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CANADA

MANUFACTURERS OF PHARMACEUTICALS AND MEDICINES

1961

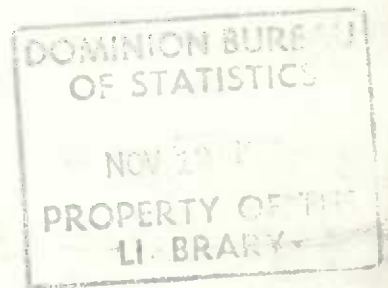
The list of firms normally included in this report has been omitted from this issue, along with certain tables. See introductory text for details.

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.

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.¹

Standard Industrial Classification

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

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

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

Short Forms

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

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

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

MANUFACTURERS OF PHARMACEUTICALS AND MEDICINES

1961

Data presented in this report under the heading of Manufacturers of Pharmaceuticals and Medicines reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the new Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of 1961 industry statistics—see items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report. For statistical purposes the industry titled Manufacturers of Pharmaceuticals and Medicines in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing drugs and medicines. This industry includes manufacturers of patent and proprietary medicines; veterinary medicines; vitamin products; cod liver oil preparations; and biological products, such as antitoxins, bacterins, serums, vaccines; as well as establishments primarily engaged in manufacturing antibiotics. Establishments primarily engaged in grinding drugs and herbs are also included.

For the most part, the changes in the structure of this industry as a result of the introduction of the new Standard Industrial Classification in 1960 were

of a relatively minor nature and, as a consequence, had only a minimal effect on the comparability of the statistics presented for this industry before the change to the new Standard Industrial Classification. Further changes in the structure of this industry due to the implementation of the new Establishment Concept in 1961 were similarly of a relatively minor nature and resulted mainly from the transfer of some plants to Wholesale Trade. The overall effect of these changes on this industry is reflected in the series of statistics presented in Table 1A and Table 1B. The former presents the statistics for this industry on the basis of the old Standard Industrial Classification in use prior to 1960 while the latter presents the statistics on the basis of the new Standard Industrial Classification and incorporating as well the changes due to the implementation of the new Establishment Concept.

As a result of increased work loads and staff shortages, it has been necessary to suspend publication of certain tables normally contained in the reports issued in the Census of Manufactures. It is planned to resume publication of these tables in the 1962 reports. In general the tables affected are the following: Directory of Firms, Imports, Exports and Capital and Repair Expenditures.

**TABLE 1A. Principal Statistics of the Medicinal and Pharmaceutical Preparations Industry,
Significant Years 1929-59**

Basis: Standard Industrial Classification in use prior to 1960

Year	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	Selling value of factory shipments
	number		dollars				
1929	140	2,849	3,672,373	110,065	6,300,894	12,627,935	19,038,894
1933	158	3,169	3,850,928	130,616	5,774,391	11,158,842	17,063,849
1937	174	4,296	5,311,120	175,551	8,808,929	15,830,167	24,814,647
1939	174	4,388	5,906,891	199,899	9,804,525	17,179,838	27,184,262
1945	204	8,329	12,707,220	410,717	22,941,566	36,978,645	60,330,928
1946	201	7,670	12,832,173	440,585	23,163,222	43,446,027	67,049,834
1949	218	7,658	16,116,592	593,187	22,900,555	48,008,393	71,502,135
1955	210	7,629	23,937,050	871,026	33,819,677	72,703,379	108,121,734
1956	212	7,801	25,953,213	924,013	38,009,475	83,300,272	122,592,220
1957	207	8,146	28,656,116	1,071,798	42,336,512	97,276,687	140,092,919
1958	196	7,996	29,847,315	1,084,043	44,289,303	111,162,375	155,006,181
1959	188	8,146	31,133,539	1,074,857	48,510,551	116,977,106	164,733,036

TABLE 1B. Principal Statistics, Manufacturers of Pharmaceuticals and Medicines, by Provinces, 1957 - 61

(Basis: Revised Standard Industrial Classification and New Establishment Concept)

