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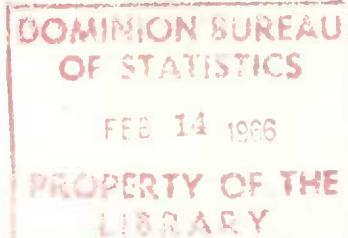
ANNUAL



# MANUFACTURERS OF PHARMACEUTICALS AND MEDICINES

1963

ANNUAL CENSUS  
OF MANUFACTURES



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# MANUFACTURERS OF PHARMACEUTICALS AND MEDICINES

1963

Data presented in this report under the heading of Manufacturers of Pharmaceuticals and Medicines reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of industry statistics—see items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report.

For statistical purposes the industry titled Manufacturers of Pharmaceuticals and Medicines in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing drugs and medicines. This industry includes manufacturers of patent and proprietary medicines; veterinary medicines; vitamin products; cod liver oil preparations; and biological products, such as antitoxins, bacterins, serums, vaccines; as well as establishments primarily engaged in manufacturing antibiotics. Establishments primarily engaged in grinding drugs and herbs are also included.

### **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 A. Principal Statistics classified by Province, 1962 and 1963

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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000			\$'000	
1961													
<b>Totals</b> .....	174	4,202	9,143	13,832	1,037	49,430	165,201	116,705	25	79	9,826	46,190	123,577
1962													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	1	1,660	3,353	5,447	526	23,104	80,093	56,545	11	29	4,829	24,489	59,709
New Brunswick .....	2												
Quebec .....	74												
Ontario .....	75	2,439	5,549	8,567	541	27,897	92,738	64,803	7	14	5,017	23,527	67,957
Manitoba .....	5	38	72	129	12	453	1,645	1,166	-	-	133	528	1,302
Saskatchewan .....	-												
Alberta .....	1												
British Columbia .....	9	36	94	113	6	229	774	547	5	22	78	355	535
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals</b> .....	167	4,173	9,068	14,256	1,085	51,684	175,249	123,060	23	65	10,057	48,898	129,503
1963													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick .....	2	x	x	x	x	x	x	x	x	x	x	x	x
Quebec .....	74	1,607	3,265	5,754	613	23,815	89,664	65,881	14	47	4,963	26,567	69,001
Ontario .....	79	2,520	5,670	8,972	556	29,716	101,349	71,662	x	x	5,243	25,204	74,344
Manitoba .....	5	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	2	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia .....	10	32	73	108	5	414	789	370	4	17	80	387	385
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals</b> .....	173	4,203	9,097	14,987	1,187	54,483	193,718	139,307	25	76	10,418	52,708	145,281

TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000	\$'000						\$'000	\$'000				
<b>1962</b>													
Under \$10,000	21	3	2	3	2	24	91	63	9	13	20	24	65
\$ 10,000 to \$ 24,999	19	19	27	36	8	117	339	210	6	16	54	125	257
25,000 " 49,999	14	20	33	46	8	170	503	326	7	29	49	158	325
50,000 " 99,999	12	36	68	90	12	216	845	679	-	-	109	353	787
100,000 " 199,999	15	147	251	352	35	703	2,143	1,396	1	6	240	836	1,484
200,000 " 499,999	27	383	762	1,016	60	2,806	8,181	5,422	-	-	773	2,980	6,025
500,000 " 999,999	19	437	895	1,289	120	4,786	13,733	8,930	-	-	873	3,650	9,164
1,000,000 " 4,999,999	30	1,500	3,115	5,190	495	23,692	74,143	49,920	-	-	3,786	18,769	54,531
5,000,000 and over	10	1,628	3,913	6,234	344	19,169	75,271	56,114	-	-	3,954	20,792	56,962
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	199	1,210	(99)
<b>Totals</b>	<b>167</b>	<b>4,173</b>	<b>9,068</b>	<b>14,256</b>	<b>1,085</b>	<b>51,684</b>	<b>175,249</b>	<b>123,060</b>	<b>23</b>	<b>65</b>	<b>10,057</b>	<b>48,898</b>	<b>129,503</b>
<b>1963</b>													
Under \$10,000	27	4	8	5	-	52	126	74	12	18	20	29	74
\$ 10,000 to \$ 24,999	11	9	18	21	-	60	186	127	2	9	25	58	127
25,000 " 49,999	18	30	53	72	7	300	646	339	6	21	71	238	351
50,000 " 99,999	15	33	67	93	14	398	989	590	3	17	100	335	686
100,000 " 199,999	12	101	175	256	20	663	1,855	1,172	2	10	177	648	1,256
200,000 " 499,999	27	334	690	986	67	2,761	7,727	4,933	-	-	632	2,603	5,268
500,000 " 999,999	20	481	971	1,406	129	4,534	14,677	10,126	-	-	1,024	4,422	10,544
1,000,000 " 4,999,999	30	1,393	2,754	4,747	549	21,032	71,948	50,409	-	-	3,578	18,079	54,555
5,000,000 and over	13	1,818	4,361	7,401	401	24,684	95,563	71,537	-	-	4,600	25,119	72,510
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	191	1,177	(89)
<b>Totals</b>	<b>173</b>	<b>4,203</b>	<b>9,097</b>	<b>14,987</b>	<b>1,187</b>	<b>54,483</b>	<b>193,718</b>	<b>139,307</b>	<b>25</b>	<b>76</b>	<b>10,418</b>	<b>52,708</b>	<b>145,281</b>

