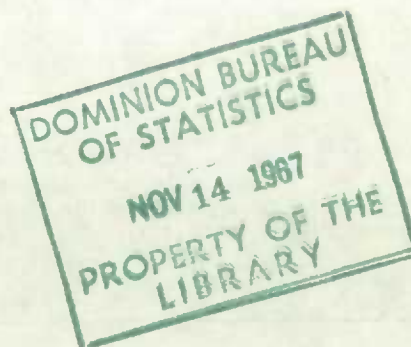


CATALOGUE No.

46-209

ANNUAL



# MANUFACTURERS OF PHARMACEUTICALS AND MEDICINES

1965

ANNUAL CENSUS  
OF MANUFACTURES

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## MANUFACTURERS OF PHARMACEUTICALS AND MEDICINES

1965

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 antibiotics, bacterins, serums, vaccines; as well as establishments primarily engaged in manufacturing antibiotics. Establishments primarily engaged in grinding drugs and herbs are also included.

Value of shipments and other revenue of the Manufacturers of Pharmaceuticals and Medicines industry totalled \$272 million, an increase of \$36 million over 1964. This amount included shipments of medicinals and pharmaceuticals products valued at \$212 million, shipments of other products (secondary products) valued at \$26 million, and other revenue of \$34 million.

This industry's shipments of medicinals and pharmaceuticals products represented 89 per cent of its manufacturing revenue. Secondary products shipped in 1965 included toilet preparations, insecticides, baby foods, etc.

The cost of materials and supplies, fuel and electricity, etc. (inputs), used in the production of goods of own manufacture, increased by \$15 million. Cost of inputs in 1965 represented 30.7 per cent of the value of shipments of own manufacture (outputs), compared to 30.0 per cent in 1964.

### SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.



TABLE 1. Principal Statistics, 1961 - 65

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000			\$'000	
<b>1961</b>													
Totals .....	174	4,202	9,143	13,832	1,037	49,830	165,201	116,705	25	79	9,826	46,190	123,577
<b>1962</b>													
Totals .....	167	4,173	9,058	14,256	1,085	51,684	175,249	123,060	23	65	10,057	48,898	129,503
<b>1963</b>													
Totals .....	173	4,203	9,097	14,987	1,187	54,483	193,718	139,307	25	76	10,418	52,708	145,281
<b>1964</b>													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick .....	x	x	x	x	x	x	x	x	x	x	x	x	x
Quebec .....	73	1,629	3,335	6,016	629	27,575	94,539	67,977	14	48	5,028	27,798	71,733
Ontario .....	84	2,511	5,264	9,493	646	33,755	109,855	76,455	x	x	5,408	27,399	78,516
Manitoba .....	5	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	1	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia .....	10	27	51	94	5	303	694	345	4	20	75	358	406
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	175	4,209	8,740	15,762	1,288	62,164	207,016	146,174	24	80	10,644	56,124	152,148
<b>1965</b>													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	71	1,698	3,515	6,701	691	37,475	113,203	78,219	12	40	5,310	31,261	82,014
Ontario .....	77	2,616	5,475	10,327	677	38,987	121,952	82,539	3	15	5,635	29,905	87,642
Manitoba .....	3	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	1	-	-	-	-	x	x	x	-	-	-	-	x
British Columbia .....	9	31	57	113	5	441	798	402	4	19	78	371	422
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	162	4,382	9,122	17,288	1,382	77,502	237,771	162,318	19	74	11,137	62,098	171,360

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

Size group	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.	'000	\$'000					\$'000	\$'000		\$'000			
<b>1964</b>													
Under \$10,000 .....	27	5	7	7	--	52	130	78	12	20	23	30	78
\$ 10,000 to \$ 24,999 .....	11	13	24	27	1	75	191	119	2	11	28	62	119
25,000 " 49,999 .....	20	28	56	79	7	287	722	437	6	32	67	243	448
50,000 " 99,999 .....	14	30	60	89	16	447	922	458	3	11	92	332	594
100,000 " 199,999 .....	15	105	210	276	28	806	2,092	1,205	--	--	182	703	1,407
200,000 " 499,999 .....	26	342	709	1,026	68	2,370	7,677	5,194	1	6	622	2,489	5,592
500,000 " 999,999 .....	15	327	675	991	77	2,761	10,334	7,742	--	--	778	3,545	8,469
1,000,000 " 4,999,999 .....	32	1,478	3,026	5,391	577	25,017	73,661	48,910	--	--	3,540	18,670	52,468
5,000,000 and over .....	15	1,881	3,972	7,876	513	30,349	111,286	82,031	--	--	5,122	28,880	83,083
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	190	1,168	(110)
<b>Totals .....</b>	<b>175</b>	<b>4,209</b>	<b>8,740</b>	<b>15,762</b>	<b>1,288</b>	<b>62,164</b>	<b>207,016</b>	<b>146,174</b>	<b>24</b>	<b>80</b>	<b>10,644</b>	<b>56,124</b>	<b>152,148</b>
<b>1965</b>													
Under \$10,000 .....	13	--	--	--	--	36	91	51	5	13	8	12	51
\$ 10,000 to \$ 24,999 .....	16	17	33	38	2	125	291	178	4	15	36	83	178
25,000 " 49,999 .....	16	31	58	75	6	272	612	382	6	30	59	208	406
50,000 " 99,999 .....	14	29	57	74	6	455	982	507	3	10	88	283	589
100,000 " 199,999 .....	12	91	188	264	20	756	1,790	1,052	--	--	180	735	1,564
200,000 " 499,999 .....	29	403	802	1,188	91	3,307	8,951	5,655	1	6	708	2,864	6,197
500,000 " 999,999 .....	16	343	693	1,138	61	3,598	12,122	8,560	--	--	777	3,747	9,155
1,000,000 " 4,999,999 .....	29	1,417	2,954	5,516	617	27,745	74,041	47,863	--	--	3,346	18,584	52,913
5,000,000 and over .....	17	2,051	4,337	8,996	579	41,208	138,891	98,070	--	--	5,746	34,392	100,402
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	189	1,189	(96)
<b>Totals .....</b>	<b>162</b>	<b>4,382</b>	<b>9,122</b>	<b>17,288</b>	<b>1,382</b>	<b>77,502</b>	<b>237,771</b>	<b>162,318</b>	<b>19</b>	<b>74</b>	<b>11,137</b>	<b>62,098</b>	<b>171,360</b>