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	Selling value of factory shipments
	number					dollars	
1957							
Newfoundland	1	} 13	33,825	948	55,210		228,842
Nova Scotia	1						
New Brunswick	1						
Quebec	81	3,858	14,253,233	624,976	20,210,742		60,606,568
Ontario	84	3,682	12,642,525	368,265	19,321,701		69,461,076
Manitoba	5	} 98	270,361	9,182	491,635		1,395,356
Alberta	1						
British Columbia	13	55	156,527	6,205	225,359		517,926
Canada	187	7,706	27,356,471	1,009,576	40,304,647		132,209,768
1958							
Newfoundland	1	} 23	71,308	3,486	142,033	270,231	415,159
Nova Scotia	1						
New Brunswick	1						
Quebec	78	3,758	14,501,192	617,345	20,640,786	48,307,624	68,198,535
Ontario	78	3,653	13,550,523	381,423	20,498,689	54,609,843	75,288,349
Manitoba	5	} 98	289,818	9,299	487,523	1,280,074	1,784,704
Alberta	1						
British Columbia	11	42	125,690	6,234	184,416	177,262	373,786
Canada	176	7,574	28,538,531	1,017,787	41,953,447	104,645,034	146,060,533
1959							
Newfoundland	1	} 15	45,199	1,830	86,479	210,718	296,689
Nova Scotia	1						
New Brunswick	1						
Quebec	77	3,772	14,829,745	565,437	22,526,664	51,563,105	74,004,433
Ontario	74	3,820	14,425,986	426,657	22,730,572	56,678,992	78,634,335
Manitoba	3	} 87	272,231	9,793	485,882	1,033,737	1,502,799
Alberta	1						
British Columbia	10	47	150,326	4,006	170,470	178,142	383,445
Canada	168	7,741	29,723,487	1,007,723	46,000,067	109,664,694	154,821,701
1960							
Nova Scotia	1	} 3,497	14,436,915	536,291	20,520,922	50,645,009	72,598,202
New Brunswick	1						
Quebec	82						
Ontario	82	4,128	16,267,911	476,338	23,497,241	62,624,334	85,745,670
Manitoba	4	} 88	282,771	10,960	468,905	1,088,369	1,554,583
Alberta	2						
British Columbia	9	49	168,000	4,300	194,100	278,976	472,997
Canada	181	7,762	31,155,597	1,027,889	44,681,168	114,636,688	160,371,452
1961							
Nova Scotia	1	} 3,358	14,510,240	520,059	23,242,404	52,666,645	75,180,332
New Brunswick	1						
Quebec	80						
Ontario	78	4,094	16,720,192	508,574	25,843,953	63,137,681	88,703,113
Manitoba	4	} 88	295,588	11,378	468,857	967,690	1,463,925
Alberta	1						
British Columbia	10	62	218,238	5,925	229,500	432,886	668,271
Canada	175	7,602	31,744,258	1,045,936	49,784,714	117,204,902	166,015,641

¹ Due to lack of inventory data "value added" is not available for 1957.

TABLE 2. Inventories:¹ Manufacturers of Pharmaceuticals and Medicines, 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Nova Scotia and New Brunswick	12,431	150	18,741	31,322
Quebec	5,438,169	2,151,581	6,724,960	14,314,710
Ontario	5,840,497	4,632,128	8,787,984	19,260,609
Manitoba	182,572	35,507	185,530	403,609
Alberta	—	—	—	—
British Columbia	226,419	3,000	35,160	264,579
Canada	11,700,088	6,822,366	15,752,375	34,274,829
Closing:				
Nova Scotia and New Brunswick	21,582	150	15,385	37,117
Quebec	6,456,013	2,505,783	7,622,890	16,584,686
Ontario	6,490,533	5,537,984	8,669,223	20,697,740
Manitoba	187,511	23,772	181,265	392,548
Alberta	—	—	—	—
British Columbia	98,172	3,000	35,200	136,372
Canada	13,253,811	8,070,689	16,523,963	37,848,463

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

(b) 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 during 1961, changes in classification, and the implementation of the New Establishment Concept.

TABLE 3. Factory Shipments: Manufacturers of Pharmaceuticals and Medicines, 1961

Product	Value of factory shipments
	\$
Medicines and pharmaceuticals:	
Registered as patent medicines and sold without all ingredients declared	24,585,549
Antibiotics and preparations:	
Penicillin preparations	4,797,336
Streptomycin preparations	178,680
Penicillin-streptomycin combinations	485,380
Other antibiotics and preparations thereof ¹	12,671,318
Sex hormones	2,933,281
Sulphonamide (sulpha) preparations with or without other active ingredients	2,515,797
Vitamins and preparations:	
Vitamins in bulk	2
Vitamins preparations in which the principal active ingredients are vitamins	15,009,582
Biologicals and vaccines (excluding sex hormones)	3,407,540
Oral antiseptics	2,209,027
Ethical specialties for human use, not elsewhere specified	65,609,572
All other human medicines	10,832,195
Veterinary medicines:	
Biologicals and vaccines	903,819
Antibiotic preparations and combinations	1,411,426
Sulphonamide preparations	138,431
All other veterinary medicines	2,436,175
Miscellaneous medicines and pharmaceuticals (including medicinal chemicals and feed supplements)	5,368,363
Total, medicines and pharmaceuticals	155,493,471
Disinfectants	212,469
Insecticides	288,985
Flavouring extracts	403,697
Toilet preparations	6,893,400
All other products ²	5,415,517
Total	168,707,539
Less adjustment for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above	2,691,898
Total	166,015,641

¹ Includes penicillin, streptomycin and other antibiotics as well as antibiotic preparations not elsewhere specified.