TABLE 1 C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1962 and 1963

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		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.	'000	\$'000						\$'000	\$'000				
<b>1962</b>													
Under \$10,000	27	8	10	13	4	53	171	112	11	19	30	48	131
\$ 10,000 to \$ 24,999	22	24	34	47	10	206	556	336	8	32	71	175	366
25,000 " 49,999	11	28	52	71	9	185	592	405	3	8	66	257	469
50,000 " 99,999	16	114	202	270	29	712	1,957	1,214	1	6	211	713	1,339
100,000 " 199,999	20	230	456	607	43	2,131	5,004	2,859	-	-	425	1,500	2,950
200,000 " 499,999	27	616	1,192	1,768	134	7,290	16,119	8,999	-	-	1,091	4,342	9,558
500,000 " 999,999	14	495	1,043	1,616	147	4,676	15,370	10,434	-	-	1,015	4,413	10,866
1,000,000 " 4,999,999	24	1,325	2,776	4,819	485	21,961	81,450	59,022	-	-	4,017	21,259	63,408
5,000,000 and over	6	1,333	3,302	5,044	223	14,469	54,030	39,679	-	-	2,932	14,981	40,493
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	199	1,210	(99)
<b>Totals</b>	<b>167</b>	<b>4,173</b>	<b>9,068</b>	<b>14,256</b>	<b>1,085</b>	<b>51,684</b>	<b>175,249</b>	<b>123,060</b>	<b>23</b>	<b>65</b>	<b>10,057</b>	<b>48,898</b>	<b>129,503</b>
<b>1963</b>													
Under \$10,000	34	14	26	29	1	216	335	117	13	24	39	76	119
\$ 10,000 to \$ 24,999	17	20	36	46	5	188	436	243	6	19	50	143	254
25,000 " 49,999	19	46	90	123	16	464	1,180	699	4	23	124	415	796
50,000 " 99,999	10	81	161	228	18	788	1,535	741	-	-	139	589	838
100,000 " 199,999	21	259	503	753	49	1,874	5,025	3,117	2	10	444	1,576	3,383
200,000 " 499,999	22	377	768	1,083	83	4,212	11,793	7,448	-	-	771	3,419	7,810
500,000 " 999,999	18	626	1,251	1,970	223	5,774	19,242	13,353	-	-	1,285	5,725	13,692
1,000,000 " 4,999,999	25	1,965	4,402	7,385	519	26,297	93,065	66,889	-	-	4,720	24,601	70,857
5,000,000 and over	7	815	1,859	3,370	274	14,670	61,106	46,699	-	-	2,655	14,987	47,622
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	191	1,177	(89)
<b>Totals</b>	<b>173</b>	<b>4,203</b>	<b>9,097</b>	<b>14,987</b>	<b>1,187</b>	<b>54,483</b>	<b>193,718</b>	<b>139,307</b>	<b>25</b>	<b>76</b>	<b>10,418</b>	<b>52,708</b>	<b>145,281</b>

TABLE 1 D. Principal Statistics classified by Size Groups based on Total Value Added, 1962 and 1963

Size group	Estab-lish-ments	Manufacturing activity							Total activity				Total value added
		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		Total employees		
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000			\$'000		\$'000		
<b>1962</b>													
Under \$10,000	26	6	6	9	4	45	154	104	11	19	28	44	107
\$ 10,000 to \$ 24,999	22	26	38	51	11	202	548	332	7	28	72	176	365
25,000 "	10	20	33	45	7	142	472	330	4	12	46	171	342
50,000 "	17	129	230	307	32	954	2,205	1,224	1	6	238	786	1,353
100,000 "	20	201	414	548	40	1,787	4,555	2,778	-	-	365	1,336	2,874
200,000 "	26	604	1,158	1,724	130	7,149	15,436	8,390	-	-	1,042	4,020	8,715
500,000 "	15	463	979	1,514	141	4,269	14,758	10,265	-	-	1,013	4,488	10,824
1,000,000 "	25	1,391	2,908	5,014	497	22,666	83,091	59,958	-	-	4,122	21,685	64,528
5,000,000 and over	6	1,333	3,302	5,044	223	14,469	54,030	39,679	-	-	2,932	14,981	40,493
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	199	1,210	(99)
<b>Totals</b>	<b>167</b>	<b>4,173</b>	<b>9,068</b>	<b>14,256</b>	<b>1,085</b>	<b>51,684</b>	<b>175,249</b>	<b>123,060</b>	<b>23</b>	<b>65</b>	<b>10,057</b>	<b>48,898</b>	<b>129,503</b>
<b>1963</b>													
Under \$10,000	34	14	26	29	1	216	335	117	13	24	39	76	119
\$ 10,000 to \$ 24,999	16	20	36	46	5	180	411	228	5	18	49	132	226
25,000 "	17	36	69	95	11	412	1,014	589	5	24	79	293	602
50,000 "	11	70	142	201	19	681	1,418	732	-	-	145	540	845
100,000 "	21	220	431	615	44	1,686	4,610	2,673	2	10	390	1,426	2,976
200,000 "	22	417	840	1,212	85	4,341	11,301	6,843	-	-	815	3,445	7,314
500,000 "	18	592	1,185	1,851	181	5,272	17,874	12,542	-	-	1,186	5,340	12,717
1,000,000 "	27	2,019	4,509	7,568	567	27,025	95,650	68,685	-	-	4,869	25,290	72,949
5,000,000 and over	7	815	1,859	3,370	274	14,670	61,106	46,699	-	-	2,655	14,987	47,622
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	191	1,177	(89)
<b>Totals</b>	<b>173</b>	<b>4,203</b>	<b>9,097</b>	<b>14,987</b>	<b>1,187</b>	<b>54,483</b>	<b>193,718</b>	<b>139,307</b>	<b>25</b>	<b>76</b>	<b>10,418</b>	<b>52,708</b>	<b>145,281</b>

