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# TRUCK BODY AND TRAILER MANUFACTURERS

## 1965

### ANNUAL CENSUS OF MANUFACTURES

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## TRUCK BODY AND TRAILER MANUFACTURERS

1965

For statistical purposes the industry titled Truck Body and Trailer Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing truck and bus bodies but not manufacturing complete trucks or buses. Included are establishments primarily engaged in manufacturing truck trailers and tractor-type bus trailers, as well as those primarily engaged in manufacturing trailers for attachment to passenger cars.

An analysis of the principal statistics for this industry indicates that during 1965 the value of shipments of goods of own manufacture increased by 24.5 per cent, the value of production increased by 23.5 per cent, the cost of materials used in the production process increased by 23.4 per cent and value added increased by 24 per cent. The ratio of cost of materials used to value of production was 57 per cent in 1965, unchanged from 1964.

Shipments of bodies, cabs and trailers represented 87 per cent of total shipments of products of own manufacture. Other products shipped included cranes, farm sleighs, snow plows, dairy plant equipment, material handling equipment, houseboats, winches and pumps.

### 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.
- ▷ preliminary figures.
- \* revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-65

Year and province	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	
1961													
Totals .....	112	2,566	5,102	9,301	519	27,940	48,472	20,117	52	186	3,623	14,597	21,259
1962													
Totals .....	122	2,731	5,544	10,354	570	33,999	57,961	24,092	65	234	3,832	15,801	25,434
1963													
Totals .....	131	2,979	6,124	11,692	587	39,280	64,740	25,082	64	245	4,129	17,836	26,028
1964													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	3	19	38	66	5	189	356	163	x	x	23	83	163
New Brunswick .....	2	x	x	x	x	x	x	x	-	-	x	x	x
Quebec .....	34	446	945	1,688	86	3,974	7,558	3,629	21	83	593	2,553	3,897
Ontario .....	60	2,302	4,724	9,670	461	34,659	59,655	25,323	26	114	3,289	15,140	26,479
Manitoba .....	11	99	203	336	21	668	1,403	714	7	21	118	436	713
Saskatchewan .....	2	x	x	x	x	x	x	x	x	x	x	x	x
Alberta .....	21	349	674	1,035	53	4,279	6,428	2,288	6	20	405	1,298	2,371
British Columbia .....	15	312	601	1,481	60	3,839	6,881	3,047	-	-	386	1,981	3,306
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	148	3,554	7,237	14,347	689	47,874	82,709	35,374	63	248	4,845	21,578	37,139
1965													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	3	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick .....	3	76	156	237	9	1,054	1,607	586	-	-	82	265	584
Quebec .....	35	525	1,041	2,021	102	5,069	9,324	4,283	24	88	655	2,877	4,615
Ontario .....	58	2,447	5,182	11,268	467	40,887	70,806	29,360	22	96	3,473	17,267	30,894
Manitoba .....	12	103	216	374	24	888	1,733	920	5	20	127	493	920
Saskatchewan .....	3	x	x	x	x	x	x	x	x	x	x	x	x
Alberta .....	28	503	1,005	1,618	64	5,580	9,859	4,524	7	25	575	1,966	4,620
British Columbia .....	18	388	760	1,919	68	5,103	8,927	3,924	6	25	478	2,527	4,341
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	160	4,076	8,426	17,564	740	59,042	103,012	43,890	66	261	5,432	25,551	46,267

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	
1964													
Under \$10,000 .....	6	4	7	10	2	19	45	30	2	3	9	23	37
\$ 10,000 to \$ 24,999 .....	10	12	22	37	5	81	194	114	7	23	19	64	123
25,000 " 49,999 .....	20	38	75	137	12	365	761	396	25	88	46	171	407
50,000 " 99,999 .....	25	115	234	405	32	1,005	1,775	821	19	80	141	496	901
100,000 " 199,999 .....	20	169	345	643	37	1,554	2,888	1,323	8	42	203	814	1,384
200,000 " 499,999 .....	34	625	1,278	2,285	113	5,046	10,137	5,263	2	11	776	3,191	5,484
500,000 " 999,999 .....	12	421	916	1,699	84	4,927	8,702	3,666	—	—	533	2,373	3,880
1,000,000 " 4,999,999 .....	18	1,540	3,051	5,995	253	22,955	38,419	15,680	—	—	1,992	8,508	16,206
5,000,000 and over .....	3	630	1,311	3,137	152	11,922	19,787	8,081	—	—	1,055	5,640	8,717
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	71	298	...
Totals .....	148	3,554	7,237	14,347	689	47,874	82,709	35,374	63	248	4,845	21,578	37,139
1965													
Under \$10,000 .....	4	1	1	1	2	10	28	16	3	7	2	3	16
\$ 10,000 to \$ 24,999 .....	11	11	20	37	4	97	205	117	11	37	13	44	117
25,000 " 49,999 .....	19	38	75	131	11	285	700	417	20	71	48	176	417
50,000 " 99,999 .....	25	116	230	388	29	888	1,774	904	21	85	141	485	909
100,000 " 199,999 .....	24	189	392	744	43	1,771	3,541	1,882	10	50	233	958	1,928
200,000 " 499,999 .....	40	743	1,518	2,947	129	7,215	13,539	6,395	—	—	914	3,994	6,897
500,000 " 999,999 .....	16	545	1,123	2,220	105	6,522	11,474	4,938	1	10	659	3,057	5,178
1,000,000 " 4,999,999 .....	18	1,743	3,654	7,527	256	26,808	45,193	18,560	—	—	2,242	10,299	18,942
5,000,000 and over .....	3	690	1,414	3,567	161	15,446	26,558	10,662	—	—	1,115	6,229	11,864
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	65	305	...
Totals .....	160	4,076	8,426	17,564	740	59,042	103,012	43,890	66	261	5,432	25,551	46,267