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

Size group	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.	'000	\$'000					\$'000	\$'000		\$'000			
<b>1964</b>													
Under \$10,000 .....	34	14	23	22	1	125	253	127	13	24	44	67	127
\$ 10,000 to \$ 24,999 .....	19	31	60	84	10	364	660	293	7	36	65	235	418
25,000 " 49,999 .....	20	39	78	115	17	483	1,236	699	3	14	110	403	768
50,000 " 99,999 .....	11	68	136	180	16	569	1,408	823	1	6	121	485	916
100,000 " 199,999 .....	19	251	518	779	55	1,839	4,902	2,941	--	--	410	1,539	3,269
200,000 " 499,999 .....	21	359	729	1,010	89	4,249	11,254	7,162	--	--	718	3,150	7,458
500,000 " 999,999 .....	18	631	1,284	2,219	225	6,597	19,639	12,976	--	--	1,228	5,597	13,538
1,000,000 " 4,999,999 .....	26	1,964	4,156	7,730	615	29,867	101,390	72,265	--	--	5,059	27,831	75,566
5,000,000 and over .....	7	852	1,756	3,622	280	18,073	66,275	48,888	--	--	2,699	15,648	50,197
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	190	1,168	(110)
<b>Totals .....</b>	<b>175</b>	<b>4,209</b>	<b>8,740</b>	<b>15,762</b>	<b>1,288</b>	<b>62,164</b>	<b>207,016</b>	<b>146,174</b>	<b>24</b>	<b>80</b>	<b>10,644</b>	<b>56,124</b>	<b>152,148</b>
<b>1965</b>													
Under \$10,000 .....	21	6	11	12	1	118	228	106	5	13	24	45	106
\$ 10,000 to \$ 24,999 .....	23	39	74	93	6	429	811	380	11	52	67	191	410
25,000 " 49,999 .....	11	24	47	58	5	260	654	380	2	3	54	201	409
50,000 " 99,999 .....	13	61	121	155	15	653	1,552	940	--	--	152	515	1,018
100,000 " 199,999 .....	19	299	596	872	59	2,161	4,891	2,745	1	6	485	1,851	3,549
200,000 " 499,999 .....	22	314	632	974	71	3,856	10,709	7,020	--	--	645	2,960	7,519
500,000 " 999,999 .....	19	667	1,369	2,404	203	9,067	22,651	13,673	--	--	1,314	6,352	14,396
1,000,000 " 4,999,999 .....	23	1,751	3,761	7,279	627	32,856	93,435	61,348	--	--	4,356	24,617	65,603
5,000,000 and over .....	11	1,221	2,510	5,440	397	28,104	102,750	75,725	--	--	3,851	24,176	78,444
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	169	1,189	(96)
<b>Totals .....</b>	<b>162</b>	<b>4,382</b>	<b>9,122</b>	<b>17,288</b>	<b>1,382</b>	<b>77,502</b>	<b>237,771</b>	<b>162,318</b>	<b>19</b>	<b>74</b>	<b>11,137</b>	<b>62,098</b>	<b>171,360</b>

