.	2103 Emerson Rd., Abbotsford

^{*} Tin can manufacturers mostly.



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