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	
1964													
Under \$10,000 .....	10	9	16	28	3	83	131	52	4	8	19	59	68
\$ 10,000 to \$ 24,999 .....	25	40	76	127	17	428	863	436	30	104	51	168	442
25,000 " 49,999 .....	27	117	240	447	32	1,114	2,057	961	17	73	143	548	1,026
50,000 " 99,999 .....	24	241	502	869	57	2,322	3,886	1,597	11	58	297	1,149	1,861
100,000 " 199,999 .....	25	450	943	1,645	80	4,223	7,863	3,654	1	5	559	2,315	3,785
200,000 " 499,999 .....	18	710	1,413	2,510	117	7,878	13,458	5,643	—	—	855	3,377	5,791
500,000 " 999,999 .....	11	780	1,611	3,220	138	12,872	20,984	8,363	—	—	970	4,298	8,612
1,000,000 " 4,999,999 .....	8	1,207	2,437	5,502	245	18,953	33,467	14,668	—	—	1,880	9,366	15,553
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	71	298	...
Totals .....	148	3,554	7,237	14,347	689	47,874	82,709	35,374	63	248	4,845	21,578	37,139
1965													
Under \$10,000 .....	9	6	9	15	3	105	153	58	9	27	7	18	58
\$ 10,000 to \$ 24,999 .....	26	47	92	158	16	498	952	466	24	85	65	232	466
25,000 " 49,999 .....	23	101	203	355	21	808	1,616	810	20	78	116	425	810
50,000 " 99,999 .....	28	255	526	965	66	2,885	4,930	2,038	12	61	318	1,292	2,290
100,000 " 199,999 .....	31	515	1,041	2,030	81	5,560	10,113	4,659	—	—	630	2,714	4,922
200,000 " 499,999 .....	22	724	1,497	2,902	129	7,747	14,281	6,544	1	10	877	3,973	6,829
500,000 " 999,999 .....	10	762	1,543	3,524	117	12,989	20,383	7,480	—	—	941	4,557	7,831
1,000,000 " 4,999,999 .....	11	1,666	3,514	7,615	306	28,449	50,584	21,834	—	—	2,413	12,035	23,311
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	65	305	...
Totals .....	160	4,076	8,426	17,564	740	59,042	103,012	43,890	66	261	5,432	25,551	46,267



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 .....	9	8	14	26	3	81	119	43	4	8	15	44	49
\$ 10,000 to \$ 24,999 .....	25	38	72	119	17	412	839	426	28	98	51	168	435
25,000 " 49,999 .....	26	111	224	415	28	1,031	1,925	891	19	79	134	507	900
50,000 " 99,999 .....	23	213	440	746	43	1,981	3,356	1,441	11	58	255	930	1,543
100,000 " 199,999 .....	26	444	911	1,628	78	3,939	7,580	3,651	1	5	551	2,260	3,754
200,000 " 499,999 .....	19	623	1,314	2,400	121	6,872	12,247	5,422	—	—	784	3,387	5,790
500,000 " 999,999 .....	12	910	1,825	3,512	154	14,605	23,176	8,831	—	—	1,104	4,619	9,114
1,000,000 " 4,999,999 .....	8	1,207	2,437	5,502	245	18,953	33,467	14,668	—	—	1,880	9,366	15,553
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	71	298	...
Totals .....	148	3,554	7,237	14,347	689	47,874	82,709	33,374	63	248	4,845	21,578	37,139
1965													
Under \$10,000 .....	9	6	9	15	3	105	153	58	9	27	7	18	58
\$ 10,000 to \$ 24,999 .....	26	47	92	158	16	498	952	466	24	85	65	232	466
25,000 " 49,999 .....	23	101	203	355	21	808	1,616	810	20	78	116	425	810
50,000 " 99,999 .....	26	220	443	808	49	2,234	4,093	1,852	12	61	266	1,011	1,872
100,000 " 199,999 .....	29	482	983	1,885	77	5,402	9,641	4,241	—	—	587	2,532	4,325
200,000 " 499,999 .....	26	792	1,639	3,204	151	8,556	15,590	7,148	1	10	972	4,436	7,845
500,000 " 999,999 .....	10	762	1,543	3,524	117	12,989	20,383	7,480	—	—	941	4,557	7,581
1,000,000 " 4,999,999 .....	11	1,666	3,514	7,615	306	28,449	50,584	21,934	—	—	2,413	12,035	23,311
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	65	305	...
Totals .....	160	4,076	8,426	17,564	740	59,042	103,012	43,890	66	261	5,432	25,551	46,267

