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THE MEDICINAL AND PHARMACEUTICAL
PREPARATIONS 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 **Chemicals and Allied 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 B — Biennial M — Monthly S.C. — Special Compilation

Catalogue number	Title	Price
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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 MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY

1959

Factory shipments by the manufacturing plants in Canada which were engaged chiefly in making patent and proprietary medicines, pharmaceuticals and similar commodities were valued at \$164,733,036 in 1959, an increase of 6.3 per cent over the comparable figure of \$155,006,181 in 1958.

Of the 188 factories in this group in 1959, 85 were located in Quebec, 81 in Ontario, 10 in British Columbia, 5 in Manitoba, 3 in Newfoundland, 2 in New Brunswick, and 1 in Nova Scotia and Alberta. The total number of employees in 1959 was 8,146 compared with 7,996 in the previous year and payments in salaries and wages amounted to \$31,133,539 as against \$29,847,315 in 1958. Plants in Ontario accounted for 51.9 per cent of the Canadian output, while concerns in Quebec produced 46.7 per cent.

The concerns in this industry make medicinals and pharmaceuticals as their main products but they also manufacture other lines, such as toilet preparations, as a secondary part of their business. On the other hand some companies which have been

classified to other industrial groups make some medicinal preparations as minor products. The total Canadian output of medicinals, pharmaceuticals and biologicals, from all industries, amounted in value to \$154,334,000 in 1959 compared with \$139,621,000 in 1958 and \$126,297,000 in 1957.

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

TABLE 1. Principal Statistics of the Medicinal and Pharmaceutical Preparations 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 at plant of materials used	Value added by manufacture ¹	Gross selling value of products ¹
	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							
Newfoundland	4	29	77,768	4,720	188,412	319,740	505,887
Nova Scotia	1						
Quebec	86	3,943	14,989,731	625,788	21,178,292	50,118,275	70,655,146
Ontario	84	3,866	14,314,973	426,924	22,224,421	59,207,901	81,589,954
Manitoba	7	112	332,465	19,204	508,488	1,328,000	1,863,510
British Columbia	11	42	125,690	6,234	184,416	177,262	373,786
New Brunswick	2						
Alberta	1	4	6,688	1,173	5,274	11,197	17,898
Canada	196	7,996	29,847,315	1,084,043	44,289,303	111,162,375	155,006,181
1959							
Newfoundland	3	18	47,499	2,068	110,816	234,121	345,129
Nova Scotia	1						
Quebec	85	3,932	15,323,300	571,409	23,113,319	53,739,120	76,876,675
Ontario	81	4,042	15,288,267	476,601	24,595,776	61,725,178	85,512,720
Manitoba	5	102	313,727	18,685	511,627	1,082,207	1,586,198
British Columbia	10	47	150,326	4,006	170,470	178,142	383,445
New Brunswick	2						
Alberta	1	5	10,420	2,088	8,543	18,338	28,869
Canada	188	8,146	31,133,539	1,074,857	48,510,551	116,977,106	164,733,036

¹ See note to text.

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

TABLE 2. Inventories,¹ 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Newfoundland and Nova Scotia	35,180	400	17,376	52,956
Quebec	6,328,934	2,817,072	5,319,017	14,465,023
Ontario	5,156,829	3,326,707	6,282,519	14,766,055
Manitoba	215,458	28,334	157,723	401,515
British Columbia	92,502	4,202	62,146	158,850
New Brunswick and Alberta	1,265	123	237	1,625
Canada	11,830,168	6,176,838	11,839,018	29,846,024
Closing:				
Newfoundland and Nova Scotia	38,938	386	19,266	58,590
Quebec	5,576,558	2,839,959	5,843,303	14,259,820
Ontario	6,016,760	4,026,503	6,867,558	16,910,821
Manitoba	217,176	29,091	183,287	429,554
British Columbia	203,382	2,211	33,310	238,903
New Brunswick and Alberta	1,618	157	303	2,078
Canada	12,054,432	6,898,307	12,947,027	31,899,766

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 Medicinal and Pharmaceutical Preparations 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 revisions such as the addition of new plants, the transfer of plants to other industries and plants going out of business. However, the value added figures for the previous year have not been recalculated to allow for the revisions mentioned above.