² Included with "All other human medicines".

³ Includes soap, packaged goods, fountain supplies and syrup and other such articles.

Note: Data given in this table are for the Manufacturers of Pharmaceuticals and Medicines Industry ONLY and represent only the production of the firms classified to this group. For the total Canadian output of medicinals see Table 5.

TABLE 4. Materials Used: Manufacturers of Pharmaceuticals and Medicines, 1961

Material	Quantity	Cost at plant
		\$
Acetanllid	lb. 10,343	5,674
Acetic acid (as 99½%)	" 29,879	5,978
Acetone	" 279,866	31,253
Acetylsalicylic acid	" 1,048,769	572,336
Benzoic acid	" 6,976	3,914
Boric or boracic acid	" 116,272	15,872
Chalk, ground	" 119,679	3,179
Chalk, precipitated	" 213,010	12,826
Citric acid	" 622,013	178,837
Bismuth metal	" 6,093	11,688
Bismuth salts	" 11,576	30,293
Caffeine	" 38,774	79,059
Camphor	" 47,356	28,363
Castor oil	" 43,649	12,295
Cod liver oil	" 184,647	44,399
Essential oils	" ..	188,365
Ether, sulphuric	lb. 61,845	17,438
Ethyl alcohol (including tax)	Imp. gal. 179,859	381,475
Gelatine capsules (for use in compounding)	" ..	383,136
Glucose	lb. 1,367,358	106,143
Glycerine, refined	" 961,696	309,870
Gums - Arabic	" 146,825	35,072
Karoya	" 98,790	37,620
Other	" 12,636	17,601
Iodine, crude	" 130,911	147,891
Herbs, roots and vegetable drugs:		
Raw or crude (ground or milled)	" ..	125,290
Extracts (powders and liquids)	" ..	209,867
Hydrochloric acid	" ..	8,769
Isopropyl alcohol	lb. 359,817	39,620
Lanolin	" 48,648	13,127
Magnesium sulphate (Epsom salts)	" 1,143,272	47,668
Malt extract	" 124,016	17,472
Menthol	" 20,109	120,174
Mercury metal	" 13,799	35,617
Methyl alcohol (methyl hydrate)	Imp. gal. 18,406	17,852
Mineral oil, white	lb. 986,152	133,448
Nitric acid	" ..	3,574
Paradichlorobenzene	lb. 112,054	15,022
Penicillin	" ..	925,255
Petroleum jelly	lb. 584,589	72,398
Phenacetin	" 257,194	209,515
Phenobarbital and other barbiturates	" 24,771	116,284
Phenol (carbolic acid)	" 7,328	3,499
Potassium iodide	" 13,333	20,037
Potassium sodium tartarate (Rochelle salt)	" 23,535	6,251
Pyrethrum	" 105	41
Silver bullion	" ..	-
Sodium bicarbonate	lb. 1,188,789	43,003
Sodium bromide	" 50,342	18,094
Sodium hydroxide	" 691,943	24,194
Sodium salicylate	" 11,090	5,618
Sodium sulphate	" 31,205	4,534
Starch	" 577,449	50,567
Stearic acid	" 243,840	45,972
Sulpha drugs	" ..	324,281
Sulphur	lb. 28,573	3,866
Sugar	" 4,625,932	346,720
Talc	" 685,117	34,692
Tartaric acid	" 100,716	45,031
Vitamins - A	" ..	563,397
B ¹ (thiamin chloride)	" ..	62,484
B ² (riboflavin)	" ..	128,189
C (ascorbic acid)	" ..	309,197
D	" ..	28,904
Wax - Beeswax	lb. 28,528	24,256
Paraffin	" 15,162	2,107
Other waxes	" 30,402	14,174
Bottles, boxes, labels, etc., and packing materials	" ..	15,501,484
All other materials and process supplies ¹	" ..	27,402,593
Total .....	...	49,784,714

¹ No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$1,592,000 in 1961, and this amount is included in "all other materials." The value of shipments actually reported by these small establishments was \$5,402,176.