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 .....	38	57	109	186	22	635	1,271	638	30	96	78	269	654
5- 14 employed .....	45	291	606	1,084	65	2,851	5,082	2,303	33	152	351	1,341	2,436
15- 49 " .....	41	866	1,767	3,149	164	8,647	16,342	7,840	—	—	1,074	4,446	8,193
50- 99 " .....	12	683	1,431	2,898	145	10,267	17,669	7,418	—	—	879	4,022	7,666
100-199 " .....	7	733	1,421	2,648	90	9,991	15,893	6,036	—	—	882	3,513	6,436
200-499 " .....	5	924	1,904	4,381	202	15,483	26,452	11,138	—	—	1,510	7,688	11,754
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	71	298	...
Totals .....	148	3,554	7,237	14,347	689	47,874	82,709	33,374	63	248	4,845	21,578	37,139
1965													
Under 5 employed .....	39	59	113	200	20	662	1,340	699	33	118	76	271	699
5- 14 employed .....	50	353	723	1,318	78	3,597	6,778	3,290	32	132	426	1,648	3,344
15- 49 " .....	44	935	1,937	3,794	167	10,473	18,765	8,269	1	10	1,146	5,211	8,893
50- 99 " .....	14	790	1,619	3,535	157	10,770	19,279	8,540	—	—	989	4,717	8,864
100-199 " .....	8	892	1,818	3,443	102	14,221	23,262	9,137	—	—	1,073	4,566	9,262
200-499 " .....	5	1,047	2,217	5,275	216	19,317	33,587	13,955	—	—	1,657	8,832	15,205
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	65	305	...
Totals .....	160	4,076	8,426	17,564	740	59,042	103,012	43,890	66	261	5,432	25,551	46,267

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 .....	22	79	164	271	18	752	1,482	747	22	80	83	285	747
Partnerships .....	16	39	77	141	14	425	937	504	41	168	44	156	510
Incorporated companies .....	110	3,436	6,996	13,935	657	46,696	80,290	34,122	...	...	4,647	20,838	35,882
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	71	298	...
<b>Totals .....</b>	<b>148</b>	<b>3,554</b>	<b>7,237</b>	<b>14,347</b>	<b>689</b>	<b>47,874</b>	<b>82,709</b>	<b>35,374</b>	<b>63</b>	<b>248</b>	<b>4,845</b>	<b>21,578</b>	<b>37,139</b>
<b>1965</b>													
Individual ownerships .....	28	102	206	414	19	941	1,989	1,047	28	111	106	432	1,044
Partnerships .....	14	28	54	90	15	407	873	458	38	149	30	94	458
Incorporated companies .....	118	3,946	8,166	17,060	706	57,694	100,149	42,386	...	...	5,231	24,720	44,765
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	65	305	...
<b>Totals .....</b>	<b>160</b>	<b>4,076</b>	<b>8,426</b>	<b>17,564</b>	<b>740</b>	<b>59,042</b>	<b>103,012</b>	<b>43,890</b>	<b>66</b>	<b>261</b>	<b>5,432</b>	<b>25,551</b>	<b>46,267</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 .....	82,709	103,012	8,349	10,415	91,058	113,427
Inventories— Goods of own manufacture:						
Add closing— Goods in process .....	2,998	3,531	...	...	2,998	3,531
Finished goods .....	3,609	3,823	...	...	3,609	3,823
Deduct opening— Goods in process .....	2,320	3,166	...	...	2,320	3,166
Finished goods .....	3,059	3,528	...	...	3,059	3,528
2. Net inventory change .....	1,228	660	...	...	1,228	660
3. Gross output (1 + 2) .....	83,937	103,672	8,349	10,415	92,286	114,087
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	6,406	7,770	6,406	7,770
Inventories— Goods not of own manufacture:						
Add opening .....	...	...	362	519	362	519
Deduct closing .....	...	...	518	687	518	687
5. Cost of goods sold (not of own manufacture) .....	...	...	6,250	7,602	6,250	7,602
6. Materials, supplies, etc. ....	47,874	59,042	335	437	48,209	59,479
7. Fuel and electricity .....	689	740	...	...	689	740
8. Gross input (5 + 6 + 7) .....	48,563	59,782	6,585	8,039	55,148	67,821
Value added (3 - 8) .....	35,374	43,890	1,764	2,376	37,139	46,267



TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
	number										\$'000				
1964															
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	19	—	—	—	3	1	—	—	22	1	66	—	17	—	83
New Brunswick	x	x	—	—	x	x	—	—	x	x	x	—	x	—	x
Quebec	443	3	1	—	82	16	45	3	571	22	1,688	6	575	284	2,553
Ontario	2,290	12	—	—	489	178	287	33	3,066	223	9,670	—	3,604	1,867	15,140
Manitoba	98	1	—	—	14	3	2	—	114	4	336	—	88	11	436
Saskatchewan	x	x	—	—	x	x	—	—	x	x	x	—	x	—	x
Alberta	335	14	—	—	41	10	5	—	381	24	1,035	—	250	13	1,298
British Columbia	308	4	—	—	53	15	6	—	367	19	1,481	—	459	41	1,981
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	3,519	35	1	—	685	224	345	36	4,550	295	14,347	6	5,007	2,217	21,578
1965															
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	x	—	—	—	x	x	—	—	x	x	x	—	x	—	x
New Brunswick	75	1	—	—	5	1	—	—	80	2	237	—	29	—	265
Quebec	522	3	2	—	55	22	48	3	627	28	2,021	17	488	351	2,877
Ontario	2,433	14	—	—	543	180	261	42	3,237	236	11,268	—	4,108	1,890	17,267
Manitoba	102	1	—	—	16	6	2	—	120	7	374	—	108	11	493
Saskatchewan	x	—	—	—	x	x	—	—	x	x	x	—	x	—	x
Alberta	476	27	10	—	43	11	7	1	536	39	1,618	45	263	40	1,966
British Columbia	388	—	—	2	59	25	4	—	451	27	1,919	1	571	35	2,527
Yukon and Northwest Terri- tories	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	4,030	46	12	2	728	246	322	46	5,092	340	17,564	63	5,595	2,328	25,551

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

Month	1964		1965	
	Male	Female	Male	Female
	number			
<b>Establishments reporting monthly detail (large establishments only):</b>				
January	2,686	31	3,091	24
February	2,787	34	3,362	32
March	3,032	34	3,600	36
April	3,338	33	3,819	37
May	3,569	37	3,904	59
June	3,709	38	3,975	64
July	3,708	35	3,985	56
August	3,495	32	3,806	48
September	3,304	34	3,729	47
October	2,954	33	3,620	40
November	2,803	31	3,700	49
December	2,730	31	3,536	45
Averages	3,175	34	3,677	46
<b>Establishments reporting annual averages (small establishments only)</b>	<b>344</b>	<b>1</b>	<b>353</b>	<b>—</b>
<b>Average for all establishments</b>	<b>3,519</b>	<b>35</b>	<b>4,030</b>	<b>46</b>

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 .....	40	8	41	89	—	89
Quebec .....	806	429	167	1,402	124	1,526
Ontario .....	7,618	2,354	2,838	12,810	290	13,100
Manitoba .....	125	31	73	229	—	229
Saskatchewan .....	x	—	x	x	—	x
Alberta .....	888	85	282	1,255	5	1,261
British Columbia .....	554	258	122	935	100	1,035
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	10,059	3,166	3,528	16,753	519	17,273
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	—	x	x	—	x
New Brunswick .....	192	18	72	282	—	282
Quebec .....	1,078	458	268	1,804	93	1,897
Ontario .....	9,090	2,485	2,616	14,191	412	14,603
Manitoba .....	207	26	176	410	—	410
Saskatchewan .....	x	—	x	x	—	x
Alberta .....	1,354	158	519	2,030	—	2,030
British Columbia .....	777	386	162	1,325	182	1,507
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	12,738	3,531	3,823	20,093	687	20,780

