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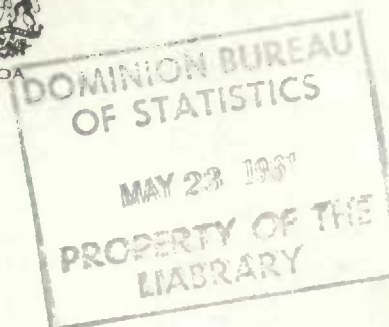
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CANADA



THE JEWELLERY AND SILVERWARE INDUSTRY 1959

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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Non-ferrous Metal Products** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual

M — Monthly

Q — Quarterly

Catalogue number	Title	Price
41 - 202	Non-ferrous Metal Products — General Review (A) .....	.50
41 - 204	The Aluminum Products Industry (A) .....	.50
41 - 206	The Brass and Copper Products Industry (A) .....	.50
41 - 215	The White Metal Alloys Industry (A) .....	.50
41 - 211	The Jewellery and Silverware Industry (A) .....	.50
41 - 214	The Smelting and Refining Industry (A)50
41 - 218	The Miscellaneous Non-ferrous Metal Products Industry (A)25
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41 - 007	Non-ferrous Scrap Metal and Secondary Non-ferrous Ingot (Q)	per year 1.00
31 - 201	General Review of the Manufacturing Industries (A)	2.00
31 - 001	Inventories, Shipments and Orders in Manufacturing Industries (M)	per year 4.00
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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.
- ° preliminary figures.

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 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. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

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 1959 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, warehousing 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 of 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 Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

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.

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*.

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.

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.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

THE JEWELLERY AND SILVERWARE INDUSTRY 1959

Manufacturers of jewellery, silverware and other precious metal products reported the value of their 1959 shipments at \$54,703,327, an increase of 1.5 per cent over the \$53,898,979 reported in 1958.

In 1959 there were 213 plants engaged in this line of manufacturing including 106 in Ontario; 82 in Quebec; 17 in British Columbia; 4 in Manitoba and 2 in each of Saskatchewan and Alberta. The 197 works in the jewellery manufacturing division of this industry employed 2,895 people to make goods worth \$25,766,153; the 10 silverware plants with 880 employees made products worth \$10,021,606 and the remaining 6 plants which were occupied in recovering precious metals from scrap or in preparing gold and silver for use in the arts and industries, employed 543 people and had a combined output valued at \$18,915,568. Among the principal materials were gold and gold alloys, silver and silver alloys, nickel-silver, precious and semi-precious stones and jewellers' findings.

As reviewed in the bulletin, the jewellery and silverware industry includes all plants in Canada which made the following classes of goods as their

main products; (a) rings and other jewellery; (b) sterling silverware and silver-plated ware; and (c) dental supplies, gold leaf, gold and silver melted or rolled or otherwise prepared for the arts and industries; and precious metals recovered from old materials, jewellers' sweepings and scrap. Wholesalers, retailers, or shops engaged only in repair work have not been included.

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" figures 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 of the Jewellery and Silverware Industry, Significant Years 1929-59 and by Provinces, 1958 and 1959

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	number				dollars		
1929	98	2,931	3,998,851	100,912	4,913,604	6,919,077	11,933,593
1932	93	2,169	2,322,392	72,434	2,432,728	3,613,709	6,118,871
1937	121	3,316	3,801,230	112,616	6,647,300	6,633,630	13,093,546
1939	116	3,390	4,095,783	115,729	7,210,524	6,903,307	14,229,560
1945	158	5,514	8,108,837	197,435	16,164,076	14,837,706	31,199,217
1946	172	6,691	10,507,305	244,177	22,873,016	18,411,485	41,528,678
1949	209	6,219	13,160,094	291,594	26,878,852	23,587,014	50,757,460
1955	221	5,178	13,680,463	391,782	25,711,100	22,245,768	48,016,269
1956	220	4,877	13,990,509	394,988	29,499,839	24,171,407	53,460,985
1957	220	4,731	14,572,549	404,516	28,885,750	23,502,638	52,789,040
1958							
Quebec	83	1,636	4,449,226	90,851	5,604,258	7,258,360	12,798,593
Ontario	111	2,899	9,848,413	309,497	24,047,236	15,940,905	39,739,829
Manitoba	4	34	86,276	1,932	132,217	179,524	316,836
Saskatchewan	2	19	62,649	755	34,063	71,781	106,599
Alberta	2						
British Columbia	19	151	489,201	5,343	329,908	634,728	937,122
Canada	221	4,739	14,935,765	408,378	30,147,682	24,085,298	53,898,979
1959							
Quebec	82	1,361	4,053,383	78,409	5,582,981	6,806,065	12,353,858
Ontario	106	2,765	9,907,913	288,436	24,499,559	16,187,193	40,779,642
Manitoba	4	31	87,058	1,545	157,621	182,545	343,110
Saskatchewan	2	19	64,750	815	56,000	102,334	158,774
Alberta	2						
British Columbia	17	142	509,674	5,307	358,726	708,773	1,067,943
Canada	213	4,318	14,622,778	374,512	30,654,887	23,986,910	54,703,327

¹ See note to text.

