



JEWELLERY AND SILVERWARE MANUFACTURERS

1961

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

ANNUAL CENSUS OF MANUFACTURES

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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.
- P preliminary figures.
- r revised figures.

EXPLANATORY NOTES

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

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

Period Covered

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

Establishment

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

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

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

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

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

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

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

Employees

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

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

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

Salaries and Wages

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

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

Cost of Fuel and Electricity

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

Materials and Supplies Used

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

Factory Shipments

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

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

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

Inventories

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

Value added by Manufacturing

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

Standard Industrial Classification

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

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

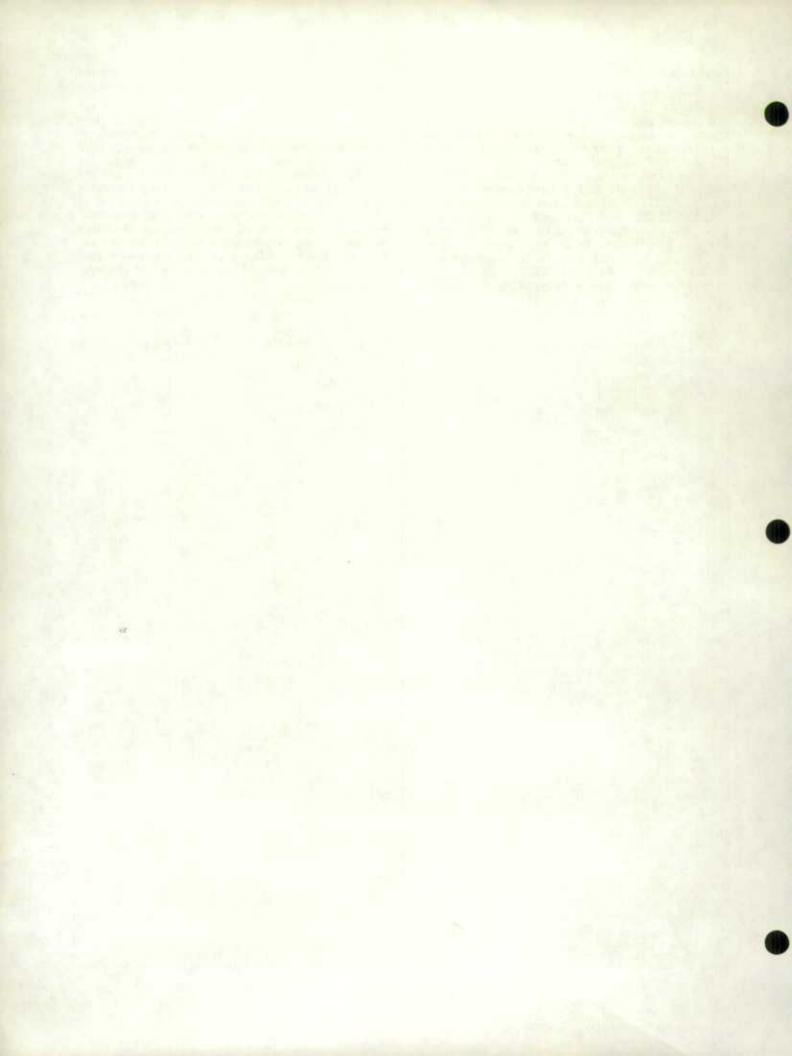
¹ To arrive at the National Accounts concept of ''gross domestic product at factor cost'', it would be necessary to subtract also the cost of advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing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

Short Forms

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

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

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



IEWELLERY AND SILVERWARE MANUFACTURERS

1961

For the 1961 survey year, the Bureau implemented a New Establishment Concept, bringing about certain revisions to this industry. This implementation of a new definition of the establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated some adjustments to the statistics. In order to maintain comparability of the principal statistics (Table 1) for recent years, the necessary adjustments were applied to the data back to 1957. (See also Explanatory Notes).

Tables 5 and 6 show, respectively, the shipments of jewellery and of silverware by all industries for the years 1952 to 1961, inclusive. It should be noted that, with the exception of these tables and of Table 1, only 1961 data are presented in this report in view of the changes outlined above.

As a result of increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in this report. It is planned to resume publication of these tables in the 1962 reports. The tables affected are the following: List of firms—Imports—Exports—Capital and Repair Expenditures.