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1964													
Under \$10,000	34	14	23	22	1	125	253	127	13	24	44	67	127
\$ 10,000 to \$ 24,999	16	23	45	65	6	246	504	266	6	27	45	147	265
25,000 "	19	30	62	92	16	439	1,075	632	4	21	75	318	644
50,000 "	14	83	163	217	19	650	1,591	863	1	6	165	582	1,062
100,000 "	17	185	384	551	44	1,446	3,999	2,459	-	-	308	1,179	2,595
200,000 "	23	415	842	1,202	99	4,552	11,666	7,265	-	-	802	3,379	7,761
500,000 "	19	650	1,320	2,267	206	7,041	20,487	13,427	-	-	1,275	5,873	14,027
1,000,000 "	26	1,957	4,145	7,724	637	29,592	101,146	72,247	-	-	5,041	27,761	75,580
5,000,000 and over	7	852	1,756	3,622	260	16,073	66,275	48,888	-	-	2,699	15,648	50,199
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	190	1,168	(110)
<b>Totals</b>	<b>175</b>	<b>4,209</b>	<b>8,740</b>	<b>15,762</b>	<b>1,288</b>	<b>62,164</b>	<b>207,016</b>	<b>146,174</b>	<b>24</b>	<b>80</b>	<b>10,644</b>	<b>56,124</b>	<b>152,148</b>
1965													
Under \$10,000	21	6	11	12	1	118	228	106	5	13	24	45	106
\$ 10,000 to \$ 24,999	21	33	62	81	5	362	688	344	11	52	57	161	354
25,000 "	12	28	55	67	4	308	729	388	2	3	58	205	413
50,000 "	13	59	118	152	15	637	1,482	880	-	-	149	510	954
100,000 "	17	227	451	604	47	1,818	4,245	2,426	1	6	369	1,323	2,555
200,000 "	22	328	661	1,055	70	3,627	10,181	6,426	-	-	613	2,671	6,900
500,000 "	21	685	1,400	2,477	193	8,358	22,389	14,004	-	-	1,294	6,397	14,981
1,000,000 "	24	1,795	3,854	7,401	651	33,969	95,081	62,019	-	-	4,533	25,420	66,748
5,000,000 and over	11	1,221	2,510	5,440	397	28,104	102,750	75,725	-	-	3,851	24,176	78,443
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	189	1,189	(96)
<b>Totals</b>	<b>162</b>	<b>4,382</b>	<b>9,122</b>	<b>17,288</b>	<b>1,382</b>	<b>77,502</b>	<b>237,771</b>	<b>162,318</b>	<b>19</b>	<b>74</b>	<b>11,137</b>	<b>62,098</b>	<b>171,360</b>

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
1964													
Under 5 employed	60	44	84	118	16	637	1,541	909	22	71	109	321	922
5 - 14 employed	29	128	259	362	41	1,304	3,887	2,488	1	4	257	1,056	2,740
15 - 49 "	35	464	959	1,381	130	5,520	16,650	11,079	1	6	956	4,282	11,641
50 - 99 "	22	869	1,763	3,008	265	12,196	34,544	22,264	-	-	1,650	7,513	23,673
100-199 "	16	868	1,777	3,244	340	16,942	57,122	40,852	-	-	2,382	13,343	42,772
200-499 "	10	1,042	2,184	4,287	380	16,873	66,095	49,448	-	-	3,085	17,036	50,360
500 employed and over	3	794	1,713	3,362	117	8,693	27,177	19,134	-	-	2,015	11,404	20,150
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	190	1,168	(110)
<b>Totals</b>	<b>175</b>	<b>4,209</b>	<b>8,740</b>	<b>15,762</b>	<b>1,288</b>	<b>62,164</b>	<b>207,016</b>	<b>146,174</b>	<b>24</b>	<b>80</b>	<b>10,644</b>	<b>56,124</b>	<b>152,148</b>
1965													
Under 5 employed	45	29	55	68	10	715	1,941	1,199	15	60	76	220	1,219
5 - 14 employed	29	119	235	317	29	1,344	3,966	2,624	3	8	242	955	2,702
15 - 49 "	38	571	1,154	1,763	132	6,420	18,019	11,680	1	6	1,098	4,903	12,799
50 - 99 "	19	720	1,496	2,708	274	14,902	35,549	22,169	-	-	1,432	7,118	23,892
100-199 "	17	1,021	2,074	3,953	406	21,648	68,179	47,195	-	-	2,634	15,049	49,728
200-499 "	11	1,182	2,465	5,183	400	21,533	79,539	58,568	-	-	3,430	20,408	60,987
500 employed and over	3	740	1,643	3,296	132	10,941	30,577	18,883	-	-	2,036	12,257	20,129
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	189	1,189	(96)
<b>Totals</b>	<b>162</b>	<b>4,382</b>	<b>9,122</b>	<b>17,288</b>	<b>1,382</b>	<b>77,502</b>	<b>237,771</b>	<b>162,318</b>	<b>19</b>	<b>74</b>	<b>11,137</b>	<b>62,098</b>	<b>171,360</b>



TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000			\$'000			\$'000	
<b>1964</b>													
Individual ownerships .....	14	19	34	47	3	197	372	177	15	53	22	54	188
Partnerships .....	6	5	10	17	6	96	204	109	9	28	7	22	110
Incorporated companies .....	155	4,185	8,695	15,697	1,279	61,871	206,440	145,889	...	...	10,425	54,880	151,960
Co-operatives .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	190	1,168	(110)
<b>Totals .....</b>	<b>175</b>	<b>4,209</b>	<b>8,740</b>	<b>15,762</b>	<b>1,288</b>	<b>62,164</b>	<b>207,016</b>	<b>146,174</b>	<b>24</b>	<b>80</b>	<b>10,644</b>	<b>56,124</b>	<b>152,148</b>
<b>1965</b>													
Individual ownerships .....	11	18	35	45	3	217	411	195	12	48	22	52	206
Partnerships .....	4	6	11	16	1	87	188	82	7	26	8	23	82
Incorporated companies .....	147	4,358	9,075	17,228	1,379	77,199	237,173	162,040	...	...	10,918	60,834	171,167
Co-operatives .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	189	1,189	(96)
<b>Totals .....</b>	<b>162</b>	<b>4,382</b>	<b>9,122</b>	<b>17,288</b>	<b>1,382</b>	<b>77,502</b>	<b>237,771</b>	<b>162,318</b>	<b>19</b>	<b>74</b>	<b>11,137</b>	<b>62,098</b>	<b>171,360</b>