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. Principal Statistics of the Jewellery and Silverware Industry, by Sub-groups, 1958 and 1959

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	number		dollars				
1958							
Refined precious metals and dental supplies	6	476	1,885,339	83,160	14,204,700	3,088,211	16,853,452
Silver-plated ware	11	989	3,736,144	147,128	4,795,217	5,856,454	10,871,375
Jewellery	204	3,274	9,314,282	178,090	11,147,765	15,140,633	26,174,152
Totals	221	4,739	14,935,765	408,378	30,147,682	24,085,298	53,898,979
1959							
Refined precious metals and dental supplies	6	543	2,143,603	83,023	14,994,776	3,739,610	18,915,568
Silver-plated ware	10	880	3,292,971	134,988	4,415,460	5,670,214	10,021,606
Jewellery	197	2,895	9,186,204	156,501	11,244,651	14,577,086	25,766,153
Totals	213	4,318	14,622,778	374,512	30,654,887	23,986,910	54,703,327

¹ See note to text.

TABLE 3. Inventories,¹ 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec	1,736,890	290,742	1,701,860	3,729,492
Ontario	4,861,703	2,809,641	3,422,786	11,114,130
Other provinces	209,153	24,698	135,709	349,560
Canada	6,807,746	3,125,081	5,260,355	15,193,182
Closing:				
Quebec	1,822,072	239,746	1,866,453	3,928,271
Ontario	4,169,819	2,529,150	3,918,823	10,617,792
Other provinces	256,264	25,373	118,873	400,510
Canada	6,248,155	2,794,269	5,904,149	14,946,573

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

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Jewellery and Silverware Industry for the year under review are shown in the above table.

(c) The opening inventory for 1959 does not necessarily agree with the closing inventory for 1958 because of the addition of new plants, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the changes mentioned above.

TABLE 4. Products of the Jewellery and Silverware Industry, 1958 and 1959

Product	Value of factory shipments	
	1958	1959
dollars		
Precious metals (gold, silver, etc.) in the following forms: recovered (for sale) from old material, sweepings, waste, etc., also precious metals purchased as such and only melted and rolled and otherwise prepared without alloying, for resale to the arts and industries and other precious metal alloys not specified elsewhere.		
Gold	3,732,746	4,358,963
Silver	3,656,636	2,412,485
Other precious metals including platinum crucibles and electrodes	3,935,646	5,526,255
Gold leaf, gold filled wire and other gold filled stock	325,804	354,980
Jewellery	22,453,319	21,486,663
Church goods (chalices, etc.)	208,712	302,826
Emblems, badges and medals	572,116	508,553
Hollow-ware, silver-plated on Britannia metal	46,872	44,231
Hollow-ware, silver-plated on nickel-silver	96,672	86,286
Hollow-ware, silver-plated on brass and copper	1,223,892	1,147,300
Hollow-ware, silver-plated on lead alloy	48,607	53,298
Hollow-ware, sterling silver	1	1
Flatware and cutlery, silver-plated	4,762,431	3,515,776
Flatware and cutlery, sterling silver	1,727,851	2,121,565
Flatware and cutlery, other, including stainless steel, other plated and other metal flatware, not plated	1,169,212	1,085,006
Jewellers' findings	327,215	323,464
Trophies	996,443	1,004,321
Received for custom and repair work	864,406	1,200,933
Other products	7,752,199	9,170,422
Totals	53,898,979	54,703,327

¹ Included with "Other products". See Table 7 for total production in Canada.