TABLE 1. Principal Statistics, Jewellery and Silverware Manufacturers, Significant Years 1929-61

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	Value of shipments
		Basis	: Standard Ind	ustrial Class	ification in us	se prior to 1960	0
	nu	mber			dollars		
1929 1932	98 93	2,931 2,169	3, 998, 851 2, 322, 392	100, 912 72, 434	4,913,604 2,432,728	6,919,077 3,613,709	11. 933, 593 6, 118, 871
1937 193 9 1945	121 116 158	3,316 3,390 5,514	3,801,230 4,095,783 8,108,837	112,616 115,729 197,435	6,647,300 7,210,524 16,164,076	6,633,630 6,903,307 14,837,706	13,093,546 14,229,560 31,199,217
19 46	172 209	6,691	10, 507, 305 13, 160, 094	244, 177 291, 594	22, 873, 016 26, 878, 852	18, 411, 485 23, 587, 014	41,528,678 50,757,460
1955 1956 1957	221 220 220	5, 178 4, 877 4, 731	13,680,463 13,990,509 14,572,549	391,782 394,988 404,516	25,711,100 29,499,839 28,885,750	22, 245, 768 24, 171, 407 23, 502, 638	48,016,269 53,460,985 52,789,040
1958 1959	221 213	4,739 4,318	14, 935, 765 14, 622, 778	408, 378 374, 512	30, 147, 682 30, 654, 887	24, 085, 298 23, 986, 910	53,898,979 54,703,327
	Basis:	Revised S	Standard Indus	trial Classific	cation and Ne	w Establishme	nt Concept ²
	nu	mber			dollars		
1957	216 216 209	4.698 4.692 4.281	14,533,122 14,830,349 14,539,680	406,371 410,559 377,072	28, 836, 670 29, 939, 638 30, 481, 546	24,530,741 24,690,377	53, 329, 122 54, 132, 305 55, 194, 136
1960						=1011-	
Quebec Ontario Manitoba	88 106 4	1, 317 2, 688 31	4, 274, 042 10, 064, 075 89, 957	70.062 274.563 1.474	5,852,539 22,526,945 124,338	7,503,792 16,256,327 192,137	13, 451, 649 38, 635, 977 317, 385
Saskatchewan	2 3	} 17	73, 755	918	45, 380	132,774	178,941
British Columbia	15	136	515,442	5, 259	354, 796	731,542	1,087,780
Canada	218	4,189	15, 017, 271	352, 276	28, 903, 998	24, 816, 572	53, 671, 732
1961							
Quebec	88 111	1,353 2,906	4, 334, 057 10, 785, 282 92, 277	76, 251 292, 725 3, 029	6, 763, 525 22, 325, 741 159, 111	7, 193, 736 17, 684, 578 169, 620	13, 971, 384 40, 051, 528 331, 346
Ontario Manitoba	4	38	92, 211	0,023	1001111	1031020	201, 240
Ontario Manitoba Saskatchewan Alberta British Columbia	4 2 4 16	38 25 147	94, 120 534, 736	988	52, 251 346, 029	155, 608 783, 722	208, 216

¹ Figures up to and including 1951 represent the value of production.

² The implementation of a new definition of the establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated some adjustments to the statistics. In order to maintain comparability of the principal statistics for recent years, the necessary adjustments were applied to the data back to 1957. (See also Explanatory Notes).

TABLE 2. Inventories, 1 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
		doll	ars	
Opening:2	10001			
Quebec	2,304,238	239,785	2, 293, 181	4,837,204
Ontario	4,881,156	2,752,998	3,896,704	11,530,858
Other provinces	202,744	28,887	116,364	347, 995
Canada	7, 388, 138	3,021,670	6, 306, 249	16, 716, 057
Closing:				
Quebec	2,596,642	254, 434	2,340,660	5, 191, 736
Ontario	5,270,597	2,748,705	4, 152, 513	12, 171, 815
Other provinces	189,061	40,573	127, 117	356,751
Canada	8,056,300	3,043,712	6, 620, 290	17, 720, 302

TABLE 3. Factory Shipments, 1961

Product	Value
	\$
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 otherwise prepared without alloying, for resale to the arts and industries and other precious metal alloys not specified elsewhere.	
Gold	1,959,751
Other precious metals including alloys	5, 598, 411
Gold, leaf, gold filled wire and other gold filled stock	2
Jewellery	26,729,573
Church goods (chalices, etc.)	566, 222
Emblems, badges and medals	991,802
Hollow-ware, silver-plated on Britannia metal	3
Hollow-ware, silver-plated on nickel-silver	174.472
Hollow-ware, silver-plated on brass and copper	1, 291, 743
Hollow-ware, silver-plated on lead alloy	2
Hollow-ware, flatware and cutlery, sterling silver	2, 241, 950
Flatware and cutlery, silver-plated	2
Flatware, and cutlery, other, including stainless steel, other plated and other metal flatware, not plated	1,569,550
Jewellers' findings	675, 930
Prophies	1,306,323
Other products	11, 453, 417
Receipts for custom and repair work	1, 250, 921
Total value of shipments	55, 810, 065
Less adjustment for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above	133, 284
Total value of shipments (adjusted)	55, 676, 781

¹ Included with "Other precious metals".2 Included with "Other products".