TABLE 3. Products Made in the Medicinal and Pharmaceutical Preparations Industry, 1958 and 1959

Product	Value of factory shipments	
	1958	1959
	dollars	
Medicines and pharmaceuticals:		
Registered as patent medicines and sold without all ingredients declared	23,915,783	24,467,133
Antibiotics and preparations:		
Penicillin preparations	3,485,102	4,320,538
Streptomycin preparations	379,656	349,995
Penicillin-streptomycin combinations	1,041,028	1,030,263
Other antibiotics and preparations thereof ¹	13,023,490	15,113,098
Sex hormones	3,017,526	2,806,965
Sulphonamide (sulpha) preparations with or without other active ingredients	2,239,069	2,541,684
Vitamins and preparations:		
Vitamins in bulk	²	²
Vitamin preparations in which the principal active ingredients are vitamins	16,377,241	18,331,519
Biologicals and vaccines (excluding sex hormones)	8,788,324	6,120,321
Oral antiseptics	1,083,336	1,440,519
Ethical specialties for human use, not elsewhere specified	48,980,902	55,331,500
All other human medicines	11,966,506	10,992,715
Veterinary medicines	2,649,318	3,518,731
Disinfectants	255,614	270,167
Insecticides	490,890	441,287
Flavouring extracts	436,664	390,727
Toilet preparations	7,268,695	8,237,609
All other products ³	9,607,037	9,028,265
Totals	155,006,181	164,733,036

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 Medicinal and Pharmaceutical Preparations 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 in the Medicinal and Pharmaceutical Preparations Industry, 1958 and 1959

Material	1958		1959	
	Quantity	Cost at plant	Quantity	Cost at plant
		\$		\$
Acetanilid	lb. 7,651	3,915	9,263	4,663
Acetic acid (as 99½%)	" 31,162	4,933	15,618	2,948
Acetone	" 1,251,084	123,896	748,487	73,053
Acetylsalicylic acid	" 811,188	476,343	926,100	526,148
Benzoic acid	" 6,301	3,692	6,682	3,319
Boric or boracic acid	" 120,760	14,315	104,697	14,546
Chalk, ground	" 212,630	5,743	163,553	5,996
Chalk, precipitated	" 351,791	19,025	297,598	16,567
Citric acid	" 671,633	210,419	858,947	262,557
Bismuth metal	" 14,125	27,622	5,326	10,546
Bismuth salts	" 17,306	52,059	13,807	36,871
Caffeine	" 27,700	70,360	30,773	76,110
Camphor	" 51,316	30,680	48,270	29,367
Castor oil	" 42,751	13,057	34,999	10,043
Cod liver oil	" 316,147	72,335	254,591	52,512
Essential oils	" ..	236,477	..	214,895
Ether, sulphuric	lb. 70,957	13,219	59,672	15,189
Ethyl alcohol (including tax)	Imp. gal. 191,237	429,474	175,507	385,623
Gelatine capsules (for use in compounding)	" ..	327,680	..	354,525
Glucose	lb. 1,436,559	118,064	1,271,096	96,306
Glycerine, refined	" 991,967	343,147	1,085,197	387,269
Gums—Arabic	" 163,433	36,359	155,543	33,570
Karoya	" 98,881	32,979	95,416	30,730
Other	" 14,524	17,938	14,423	16,042
Iodine, crude	" 68,789	67,137	73,041	68,497
Herbs, roots and vegetable drugs:				
Raw or crude (ground or milled)	" ..	101,438	..	106,688
Extracts (powders and liquids)	" ..	148,252	..	156,437
Hydrochloric acid	lb. 1,188,103	210,529	741,214	168,325
Isopropyl alcohol	" 471,060	47,769	442,649	44,054
Lanolin	" 58,675	15,949	57,331	15,303
Magnesium sulphate (Epsom salts)	" 1,315,046	44,439	1,078,524	38,088
Malt extract	" 235,813	32,661	214,813	29,845
Menthol	" 23,444	126,001	22,888	118,869
Mercury metal	" 14,494	41,714	9,774	28,513
Methyl alcohol (methyl hydrate)	Imp. gal. 60,482	37,243	49,897	29,262
Mineral oil, white	lb. 1,626,850	193,407	1,775,197	212,366
Nitric acid	" 279,510	11,048	227,384	8,628
Paradichlorobenzene	" 274,959	34,258	204,364	23,767
Penicillin	" ..	720,761	..	893,338
Petroleum jelly	lb. 615,381	69,683	578,174	66,231
Phenacetin	" 151,228	151,723	174,623	170,241
Phenobarbital and other barbiturates	" 25,615	122,087	25,886	123,611
Phenol (carbolic acid)	" 6,518	4,572	7,325	5,625
Potassium iodide	" 26,596	41,598	14,279	24,557
Potassium sodium tartarate (Rochelle salt)	" 14,660	3,713	11,473	3,091
Pyrethrum	" 315	190	253	160
Silver bullion	troy oz. 103,400	90,785	—	—
Sodium bicarbonate	lb. 1,761,699	66,623	1,895,249	70,350

See footnote at end of table.