TABLE 5. Materials Used in the Jewellery and Silverware Industry, 1958 and 1959

Material	Cost at works	
	1958	1959
	dollars	
Precious metals:		
Gold:		
Fine:		
New	4,792,935	5,164,186
From old material	251,290	160,144
Gold alloys (18k, 12k, etc.)	1,633,143	1,662,361
Iridium	17,125	17,178
Palladium	1,143,382	1,287,587
Platinum	3,258,208	2,549,125
Rhodium	108,285	321,947
Silver:		
Fine:		
Anodes	560,835	463,678
Other	2,240,448	2,794,428
Sterling	2,282,143	2,404,789
Other silver alloys	72,349	92,027
Old gold, waste and scrap for remelting and refining	1,020,928	972,129
Gold-filled wire and other gold-filled stock	143,909	124,531
Base metals and alloys:		
Aluminum	3,405	5,087
Antimony metal	2,134	1,027
Brass, including blanks for plating	416,589	364,386
Britannia metal, including blanks for plating	25,724	17,319
Cadmium metal	3,049	3,569
Copper, including blanks for plating	289,803	250,741
Lead	62,336	17,962
Nickel	6,506	5,008
Nickel-silver, including blanks for plating	865,568	542,629
Tin	44,796	29,652
Other non-ferrous metals	423,844	63,612
Other materials:		
Cutlery steel	72,657	36,979
Diamonds (for rings, etc.)	2,895,200	2,251,638
Other precious and semi-precious stones	1,178,539	1,378,822
Glass linings and blanks	86,879	213,734
Rouge and other polishes	101,035	76,251
Stainless steel	299,561	304,460
Synthetic resins and plastics	31,782	2,896
Pearl essence	9,721	6,247
Beads for artificial or simulated pearls	229,431	152,510
Jewellers' findings	1,105,125	1,260,201
Shipping containers and packaging materials	674,059	603,361
All other materials and process supplies ¹	3,794,959	5,052,686
Totals	30,147,682	30,654,887

¹ No detailed information on materials used was collected from firms generally reporting value of factory shipments of less than \$50,000. The total value of materials used by these firms was \$1,044,444 and this amount is included in "all other materials and process supplies".

TABLE 6. Production¹ of Jewellery in Canada, 1950 - 59 (from All Industries)

Year	Selling value at works	Year	Selling value at works
	\$		\$
1950	17,931,000	1955	19,466,000
1951	16,400,000	1956	20,780,000
1952	18,522,000	1957	21,205,000
1953	20,580,000	1958	23,139,000
1954	18,624,000	1959	22,490,000

¹ Factory shipments since 1952.

TABLE 7. Production¹ of Silverware in Canada, 1950-59 (from All Industries)

Year	Hollow-ware, electroplated			Flatware, and cutlery, electro- plated	Sterling silver hollow-ware, flatware and cutlery	Sterling silver toilet-ware and dresserware
	On Britannia metal	On nickel- silver	On other metal			
	dollars					
1950	327,110	82,190	2,405,908	6,716,307	3,602,206	429,189
1951	160,189	124,252	2,041,490	5,981,279	3,207,605	328,753
1952	128,809	75,974	1,863,895	5,647,955	2,388,972	310,271
1953	137,156	57,412	1,827,887	6,668,069	2,747,692	353,422
1954	74,665	8,609	1,515,514	6,159,148	2,511,545	279,443
1955	82,045	14,253	1,634,999	6,155,926	2,454,031	218,609
1956	63,121	69,704	1,238,322	5,878,192	2,083,917	²
1957	78,616	85,156	1,218,897	6,736,236	2,164,659	²
1958	46,872	96,672	1,272,499	4,762,431	1,976,523	²
1959	44,231	86,286	1,200,598	3,515,776	2,432,105	²

¹ Factory shipments since 1952.² Not available separately.

TABLE 8. Principal Statistics, classified according to Type of Ownership, 1958 and 1959

Type	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
1958	number		dollars		
Individual ownership	69	405	1,162,026	1,657,327	3,353,146
Partnerships	35	221	642,428	938,870	1,969,125
Incorporated companies	117	4,113	13,131,311	27,551,485	48,576,708
Totals	221	4,739	14,935,765	30,147,682	53,898,979
1959	number		dollars		
Individual ownership	64	302	981,737	1,318,627	2,886,167
Partnerships	32	229	660,672	841,439	1,955,982
Incorporated companies	117	3,787	12,980,369	28,494,821	49,861,178
Totals	213	4,318	14,622,778	30,654,887	54,703,327

TABLE 9. Principal Statistics of the Jewellery and Silverware Industry in Canada,
grouped according to Size of Establishment, 1958 and 1959