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	767	11	—
(b) Imported .....	"	293	4	—
Sub-bituminous coal (from Alberta mines only) .....	"	—	13	—
Anthracite coal .....	"	159	3	10
Lignite coal .....	"	32	1	1
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	304,090	122	303,190
Fuel oil including kerosene or coal oil .....	"	486,239	71	604,778
Wood .....	cord	—	15	—
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	14,068	4	29,425
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	169,679	140	204,908
Other fuel .....	...	...	1	—
Electricity purchased .....	kwh.	15,712,746	249	16,350,641
Steam purchased .....	...	...	2	4
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	81	...	85
3. All establishments:				
<b>Total fuel and electricity used</b> .....	...	<b>689</b>	...	<b>740</b>

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

Description	1964		1965	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Materials used:				
Castings (rough and semi-finished) received from foundry:				
Iron .....	155	82	880	340
Steel .....	1,847	606	2,640	939
Steel (except alloy):				
Bars and rods .....	2,485	444	3,291	658
Plates .....	3,739	644	5,577	969
Sheets:				
Black .....	8,847	1,384	11,568	2,055
Galvanized .....	687	142	863	221
Tin plate .....	14	3	48	9
Structural shapes .....	4,365	766	5,857	1,107
Wire .....	85	20	69	17
Alloy steel in all forms:				
Stainless:				
Billets, bars and rods .....	...	3	...	25
Other .....	...	119	...	133
Other alloy and tool steel (including carbon, alloy and high speed steels):				
Billets, bars and rods .....	...	86	...	132
Other .....	...	115	...	208
Scrap iron and steel .....	5	--	2	--
Iron and steel pipe, tubing and fittings .....	...	240	...	433
Other iron and steel .....	...	779	...	1,447
Non-ferrous metals, including scrap:				
Aluminum:				
Castings .....	302,332	132	351,944	170
Sheet .....	4,086,808	2,093	5,480,188	2,945
Other forms .....	1,346,555	665	1,952,372	1,008
Brass and bronze .....	7,755	7	40,891	25
Copper:				
Wire .....	18,392	16	17,605	18
Other forms .....	62,183	27	108,532	63
Babbitt metals and solders .....	2,944	2	1,028	1
Other non-ferrous metals .....	...	--	...	9
Other materials:				
Paints, oils and varnishes .....	...	466	...	544
Lumber .....	14,267	1,773	19,497	2,502
All other materials and components used <sup>1</sup> .....	...	35,088	...	40,998
2. Containers and other packaging materials and supplies used .....	...	45	...	40
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	1,948	...	1,708
4. Amount paid out to others for work done on materials owned by establishments .....	...	177	...	321
<b>Totals</b> .....	...	<b>47,874</b>	...	<b>59,042</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 \$2,794,309 in 1964 and \$3,134,266 in 1965.

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

Description	1964		1965	
	Quantity	Value	Quantity	Value
	number	\$'000	number	\$'000
<b>1. Products:</b>				
Bodies and cabs:				
Dump bodies (steel and aluminum, all types and sizes) .....	2,776	3,859	3,196	3,775
Hydraulic hoists (sold without bodies) .....	3,002	2,464	4,181	1,461
Tailgate loaders (all sizes and types) .....	397	270	177	156
Stake bodies, grain bodies and cattle bodies .....	2,852	1,368	3,979	1,920
Rear unit truck van bodies (steel and aluminum) .....	1,713	2,624	1,883	2,913
Delivery bodies (dairy, bakery, parcel, etc., steel and aluminum) .....	3,154	4,413	..	..
Bus bodies .....	2,806	8,781	3,334	10,035
Tank bodies for trucks, all types .....	580	2,896	670	3,619
Utility and service bodies (including tire and tow truck) .....	915	1,825	1,216	2,268
All other bodies .....	...	3,257	...	7,883
Trailers:				
Cabin or house type .....	8,374	18,565	16,845	25,847
Boat trailers .....	5,566	638	2,783	338
Commercial semi-trailers:				
Stake type .....	1,162	5,010	1,552	6,956
Van type .....	1,438	9,253	1,603	10,179
Lowbed type .....	173	908	..	..
Logging type .....	141	963	155	1,119
Tank type .....	268	2,964	362	3,846
Dump type .....	201	1,211	..	..
Poletrailers .....	27	69	..	..
All other trailers .....	...	2,062	...	6,782
All other products .....	...	4,121	...	9,377
<b>2. Amount received in payment for work done on materials and products owned by others .....</b>	...	5,517	...	5,226
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(331)	...	(669)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
<b>Total adjusted value of shipments and work done .....</b>	...	<b>82,709</b>	...	<b>103,012</b>