TABLE 1 E. Principal Statistics classified by Size Groups based on Total Employed, 1962 and 1963

Size group	Estab-lish-ments	Manufacturing activity							Total activity				Total value added
		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		Total employees		
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1962</b>													
Under 5 employed	49	25	34	48	15	328	1,007	670	21	58	82	188	731
5- 14 employed	27	117	233	323	33	913	2,912	2,035	1	1	230	903	2,143
15- 49 "	42	538	1,055	1,422	121	5,340	16,843	11,510	1	6	1,115	4,433	11,914
50- 99 "	22	779	1,540	2,512	224	18,907	29,392	17,470	-	-	1,593	6,902	18,907
100- 199 "	14	820	1,746	2,815	248	10,660	43,173	32,648	-	-	1,994	10,087	34,032
200- 499 "	10	998	2,167	3,691	333	15,851	55,831	39,736	-	-	2,893	14,995	7,356
500 employed and over	3	896	2,293	3,445	111	7,356	26,090	18,990	-	-	1,951	10,182	19,682
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	199	1,210	(99)
<b>Totals</b>	<b>167</b>	<b>4,173</b>	<b>9,068</b>	<b>14,256</b>	<b>1,085</b>	<b>51,684</b>	<b>175,249</b>	<b>123,060</b>	<b>23</b>	<b>65</b>	<b>10,057</b>	<b>48,898</b>	<b>129,503</b>
<b>1963</b>													
Under 5 employed	56	28	54	69	9	551	1,322	774	22	63	90	248	789
5- 14 employed	26	110	217	318	29	959	3,106	2,114	1	3	219	898	2,213
15- 49 "	42	572	1,151	1,607	159	6,124	18,273	11,978	2	10	1,160	4,617	12,392
50- 99 "	22	791	1,551	2,567	236	11,251	36,379	24,928	-	-	1,718	7,956	26,615
100- 199 "	14	813	1,641	2,816	275	12,614	46,155	33,474	-	-	2,099	10,925	34,982
200- 499 "	10	998	2,197	4,029	366	14,993	62,490	47,755	-	-	2,972	15,951	49,226
500 employed and over	3	891	2,286	3,582	114	7,990	25,993	18,284	-	-	1,969	10,735	19,153
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	191	1,177	(89)
<b>Totals</b>	<b>173</b>	<b>4,203</b>	<b>9,097</b>	<b>14,987</b>	<b>1,187</b>	<b>54,483</b>	<b>193,718</b>	<b>139,307</b>	<b>25</b>	<b>76</b>	<b>10,418</b>	<b>52,708</b>	<b>145,281</b>

TABLE 1F. Principal Statistics classified by Type of Organization, 1962 and 1963

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		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000		\$'000		
<b>1962</b>													
Individual ownerships .....	11	22	29	42	4	102	264	158	13	31	25	47	172
Partnerships .....	6	4	7	10	4	53	165	109	10	34	6	16	109
Incorporated companies .....	150	4,147	9,031	14,205	1,077	51,529	174,819	122,793	-	-	9,827	47,625	129,320
Cooperatives .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	199	1,210	(99)
<b>Totals .....</b>	<b>167</b>	<b>4,173</b>	<b>9,068</b>	<b>14,256</b>	<b>1,085</b>	<b>51,684</b>	<b>175,249</b>	<b>123,060</b>	<b>23</b>	<b>65</b>	<b>10,057</b>	<b>48,898</b>	<b>129,503</b>
<b>1963</b>													
Individual ownerships .....	16	21	39	52	5	169	441	268	17	51	32	107	308
Partnerships .....	5	3	6	8	3	68	136	65	8	24	5	15	65
Incorporated companies .....	152	4,179	9,052	14,928	1,179	54,247	193,141	138,974	-	-	10,190	51,409	144,998
Cooperatives .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	191	1,177	(89)
<b>Totals .....</b>	<b>173</b>	<b>4,203</b>	<b>9,097</b>	<b>14,987</b>	<b>1,187</b>	<b>54,483</b>	<b>193,718</b>	<b>139,307</b>	<b>25</b>	<b>76</b>	<b>10,418</b>	<b>52,708</b>	<b>145,281</b>