Establishments reporting factory shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
1958	number		dollars		
Under \$10,000	19	27	57,669	33,424	99,708
\$ 10,000 to \$ 24,999	36	126	303,055	255,991	602,279
25,000 " 49,999	39	182	483,800	609,147	1,358,413
50,000 " 99,999	35	343	1,037,077	1,139,339	2,429,807
100,000 " 199,999	37	665	1,722,703	2,331,190	5,074,005
200,000 " 499,999	36	1,400	4,035,203	4,767,684	11,346,091
500,000 " 999,999	12	734	2,314,717	3,186,118	7,570,402
1,000,000 " 4,999,999	5	1,262	4,981,541	17,824,789	25,418,274
5,000,000 and over	2				
Totals	221	4,739	14,935,765	30,147,682	53,898,979
1959	number		dollars		
Under \$10,000	15	17	38,138	24,746	74,044
\$ 10,000 to \$ 24,999	39	125	278,085	247,899	661,779
25,000 " 49,999	33	155	451,160	525,475	1,186,135
50,000 " 99,999	34	337	1,003,287	1,078,349	2,537,128
100,000 " 199,999	36	518	1,672,434	2,359,222	5,064,739
200,000 " 499,999	38	1,346	4,241,003	4,907,508	11,505,228
500,000 " 999,999	11	554	2,038,544	3,264,571	7,026,082
1,000,000 " 4,999,999	5	1,266	4,900,127	18,247,117	26,648,192
5,000,000 and over	2				
Totals	213	4,318	14,622,778	30,654,887	54,703,327

TABLE 10. Employees and their Earnings in the Jewellery and Silverware Industry, 1958 and 1959

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
1958	number					dollars		
Quebec	218	142	781	495	1,636	1,358,182	3,091,044	4,449,226
Ontario	421	303	1,336	839	2,899	3,125,205	6,723,208	9,848,413
British Columbia	41	19	75	16	151	163,752	325,449	489,201
Other provinces	12	7	30	4	53	55,606	93,319	148,925
Canada	692	471	2,222	1,354	4,739	4,702,745	10,233,020	14,935,765
1959								
Quebec	209	98	628	426	1,361	1,293,206	2,760,177	4,053,383
Ontario	416	299	1,300	750	2,765	3,287,823	6,620,090	9,907,913
British Columbia	31	19	78	14	142	163,867	345,807	509,674
Other provinces	15	6	25	4	50	54,568	97,240	151,808
Canada	671	422	2,031	1,194	4,318	4,799,464	9,823,314	14,622,778

TABLE 11. Production Workers, by Months, 1959

Month	Establishments reporting monthly detail ¹		Establishments reporting quarterly detail ²	
	Male	Female	Male	Female
	number			
January	1,430	976		
February	1,448	1,004		
March	1,458	943	453	187
April	1,440	894		
May	1,423	889		
June	1,431	922	453	179
July	1,443	968		
August	1,482	1,065		
September	1,483	1,077	467	182
October	1,459	964		
November	1,437	916		
December	1,422	871	456	169
Average for establishments reporting monthly detail			1,448	961
Average for establishments reporting quarterly detail			457	180
Average estimated for small establishments ³			146	53
Average for all establishments			2,051	1,194

¹ The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$200,000 and over.

² The number of production workers, by quarters, was collected only for establishments generally reporting value of shipments between \$50,000 and \$200,000.

³ For establishments generally reporting value of shipments of less than \$50,000, 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 12. Capital and Repair Expenditures in the Jewellery and Silverware Industry, 1955-59

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Con-struction	Machinery and equipment		Con-struction	Machinery and equipment		
	thousands of dollars						
1955	500	613	1,113	103	400	503	1,616
1956	576	539	1,115	96	458	554	1,669
1957	128	616	744	101	435	536	1,280
1958	33	367	400	103	459	562	962
1959 ^P	32	449	481	104	311	415	896

TABLE 13. Imports into Canada and Exports of Jewellery and Precious Metal products, 1958 and 1959

Item	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
(a) Imports				
Precious metals and their products:				
Electroplated ware and giltware, n.o.p. ....	..	13,616,359	..	14,072,046
Gold and silver sweepings and bullion fringe or gold fringe ..	..	18,315	..	41,311
Gold, silver and Dutch or schlag metal leaf ..	..	162,149	..	191,699
Gold, manufactures, of, n.o.p. ....	..	107,206	..	124,517
Platinum wire and platinum bars, strips, sheets and plates; platinum, palladium, iridium, osmium, ruthenium and rhodium, in lumps, ingots, powder, sponge or scrap ..	..	8,641,360	..	6,466,280
Platinum crucibles ..	..	1,535,132	..	1,828,560
Platinum retorts, pans, condensers, tubing, pipe and preparations of platinum for the manufacture or concentration of sulphuric acid ..	—	—	—	—
Platinum and black oxide of copper for the manufacture of chlorate and colours ..	—	—	—	—
Silver in bars, blocks, ingots, drops, sheets or plates, unmanufactured .. oz.	2,701	2,382	2,807,774	2,484,200
Toilet articles of all kinds, of which the component material of chief value is sterling silver ..	..	29,073	..	48,467
Silver, manufactures of, n.o.p., and articles consisting wholly or in part of sterling or other silverware ..	..	647,424	..	670,487
Jewellery:				
Jewellery, n.o.p. ....	..	5,432,556	..	5,148,403
(b) Exports				
Jewellers' sweepings and precious metal scrap, n.o.p. ....	..	1,129,505	..	1,486,086
Silver manufactures, n.o.p. ....	..	29,959	..	38,898
Plated ware, silver ..	..	110,318	..	126,699
Plated ware, n.o.p. ....	..	10,661	..	21,492
Jewellery of all kinds, n.o.p. ....	..	120,479	..	216,674