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1964 and 1965

(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

**A. Truck Bodies and Cabs**

Type	1964		1965	
	Number	Value	Number	Value
		\$'000		\$'000
Dump bodies (steel and aluminum, all types and sizes) .....	3,731	5,181	3,934	4,719
Tailgate loaders (all sizes and types) .....	397	270	177	156
Stake bodies, grain bodies and cattle bodies .....	4,068	1,964	4,013	1,959
Rear unit truck van bodies (steel and aluminum) .....	1,719	2,631	1,883	2,913
Delivery bodies (dairy, parcel, etc., steel and aluminum) .....	3,154	4,413	2,830	4,665
Bus bodies .....	2,806	8,781	3,334	10,035
Tank bodies for trucks, all types .....	870	3,945	1,075	5,654
Utility and service bodies (including tire and tow truck) .....	1,289	2,177	1,502	2,819
All other bodies .....	...	4,004	...	6,022
<b>Totals .....</b>	...	<b>33,366</b>	...	<b>38,942</b>
Hydraulic hoists (sold without bodies) .....	6,115	3,491	6,725	2,184

**B. Trailers**

Type	1964		1965	
	Number	Value	Number	Value
		\$'000		\$'000
Tent trailers .....	..	704	..	1,644
Travel trailers .....	7,474	10,135	8,661	12,033
Mobile homes .....	2,152	10,529	3,395	15,461
Commercial semi-trailers:				
Stake type .....	1,568	6,707	1,964	8,724
Van type .....	2,096	14,055	2,193	14,441
Lowbed type .....	180	951	217	1,300
Logging type .....	246	1,629	278	2,000
Tank type .....	268	2,964	410	4,369
Dump type .....	232	1,398	249	1,585
Pole type .....	32	92	..	..
Boat trailers .....	13,392	1,828	9,897	1,422
All other trailers .....	...	3,178	...	3,247
<b>Totals .....</b>	...	<b>54,170</b>	...	<b>66,310</b>

<sup>1</sup> Included with "All other trailers".