TABLE 4. Materials Used in the Medicinal and Pharmaceutical Preparations Industry, 1958 and 1959 - Concluded

Material	1958		1959	
	Quantity	Cost at plant	Quantity	Cost at plant
		\$		\$
Sodium bromide	lb. 50,462	18,428	52,913	19,028
Sodium hydroxide	" 3,871,855	70,855	2,946,134	57,544
Sodium salicylate	" 13,767	8,439	13,379	8,310
Sodium sulphate	" 103,396	4,169	107,920	4,495
Starch	" 630,354	56,436	641,910	55,256
Stearic acid	" 225,908	44,838	244,192	47,416
Sulpha drugs .....	..	482,234	..	475,121
Sulphur	lb. 42,570	4,225	24,590	3,080
Sugar	" 4,380,739	374,167	4,334,142	335,804
Talc	" 752,946	32,461	708,879	29,204
Tartaric acid	" 637,853	242,897	665,146	252,790
Vitamins - A .....	..	470,390	..	561,365
B ¹ (thiamin chloride) .....	..	95,896	..	137,274
B ² (riboflavin) .....	..	112,248	..	177,909
C (ascorbic acid) .....	..	354,312	..	406,064
D .....	..	36,140	..	105,811
Wax - Beeswax	lb. 67,735	61,064	74,003	65,253
Paraffin	" 61,637	14,267	46,306	11,700
Other waxes	" 39,280	24,469	63,761	20,993
Bottles, boxes, labels, etc., and packing materials .....	...	13,739,732	...	15,103,560
All other materials and process supplies ¹ .....	...	22,974,325	...	25,567,334
Totals .....	...	44,289,303	...	48,510,551

¹ No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$200,000. The total estimated value of materials used by these firms was \$1,975,107 and this amount is included in "All other materials and process supplies".

.. Figures not available.

... Figures not appropriate or not applicable.

TABLE 5. Production,¹ Imports and Exports of Medicinal and Pharmaceutical Preparations, 1950 - 59

Year	Production ² (selling value at factory)	Imports	Exports
		dollars	
1950	69,324,508	18,629,297	4,297,654
1951	82,131,000	22,427,000	6,037,000
1952	81,432,000	21,780,000	5,088,000
1953	87,098,000	22,417,000	5,659,000
1954	90,799,000	24,981,000	5,476,000
1955	100,878,000	24,599,000	4,248,000
1956	110,002,000	26,121,000	5,349,000
1957	126,297,000	28,392,000	6,835,000
1958	139,621,000	29,238,000	9,560,000
1959	154,334,000	32,428,000	6,758,000

¹ Production figures represent the total Canadian production, including some medicinals made in other industries.

² Factory shipments since 1952.

TABLE 6. Principal Statistics of the Medicinal and Pharmaceutical Preparations Industry, classified according to Type of Ownership, 1958 and 1959

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			
1958						
Individual ownership	19	58	98,005	5,093	145,685	312,957
Partnerships	5	18	41,624	2,564	74,170	250,712
Incorporated companies	171	7,920	29,707,686	1,076,386	44,069,448	154,442,512
Co-operatives	1					
Totals	196	7,996	29,847,315	1,084,043	44,289,303	155,006,181
1959						
Individual ownership	18	66	97,801	4,513	117,290	298,001
Partnerships	6	35	73,383	5,658	118,182	352,738
Incorporated companies	163	8,045	30,962,355	1,064,686	48,275,079	164,082,297
Co-operatives	1					
Totals	188	8,146	31,133,539	1,074,857	48,510,551	164,733,036

TABLE 7. Principal Statistics of the Medicinal and Pharmaceutical Preparations Industry, grouped according to Selling Value of Factory Shipments, 1958 and 1959