Note: The letters "n.o.p." mean "not otherwise provided for" in the statistical classification.

TABLE 14. Fuel and Electricity Used in the Jewellery and Silverware Industry, 1959

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal:		
(a) From Canadian mines .. ton	324	5,596
(b) Imported ..	2,985	37,816
Anthracite coal ..	15	440
Coke ..	32	915
Gasoline (including gasoline used in cars and trucks) .. Imp. gal.	54,937	16,252
Fuel oil including kerosene or coal oil ..	477,944	55,831
Gas:		
(a) Liquefied petroleum gases ..	20,256	5,055
(b) Other manufactured gas .. Mcf.	304	580
(c) Natural gas ..	29,180	43,165
Other fuel ..	..	1,828
Electricity purchased .. kwh.	9,842,458	147,660
2. Establishments reporting group detail: ²		
Cost of fuel ..	...	17,919
Cost of electricity ..	...	24,566
3. Estimate for establishments for which no data were collected: ³		
Cost of fuel and electricity ..	...	16,889
4. All establishments:		
Total cost of fuel and electricity ..	...	374,512

¹ Establishments generally reporting value of shipments of \$200,000 and over.

² Establishments generally reporting value of shipments between \$50,000 and \$200,000.

³ Establishments generally reporting value of shipments of less than \$50,000.

Directory of Firms in the Jewellery and Silverware Industry, 1959

Name of firm	Location of plant
(a) Refined Precious Metals Chiefly — Secondary Refiners	
Quebec:	
Canadian Refining Co. Ltd.	1426 Clarke St., Montreal
Ontario:	
Engelhard Industries of Canada Limited	512 King St. E., Toronto
Handy & Harman of Canada Ltd.	141 John St., Toronto
Imperial Smelting & Refining Co. Ltd.	34 Beverley St., Toronto
Johnson, Matthey & Mallory, Limited	110 Industry St., Toronto
Williams Gold Refining Co. of Canada Ltd.	30 Courtwright St., Fort Erie North
(b) Silver-Plated Ware Chiefly	
Quebec:	
Birks, Henry & Sons (Montreal) Ltd.	1240 Phillips Square, Montreal
Wallace Silversmiths (Canada) Ltd.	Cookshire
Ontario:	
Benedict-Proctor Mfg. Co. Ltd.	74 Ontario St., Trenton
Canadian Silversmiths Ltd.	80-84 Chestnut St., Toronto
International Silver Co. of Canada, Ltd.	303 River Road, Niagara Falls
McGlashan Silverware Ltd.	Bells Corners
Morton-Parker Limited	Dufferin Ave., Trenton
Oneida Ltd.	Niagara Falls and Toronto
Royale Silverware Mfg. Co.	250 Emerson Ave., Toronto
(c) Jewellery Chiefly	
Quebec:	
Abolene Company Ltd., The	485 McGill St., Montreal
Achim, J. Henri	205, rue St-Paul O., Montreal
Adler, B., & Sons Inc.	1260 University St., Montreal
A.L.S. Inc.	1255 University St., Montreal
American Novelities & Castings	987 Cote St., Montreal
Amsel Bros.	1109 St. Lawrence Blvd., Montreal
Ano Limitée	2937 Avenue Lacombe, Montreal
Beaudoin Spinning Enrg.	3870 Chemin St-Michel, Ville St-Michel
Beaugrand, Gilles, Inc.	846, ave de l'Epée, Outremont
Bick & Ostor Co., Limited	1255 Phillips Square, Suite 303, Montreal
Bijouterie Centrale Inc.	3250 St. Zotique, Montreal
Bijouterie, Roy Inc.	5222 Des Erables, Montreal
Bijouterie Style Enrg.	620 Jarry St. E., Montreal
Bijouterie Turco Enrg.	1901 Rue Mont-Royal, Montreal
Bourassa, J.A.	1290 St. Denis St., Montreal
Breadner Company, Limited	55 Breadner St., Hull
Bureau, Roger	8685 Casgrain, Montreal
Carrier, P.E., Co. Ltée	2012 East Rue Mont-Royal, Montreal
Cheron, Raymond	2260 Blvd. Perrot, Isle Perrot Sud
Colombia Jewellery Co.	400 Ontario, Montreal
Continental Jewellery Co.	256 Vitre St., Montreal
Delrue, Georges	2100 Crescent, Montreal
Dexter Mfg. Co. of Canada	R.R. No. 1, St. Jean
Dismas Society	4800 Decarie Blvd., Montreal
Dominion Tool & Metal Products Ltd.	929 Perreault Lane, Montreal 18
Doucet, Victor	10597 Pelletier Ave., Montreal
Enco Manufacturing Co. Ltd.	428 St. Peter St., Montreal
Forstner (Canada) Ltd.	830 George St., Sherbrooke
Foucher, B. & Belanger Inc.	988 Est Rue Rachel, Montreal
Gemex Canada Ltd.	1276 St. Urbain St., Montreal
Gold Arts Jewellery Co. Ltd.	1504 Sherbrooke St. W., Montreal
Gendon Mfg. Jewellers Inc.	1101 St. Alexander St., Montreal
Green Bros. Inc.	1010 Ste. Catherine St. E., Montreal
Grenier, Marcel	1010 Ste. Catherine St. E., Montreal
Har-mor Jewellery Co.	202 Maisonneuve St., Hull
Hiltebrandt	1421 McKay, Montreal