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>	
Middle West Pubnico Bus Builders .....	Middle West Pubnico
N.S. Body Bldg. and Paint Works .....	6116 Almon St., Halifax
Wilson's Truck-Body Shop Ltd. ....	Truro
<b>New Brunswick:</b>	
Glendale Mobile Homes Ltd. ....	Sussex
Industrial Cab Co. Ltd. ....	McAdam
Pyramid Mobile Homes (Maritimes) Ltd. ....	Industrial Park, Fredericton
<b>Quebec:</b>	
Accessoire de Camping Mobile Ltée .....	St. Jean
Almac Metalcraft Inc. ....	8849 Crescent St., Ville d'Anjou
Altruck Limited .....	6100 Côte-Noire, St-Hubert
Atlas Holst & Body Inc. ....	6124 Côte-de-Liesse Rd., Montreal
Aumand Trullier & Equipment Co. Ltd. ....	885 Montée de Liesse, St. Laurent
Corbell, J.H. Ltée .....	St-Lin
Deblois, Raymond .....	Ste-Marguerite
Dorchester Body Enrg. ....	Ste-Claire-de-Dorchester
Easy-Tow Trailers Reg'd. ....	1456-95th Ave., Fabreville
Electric & Gas Welding Co. Ltd., The .....	933 Simard St., Chambly
Fleet Truck Bodies Inc. ....	11155 Ray Lawson Blvd., Ville d'Anjou
Fleurent, Paul Emile .....	2720, ruelle Ontario, Montreal
Fontaine Body Ltd. ....	Cowansville
Gaymor Trailers Ltd. ....	4405 Chambly Rd., St. Hubert
Ideal Body Ltd. ....	225 St-Sacrement Ave., Quebec
La Compagnie Lauzon Inc. ....	Ste-Anne-des-Plaines
Lacasse, V. Ltd. ....	8430-9ième Ave., St-Michel
Larman Motor Bodies Ltd. ....	2125 Théodore St., Montreal
Lavergne Industries Enr. ....	1281-7e Ave., Grand'Mère
Lavoie, O. & Fils Enr. ....	Chomedey
Lefevre, Emile & Fils Enr. ....	St-Léonard
Les Remorques Vallières .....	St-Henri-de-Lévis
Lirette Louis Enr. ....	4140 Rouen St., Montreal
Nadeau, Paul E. ....	354, rue Témiscouata, Rivière-du-Loup
Perron Trailer Builder Co. ....	St-Léonard
Portelance, S. Enr. ....	Pointe-Claire
Roulottes Champlain Ltée. ....	R.R. #1, St-Luc
St. Johns, Sheet Metal Ltd. ....	St-Jean
St-Léonard Machinerie .....	St-Léonard
Tougas, A.L. Ltée. ....	Iberville
Trailer Equipment Ltd. ....	9170 St. Lawrence Blvd., Montreal
Truck Body Builders & Repairs Ltd. ....	1437 St-Louis St., Montreal
Vézina, Etienne .....	Notre-Dame Hébertville, Lac St-Jean
Vigeant, Jean-Marc .....	St-Alexandre-d'Iberville
William, Denis .....	St-Hilaire
<b>Ontario:</b>	
Aljohn Products Ltd. ....	424 Birchmount Rd., Scarborough
B.K. & B. Truck Bodies Ltd. ....	Industry Rd., London
Babcock, J.H. & Sons Ltd. ....	Odessa
Back Motor Bodies Ltd. ....	391 Alliance Ave., Toronto
Bilrite Mobile Homes .....	2403 London Rd., Sarnia
Brantford Trailer & Body Ltd. ....	22 Mohawk St., Brantford
Brass, W.S. Motor Bodies Ltd. ....	256 Attwell Dr., Rexdale
Canadian Blue Bird Coach Ltd. ....	Highway 53, Brantford
Canadian Campers .....	77 Pelham Ave., Toronto
Canadian Trailmobile Ltd. ....	807 Pharmacy Ave., Scarborough
Canasco Products Ltd. ....	121 Howden Rd., Scarborough
Canmore Body & Trailer Co. Ltd. ....	70 Grand Ave., Toronto
Caravel Coach Co. ....	15 Jutland Rd., Toronto
Commercial Truck Bodies Ltd. ....	78 Advance Rd., Toronto
Custom Trailers Ltd. ....	Exeter
Davies Truck Equip. Ltd. ....	10 Keifield St., Rexdale
Doerr, Geo. C. Body & Trailer Co. ....	229 Breithaupt St., Kitchener
Elcombe Engineering Ltd. ....	3327 Russel St., Windsor
Emperor Tent Trailer Co. ....	Waterloo
Fawcett Van & Stake Ltd. ....	789 Woodward Ave., Hamilton
Felder Truck Body & Trailer Co. Ltd. ....	537 Frederick St., Kitchener
Ferguson Thresher Co. ....	Maxville
Foreman Tank & Welding Ltd. ....	St. Mary's
Fruehauf Trailer Co. of Canada Ltd. ....	Dixie
General Coach Works of Canada Ltd. ....	Hensall
Glendale Mobile Homes Ltd. ....	Strathroy
Haul-A-Day Trailers .....	St. Mary's
Highway Trailers of Canada Ltd. ....	3280 Wharton Way, Cooksville
Ivey Trailers .....	Chemong Rd., Peterborough
Jauvin Truck Bodies Ltd. ....	1067 St. Laurent Blvd., Ottawa
Maple Leaf Metal Products Ltd. ....	2531 McDougall St., Windsor
Marten Mfg. Ltd. ....	Havelock
Mohawk Motor Body Co. ....	75 Queen St. N., Toronto
Multi Vans Ltd. ....	Woodbridge
Noble, R. & Sons .....	Shallow Lake
Pyramid Mobile Homes (1959) Ltd. ....	4100 Sandwich St. W., Windsor
Quality Body & Refrigerator Mfg. Ltd. ....	R.R. #1, Jerseyville
Rambler Trailer Co. ....	Burlington
Richardson, C. & Co. Ltd. ....	St. Mary's
Rocket Trailers Ltd. ....	R.R. No. 3, Kitchener
St. Catharines Auto Bodies Ltd. ....	207 St. Paul St. W., St. Catharines