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
	\$'000					
<b>Output</b>						
1. Shipments and other revenue .....	207,016	237,771	28,761	33,868	235,777	271,639
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	9,640	10,844	...	...	9,640	10,844
Finished goods .....	18,701	21,227	...	...	18,701	21,227
Deduct opening—Goods in process .....	8,272	9,833	...	...	8,272	9,833
Finished goods .....	17,458	18,807	...	...	17,458	18,807
2. Net inventory change .....	2,611	3,431	...	...	2,611	3,431
3. Gross output (1 + 2) .....	209,627	241,202	28,761	33,868	238,388	275,070
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	18,801	21,913	18,801	21,913
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	4,894	4,788	4,894	4,788
Deduct closing .....	...	...	4,581	5,484	4,581	5,484
5. Cost of goods sold (not of own manufacture) .....	...	...	19,114	21,217	19,114	21,217
6. Materials, supplies, etc. ....	62,164	77,502	3,673	3,610	65,837	81,112
7. Fuel and electricity .....	1,288	1,382	...	...	1,288	1,382
8. Gross input (5 + 6 + 7) .....	63,452	78,884	22,787	24,827	86,239	103,711
<b>Value added (3 - 8) .....</b>	<b>146,174</b>	<b>162,318</b>	<b>5,974</b>	<b>9,041</b>	<b>152,148</b>	<b>171,360</b>



TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Admini- trative and office		Sales and distribution		Total		Production and related workers		Admini- strative and office	Sales and distrib- ution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1964															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
New Brunswick .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Quebec .....	832	797	15	13	1,063	899	1,215	194	3,125	1,903	6,016	103	11,718	9,961	
Ontario .....	1,266	1,245	8	14	905	879	968	123	3,147	2,261	9,493	78	10,135	7,692	
Manitoba .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alberta .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
British Columbia .....	13	14	-	-	18	10	14	6	45	30	94	-	148	116	
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Totals .....</b>	<b>2,138</b>	<b>2,071</b>	<b>23</b>	<b>27</b>	<b>2,013</b>	<b>1,813</b>	<b>2,227</b>	<b>332</b>	<b>6,401</b>	<b>4,243</b>	<b>15,762</b>	<b>182</b>	<b>22,197</b>	<b>17,984</b>	
1965															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia .....	x	x	-	-	-	x	-	-	x	x	x	-	x	-	
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Quebec .....	881	817	10	8	1,084	900	1,380	230	3,355	1,955	6,701	68	12,762	11,730	
Ontario .....	1,293	1,323	18	28	894	896	1,023	160	3,228	2,407	10,327	137	10,626	8,815	
Manitoba .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alberta .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
British Columbia .....	15	16	-	-	16	12	13	6	44	34	113	-	132	127	
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Totals .....</b>	<b>2,212</b>	<b>2,170</b>	<b>28</b>	<b>36</b>	<b>2,015</b>	<b>1,826</b>	<b>2,441</b>	<b>409</b>	<b>6,696</b>	<b>4,441</b>	<b>17,288</b>	<b>205</b>	<b>23,713</b>	<b>20,891</b>	

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January .....	1,974	1,877	2,063	1,906
February .....	1,995	1,898	2,077	1,944
March .....	2,020	1,931	2,100	1,971
April .....	2,032	1,942	2,091	1,984
May .....	2,069	1,943	2,118	2,051
June .....	2,060	1,995	2,152	2,177
July .....	2,052	1,950	2,111	2,116
August .....	2,077	1,968	2,149	2,081
September .....	2,044	2,016	2,065	2,097
October .....	2,049	2,009	2,112	2,134
November .....	2,049	1,990	2,131	2,115
December .....	2,049	1,941	2,147	2,095
Averages .....	2,041	1,894	2,115	2,061
Establishments reporting annual averages (small establishments only) .....	97	177	97	109
Average for all establishments .....	2,138	2,071	2,212	2,170

TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-
Nova Scotia .....	x	-	x	x	-	x
New Brunswick .....	-	-	-	-	-	-
Quebec .....	7,774	3,639	8,072	19,485	2,526	22,010
Ontario .....	9,865	6,147	10,418	26,430	2,179	28,609
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	-	-	-	-	-	-
Alberta .....	x	x	x	x	x	x
British Columbia .....	102	25	92	218	-	218
Yukon and Northwest Territories .....	-	-	-	-	-	-
<b>Totals .....</b>	<b>17,994</b>	<b>9,833</b>	<b>18,807</b>	<b>46,634</b>	<b>4,788</b>	<b>51,422</b>
Closing:						
Newfoundland .....	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-
Nova Scotia .....	x	-	x	x	-	x
New Brunswick .....	-	-	-	-	-	-
Quebec .....	9,860	4,810	10,082	24,752	2,599	27,352
Ontario .....	9,809	5,945	10,871	26,625	2,822	29,447
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	-	-	-	-	-	-
Alberta .....	x	x	x	x	x	x
British Columbia .....	144	67	100	311	-	311
Yukon and Northwest Territories .....	-	-	-	-	-	-
<b>Totals .....</b>	<b>20,084</b>	<b>10,844</b>	<b>21,227</b>	<b>52,155</b>	<b>5,484</b>	<b>57,639</b>