TABLE 2. Industry Output, Input and Value Added, 1962 and 1963

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
\$'000						
<b>Output</b>						
1. Shipments and other revenue .....	175,249	193,718	25,539	27,341	200,788	221,059
Inventories - Goods of own manufacture:						
Add closing - Goods in process .....	8,200	8,306	...	...	8,200	8,306
Finished goods .....	16,186	17,220	...	...	16,186	17,220
Less opening - Goods in process .....	7,981	8,231	...	...	7,981	8,231
Finished goods .....	15,826	16,036	...	...	15,826	16,036
2. Net inventory change .....	579	1,259	...	...	579	1,259
3. Gross output (1 + 2) .....	175,828	194,977	25,539	27,341	201,367	222,318
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	17,541	18,988	17,541	18,988
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	3,817	4,156	3,817	4,156
Less closing .....	...	...	4,089	4,593	4,089	4,593
5. Cost of goods sold (not of own manufacture) .....	...	...	17,269	18,551	17,269	18,551
6. Materials, supplies, components and semi-processed goods .....	51,684	54,483	1,828	2,816	53,510	57,299
7. Fuel and electricity .....	1,085	1,187	...	...	1,085	1,187
8. Gross input (5 + 6 + 7) .....	52,789	55,670	19,095	21,367	71,864	77,037
<b>Census value added (3 - 8) .....</b>	<b>123,060</b>	<b>139,307</b>	<b>6,444</b>	<b>5,974</b>	<b>129,503</b>	<b>145,281</b>



TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total employees		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total salaries and wages
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female									Male	Female	Male
	number										\$'000				
1962															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....															
New Brunswick .....	853	807	29	14	941	828	1,178	179	3,001	1,828	5,446	149	10,003	8,890	24,489
Quebec .....															
Ontario .....	1,237	1,202	20	15	783	762	885	113	2,925	2,092	8,567	118	8,350	6,491	23,527
Manitoba .....															
Saskatchewan .....	22	16	-	-	31	22	30	12	83	50	129	-	164	234	528
Alberta .....															
British Columbia .....	19	17	-	-	13	9	14	6	46	32	113	-	125	116	355
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	2,131	2,042	49	29	1,768	1,621	2,107	310	6,055	4,002	14,256	267	18,642	15,732	48,898
1963															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
New Brunswick .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Quebec .....	821	786	31	15	1,017	880	1,226	187	3,095	1,868	5,754	140	11,066	9,607	26,587
Ontario .....	1,265	1,255	17	14	849	833	895	115	3,026	2,217	8,972	107	9,439	6,686	25,204
Manitoba .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
British Columbia .....	17	15	-	-	19	10	14	5	50	30	108	-	164	114	387
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	2,129	2,074	48	29	1,912	1,747	2,165	314	6,254	4,164	14,987	247	20,843	16,631	52,708

TABLE 3A. Production and Related Workers, - Manufacturing Activity, by Months, 1962 and 1963

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January .....	1,991	1,918	1,973	1,841
February .....	1,982	1,952	1,975	1,846
March .....	1,985	1,931	1,982	1,838
April .....	1,978	1,914	1,976	1,904
May .....	2,022	1,893	1,998	1,976
June .....	2,023	1,922	2,019	1,963
July .....	1,994	1,852	2,013	1,958
August .....	2,019	1,902	2,040	1,963
September .....	2,022	1,910	2,005	2,002
October .....	2,011	1,890	2,026	2,007
November .....	2,033	1,828	2,010	1,958
December .....	1,955	1,844	2,006	1,910
Average for establishments reporting monthly detail (collected only for large establishments) ..	1,998	1,895	2,016	1,928
Average for small establishments (only annual averages collected) .....	133	147	113	146
Average for all establishments .....	2,131	2,042	2,129	2,074

TABLE 4. Industry Inventories, 1963

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-
Nova Scotia .....	x	x	x	x	x	x
New Brunswick .....	x	x	x	x	x	x
Quebec .....	6,558	2,668	61,741	15,967	2,028	17,995
Ontario .....	7,692	5,532	9,117	22,342	1,972	24,314
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	-	-	-	-	-	-
Alberta .....	x	x	x	x	x	x
British Columbia .....	191	-	-	191	-	191
Yukon and Northwest Territories .....	-	-	-	-	-	-
<b>Totals .....</b>	<b>14,624</b>	<b>8,231</b>	<b>16,036</b>	<b>38,891</b>	<b>4,156</b>	<b>43,047</b>
Closing:						
Newfoundland .....	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-
Nova Scotia .....	x	x	x	x	x	x
New Brunswick .....	x	x	x	x	x	x
Quebec .....	7,515	2,634	7,420	17,570	2,270	19,840
Ontario .....	8,852	5,650	9,586	24,087	2,165	26,252
Manitoba .....	x	x	x	x	x	x
Saskatchewan .....	-	-	-	-	-	-
Alberta .....	x	x	x	x	x	x
British Columbia .....	286	-	-	286	-	286
Yukon and Northwest Territories .....	-	-	-	-	-	-
<b>Totals .....</b>	<b>16,854</b>	<b>8,306</b>	<b>17,220</b>	<b>42,380</b>	<b>4,593</b>	<b>46,974</b>