List of Establishments classified to this Industry, 1965 - Concluded

Name	Location
<b>Ontario—Concluded:</b>	
Smith Bros. Motor Bodies Ltd.	170 Bartley Drive, Toronto
Southwestern Custom Travel Homes Ltd.	Hagersville
Steadman Industries Ltd.	Cooksville
Sturdy Truck Body Mfg. Co. Ltd.	196 River Rd. W., Kitchener
Swartz, S. & Sons	11 Carlaw Ave., Toronto
Tank Vessels & Pipe Ltd.	Wallaceburg
Ted's Homes Ltd.	R.R. # 2, North Bay
Thomas Built Buses of Canada Ltd.	Tecumseh St., Woodstock
Tipping Motor Bodies Ltd.	Tottenham
Travel Equipment Canada Ltd.	1249 Guelph Line, Burlington
Truck Engineering Ltd.	165 Wellington St. S., Woodstock
20th Century Mobile Homes Ltd.	R.R. # 4, London
Van-Wilson Ltd.	Howard Rd., Burlington
Walinga Body & Coach Ltd.	Fergus
Welles Corp. Ltd.	2650 Metcalfe St., Windsor
Wilsie Woodworking	R.R. # 5, Aylmer
Wood, Phil Industries Ltd.	857 Techumseh Rd. E., Windsor
<b>Manitoba:</b>	
Brandon Body Works Ltd.	Brandon
Chalmers Auto Truck & Body Works Ltd.	342 Nairn Ave., Winnipeg
Ellas, Thomas Mfg. Co. Ltd.	1061 Notre Dame Ave., Winnipeg
Flatts Truck & Trailer Body Works	274 Talbot Ave., Winnipeg
Handi Tool Co.	1245 Gateway Rd., North Kildonan
Kaplan Enterprises	1304 Madison St., Winnipeg
Lawrie Wagon & Carriage Co. Ltd., The	583 Wall St., Winnipeg
Lindale Mobile Homes	R.R. # 1, Winnipeg
Midland of Canada	642 Notre Dame Ave., Winnipeg
Redlick Trailer Co. Ltd.	Brandon
Sangster's Wagon & Body Works Ltd.	100 Higgins Ave., Winnipeg
Viscount Trailers Ltd.	1063 Sherwin Rd., Winnipeg
<b>Saskatchewan:</b>	
Douglas Manufacturing Co. Ltd.	Fatonia
Hub Truck Body & Trailer Works	615 Ave. "O" South, Saskatoon
Sherwood Industries Ltd.	140-4th Ave., Regina
<b>Alberta:</b>	
Akkerman Trailers	1029-17th Ave S.E., Calgary
Alberta Truck Box Co. Ltd.	16004-118th Ave., Edmonton
Armand Truck Body Works	11919-72nd St., Edmonton
Belmont Body Works Ltd.	12517-72nd St., Edmonton
Calgary Wheel Repair & Mastercraft Trailer Co.	1430-9th Ave. S.E., Calgary
Central Truck Body	Wetaskiwin
Custom Holst & Truck Body Ltd.	12233-67th St., Edmonton
Dittrich Millwork	Stettler
Dual-Craft Industries Ltd.	7524-98 A Ave., Edmonton
Edmonton Truck Body Ltd.	12135 Fort Rd., Edmonton
General Coachworks of Canada Ltd.	Port MacLeod
Glendale Mobile Homes Ltd.	Wetaskiwin
Goldencrafts Mfg. Ltd.	329-3rd Ave S.E., Calgary
Holiday Trailers Ltd.	Lethbridge
Knight, A. & C. (Alberta) Ltd.	Medicine Hat
Kunze, K.H. Trailer Manufacture	1313-41st St. S.E., Calgary
Lynne, George Construction	422 A-40th Ave. N.E., Calgary
McCoy-Renn Trailer Ltd.	510-36th Ave., Calgary
Mobile Living Products Ltd.	Red Deer
National Trailer Mfg. Ltd.	10380-59th Ave., Edmonton
Park Industries Ltd.	10380-59th Ave., Edmonton
Roadway Trailers Ltd.	6929-103rd St., Edmonton
Safari Manufacturing Ltd.	7025-82nd Ave., Edmonton
Sportcraft Manufacturing Ltd.	7005-104th St., Edmonton
Sunnyside Auto Body Industries Ltd.	3619-2nd St. N.E., Calgary
Travelaire Trailer Mfg. Ltd.	9935-69th Ave., Edmonton
Watson Industries (Alta.) Ltd.	Clareholm
Western Truck Body Mfg. Ltd.	9539-56th Ave., Edmonton
<b>British Columbia:</b>	
Brentwood Trailers Ltd.	1822 Franklin St., Vancouver
Cave-man Campers Ltd.	1812 Douglas St., Victoria
Collins Mfg. Co. Ltd.	Burnaby
Columbia Trailer Co. Ltd.	North Burnaby
Commercial Body Builders Ltd.	3839 Myrtle St., Burnaby
Custom Engineering Ltd.	896 New River Drive, Richmond
Eldorado Manufacturing Ltd.	15420 Fraser Highway, North Surrey
Husky Camper & Trailer Mfg.	Lougheed Hwy. & Leeder Ave., New Westminster
Knights, A. & C. Ltd.	Port Moody
Lang-Ford Truck Equip. Ltd.	1828 Clarke Drive, Vancouver
Modernistic Products Ltd.	26926 South Fraser Hwy., Aldergrove
P & L Manufacturing Co.	13486-108th Ave., North Surrey
R & M Manufacturing Ltd.	398 East Pender St., Vancouver
Reliance Truck & Equipment Ltd.	270 Harbour Ave., North Vancouver
Ribchester, G.W. & Son Ltd.	794 Powell St., Vancouver
Vanguard Trailers Ltd.	1104 Cambie Rd., Richmond
White & Taylor Ltd.	445 West, 2nd Ave., Vancouver
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# 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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