Directory of Firms in the Jewellery and Silverware Industry, 1959 - Continued

Name of firm	Location of plant
(c) Jewellery Chiefly - Continued	
Quebec - Concluded:	
Imperial Jewellery Manufacturing Company	913 St. George St., Montreal
Jaystone Ornaments	1449 St. Alexander St., Montreal
Jewel Bearings Ltd.	425 Grande Allée, Quebec 4
Jewel Craft Reg'd	2110 Bishop St., Montreal
Julian Jewellery Mfg. Co.	1408 Bleury St., Montreal
Keyes Jewellers Ltd.	685 St. James St. W., Montreal
Krasnow, Sam, & Co.	1214 Peel St., Montreal
Lamond, Co., & Fils Limitée	1065 Bleury St., Montreal
Langlois, Paul A.	466 de la Couronne, Quebec
LaSalle Jewellery	8482, rue St-Hubert, Montreal
Laurentian Jewellers	1779 St. Alexander St., Montreal
Lemaitre, Paul, Limitée	1407 rue Iberville, Montreal
Levis Engraving Co. Ltd. Reg'd. F.	5 rue Fortier, Levis
Lindover, H.	1500 Ste. Catherine St. W., Montreal
Manhattan Jewellery	3646 St. Lawrence St., Montreal
Marion, Aly	360 Craig St. W., Montreal
Metalliflex Ltd.	8955 Park Ave., Montreal
Montreal Plating & Casting Co. Ltd.	6726 St. Vallier St., Montreal
Nemo - Brier Limited	105 Montcalm St., Hull
New York Rhinestone Novelties Co.	1485 Bleury St., Montreal
Paquet, Gidéon, Enrg.	750 St. Joseph St., Quebec
Paris, Joaleerie	1294 Maguire, Quebec
Pelletier, E., & Fils Enrg.	179 Ouest, rue Craig, Montreal
Picard, J.E.	401 Blvd. Charest, Quebec
Primavesi & Kaufmann	1454 Mountain St., Montreal 25
Ross Bros. Inc.	1235 Guy St., Montreal 25
Scepter Jewellery Company	408 St. James St. W., Montreal
Shechtman, G.A., & Sons, Ltd.	460 Ste. Catherine St. W., Montreal
Sherman, G., & Co.	905 Old Orchard Ave., Montreal
Sidney Skelton Ltd.	1231 Ste. Catherine West, Montreal
Sloves, N., & Co.	1029 Beaver Hall Hill, Montreal
Spark Jewellers Mfg.	366 Mayor Ave., Montreal
Stephenson, Osher, Co. Ltd.	740 St. Maurice St., Montreal
Surek Jewellery Mfg.	224 Laurier West, Montreal
Swisor Inc.	2556 Chemin St-Louis, Québec
Tardy, Charles E.	486 St. John St., Montreal
Trico Ring Mfg. Inc.	685 St. James St. W., Montreal
Triad Creations Limited	420 St. Georges St., Drummondville
Tulip Creations Mfg. Co. Ltd.	6749 Marquette St., Montreal
Variety Ring Co.	5327 Notre Dame St. W., Montreal
Venus Jewellery Mfg. Co.	117 St. Paul W., Montreal
Watchstraps Inc.	2875 Hochelaga St., Montreal
Ontario:	
A. & A. Jewellers Ltd.	21 Dundas Square, Toronto
Adams Jewellery Mfg. Co.	5 Commercial St., Toronto
Amell, Robert & Co. Limited	145 Adelaide St. W., Toronto
Ampeco Limited	2139 Lawrene Ave. E., Scarborough
Anthony Bros. Limited	2433 Dufferin St., Toronto
Arman Trophy Manufacturing Co.	191 George St., Toronto
Artistic Jewellery Co.	688 Richmond St. W., Toronto
Attractive Jewellery Co.	39 Wellington St. E., Toronto
Austin, Carl, & Co. Ltd.	44 Church St., Weston
Avon Jewellery Limited	295 Dundas St. E., Belleville
Baker, T.H., Limited	1023 Princess Ave., London
Bari Bros. Jewellers	236 Adelaide St. W., Toronto
Bassett, W.F., Company	10 Duke St., Toronto
Bijou Jewellery Mfg.	77 Victoria St., Toronto
Bond-Boyd & Company Limited	2433 Dufferin St., Toronto 10
Boyd, Douglas	66 Centre St. W., Richmond Hill
Burkhardt Jewellers Limited	3 Mutual St., Toronto
Cadman Mfg. Co. Ltd.	Courtland
Canada Diamond Mount Co.	14 Temperance St., Toronto
Canadian Gold Leaf Manufacturers	14 Bettess St., Belleville
Canadian Pearl Co.	18 Haymarket St., Hamilton
Canadian Trophies Ltd.	442 Adelaide St. W., Toronto
Castwell Company Ltd.	422 Adelaide St. W., Toronto
Century Novelty Co. Ltd.	144 Front St. W., Toronto
Colonial Jewellery Limited	215 Spadina Ave., Toronto
Coro (Canada) Limited	186 Bartley Dr., Toronto