TABLE 5. Purchased Fuel and Electricity Used in Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	283	287	4
(b) Imported .....	"	3,304	3,079	43
Sub-bituminous coal (from Alberta mines only) .....	"	-	-	-
Anthracite coal .....	"	78	50	1
Lignite coal .....	"	-	-	-
Coke .....	"	-	-	-
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	456,194	610,343	260
Fuel oil including kerosene or coal oil .....	"	3,384,285	3,487,082	310
Wood .....	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	18,449	23,401	6
(b) Other manufactured gas .....	M cu.ft.	9,388	-	-
(c) Natural gas .....	"	67,111	91,279	79
Other fuel .....		...	...	4
Electricity purchased .....	kwh.	35,944,038	37,397,898	405
Steam purchased .....		...	...	18
2. Estimate for small establishments:				
Fuel and electricity .....		...	...	74
3. All establishments:				
<b>Total fuel and electricity used .....</b>		<b>1,085</b>	<b>...</b>	<b>1,187</b>

TABLE 6. Materials and Supplies - Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost \$'000	Quantity	Cost \$'000
<b>1. Materials used:</b>				
Acetone .....	lb. 198,029	23	307,312	30
Acetylsalicylic acid .....	" 1,055,853	582	1,221,224	700
Benzoic acid .....	" 9,353	6	6,140	3
Chalk, ground .....	" 90,198	3	94,449	2
Chalk, precipitated .....	" 177,846	12	176,938	12
Citric acid .....	" 642,090	174	459,630	131
Bismuth salts .....	" 9,395	26	8,893	26
Caffeine .....	" 38,758	74	43,594	79
Camphor .....	" 58,198	36	59,266	37
Castor oil .....	" 38,835	14	33,256	10
Cod liver oil .....	" 141,671	36	144,770	34
Essential oils .....	" .....	149	" .....	157
Ethyl alcohol (including tax) .....	Imp. gal. 187,094	405	185,172	366
Gelatine capsules (for use in compounding) .....	" .....	430	" .....	527
Glucose .....	lb. 1,781,489	133	1,619,002	127
Glycerine, refined .....	" 891,926	252	947,326	265
<b>Gums:</b>				
Arabic .....	" 142,445	34	130,046	35
Karoya .....	" 76,698	32	82,412	40
Other .....	" 12,421	17	14,401	20
Iodine, crude .....	" 2,074	5	2,246	5
<b>Herbs, roots and vegetable drugs:</b>				
Raw or crude (ground or milled) .....	" .....	161	" .....	113
Extracts (powders and liquids) .....	" .....	198	" .....	200
Isopropyl alcohol .....	lb. 364,092	43	522,305	57
Magnesium sulphate (Epsom salts) .....	" 1,142,510	48	815,714	31
Malt extract .....	" 101,919	15	104,206	16
Menthol .....	" 26,530	163	26,221	149
Mercury metal .....	" 992	3	760	2
Methyl alcohol (methyl hydrate) .....	Imp. gal. 18,199	19	16,053	16
Mineral oil, white .....	lb. 905,064	124	1,158,464	152
Penicillin .....	" .....	1,120	" .....	1,470
Petroleum jelly .....	lb. 587,774	80	633,390	85
Phenacetin .....	" 245,883	203	185,558	148
Phenobarbital and other barbiturates .....	" 32,696	172	37,397	176
Potassium iodide .....	" 13,158	19	14,139	22
Sodium bicarbonate .....	" 1,264,963	51	1,152,222	46
Sodium bromide .....	" 57,201	20	51,889	18
Sodium sulphate .....	" 112,437	6	306,427	24
Starch .....	" 616,879	57	571,049	53
Stearic acid .....	" 259,267	53	252,758	55
Sulpha drugs .....	" .....	319	" .....	311
Sugar .....	lb. 4,579,517	366	4,876,186	588
Talc .....	" 822,044	41	744,359	39
Tartaric acid .....	" 98,375	44	90,925	42
<b>Vitamins:</b>				
A .....	" .....	425	" .....	407
B <sup>1</sup> (thiamin chloride) .....	" .....	43	" .....	34
B <sup>2</sup> (riboflavin) .....	" .....	145	" .....	79
C (ascorbic acid) .....	" .....	234	" .....	232
D .....	" .....	39	" .....	22
Wax (beeswax, paraffin, etc.) .....	lb. 68,315	40	79,257	44
All other materials and components used <sup>1</sup> .....	" .....	25,797	" .....	26,947
<b>2. Containers and other packaging materials and supplies used .....</b>				
<b>3. Operating, maintenance and repair supplies used (excluding fuel) .....</b>				
<b>4. Amount paid out to others for work done on materials owned by establishments....</b>				
<b>Totals .....</b>	<b>...</b>	<b>51,684</b>	<b>...</b>	<b>54,483</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 \$1,741,900 in 1962 and \$2,325,789 in 1963.

