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A - Annual

Q - Quarterly

M - Monthly

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TRUCK BODY AND TRAILER MANUFACTURERS

1964

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.

It should be noted that there were 17 more firms included in this industry in 1964 but the real change involved the addition of 34 firms and the elimination of 17 firms.

The total number employed in the industry increased by 716 and salaries and wages increased by \$3,742,000. Manufacturing employees represented 73% of total employment and accounted for 575 employees and \$2,655,000 of the total increase. Man hours worked increased by 1,113,000 hours.

During the same period shipments of products of own manufacture increased by \$17,969,000, materials used in manufacturing by \$6,594,000 and value added on products of own manufacture by \$10,292,000.

Shipments of bodies, cabs and trailers represented 89% of products of own manufacture. Other products included cranes, structural steel, farm wagons, snow plows and dairy plant equipment.

SYMBOLS

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

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

— amount too small to be expressed.

p preliminary figures.

r revised figures.

x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-64

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
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													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	3	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick	—	—	—	—	—	—	—	—	—	—	—	—	—
Quebec	30	383	799	1,397	78	3,320	6,397	3,035	25	86	485	1,954	3,284
Ontario	53	2,002	4,126	8,050	397	29,077	46,850	17,470	26	110	2,906	12,874	18,053
Manitoba	9	90	186	288	18	632	1,325	661	3	10	113	403	659
Saskatchewan	2	x	x	x	x	x	x	x	x	x	x	x	x
Alberta	21	244	507	775	37	2,856	4,419	1,534	7	27	293	1,017	1,561
British Columbia	13	234	452	1,091	50	3,240	5,395	2,187	—	—	301	1,478	2,295
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
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

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1963 and 1964

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	
1963													
Under \$10,000	4	3	6	7	1	11	32	22	2	3	5	13	22
\$ 10,000 to \$ 24,999	11	12	25	37	5	64	198	134	11	35	17	52	134
25,000 " 49,999	17	41	80	132	12	301	674	363	18	76	53	187	363
50,000 " 99,999	23	95	194	341	31	739	1,558	789	24	85	117	418	801
100,000 " 199,999	23	208	425	703	35	1,812	3,246	1,473	9	44	265	940	1,478
200,000 " 499,999	23	435	884	1,553	81	3,354	6,690	3,222	—	—	569	2,340	3,439
500,000 " 999,999	12	442	908	1,736	82	5,519	9,153	3,573	—	—	554	2,368	3,739
1,000,000 " 4,999,999	18	1,743	3,602	7,183	341	27,480	43,188	15,506	—	—	2,549	11,517	16,053
5,000,000 and over	18	1,743	3,602	7,183	341	27,480	43,188	15,506	—	—	2,549	11,517	16,053
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	131	2,979	6,124	11,692	587	39,280	64,740	25,082	64	245	4,129	17,836	26,028
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	22,956	38,419	15,680	—	—	1,992	8,506	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

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1963 and 1964

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	
1963													
Under \$10,000	9	7	14	19	3	58	127	66	7	19	11	31	66
\$ 10,000 to \$ 24,999	22	44	88	150	13	410	806	386	23	83	60	209	388
25,000 " 49,999	29	131	269	435	34	1,181	2,191	1,026	26	102	160	562	1,044
50,000 " 99,999	20	220	468	764	49	2,033	3,526	1,464	8	41	283	1,066	1,728
100,000 " 199,999	24	454	917	1,627	76	4,408	7,904	3,366	—	—	574	2,319	3,439
200,000 " 499,999	10	496	993	1,814	85	5,529	8,912	3,313	—	—	614	2,460	3,359
500,000 " 999,999	12	865	1,822	3,477	147	11,641	19,284	7,756	—	—	1,069	4,657	7,843
1,000,000 " 4,999,999	5	762	1,554	3,406	180	14,019	21,989	7,706	—	—	1,358	6,532	8,162
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	131	2,979	6,124	11,692	587	39,280	64,740	25,082	64	245	4,129	17,836	26,028
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	3,888	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

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1963 and 1964

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	
1963													
Under \$10,000	9	7	14	19	3	58	127	66	7	19	11	31	66
\$ 10,000 to \$ 24,999	22	44	88	150	13	410	806	386	23	83	60	209	388
25,000 " 49,999	29	131	269	435	34	1,181	2,191	1,026	26	102	160	562	1,044
50,000 " 99,999	17	161	332	560	32	1,193	2,392	1,194	8	41	204	731	1,192
100,000 " 199,999	24	447	908	1,564	74	4,013	7,424	3,282	—	—	564	2,221	3,327
200,000 " 499,999	14	595	1,208	2,214	118	7,369	11,553	4,183	—	—	761	3,127	4,507
500,000 " 999,999	11	832	1,751	3,344	134	11,035	18,258	7,240	—	—	1,011	4,423	7,344
1,000,000 " 4,999,999	5	762	1,554	3,406	180	14,019	21,989	7,706	—	—	1,358	6,532	8,162
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	131	2,979	6,124	11,692	587	39,280	64,740	25,082	64	245	4,129	17,836	26,028
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	691	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	35,374	63	248	4,845	21,578	37,139