Book value of all manufacturing inventories owned and held at plant and plant warehouses.
The opening inventory for 1961 differs from the closing inventory for 1960 because of the receipt of revised data, the inclusion of new establishments, the removal of figures for establishments which did not operate in 1961, changes in classification, and the implementation of the New Establishment Concept.

TABLE 4. Materials Used, 1961

Material	Value
	\$
recious metals:	
Gold:	
Fine:	6,102,171
New From old material	215,465
Gold alloys (18k, 12k, etc.)	1,396,311
Iridium	33,651
Palladium	475,425
Platinum	668, 224
Rhodium	162,027
Silver:	
Fine:	
Anodes	1,168,381
Other	1,965,614
Sterling Other silver alloys Old gold, waste and scrap for remelting and refining	1,864,385
Other silver alloys	31,559
Old gold, waste and scrap for remelting and retining	1,347,544
Gold-filled wire and other gold-filled stock	312,219
ase metals and alloys:	594
Aluminum Antimony metal	761
Antimony metal	461,454
Brass, including blanks for plating Britannia metal, including blanks for plating	33.865
Codmin metal	6,973
Cadmium metal Copper, including blanks for plating	247.071
Lead	14,287
Nickel	8,101
Nickel—Nickel-silver, including blanks for plating	409, 269
Tin	67,701
Other non-ferrous metals	202,618
ther materials:	00 000
Cutlery steel	83,299
Diamonds (for rings, etc.) Other precious and semi-precious stones	2,916,426
Other precious and semi-precious stones	775,364 218,852
Glass linings and blanks	60.089
Rouge and other polishes	476.195
Stainless steel	35, 805
Synthetic results and plastics	11,698
Pearl essence Beads for artificial or simulated pearls	490,112
Jewellers' findings	1,548,702
Jewellers' findings Shipping containers and packaging materials	466,880
All other materials and supplies ¹	5,367,565
Total	29,646,657

¹ No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$830,090 and this amount has been included in "All other materials and supplies."

TABLE 5. Shipments of Jewellery, by All Industries, 1952-61

Year	Value	Year	Value
	\$		\$
952	18,522,000	1957	21,205,000
953	20,580,000	1958	23,139,000
954	18,624,000	1959	24,527,000°
955	19,466,000	1960	27, 453, 000°
956	20,780,000	1961 ^p	27,520,000

¹ Precious, semi-precious and other.

TABLE 6. Shipments of Silverware, by All Industries, 1952-61

	Hollow	-ware, electro	plated	Flatware, and cutlery, electro- plated	Sterling silver hollow-ware, flatware and cutlery	Sterling silver toilet-ware and dresserware
Year	On Britannia metal	On nickel- silver	On other metal			
			doll	ars		
1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 ^P	128,809 137,156 74,665 82,045 63,121 78,616 46,872 44,231 28,383	75, 974 57, 412 8, 609 14, 253 69, 704 85, 156 96, 672 265, 220 289, 017 174, 472	1,863,895 1,827,887 1,515,514 1,634,999 1,238,322 1,218,897 1,272,499 1,021,664 1,022,102 1,423,795	5,647,955 6,668,069 6,159,148 6,155,926 5,878,192 6,736,236 4,762,431 3,515,776 3,677,970	2,388,972 2,747,692 2,511,545 2,454,031 2,083,917 2,164,659 1,976,523 2,432,105 2,338,839 2,241,950	310, 271 353, 422 279, 443 218, 609

¹ Confidential.