TABLE 7. Shipments of Goods of Own Manufacture, 1962 and 1963

Description	Value	
	1962	1963
	\$'000	
<b>1. Products:</b>		
<b>Pharmaceuticals and medicines:</b>		
Registered as patent medicines and sold without all ingredients declared .....	26,626	24,542
<b>Antibiotics and preparations:</b>		
Penicillin preparations .....	5,099	5,682
Streptomycin preparations .....	295	256
Penicillin-streptomycin combinations .....	403	388
Other antibiotics and preparations thereof <sup>1</sup> .....	11,921	12,887
Sex hormones .....	3,443	4,327
Sulphonamide (sulpha) preparations with or without other active ingredients .....	2,642	2,431
<b>Vitamins and preparations:</b>		
Vitamins in bulk .....	2	2
Vitamins preparations in which the principal active ingredients are vitamins .....	12,925	13,356
Biologicals and vaccines (excluding sex hormones) .....	6,461	4,791
Oral antiseptics .....	2,470	2,727
Ethical specialties for human use, not elsewhere specified .....	69,841	81,974
All other human medicines .....	11,064	12,772
<b>Veterinary medicines:</b>		
Biologicals and vaccines .....	1,151	1,034
Antibiotic preparations and combinations .....	1,687	2,819
Sulphonamide preparations .....	127	171
All other veterinary medicines .....	2,078	2,366
Miscellaneous pharmaceuticals and medicines (including medicinal chemicals and feed supplements) .....	5,559	6,773
<b>Total, pharmaceuticals and medicines</b> .....	<b>163,794</b>	<b>179,296</b>
Disinfectants .....	353	612
Insecticides .....	408	394
Flavouring extracts .....	402	372
Toilet preparations .....	7,160	8,389
All other products <sup>2</sup> .....	5,268	6,464
<b>2. Amount received in payment for work done on materials and products owned by others</b> .....	<b>1,616</b>	<b>2,058</b>
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	(3,752)	(4,071)
Net adjustment for establishments receiving progress payments .....	-	-
<b>Total adjusted value of shipments and work done</b> .....	<b>175,249</b>	<b>193,718</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 8.

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries, 1954-63  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)  
**Pharmaceuticals and Medicines**

Year	Shipments
	\$'000
1954 .....	90,799
1955 .....	100,878
1956 .....	110,002
1957 .....	126,297
1958 .....	139,621
1959 .....	154,334
1960 .....	159,000
1961 .....	165,581
1962 .....	176,522
1963 .....	192,320