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
<b>I. Large establishments reporting commodity detail:</b>				
Bituminous coal:				
(a) From Canadian mines .....	ton	269	298	5
(b) Imported .....	"	1,964	1,717	23
Sub-bituminous coal (from Alberta mines only) .....	"	-	-	-
Anthracite coal .....	"	-	-	-
Lignite coal .....	"	-	-	-
Coke .....	"	-	-	-
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	645,730	833,523	308
Fuel oil including kerosene or coal oil .....	"	3,493,207	3,491,034	339
Wood .....	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	19,798	21,150	5
(b) Other manufactured gas .....	M cu. ft.	-	-	-
(c) Natural gas .....	"	148,781	140,660	119
Other fuel .....	...	...	...	...
Electricity purchased .....	kwh.	43,275,288	46,919,526	529
Steam purchased .....	...	...	...	15
<b>2. Small establishments not reporting commodity detail:</b>				
Estimate for fuel and electricity .....	...	55	...	40
<b>3. All establishments:</b>				
<b>Total fuel and electricity used .....</b>	...	<b>1,288</b>	...	<b>1,382</b>

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965		
	Quantity	Cost \$'000	Quantity	Cost \$'000	
<b>I. Materials used:</b>					
Acetone.....	lb.	1,061,581	89	3,986,056	303
Acetylsalicylic acid.....	"	1,355,967	749	1,435,375	785
Benzoic acid.....	"	6,092	3	6,216	3
Chalk, ground.....	"	166,546	5	50,667	2
Chalk, precipitated.....	"	152,598	11	201,195	14
Citric acid.....	"	572,472	166	657,149	221
Bismuth salts.....	"	14,791	49	33,795	111
Caffeine.....	"	45,180	79	51,985	83
Camphor.....	"	58,752	38	59,294	38
Castor oil.....	"	47,820	15	49,368	14
Cod liver oil.....	"	147,505	34	107,569	26
Essential oils.....	"	..	167	..	204
Ethyl alcohol (including tax).....	Imp. gal.	188,778	410	176,181	358
Gelatine capsules (for use in compounding).....	"	..	656	..	1,000
Glucose.....	lb.	1,463,987	122	1,788,111	148
Glycerine, refined.....	"	976,419	282	978,539	319
Gums:					
Arabic.....	"	117,049	31	144,273	39
Karoya.....	"	70,968	44	168,703	89
Other.....	"	21,381	26	29,176	33
Iodine, crude.....	"	9,266	13	7,264	18
Herbs, roots and vegetable drugs:					
Raw or crude (ground or milled).....	"	..	178	..	207
Extracts (powders and liquids).....	"	..	114	..	108
Isopropyl alcohol.....	lb.	914,371	107	5,408,231	402
Magnesium sulphate (Epsom salts).....	"	1,026,929	40	983,095	38
Malt extract.....	"	97,973	15	93,076	15
Menthol.....	"	25,825	125	25,408	89
Mercury metal.....	"	618	2	535	4
Methyl alcohol (methyl hydrate).....	Imp. gal.	44,865	37	152,540	106
Mineral oil, white.....	lb.	1,108,572	149	1,032,041	144
Penicillin.....	"	..	1,923	..	2,671
Petroleum jelly.....	lb.	674,263	91	666,970	103
Phenacetin.....	"	244,628	183	201,156	162
Phenobarbital and other barbiturates.....	"	50,537	236	76,035	401
Potassium iodide.....	"	13,710	23	10,707	17
Sodium bicarbonate.....	"	982,849	40	1,159,551	48
Sodium bromide.....	"	51,871	19	53,896	19
Sodium sulphate.....	"	302,081	19	157,918	6
Starch.....	"	728,330	70	1,134,747	104
Stearic acid.....	"	288,590	65	292,813	72
Sulpha drugs.....	"	..	273	..	270
Sugar.....	lb.	5,136,704	592	5,566,852	464
Talc.....	"	715,630	42	852,530	48
Tartaric acid.....	"	92,289	38	60,817	25
Vitamins:					
A.....	"	..	384	..	586
B <sup>1</sup> (thiamin chloride).....	"	..	57	..	132
B <sup>2</sup> (riboflavin).....	"	..	176	..	493
C (ascorbic acid).....	"	..	244	..	325
D.....	"	..	71	..	25
Wax (beeswax, paraffin, etc.).....	lb.	56,153	34	69,819	41
All other materials and components used <sup>1</sup> .....	"	..	31,847	..	41,057
<b>2. Containers and other packaging materials and supplies used.....</b>					
		..	17,688	..	20,407
<b>3. Operating, maintenance and repair supplies used (excluding fuel).....</b>					
		..	2,188	..	2,311
<b>4. Amount paid out to others for work done on materials owned by establishments.....</b>					
		..	2,086	..	2,592
<b>Totals.....</b>		...	<b>62,164</b>	...	<b>77,502</b>

<sup>1</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,756,617 in 1964 and \$2,060,132 in 1965.



TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	Value	
	1964	1965
	\$'000	
1. Products:		
Pharmaceuticals and medicines:		
Registered as patent medicines and sold without all ingredients declared.....	25,180	32,432
Antibiotics and preparations:		
Penicillin preparations .....	7,041	9,571
Streptomycin preparations .....	225	272
Penicillin-streptomycin combinations .....	442	506
Other antibiotics and preparations thereof <sup>1</sup> .....	13,500	14,003
Sex hormones .....	6,568	10,440
Sulphonamide (sulpha) preparations with or without other active ingredients .....	2,361	3,080
Vitamins and preparations:		
Vitamins in bulk .....	2	2
Vitamins preparations in which the principal active ingredients are vitamins .....	12,124	11,585
Biologicals and vaccines (excluding sex hormones) .....	3,992	4,539
Oral antiseptics .....	2,703	3,198
Ethical specialties for human use, not elsewhere specified .....	87,291	98,867
All other human medicines .....	15,483	12,166
Veterinary medicines:		
Biologicals and vaccines .....	1,143	1,372
Antibiotic preparations and combinations .....	3,024	4,444
Sulphonamide preparations .....	158	267
All other veterinary medicines .....	3,005	2,638
Miscellaneous pharmaceuticals and medicines (including medicinal chemicals and feed supplements) .....	6,451	8,790
<b>Total, pharmaceuticals and medicines .....</b>	<b>190,691</b>	<b>218,170</b>
Disinfectants .....	427	800
Insecticides .....	539	390
Flavouring extracts .....	206	152
Toilet preparations .....	9,045	11,283
All other products <sup>3</sup> .....	8,924	10,342
2. Amount received in payment for work done on materials and products owned by others .....	2,117	2,392
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	(4,821)	(5,759)
Net adjustment for establishments receiving progress payments .....	(114)	—
<b>Total adjusted value of shipments and work done .....</b>	<b>207,016</b>	<b>237,771</b>

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

<sup>2</sup> Included with "All other human medicines".

<sup>3</sup> Includes soap, packaged goods, fountain supplies and syrup and other such articles.

Note: Data given in this table are for the Manufactures 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 14.

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1956-65  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)  
Pharmaceuticals and Medicines

Year	Shipments
	\$'000
1956 .....	110,002
1957 .....	126,297
1958 .....	139,621
1959 .....	154,334
1960 .....	159,390
1961 .....	165,551
1962 .....	176,502
1963 .....	192,520
1964 .....	203,588
1965 .....	233,923