TABLE 7. Employees and their Earnings, by Province, 1961

		E	mployee	S	Earnings			
Province	Supervisory and office		Production workers		Total	Supervisory	Production	Total
	Male	Female	Male	Female		and office	workers	
		1	number				dollars	
Quebec	188	133	668	364	1,353	1,391,439	2, 942, 618	1 4, 334, 057
Ontario	440	296	1,329	841	2, 906	3,532,827	7, 252, 455	10, 785, 282
British Columbia	28	25	81	13	147	164,545	370, 191	534,736
Other provinces	13	6	38	6	63	66,954	119,443	186, 397
Canada	669	460	2, 116	1, 224	4, 469	5, 155, 765	10, 684, 707	15, 840, 472

TABLE 8. Production Workers, by Months, 1961

Month	Establishmer monthly		Establishments reporting quarterly detail ²		
	Male	Female	Male	Female	
		numb	er		
January February March April May	1,420 1,432 1,435 1,432 1,415	1,002 978 918 851 894	513	168	
June July August	1,437 1,457 1,479	915 986 1,066	505	173	
September October November	1,492 1,515 1,530	1, 097 1, 121 1, 127	514	187	
December	1,492	1, 040	531	177	
Average for establishments reporting monthly detail	******************	**********	1,462	999	
Average for establishments reporting quarterly detail			518	175	
Average for small establishments ³		********	136	50	
Average for all establishments			2,116	1, 224	

¹ The number of production workers, by months, was collected only for large establishments.
² The number of production workers, by quarters, was collected only for medium-size establishments.
³ The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.

TABLE 9. Principal Statistics, grouped according to size of Establishment, 1961

Size of shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of factory shipments
	nun	ber		do	llars	
Under \$10,000	27	39	83, 482	2,828	54.050	173, 692
\$ 10,000 to \$ 24,999	36	119	309, 972	8, 497	221, 300	594, 846
25,000 '' 49,999	25	122	371, 293	4,651	320, 767	938, 568
50,000 '' 99,999	39	311	1, 000, 167	17, 995	1,119,142	2,723,475
100,000 " 199,999	39	570	1, 953, 455	38,472	2, 459, 809	5, 663, 963
200,000 " 499,999	40	1, 434	4,731,539	88,624	6, 302, 436	13, 345, 704
500,000 " 999,999	11	556	1,888,648	38,567	3, 156, 442	7,062,854
1,000,000 and over (including head office)	8	1,318	5,501,916	179, 309	16, 012, 711	25, 173, 679
Totals	225	4, 469	15, 840, 472	378,943	29, 646, 657	55, 676, 781

TABLE 10. Principal Statistics, classified according to Type of Ownership, 1961

Type of ownership	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of factory shipments
	num	ber		do	llars	
Individual ownership	66	270	862, 139	10, 762	1, 144, 158	2, 577, 740
Partnerships	28	181	572, 326	9, 275	798, 106	1, 758, 820
Incorporated companies	131	4,018	14, 406, 007	358, 906	27, 704, 393	51, 340, 221
Totals	225	4, 469	15, 840, 472	378, 943	29, 646, 657	55, 676, 781

TABLE 11. Principal Statistics, classified by Number of Employees, 1961

Employment size	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of factory shipments
	num	ber		dol	lars	
Under 5 employees	78	190	570, 422	13, 991	629, 533	1,601,657
5 to 14 employees	74	632	2, 196, 847	32, 328	4,011,828	7, 692, 553
15 ** 49 **	48	1, 185	4, 150, 300	82, 601	6, 186, 538	13,069,989
50 " 99 "	18	1, 137	3,635,581	76, 256	6, 422, 242	12,522,631
100 and over (including head office)	7	1, 325	5, 287, 322	173, 767	12, 396, 516	20, 789, 951
Totals	225	4, 469	15, 840, 472	378, 943	29, 646, 657	55, 676, 781



TABLE 12. Fuel and Electricity Used, 1961

Kind	Quantity	Cost at plant
		\$
Establishments reporting commodity detail:1		
Bituminous coal:		
(a) From Canadian mines ton	280	5,178
(b) Imported	3,030	38, 084
Gasoline (including gasoline used in cars and trucks) Imp. gal.	39,618	16, 737
Fuel oil including kerosene or coal oil	298,081	50, 890
Gas:		
(a) Liquefied petroleum gases	21,929	5,535
(b) Other manufactured gas Mcf.	11, 290	6,081
(c) Natural gas	36, 131	33, 409
Other fuel	• • •	1,080
Electricity purchased kwh.	8,833,858	147, 884
Establishments reporting group detail:2		
Cost of fuel	***	25, 352
Cost of electricity	• • •	27, 379
	***	-1,515
Estimate for establishments for which no data were collected:3		
Cost of fuel and electricity	•••	21, 334
All establishments:		
Total cost of fuel and electricity	74	378,943

Large establishments.
 Medium-size establishments.
 Small establishments.