TABLE 5. Factory Shipments:¹ Pharmaceuticals and Medicines (from All Industries), 1953 - 61

Year	Shipments
	\$
1953.....	87,098,000
1954.....	90,799,000
1955.....	100,878,000
1956.....	110,002,000
1957.....	126,297,000
1958.....	139,621,000
1959.....	154,334,000
1960.....	159,390,000
1961.....	165,551,000

¹ Shipments figures represent the total Canadian shipments, including some medicinals made in other industries.

TABLE 6. Principal Statistics classified according to Type of Ownership: Manufacturers of Pharmaceuticals and Medicines, 1961

Type	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Individual ownership.....	16	48	108,483	4,994	127,171	360,903
Partnerships.....	8	51	124,535	10,800	179,171	478,011
Incorporated companies.....	150	7,503	31,511,240	1,030,142	49,478,372	165,176,727
Co-operatives.....	1					
Totals.....	175	7,602	31,744,258	1,045,936	49,784,714	166,015,641

TABLE 7. Principal Statistics grouped according to Selling Value of Factory Shipments: Manufacturers of Pharmaceuticals and Medicines, 1961

Establishments reporting a value of factory shipments	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Under \$10,000.....	22	32	46,162	2,800	23,371	104,079
\$ 10,000 to \$ 24,999.....	15	47	90,759	6,514	70,967	233,988
25,000 " 49,999.....	20	100	300,138	9,300	226,483	727,878
50,000 " 99,999.....	14	97	255,573	15,475	280,749	994,101
100,000 " 199,999.....	19	268	816,421	41,602	858,021	2,718,698
200,000 " 499,999.....	31	698	2,340,792	84,731	3,385,882	10,197,641
500,000 " 999,999.....	13	538	2,038,035	69,659	2,934,836	8,743,196
1,000,000 " 4,999,999.....	33	3,017	12,630,406	513,608	26,315,946	82,435,783
5,000,000 and over.....	8	2,805	13,225,972	302,247	15,688,459	59,860,277
Totals.....	175	7,602	31,744,258	1,045,936	49,784,714	166,015,641

TABLE 8. Employees and their Earnings: Manufacturers of Pharmaceuticals and Medicines, 1961

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Quebec.....	913	796	833	804	3,346	9,280,348	5,198,089	14,478,437
Ontario.....	790	787	1,259	1,258	4,094	8,342,246	8,377,946	16,720,192
Manitoba.....	25	23	23	16	87	163,332	131,745	295,077
British Columbia.....	13	7	15	27	62	115,873	102,365	218,238
Other provinces.....	5	-	4	4	13	10,247	22,067	32,314
Canada.....	1,746	1,613	2,134	2,109	7,602	17,912,046	13,832,212	31,744,258



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CHEMICAL AND CHEMICAL PRODUCTS INDUSTRY

TABLE 9. Production Workers, by Months: Manufacturers of Pharmaceuticals and Medicines, 1961

Month	Establishments reporting monthly detail	
	Male	Female
January	1,962	1,770
February	1,987	1,811
March	1,987	1,874
April	1,993	1,948
May	2,000	1,986
June	2,010	2,008
July	2,063	1,900
August	2,045	1,952
September	2,022	1,986
October	2,018	1,950
November	2,028	1,946
December	1,965	1,899
Average for establishments reporting monthly detail	2,009	1,919
Average for small establishments ¹	125	190
Average for all establishments	2,134	2,109

¹ The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.

TABLE 10. Fuel and Electricity Used: Manufacturers of Pharmaceuticals and Medicines, 1961

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail:		
Bituminous coal:		
(a) From Canadian mines	ton 302	4,580
(b) Imported	" 3,150	40,799
Anthracite coal	" 65	904
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 386,078	166,277
Fuel oil including kerosene or coal oil	" 3,276,850	306,089
Gas:		
(a) Liquefied petroleum gases	" 12,219	3,855
(b) Natural gas	M cu. ft. 69,713	63,798
Electricity purchased	kwh. 31,401,058	363,667
Steam purchased .....	..	21,184
Other fuel .....	..	1,883
2. Estimate for establishments for which no data were collected:¹		
Cost of fuel and electricity .....	..	72,900
3. All establishments:		
Total cost of fuel and electricity .....	...	1,045,936

¹ No detailed information on fuel and electricity used was collected from small establishments.