**List of Establishments classified to This Industry, 1963**

(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>New Brunswick:</b>	
Professional Products and Equipment Ltd. ....	9 Sydney St., Saint John
Row and Company .....	St. Stephens
<b>Quebec:</b>	
Abbott Laboratories Limited .....	5400 Cote de Liesse Rd., Town of Mount Royal
Ayerst, McKenna and Harrison Limited .....	1025 Laurentien Blvd., St. Laurent
Bristol Laboratories of Canada Ltd. ....	Candiac
Burtoughs Wellcome and Co. (Canada) Ltd. ....	60 Riverview Ave., LaSalle
Canada Drug Ltée .....	857 St. Maurice, Montreal
(Dr.) Chase, A.W., Medicine Co. Ltd., The .....	19 Le Royer St. W., Montreal
Chemway (Canada) Ltd. and Crookes-Barnes Canada Ltd. ....	Ste. Thérèse de Blainville
Ciba Co. Ltd. ....	Dorval
Cie des Produits Biologiques Europa Ltée .....	397 St. Joseph Blvd. Ouest, Montreal
Cie des Produits Homah Inc. ....	553 A Leclaire, Montreal
Cie Mathieu, J.L. Ltée .....	Sherbrooke
Cie Paula Ltée, La .....	21 St. Paul E., Montreal
Compagnie Pharmaco-Chimique Inc. ....	12253 Laurentien Blvd., Montreal
Corporation Pharmaceutique Française Ltée .....	200, rue Vallée, Montreal
Cyanamid of Canada Ltd. ....	5550 Royal Mount Ave., Town of Mount Royal
Dalliac Ltée .....	Montmagny
(Dr.) Dantel's, A.C., Co. ....	Rock Island
Delmar Chemicals Limited .....	9321 Airile St., LaSalle
Denver Chemical Mfg. Co., The .....	8465 Devonshire Rd., Montreal
Desautels Laboratories Ltd. ....	3580 Jarry St. E., St. Michel
Desbergers Limited .....	8480 St. Laurent Blvd., Montreal
Dominion Herb Distributors Inc. ....	Pointe Claire
Eri 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, Thornton and Co. Ltd. ....	Cookshire
Frosst, Charles E., and Co. ....	350 Selby St., Westmount
Gardo Products Ltd. ....	Waterloo
Harris, J.A., Limited .....	4510 De LaRoche, Montreal
Herbo Remedies Inc. ....	4848 Parc Ave., Montreal
Hoffman-Laroche Limited .....	1956 Bourdon St., St. Laurent
Horner, Frank W., Ltd. ....	5485 Ferrier St., Town of Mount Royal
Indiana Herbs Ltd. ....	Ste. Dorothee
Infecta Corporation Ltd. ....	10310 Des Recollets, Montreal North
Innerclean Co. ....	809 William St., Montreal
Laboratoire Atlas Enrg. ....	4101 Notre Dame St. E., Montreal
Laboratoire Bilphen Laboratory Inc. ....	2650 Beaubien Est., Montreal
Laboratoire des Spécialités Pharmaceutiques et Médicaments Brevetés Inc. ....	Amos
Laboratoire Du Cheptel Ltée .....	Beleoff
Laboratoire Demers Ltée .....	Ste. Foy
(Dr.) Laboratoire, Léo, Lorrain Ltée .....	203 Place Youville, Montreal
Laboratoire Nadeau Limitée .....	100 St. Paul St. W., Montreal
Laboratoire Octo Ltée .....	920 Port Royal Est., Montreal
Laboratoire Ortho Medico Enrg. ....	1647 Fleury St. Est., Montreal
Laboratoires St. Huhert Ltée .....	6629 St. Andre, Montreal
(Dr.) Lambert, J.O., Limitée .....	2234 St. Antoine St., Montreal
Laurentian Laboratoires Ltd. ....	469 St. Jean Baptiste, Montreal
Merck Sharp and Dohme of Canada Ltd. ....	560 Decourcelle St., Montreal
Mount Royal Chemicals Ltd. ....	Dorval
Mowatt and Moore Limited .....	80 Prince St., Montreal
Multilab Inc. ....	1386 Craig Est., Montreal
Niruana Compagnie Ltée .....	St. Romuald
Nordic Biochemicals Ltd. ....	4324 St. Lawrence Blvd., Montreal
Poulenc Limitée .....	8580 Esplanade, Montreal
Produits Apicoles Enrg., Les .....	2355 Beaconsfield Ave., Montreal
Produits Phyto Enrg. ....	Pointe-du-Lac
Racine, J.A., and Cie .....	1253 McGill College Ave., Montreal
Rawleigh, W.T., Co. Ltd., The .....	4005 Richelleu St., Montreal
Robapharm (Canada) Ltd. ....	St-Jérôme
Robinson, B.N., Co. Ltd. ....	Granby
Rougier Inc. ....	2055 Favard St., Montreal
Sandoz (Canada) Ltd. ....	Dorval
(Dr.) Sirols, N.A., Enrg. ....	La Pocatière
Scientific Concentrates Co. ....	St. Mathias
Schering Corporation Ltd. ....	Pointe Claire
Smith-Kline and French Inter-America Corpn. ....	300 Laurentian Blvd., St. Laurent
Société des Produits Persans, La .....	8258 Drolet, Montreal
St. Germain Médicaments, Les .....	823 Laurier E., Montreal
Squibb, E.R., and Sons Ltd. ....	2201 Cote de Liesse Rd., St. Laurent
Trans-Canada Pharmacal Co. ....	Cote St. Luc
U.S. Vitamin Corpn. of Canada .....	8370 Labarre St., Montreal
Yanko Corporation Inc. ....	10541 DeLorimier Ave., Montreal
Watkins Products Inc. ....	350 St. Roch St., Montreal
<b>Ontario:</b>	
Accurate Laboratories .....	19 King St., London
Aerosal Custom Pharmaceuticals Ltd. ....	24 Sable St., Toronto
Allied Veterinary Products Ltd. ....	Kingston
Amca Laboratories, Divn of Wander Co. of Canada Ltd. ....	Don Mills
Astra Pharmaceuticals (Canada) Ltd. ....	Cooksville
Austin Laboratories Ltd. ....	Paris
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. ....	BarcLay Ave., Toronto
Buckley, W.K., Ltd. ....	559 College St., Toronto