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			
1958						
Under \$10,000	29	46	66,367	4,943	52,549	155,404
\$ 10,000 to \$ 24,999	21	69	118,914	9,653	106,803	318,271
25,000 " 49,999	25	131	315,211	13,245	372,497	939,106
50,000 " 99,999	18	160	445,230	25,794	448,724	1,299,479
100,000 " 199,999	21	265	734,706	37,309	1,017,662	3,204,893
200,000 " 499,999	31	703	2,245,984	84,942	3,577,443	9,557,591
500,000 " 999,999	14	619	1,989,678	92,867	2,504,447	9,220,625
1,000,000 " 4,999,999	29	2,898	10,826,220	398,650	20,584,353	66,578,362
5,000,000 and over	8	2,863	12,170,590	416,640	15,624,825	63,732,450
Head offices .....	...	242	934,415	...	...	...
Totals	196	7,996	29,847,315	1,084,043	44,289,303	155,006,181
1959						
Under \$10,000	23	34	48,359	2,987	37,831	118,370
\$ 10,000 to \$ 24,999	20	74	124,740	9,062	98,413	317,836
25,000 " 49,999	17	95	225,159	9,070	237,195	652,855
50,000 " 99,999	22	213	562,060	36,230	595,979	1,643,951
100,000 " 199,999	25	394	968,679	49,286	1,201,656	3,820,202
200,000 " 499,999	31	739	2,493,379	99,224	3,869,796	10,919,560
500,000 " 999,999	12	573	1,859,240	80,588	2,549,269	8,576,546
1,000,000 " 4,999,999	28	2,669	10,318,213	370,806	19,892,890	63,549,976
5,000,000 and over	10	3,185	13,798,107	417,604	20,027,522	75,133,740
Head offices .....	...	170	735,603	...	...	...
Totals	188	8,146	31,133,539	1,074,857	48,510,551	164,733,036

... Figures not appropriate or not applicable.

TABLE 8. Employees and their Earnings in the Medicinal and Pharmaceutical Preparations Industry, 1958 and 1959

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1958								
Quebec	1,064	872	1,096	911	3,943	8,854,438	6,135,293	14,989,731
Ontario	645	731	1,183	1,307	3,866	6,743,142	7,571,831	14,314,973
Manitoba	26	25	35	26	112	174,202	158,263	332,465
British Columbia	11	4	11	16	42	70,267	55,423	125,690
Other provinces	9	2	9	13	33	49,009	35,447	84,456
Canada	1,755	1,634	2,334	2,273	7,996	15,891,058	13,956,257	29,847,315
1959								
Quebec	978	873	1,142	939	3,932	9,079,092	6,244,208	15,323,300
Ontario	708	734	1,243	1,357	4,042	7,379,777	7,908,490	15,288,267
Manitoba	26	24	27	25	102	161,273	152,454	313,727
British Columbia	12	5	23	7	47	74,567	75,759	150,326
Other provinces	6	1	8	8	23	28,393	29,526	57,919
Canada	1,730	1,637	2,443	2,336	8,146	16,723,102	14,410,437	31,133,539

TABLE 9. Production Workers, by Months, 1959

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	2,146	1,995
February	2,160	2,022
March	2,175	2,066
April	2,173	2,141
May	2,164	2,131
June	2,174	2,171
July	2,172	2,103
August	2,180	2,193
September	2,178	2,189
October	2,159	2,196
November	2,168	2,107
December	2,147	2,073
Average for establishments reporting monthly detail	2,168	2,116
Average estimated for small establishments ²	275	220
Average for all establishments	2,443	2,336

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

² For establishments generally reporting value of shipments of less than \$200,000, no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll which was then used in conjunction with estimated average earnings to arrive at number of workers.

TABLE 10. Capital and Repair Expenditures in the Medicinal and Pharmaceutical Preparations Industry, 1955 - 59

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
thousands of dollars							
1955	3,695	2,210	5,905	371	969	1,340	7,245
1956	5,123	3,333	8,456	401	962	1,363	9,819
1957	4,016	2,823	6,839	518	969	1,487	8,326
1958	5,870	3,432	9,302	482	1,227	1,709	11,011
1959 ^P	3,675	2,298	5,973	514	1,104	1,618	7,591

^P Preliminary figures.**TABLE 11. Imports into Canada and Exports of Medicinal and Pharmaceutical Preparations, 1958 and 1959**