Directory of Firms in the Jewellery and Silverware Industry, 1959 — Continued

Name of firm	Location of plant
(c) Jewellery Chiefly — Continued	
Ontario — Concluded:	
Craft Jewellery Products Ltd.	37 McCaul St., Toronto
D'Orland Jewellers Ltd.	96 Queen St. E., Toronto
Dafri Jewellery Co.	107 Richmond St. E., Toronto
Ekblad, Ronald, Mfg. Co.	604 King St. W., Toronto
Electric Chain Co. of Canada Ltd., The	86 Bathurst St., Toronto
Elliott-Bishop Co. Ltd.	71 Lombard St., Toronto
Empire Silversmiths	10-16 Ripley Ave., Toronto
Evenchick, M., Ltd.	291 Albert St., Ottawa
Excellent Jewellery Co. Ltd.	600 Bay St., Toronto
Excelsior Jewellery Manufacturing Company Ltd.	9 Beverly St., Toronto
Fashion Jewellery Company	111 Queen St. E., Toronto
Favorite Jewellery Ltd.	10 St. Patrick St., Toronto
Fine Bracelet Co.	23 Scott St., Toronto
Forth, H., & Co. Limited	284 A Yonge St., Toronto
Fremes, S., & Co. Limited	317 Adelaide St. W., Toronto
Fussell, Andrew	10 Asquith Ave., Toronto
Gem Jewellery	130 Chatham Ave., Toronto
Gorel Chain Co.	68 Broadview Ave., Toronto
Gunning Bros.	3 Duchess St., Toronto
Hamilton Manufacturing Jewellers Limited	37-39 King William St., Hamilton
Holm, E.	459 Martha St., Burlington
Houghton's Silverware & Plating, Ltd.	313 Church St., Toronto
Ideal Jewelfcraft	108 Wellington West, Toronto
International Jewellery Co.	20 Temperance St., Toronto
Jewel Studio	73 Adelaide St. W., Toronto
Johnston, D.H., Co.	30 Alden Ave., Toronto
Kalupe Jewellery	19 Pretoria St., Toronto
Karel Craft Jewellery Mfg. Co.	4338 Kingston Rd., West Hill
Kay & Thornley	2 Temperance St., Toronto
Kral, Franz	150 Earlsdale Ave., Toronto
Kilpatrick, C., Mfg. Co., Limited	130 University Ave., Windsor
Lackie Manufacturing Company	106-108 Lombard St., Toronto
Laugher & Patton Limited	114 Jarvis St., Toronto
Leek, Jensen & Feller, Ltd.	79 Queen St. E., Toronto
Lees, Geo. H., & Co., Ltd.	47 Main St. E., Hamilton
Lepp, Herman	9 Richmond St. E., Toronto
Libman & Company Ltd.	21 Dundas St., Toronto
Lister, Harry	2 Temperance St., Toronto
Lorie, Limited	200 Adelaide St. W., Toronto
Marlboro Jewellery Co.	10 Temperance St., Toronto
Marvel Jewellery Ltd.	159 McCaul St., Toronto
McVeen, Gordon	73 Adelaide St. W., Toronto
Mitschele Jewellery	47 Wellington St. E., Toronto
Model Jewellery Mfg. Co.	54 Wellington St. W., Toronto
Nantais & Hill Ltd.	152 Pitt St. W., Windsor
Nielsen & Son	111A Jarvis St., Toronto
Peerless Jewellery Manufacturers	2 Temperance St., Toronto