List of Establishments classified to this Industry, 1965

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
<b>Nova Scotia:</b>	
Minards Liniment Co., Div'n. of Beecham Products Ltd.	Yarmouth
<b>Quebec:</b>	
Abbott Laboratories Limited	5400 Côte de Liesse Rd., Town of Mount Royal
Ayerst, McKenna and Harrison Limited	1025 Laurentien Blvd., St. Laurent
Bérubé Produits	St. Alexander Kemouraska
Bristol Laboratories of Canada Ltd.	Candiac
Burroughs Wellcome and Co. (Canada) Ltd.	60 Riverview Ave., LaSalle
Canada Drug Ltée	8480, rue St. Laurent, Montreal
Chemway (Canada) Ltd. and Crookes-Barnes Canada Ltd.	Ste-Thérèse-de-Blainville
Ciba Co. Ltd.	200 Metropolitan Blvd., Dorval
Cie des Produits Homah Inc.	553 A Leclaire, Montreal
Cie Mathieu, J.L., Ltée	Sherbrooke
Cie Paula Ltée, La	21 St. Paul E., Montréal
Compagnie Pharmaco-Chimique Inc.	12253 Laurentian Blvd., Montreal 18
Corporation Pharmaceutique Française Ltée	200, rue Vallée, Montreal
Cyanamid of Canada Ltd.	635 Dorchester Blvd., Montreal
Dailiac Ltée	Rue du Bassin, Montmagny
(Dr.) Daniel's, A.C., Co.	Rock Island
Dehervay Remedies Ltd.	Verdun
Delmar Chemicals Limited	9321 Airrie St., LaSalle
Denver Chemical Mfg. Co., The	8465 Devonshire Rd., Montreal
Desbergers Ltée	8480 boul. St. Laurent, Montréal 11
Dominion Herb Distributors Inc.	136 Oneida Dr., Pointe Claire
Erl Pharmaceutiques Ltée	8699-8th Ave., St. Michel
Esteye Company of Canada	7705-18th Ave., St. Michel
Ex-Lax Limited	8510 Jeanne Mance St., Montreal
Fortin, Sapin Inc.	Robertsonville
Frasier, Thomson and Co. Ltd.	Cookshire
Frosst, Charles E., and Co.	350 Selby St., Westmount
Herboristerie du Québec Enrg.	Petite-Rivière du Nord
Hoffman-Laroche Limited	1956 Bourbon St., St. Laurent
Horner, Frank W., Ltd.	5485 Ferrier St., Town of Mount Royal
Indiana Herbs Ltd.	Ste-Dorothee
Injecta Corporation Ltd.	10310 Des Récoilets St., Montreal North
Imerclean Co., The	809 William St., Montreal
Laboratoires Atlas Enrg.	4101 Notre Dame St. E., Montreal
Laboratoires Biophen Laboratories Inc.	1150, boul. St. Joseph E., Montréal
Laboratoire Biochimique Inc.	Chomedey
Laboratoire Demers Ltée	Ste. Foy
Laboratoire Desautels Ltd.	3580 Jarry St. E., Montreal
Laboratoire des Spécialités Pharmaceutiques et Médicaments Brevetés Inc.	Amos
Laboratoire Du Cheptel Ltée	Peloeil
Laboratoires Dr. Léo Lorrain Ltée	203 Place Youville, Montréal
Laboratoire Octo Ltée	920 Port Royal Est., Montréal
Laboratoire Ortho-Médico Enr.	1647 Fleury St. Est., Montreal
Laboratoires St. Hubert Ltée	6629, rue St. André, Montréal
(Dr.) Lambert, J.O., Limitée	2234 St., Antoine Montréal
Laurentian Laboratories Ltd.	428 St. Jean Baptiste, Montreal
Matoi Research Ltd.	Québec 4
Medicolab Inc.	Chomedey
Médicaments St-Germain, Les	823, rue Laurier-E., Montreal
Merck Sharp and Dohme of Canada Ltd.	350 Selby Ave., Westmount
Mount Royal Chemicals Ltd.	210 Metropolitan Blvd., Dorval
Mowatt and More Limited	115 Brunswick Blvd., Pointe Claire
Multilab Inc.	1386 Craig Est., Montreal
Nordic Biochemicals Ltd.	4324 St-Laurence Blvd., Montreal
Poulenc Limitée	8580 rue Esplanade, Montreal
Produits Gardo Ltée	Waterloo
Produits Phyto Enr.	St Louis-de-France
Rawleigh, W.T., Co. Ltd., The	4005 Richelieu St., Montreal
Remèdes Herbo Remedies Inc.	4848 Parc Ave., Montreal
Robapharm (Canada) Ltd.	St Jérôme
Robinson, B.N., Co. Ltd.	Granby
Rougier Inc.	2055 Favard St., Montreal
Sandoz (Canada) Ltd.	Dorval
Slois, N.A., Enrg.	Ste-Anne-de-la-Pocatière
Scientific Concentrates Co.	Rouville
Schering Corporation Ltd.	3535 New Metropolitan Blvd., Pointe Claire
Smith-Kline and French Inter-America Corp.	300 Laurentian Blvd., St. Laurent
Squibb, E.R., and Sons Ltd.	2201 Côte de Liesse Rd., St. Laurent
Trans-Canada Dermapeutics Ltd.	7370 Cote St-Luc Montréal 29
Vanko Corporation Inc.	10541 DeLormier Ave., Montreal
Watkins Products Inc.	350 St. Roch St., Montreal
Young, W.A., Inc.	Verdun
<b>Ontario:</b>	
Accurate Laboratories	London
Aerosol Custom Pharmaceuticals Ltd.	24 Sable St., Toronto
Allied Veterinary Products Ltd.	Kingston
Anca Laboratories, Divn of Wander Co. of Canada Ltd.	1377 Laurence Ave. E., Don Mills
Astra Pharmaceuticals (Canada) Ltd.	Cooksville
Baxter Laboratories of Canada Ltd.	Alliston
Block Drug Co. (Canada) Ltd.	36 North Line Rd., Toronto
Brent Laboratories Ltd.	62 Avenue Rd., Toronto
British Drug House (Canada) Ltd. The	Barclay Ave., Toronto
Buckley, W.K., Ltd.	559 Colfege St., Toronto
Canada Duphar Ltd.	London
Canadian Nutritional Products Ltd.	283 Danforth Rd., Scarborough