	1958		1959	
	Quantity	Value	Quantity	Value
(a) Imports		\$		\$
Caffeine, and salts of	lb. 186,916	402,128	243,654	479,729
Cocaine	oz. 1,308	16,155	760	8,690
Codeine, and salts of	" 121,413	600,329	131,197	646,184
Opium and derivatives, n.o.p.	" 10,601	49,697	10,269	40,905
Quinine, salts of	oz. 78,946	24,728	50,607	14,567
Preparations of chemicals, weed-killing .....	..	3,121,319	..	2,829,718
Nicotine, salts of nicotine; preparations containing nicotine in a free or combined state, for dipping, spraying or fumigating, n.o.p.	lb. 47,730	37,145	45,328	34,119
Chloropicrin, ethylene oxide, methyl bromide, methyl formate, cyanides, carbon bisulphide, or mixture containing any of these, for combating destructive insects or pests ..	..	66,520	..	92,224
Preparations or chemicals, non-alcoholic, such as are used for disinfecting, dipping, spraying or fumigating, when in packages not exceeding three pounds each in weight ..	..	469,495	..	602,284
Preparations or chemicals, non-alcoholic, for disinfecting, dipping, spraying or fumigating, n.o.p., or manufacturing the same ..	..	8,397,337	..	10,511,961
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, dry .....	..	7,633,144	..	8,214,829
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, liquid, when containing not more than 2 1/2% of proof-spirit .....	..	1,814,397	..	1,692,929
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, all other .....	..	195,559	..	207,041
Menthol, natural or synthetic .....	..	236,939	..	291,916
Papaine .....	..	42,980	..	74,473
Spirits and strong waters of any kind, mixed with any ingredient or ingredients, and being known or designated as anodynes, elixirs, tinctures or medicines, n.o.p.	gal. 25,766	245,141	24,593	208,496
Non-alcoholic extract of cascara sagrada .....	..	26,393	..	37,865
Penicillin, and products of .....	..	753,887	..	1,070,129
Streptomycin, and products of .....	..	173,555	..	299,312
Sulpha drugs .....	..	499,427	..	564,644
Antibiotics, n.o.p. ....	..	4,431,941	..	4,506,202
Total imports .....	...	29,238,216	...	32,428,217

See footnotes at end of table.

TABLE 11. Imports into Canada and Exports of Medicinal and Pharmaceutical Preparations, 1958 and 1959 - Concluded

	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
(b) Exports				
Dipping, spraying and insecticide compounds	154, 554	..	16, 966
Penicillin, and products of	7, 173	..	13, 318
Streptomycin, and products of	92, 610	—	—
Antibiotics, n.o.p.	195, 365	..	489, 755
Medicinal and proprietary preparations	9, 110, 401	..	6, 238, 805
Total exports	9, 560, 103	...	6, 758, 844

Note: "n.o.p." means "not otherwise provided for" in the statistical classification.

.. Figures not available.

... Figures not appropriate or not applicable.

TABLE 12. Fuel and Electricity Used in the Medicinal and Pharmaceutical Preparation, Industry, 1959

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal:		
(a) From Canadian mines	ton 691	10, 491
(b) Imported	" 3, 479	44, 890
Anthracite coal	" 126	2, 225
Lignite coal	" 15	85
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 294, 995	128, 119
Fuel oil including kerosene or coal oil	" 4, 647, 615	422, 022
Gas:		
(a) Liquefied petroleum gases	" 5, 470	2, 227
(b) Other manufactured gas	Mcf 982	989
(c) Natural gas	" 35, 663	41, 515
Electricity purchased	kwh. 28, 375, 775	324, 728
Steam purchased .....	...	872
2. Estimate for establishments for which no data were collected: ²		
Cost of fuel and electricity .....	...	96, 694
3. All establishments:		
Total cost of fuel and electricity .....	...	1, 074, 857

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

² Establishments generally reporting value of shipments of less than \$200,000.

... Figures not appropriate or not applicable.