Piffard, R., & Sons	28-30 Wellington St. W., Toronto
Platinum Art Company	21 Dundas Square, Toronto
Precious Metalcraft Mfg. Co.	195 Yonge St., Toronto
Quality Jewellery Manufacturing	11 Duncan St., Toronto
Regent Jewellery Co.	422 Adelaide St. W., Toronto
Roberts, L.	10 Temperance St., Toronto
Royal Jewellery Mfg. Co.	9 Richmond St. E., Toronto
Strath-Craft	504 Riverside Dr., London
Traub Mfg. Co. of Canada, Limited	1922 Wyandotte St. E., Walkerville
Turner, Fred F.	50 King St. E., Hamilton
Universal Jewellery Mfg. Co.	284 Yonge St., Toronto
Vansom Products of Canada	95A King St. W., Toronto
Varley & Atkins Co.	4 Wellesley St., Toronto
Victoria Art Novelties Co. Ltd.	58 Richmond St. E., Toronto
Walker, Ben, Jewellery Ltd.	229 Yonge St., Toronto
Walker, Harry	6 Teraulay St., Toronto
Walker, J. and M.	108 Wellington St. W., Toronto
Wellings Mfg. Co. of Toronto Ltd.	67 Richmond St., Toronto
Williams Jewellery Co.	47 Duke St., Toronto
Wille, Frederick C., & Co.	20 Temperance St., Toronto
Windle, E. & Co.	521 Victoria Park Ave., Toronto

Directory of Firms in the Jewellery and Silverware Industry, 1959 — Concluded

Name of firm	Location of plant
(c) Jewellery Chiefly — Concluded	
Manitoba:	
Clay Law Limited	62 Albert St., Winnipeg
Dunn, W.E.	264 Portage Ave., Winnipeg
Ray-Serene Company, The	669 Main St., Winnipeg
Winnipeg Silver Plate Co.	786 Toronto St., Winnipeg
Saskatchewan:	
Kennedy, Logan R.	219-22nd St. E., Saskatoon
Thompson, S.	214 Birks Bldg., Saskatoon
Alberta:	
Baker, Bert, & Company	127 Eighth Ave. E., Calgary
Jedco Ltd.	10041-102nd St., Edmonton
British Columbia:	
Allbright Jewellery Co.	576 Seymour St., Vancouver
Bercha, F.E.	709 W. Georgia, Vancouver
Capital Mfg. Jewellers Ltd.	745 Yates St., Victoria
Carmichael, W.M.	1023 Fort St., Victoria
Diment Jewellers	Anchorage Rd., Lagoon
Flewelling, E.R.	18 Hastings St. W., Vancouver
Grimson & Sons Ltd.	163 Hastings St. W., Vancouver
Hawken & Co.	144 Hastings St. W., Vancouver
Jacoby Brothers Ltd.	434 Pender St., Vancouver
Jeffries & Co.	1028 Fort St., Victoria
Pallas, Mrs. Madge	1657 E. Hastings St., Vancouver
Peri Mfg. Co.	1226 Granville St., Vancouver
Pressed Metal Products Ltd.	446 Railway St., Vancouver
Schratter, B.	680 Robson St., Vancouver
Trayling, E.J.	509 Richards St., Vancouver
Trayling-Waters	576 Seymour St., Vancouver
Zuker Jewellery Co. Ltd.	193 Hastings St. E., Vancouver

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