List of Establishments classified to this Industry, 1965 - Concluded

Name	Location
<b>Ontario - Concluded:</b>	
Chemlek Laboratories of Canada Ltd.	Windsor
Cleveland's Drug Ltd.	2299 Dundas St. W., Toronto
Connaught Laboratories	University of Toronto, Spadina Cres., Toronto
Craig, L.D., Ltd.	451 Alliance Ave., Toronto
Cress Laboratories Ltd.	Highway # 8, Waterloo Township
Dow Chemical of Canada Ltd.	14 Dyas St., Don Mills
Druggist Corporation Limited	427 Adelaide St., Toronto
Fidelity Pharmaceuticals Ltd.	11 Yorkville, Toronto
Fleming Brothers Ltd.	Picton
Foster-Dack Co. Ltd., The	337 King St., Toronto
Fulford, George T., Co. Ltd.	260 Richmond St. W., Toronto
Galt Chemical Products Ltd.	Galt
Gilbert, Jules R., Ltd.	3701 Dundas St. W., Toronto
Glaxo-Allenburys (Canada) Ltd.	52 Bartor Rd., Weston
Gryphon Laboratories Limited	20 Advance Rd., Toronto
Hanford, G.C., Mfg. Co. Ltd.	Brockville
Jamison, C.E., and Co. (Dominion) Ltd.	Windsor
K-Vet Laboratories Ltd.	Hespeler
Lewis-Howe Company	Windsor
Lilly, Eli, and Company (Canada) Ltd.	3650 Danforth Ave., Scarborough
Liquifeeds Ltd.	Woodstock
Luscoe Products Limited	559 Bathurst St., Toronto
McNeil Laboratories. (Canada) Ltd.	11 Green Belt Dr., Don Mills
Medipharm Pharmaceuticals Ltd.	131 Oakdale Rd., Downsview
Mentholatum Inter-American Inc.	Fort Erie
Micro Chemicals Ltd.	Cooksville
Milburn, T., Co. Ltd., The	888 Dupont St., Toronto
Miles Laboratories Ltd.	1131 Bloor St. W., Toronto
M.T.C. Pharmaceuticals Ltd.	Hamilton
Nixon Laboratories Ltd.	Orangeville
Norwich Pharmacal Co. Ltd.	Box 790, Paris
Novocol Chemical Mfg. Co. of Canada Ltd.	52 Chauncey Ave., Toronto
Noxzema Chemical Co. of Canada Ltd., The	77 Park Lawn Rd., Toronto
Nu-Age Biogenic Prod. Canada Ltd.	101 Shorncliffe Rd., Toronto
Omega Laboratories Ltd.	354 Olivewood Rd., Toronto
Ortho Pharmaceutical (Canada) Limited	19 Green Belt, Don Mills
Ottway, Co., Ltd.	300 Danforth Ave., Toronto
Parke Davis and Co. Ltd.	Brockville
Penick Canada Ltd.	124 Pharmacy Ave., Scarborough
Penslar Co. Limited, The	Tecumseh
Pfizer Corporation	Ampror
Pharma Pak Limited	231 Bartley Drive, Toronto
Powell, H., Chemical Co. Ltd.	1835 Yonge St., Toronto
Rainer, H.G., Co.	101 Shorncliffe Rd., Toronto
Rexall Drug Company Limited	Cooksville
Richardson-Merrell (Canada) Ltd.	2, Norelco Dr., Weston
Rundie, Geo. H., and Son Co. Ltd., The	Windsor
Saunders, W.E., Ltd.	London
Scherer, R.P., Ltd.	Windsor
Shaw Research	Omeme
Sherman Laboratories	Windsor
Sterling Drug Ltd.	Aurora
Strassenburgh, R.J., of Canada Ltd.	1875 Leslie St., Don Mills
Strong Cobb Amer of Canada Ltd.	Fort Erie
Templeton's Limited	56 Colborne St., Toronto
Uniphar (Canada) Ltd.	2 Thorncliffe Park Dr., Toronto
Upjohn Co. of Canada, The	865 York Mills Rd., Don Mills
Vetex (Canada) Ltd.	4340 Bathurst St., Downsview
Wampole, Henry K., and Co. Ltd.	Dufferin St., Perth
Warner-Lambert Canada Ltd.	727 King St. W., Toronto
Whitehall Laboratories Ltd.	Cooksville
Whitemoyer Laboratories Ltd.	Port Credit
Wilson's Emerald Brand Ltd.	Brampton
Winrock Chemical Ltd.	301 Lansdowne Ave., Toronto 3
Wyeth, John and Bros. (Canada) Ltd.	Windsor
<b>Manitoba:</b>	
Rawleigh, W.T., Co. Ltd., The	Winnipeg
Watkins Products Inc.	Winnipeg
(Dr.) White Medicine Co. Ltd.	Winnipeg
<b>Alberta:</b>	
Anderson and Sons Laboratories Ltd.	Edmonton
<b>British Columbia:</b>	
Gilead Mfg. Co.	Chilliwack
Greens A.N.R. Ltd.	Victoria
Kent Chemicals Ltd.	Vancouver
Nephron Agency of Canada	Vancouver
Perry-Bowell Medications Ltd.	New Westminster
Reclu Drug Co. Ltd.	Vancouver
Stanley Drug Products Ltd.	Vancouver
Urist Chemical Laboratories	Vancouver
Western Laboratories Limited	Vancouver



# CONCEPTS AND DEFINITIONS

## Census of Manufactures

### General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 135 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures; (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

### Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

#### **Head Offices and Auxiliary Units**

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the firm, when all establishments are in the same industry (3 or 4 digit). When establishments of

such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

#### **Employees**

##### **(a) Production and related workers – Manufacturing activities**

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. For those establishments reporting on the "long" form, production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

##### **(b) Production and related workers – Non-manufacturing activities**

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.



### (c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers, etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

### (d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

### (e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

### Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners are defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

### Salaries and Wages

Salaries and wages refer to gross earnings of employees before deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages,

bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

### Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

### Materials and Supplies

#### (a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

#### (b) Non-manufacturing activities

##### 1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

##### 2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of



purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

## Shipments

### (a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

### (b) Shipments of goods of own manufacture

These figures represent 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 establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity

are collected by means of the Commodity questionnaire referred to earlier. Such shipments together with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

### (c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

### (d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

## Inventories

### (a) Manufacturing activities

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

**(b) Non-manufacturing activities**

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

**Value Added**

**(a) By manufacturing activities**

Figures are compiled by deducting the cost of manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture adjusted for changes in the value of inventories of finished goods and goods in process).

**(b) By non-manufacturing activities**

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods pur-

chased for re-sale) and the cost of non-manufacturing materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

**(c) By Total activities**

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net output or net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".

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