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1959

Name of firm	Location of plant
Newfoundland:	
Cheivers Foods Limited.....	95 Campbell Ave., St. Johns
Lilly, A.	56-58 Bond St., St. John's
McMurdo, T., Co., Ltd.....	210 Water St., St. John's
Nova Scotia:	
Minards Liniment Co. Ltd.....	4 Jenkins St., Yarmouth
New Brunswick:	
Baird Co. Ltd., The	66 King St., Woodstock
Row and Company	St. Stephens
Quebec:	
Abbott Laboratories Limited	1350 Cote-de-Liesse Road, Outremont
Accurate Mfg. Chemists Inc.	2625 Albert St., Montreal
Andal Laboratories Ltd.....	St-Romuald
Anglo-French Drug Co. Ltd.	209 St. Catherine St. E., Montreal
Arex Co. (Enrg.) The	253 Wolfe St., Lauzon
Ayerst, McKenna & Harrison, Limited	1025 Laurentien Blvd., St. Laurent
Bristol Laboratories of Canada, Ltd.....	286 St. Paul St. West, Montreal
Burroughs, Wellcome & Co. (Canada) Ltd.	60 Riverview Ave., Ville La Salle
Canada Drug Ltée	857 St. Maurice St., Montreal
Casgrain & Charbonneau Ltd.	445 St. Lawrence Blvd., Montreal
Ciba Co., Ltd.	200 Metropolitan Blvd., Dorval
Cie des Produits Biologiques Europa Ltd.	397 St. Joseph Blvd. W., Montreal
Cie des Produits Homah Inc.....	553 A Leclaire, Montreal
Cie Mathieu Limitée	66 Albert St., Sherbrooke
Cie Paula Ltée, La.....	21 St. Paul St. E., Montreal
Compagnie Parmaco-Chemique Inc.	12-253 Blvd. Reed, Montreal
Compagnie Pharmed Limitée	100 St. Paul St. W., Montreal
Corporation Pharmaceutique Francaise, Ltée.....	200, rue Vallée, Montreal
Cyanamid of Canada Ltd.....	5550 Royalmount Ave., Montreal 16, P.Q.
Dailiac Ltée.....	1405 Bishop St., Montreal
Dairy Association Co.	Rock Island
Davis & Lawrence Company (Canada) Ltd.....	845 Chatham, Montreal
Delmar Chemicals Limited.....	50 Victoria St., Lachine
Denver Chemical Mfg. Co.	8465 Devonshire Road, Montreal 9, P.Q.
Desautels Laboratories Ltd.	3580 Jarry Est., Montreal
Desbergers Limited.....	8490 St. Lawrence Blvd., Montreal
Dohow Chemical Co. Ltd., The.....	704 Notre-Dame St. W., Montreal
Esteye Co. of Canada.....	7705 - 18th Ave., St. Michel
Ex-Lax Limited	8510 Jeanne Mance, Montreal
Familex Products Ltd.	1600 Delorimier St., Montreal
Fortin, Sapin	Robertsonville
Frasier, Thornton & Co. Ltd.	Cookshire
Frost, Charles E., & Co.	350 Selby St., Westmount
Harris, J.A., Limited	4510 De la Roche St., Montreal
Herbo Remedies Reg'd.	3718 St. Denis St., Montreal
Hervay Remedies Ltd.	St. Basile
Hoffman-Laroche Limited.....	1956 Bourdon, St. Laurent
Horner, Frank W., Ltd.	5485 Ferrier St., Town of Mount Royal
Innerclean Co., The	809 William St., Montreal 3, P.Q.
Inter Lab Enrg.	116 Montée Cyr, Laval
Laboratoire Atlas Enrg.	4101 Notre Dame Est., Montreal
Laboratoire Bilophen Laboratory Inc.	2650 Beaubien St. E., Montreal
Laboratoire des Spécialités Pharmaceutiques et Médicaments Brevetes Inc.	3rd Ave West, Amos, P.Q.
Laboratoire Du. Cheptel Ltée.	810 Dupré, Beloeil
Laboratoire Demers Ltée	2721 Tremblay, St. Foy, Montreal
Laboratoire Lancet Ltée.....	1615 Lagachetière E., Montreal
Laboratoire Dr. Léo Lorrain, Ltée.	203 Place Youville, Montreal
Laboratoire Montphar	2420 Notre-Dame St. E., Montreal
Laboratoire Nadeau Limitée	100 St. Paul St. W., Montreal
Laboratoire Octo. Ltée.	920 Lecoc, Montreal
Laboratoire Ortho Medico Enrg.	1647 Fleury St. E., Montreal
Laboratoires St. Hubert Ltée.....	6631, rue St-André, Montreal
Laboratoire Vincent Inc.	999, Ave de Salaberry, Montréal
Les Laboratoire Laurence Enrg.....	5186 Chemin Cote des Neiges, Montreal
Lambert, Dr. J.O., Limitée	2234 St. Antoine St., Montreal
Laurentian Laboratoires, Ltd.....	442 St. Gabriel St., Montreal
Leeming Miles Pharmaceutical Inc.	5967 Monkland
Malinckrodt Chemical Works Limited	425 St. Patrick St., Ville La Salle