List of Establishments classified to This Industry, 1963 - Concluded

Name	Location
<b>Ontario - Concluded:</b>	
Canada Duphan Ltd.	571 Richmond St., London
Canada Pharmacal Co. Ltd.	447 Talbot St., London
Canadian Nutritional Products Ltd.	283 Danforth Rd., Scarborough
Chemlek Laboratories of Canada Ltd.	#18 Highway, Windsor
Connaught Laboratories	University of Toronto, Toronto
Cleveland's Drug Ltd.	2299 Dundas St. W., Toronto
Craig, L.D. Limited	451 Alliance Ave., Toronto
Cress Laboratories Ltd.	Kitchener
Druggist' Corporation Limited	107 Duke St., Toronto
Elmo Corn Salve	464 Winona Dr., Toronto
Fidelity Pharmaceuticals Ltd.	Bowmanville
Fleming Brothers Ltd.	Picton
Foster Dack Co. Ltd., The	337 King St. W., Toronto
Galt Chemical Products Ltd.	Galt
Gilbert, Jules R., Ltd.	3701 Dundas St. W., Toronto
Glaxo-Allenburys (Canada) Ltd.	52 Batoro Rd., Weston
Gryphon Laboratories Limited	20 Advance Rd., Toronto
Hanford, G.C. Mfg. Co. Ltd.	Brockville
Home-makers Products (Canada) Ltd.	36 Caledonia Rd., Toronto
Jamison, C.E., and Co. (Dominion) Ltd.	414 Riverside Drive W., Windsor
K - Vet Laboratories Ltd.	Galt
Koegler Laboratories	Waterloo
Lewis-Howe Company	1415 Janette Ave., Windsor
Lilly, Eli, and Company (Canada) Ltd.	3650 Danforth Ave., Scarborough
Luscoe Products Limited	559 Bathurst St., Toronto
Marlatt, G.W., and Company	Willodale
Marz Laboratories Ltd.	Tecumseh
Mentholatum Inter-American Inc.	Fort Erie
Merrell, Wm. S. Co., Divn of Richardson, Merrell Inc.	2 Norelco Drive, Weston
Micro Chemicals Ltd.	Cooksville
Milburn, T., Co. Ltd., The	888 Dupont St., Toronto
Milles Laboratories Ltd.	1131 Bloor St. W., Toronto
Moore-Thompson-Clinger Ltd.	1890 Brampton St., Hamilton
Mulveny's, R.L., Remedies Ltd.	199 Ossington Ave., Toronto
Nixon Laboratories Ltd.	Orangeville
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	Don Mills
Ottway, Co., Ltd.	170 Danforth Ave., Toronto
Parke Davis and Co. Ltd.	Brockville
Penick Canada Ltd.	124 Pharmacy Ave., Scarborough
Penslar Co. Limited, The	Tecumseh
Pfizer Corporation	Arnprior
Pharma Pak Limited	231 Bartley Drive, Toronto
Pitman-Moore, Divn. of Dow Chemical of Canada Ltd.	Don Mills
Powell, H., Chemical Co. Ltd.	Bowmanville
Private Brand Packagers Limited	76 Church St., Toronto
Procoll Mfg. Co. Ltd.	Bowmanville
Rainer, H.G., Co.	101 Shorncliffe Rd., Toronto
Rexall Drug Company Limited	Cooksville
Robert's Biological Laboratory Ltd.	331 Bartlett Ave., Toronto
Rundle, Geo. H., and Son Co. Ltd., The	320 Pitt St., Windsor
Saunders, W.E., Ltd.	335 Richmond St., London
Scherer, R.P., Ltd.	1370 Argyle Rd., Windsor
Seneca Laboratories Ltd.	Downsview
Shaw Research	Omeme
Sherman Laboratories Ltd.	3990 Malden Rd., Windsor
Sterling Drug Ltd.	Aurora
Strong Cobb Arner of Canada Ltd.	Fort Erie
Templeton Limited	56 Colborne St., Toronto
Upjohn Co. of Canada, The	Don Mills
Vick Chemical Inc.	2 Norelco Drive., Weston
Wampole, Henry K., and Co. Ltd.	Perth
Warner-Lambert Canada Ltd.	727 King St. W., Toronto
Whitehall Laboratories Ltd.	Cooksville
Whitemoyer Laboratories Ltd.	Port Credit
Wyeth, John, and Bros. (Canada) Ltd.	2109 Ottawa St., Windsor
<b>Manitoba:</b>	
(Dr.) Fahrney, Peter, and Sons Co., The	256 Stanley St., Winnipeg
McMillan and Bell Ltd.	404 Graham Ave., Winnipeg
Rawleigh, W.T., Co. Ltd., The	587 Henry Ave., Winnipeg
Watkins Products Inc.	E. Higgins and Annabella Sts., Winnipeg
(Dr.) White Medicine Co. Ltd.	373 Henderson Hwy., East Kildonan
<b>Alberta:</b>	
Anderson and Sons Laboratories Ltd.	14226 Stony Plain Rd., Edmonton
Harris Wondro Limited	1742-10th Ave. S.W., Calgary
<b>British Columbia:</b>	
Gilead Mfg. Co.	Chilliwack
Greens A.N.R. Ltd.	862 Fisgard St., Victoria
Kent Chemicals Ltd.	1292 Franklin St., Vancouver
Nephron Agency of Canada	1921 Kingsway, Vancouver
Nu Life Pet Remedies Ltd.	2511 West Broadway, Vancouver
Perry Bowell Medications Ltd.	633 Clarkson St., New Westminster
Reclu Drug Co. Ltd.	3501 Fraser St., Vancouver
Stanley Drug Products Ltd.	452 West Broadway, Vancouver
Urist Chemical Laboratories	696 Clark Drive, Vancouver
Western Laboratories Limited	2780 East Broadway, 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 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 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 140 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 various 1963 reports reflect the complete implementation of these changes and enable comparisons to be made with the years 1961 and 1962. 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 activity**

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. 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. 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.). 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 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 materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

**(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

purchased for re-sale) and the cost of other 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 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 DRS publication Catalogue No. 61-202, "Survey of Production".

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