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1959 - Continued

Name of firm	Location of plant
Quebec - Concluded:	
Matol Research Ltd.	162 St-Laurent, Quebec
Merck & Co. Ltd.	Valleyfield
Metro Drug Ltd.	5701 Cote St Paul Rd., Montreal
Mowatt & Moore, Limited	64 Prince St., Montreal
Niruana Compagnie Ltée	St-Romuald D'Etchemin, Montreal
Nivea Pharmaceuticals Ltd.	5640 Pare St., Town of Mount Royal, Montreal, P.Q.
Nordic Biochemicals Ltd.	4324 St. Lawrence Blvd., Montreal
Pharmalab Ltd.	203 Youville Square, Montreal
Poulenc Limitée	8580 Esplanade, Montréal
Pratte, Arthur N. Ltd.	2019 St. Timothée, Montreal 24, Que.
Produits Gardo Ltée	77, rue Principale, Waterloo
Rawleigh, W.T., Co. Ltd., The	4005 Richelieu St., Montréal
Robapharm (Canada) Ltd.	St-Jérôme
Rougier Inc.	2055 Faward, Montreal
Sirois, Dr. N.A. Enrg.	St. Ann de la Pocatière
Scientific Concentrates Co.	Rouville
Schering Corporation Ltd.	8370 Labarre St., Montreal
Smith-Kline and French Inter-America Corp.	300 Laurentian Blvd., Ville St. Laurent
Soren inc.	175-3ieme Ave., Quebec
Speciality Pharmaceuticals Ltd.	286 St. Paul West, Montreal
St. Germain, Les Médicaments	411 Laurier St. E., Montreal
Squibb, E.R., & Sons of Canada Ltd.	2201 Cote-de-Liesse Rd., Montreal
Strong Cobb of Canada Ltd.	388 St. Paul St. West, Montreal
Valor Medica Inc.	100 St. Paul St. W., Montreal
Vanko Corporation Inc.	10541 Rue de Lorimer, Montreal, 12
Watkins, J.R., Co., The	350 St. Roch St., Montreal
White Laboratories Co. of Canada Ltd.	5100 Sax St., Montreal
Ontario:	
A.V.P. Ltd.	210 Wellington, Kingston
Accurate Laboratories	19 King St., London
Anca Pharmaceuticals (Div. of the Wonder Co. of Canada Ltd.)	99 Simcoe St., Oshawa
Arner Co. Ltd., The	30 Niagara St., Fort Erie North
Astra Pharmaceuticals (Canada) Ltd.	1139 College St., Toronto 4
Austin Laboratories Ltd.	Guelph
Baxter Laboratories of Canada Ltd.	Alliston
Bell-Craig Limited	91 Oxford St., Toronto
Brent Laboratories, Ltd.	62 Avenue Rd., Toronto
British Drug House (Canada) Ltd.	Barclay Ave., Queensway, Toronto
Buckley, W.K., Ltd.	559 College St., Toronto
Canada Pharmacal Company Limited	447 Talbot St., London
Chase, Dr. A.W., Medicine Co., Ltd.	Oakville
Comstock, W.H. Co., Ltd.	11 Court House Ave., Brockville
Connaught Laboratories	University of Toronto, Toronto
Cleveland's Drug Ltd.	2299 Dundas St. W., Toronto
Cress Laboratories	R.R. # 1, Kitchener
Druggists' Corporation, Limited	107-9 Duke St., Toronto
Eaton, T., Drug Co. Ltd., The	Hayter St., Toronto
Elmo Corn Salve	464 Winona Dr., Toronto
Fine Chemicals of Canada Limited	124 Pharmacy Ave., Toronto
Fleming Brothers Ltd.	Picton
Foster Dack Co., Ltd.	337 King St. W., Toronto
Galt Chemical Products Ltd.	Corner Beverly and Kerr Sts., Galt
Gama Pharmaceuticals Ltd.	3007A, Bathurst, Toronto
Glaxo-Allenbury's (Canada) Ltd.	Bartor Rd., Weston
Gryphon Laboratories Limited	20 Advance Rd., Toronto, 18.
Hanford, C.C., Mfg. Co. Ltd.	Kingston Rd. W., Brockville
Hartz, J.F., Co. Ltd., The	32 Grenville St., Toronto
Home-makers Products (Canada) Ltd.	36 Caledonia Rd., Toronto
Ingram & Bell Ltd.	256 McCaul St., Toronto
Jamieson, C.E. & Co. (Dominion) Ltd.	414 Riverside Drive, Windsor
Koegler Laboratories	22 McDougall Ave., Waterloo
Lewis-Howe Company	1415 Janette Ave., Windsor
Lilly, Eli, and Company, Canada, Ltd.	3650 Danforth Ave., Toronto
Luscoe Products Limited	559 Bathurst St., Toronto
McAlpine Pharmaceutical Ltd.	779 Vaughn Rd., Toronto
Maltby Bros. Ltd.	1124 Castlefield, Toronto
Marlatt, G.W., & Company	73 Nipigon, Willowdale
Marz Laboratories Ltd.	Highway 39, Tecumseh
Mentholatum Inter-American Inc., The	20 Lewis St., Fort Erie N.
Merrell, Wm. S., Co.	178 Talbot St., St. Thomas
Milburn, T., Co. Ltd., The	295 Danforth Rd., Toronto, Ont.
Milles Laboratories Ltd.	1131 Bloor St. W., Toronto

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1959 — Concluded

Name of firm	Location of plant
Ontario — Concluded:	
Moore-Thompson-Clinger Ltd.	1890 Burlington Street E., Hamilton
Mulveney's R.L., Remedies Ltd.	199 Ossington Ave., Toronto
Nixon Laboratories Ltd.	Orangeville
Northrop & Lyman Co. Ltd.	462-66 Wellington St. W., Toronto
Norwich Pharmacal Co. Ltd.	36-48 Caledonia Rd., Toronto
Novocol Chemical Mfg. Co. of Canada, Ltd.	11 Grenville St., Toronto
Noxema Chemical Co. of Canada, Ltd., The	77 Park Lawn Road, Toronto
Ortho Pharmaceutical Corp. (Canada) Limited	19 Green Belt Dr., Toronto
Ottway, C., Ltd.	170 Danforth Ave., Toronto
Parke, Davis & Co. Ltd.	Brockville
Penslar Co., The	1222 Lesperance Rd., Tecumseh
Pfizer Corporation	Arnprior, Ont.
Pharmo Products Ltd.	2 A Ellerbeck St., Toronto
Pinex Co., The	462 Wellington St. W., Toronto
Pinkham, Lydia E., Medicine Co.	University Ave., Cobourg
Pitman-Moore of Canada Ltd.	14 Dyas Rd., Don Mills
Powell, H., Chemical Co. Ltd., The	1 Lambert St., Bowmanville
Private Brand Packagers Limited	43 Hollinger Rd., Toronto
Procoll Mfg. Co. Ltd.	161 Dupont St., Toronto
Rexall Drug Company Limited	2501 Stanfield Rd., Cooksville
Ritchie, Harold F., & Company Ltd.	1860 Wilson Ave., Weston
Robert's Biological Laboratory Ltd.	331 Barlett Ave., Toronto
Rolls & Darlington Ltd.	419 Coxwell Ave., Toronto
Rundle, Geo. H., & Son Co. Ltd., The	Pitt St. and Dougal Ave., Windsor
Saunders, W.E., Ltd.	335 Richmond St., London
Scherer, R.P., Ltd.	1370 Argyle Road, Windsor
Shaw Research	Omeme
Sterling Drug Mfg. Ltd.	Yonge St. S., Aurora
Stevens, J., & Son Co. Ltd.	145 Wellington St. W., Toronto
Supreme Drug Ltd.	36 Northline Rd., Toronto
Sutcliffe & Bingham of Canada, Ltd.	295 Danforth Rd., Toronto
Templeton Limited	56 Colborne St., Toronto
Vick Chemical Inc.	180 Talbot St., St. Thomas
Wampole, Henry K., & Co. Ltd.	Perth
Warner-Lambert Canada Ltd.	727 King St. W., Toronto
Webber Pharmaceuticals Ltd.	393 Weston Rd., Toronto
Will, Charles R., & Co. Ltd.	571 Richmond St. N., London
Wyeth, John & Bro. (Canada) Ltd.	2109 Ottawa St., Windsor
Manitoba:	
Fahrney, Dr. Peter, & Sons Co.	256 Stanley St., Winnipeg
National Drugs Ltd.	1586 Wall St., Winnipeg
Rawleigh, W.T., Co. Ltd., The	589 Henry Ave., Winnipeg
Watkins, J.R., Co., The	Annabella and E. Higgins Sts., Winnipeg
Dr. White Medicine Co. Ltd.	373 Henderson Hwy., Winnipeg
Alberta:	
Harris Wondro Limited	1742-10th Ave., West, Calgary
British Columbia:	
B.C. Stanley Laboratories Ltd.	452 West Broadway, Vancouver
Gilead Mfg. Co.	157 Strathcona Rd., Chilliwack
Greens A.N.R. Ltd.	862 Balmoral Rd., Victoria
Kent Chemicals Ltd.	1292 Franklin St., Vancouver
Nephron Agency of Canada	3477 Kingsway, Vancouver
New Life Remedies Ltd.	2511 W. Broadway, Vancouver
Pacific Pharmaco Co. Ltd.	2077 West 37th Ave., Vancouver
Shirley Laboratories	562 Beatty St., Vancouver
Urist Chemical Laboratories	696 Clark Drive, Vancouver
Western Laboratories Limited	2780 Broadway East, Vancouver

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