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1963 and 1964

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	
1963													
Under 5 employed	31	39	81	130	15	456	999	525	32	105	53	191	525
5 - 14 employed	41	230	463	794	58	2,132	3,940	1,801	32	140	293	1,050	1,820
15 - 49 "	37	754	1,538	2,668	137	7,878	13,433	5,342	—	—	952	3,820	5,737
50 - 99 "	13	720	1,543	2,950	153	10,218	16,874	6,777	—	—	912	3,969	6,842
100-199 "	5	582	1,186	2,233	66	6,030	10,203	4,064	—	—	687	2,894	4,039
200-499 "	4	654	1,312	2,918	159	12,566	19,292	6,573	—	—	1,232	5,912	7,065
500 employed and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	131	2,979	6,124	11,692	587	39,280	64,740	25,082	64	245	4,129	17,836	26,028
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	35,374	63	248	4,845	21,578	37,139

TABLE 6. Principal Statistics classified by Type of Organization, 1963 and 1964

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1963													
Individual ownerships	18	61	126	194	14	495	1,001	496	18	69	67	205	499
Partnerships	16	24	50	82	14	370	811	436	46	176	27	88	435
Incorporated companies	97	2,894	5,948	11,415	560	38,415	62,928	24,150	...	...	4,035	17,543	25,095
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	131	2,979	6,124	11,692	587	39,280	64,740	25,082	64	245	4,129	17,836	26,028
1964													
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	8,996	13,935	657	46,696	80,290	34,122	...	...	4,847	20,838	35,882
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
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

TABLE 7. Calculation of Output, Input and Value Added, 1963 and 1964

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
\$'000						
Output						
1. Shipments and other revenue	64,740	82,709	6,913	8,349	71,653	91,058
Inventories—Goods of own manufacture:						
Add closing—Goods in process	2,208	2,998	...	...	2,208	2,998
Finished goods	3,662	3,609	...	...	3,662	3,609
Deduct opening—Goods in process	2,307	2,320	...	...	2,307	2,320
Finished goods	3,354	3,059	...	...	3,354	3,059
2. Net inventory change	209	1,228	...	...	209	1,228
3. Gross output (1 + 2)	64,949	83,937	6,913	8,349	71,862	92,286
Input						
4. Purchases of goods not of own manufacture .....	...	...	5,748	6,406	5,748	6,406
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	435	362	435	362
Deduct closing .....	...	...	402	518	402	518
5. Cost of goods sold (not of own manufacture) .....	...	...	5,781	6,250	5,781	6,250
6. Materials, supplies, etc.	39,280	47,874	185	335	39,465	48,209
7. Fuel and electricity	587	689	...	...	588	689
8. Gross input (5 + 6 + 7)	39,868	48,563	5,966	6,585	45,834	55,148
Value added (3 - 8)	25,082	35,374	946	1,764	26,028	37,139

TABLE 8. Employment and Payroll, 1963 and 1964

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 distribution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			Manufacturing	Other	
	number										\$'000				
1963															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	382	1	1	-	74	13	14	-	471	14	1,397	8	434	115	1,954
Ontario	1,988	14	-	-	444	148	282	30	2,714	192	8,050	-	3,210	1,615	12,874
Manitoba	89	1	1	-	16	3	3	-	109	4	288	7	92	15	403
Saskatchewan	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Alberta	236	8	-	-	34	10	5	-	275	18	775	-	217	25	1,017
British Columbia	231	3	-	-	48	15	4	-	283	18	1,091	-	366	21	1,478
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,952	27	2	-	620	190	308	30	3,882	247	11,692	14	4,338	1,792	17,836
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 Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	3,519	35	1	-	685	224	345	36	4,550	295	14,347	6	5,007	2,217	21,578

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1963 and 1964

Month	1963		1964	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	2,367	21	2,666	31
February	2,564	25	2,787	34
March	2,725	26	3,032	34
April	2,811	29	3,338	33
May	3,050	33	3,569	37
June	3,176	33	3,709	38
July	3,068	32	3,708	35
August	2,867	27	3,495	32
September	2,583	26	3,304	34
October	2,426	24	2,954	33
November	2,499	24	2,803	31
December	2,298	22	2,730	31
Averages	2,704	27	3,175	34
Establishments reporting annual averages (small establishments only)	248	-	344	1
Average for all establishments	2,952	27	3,519	35

TABLE 10. Inventories, 1964

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	16	—	5	21	—	21
New Brunswick	x	—	x	x	—	x
Quebec	696	247	224	1,168	52	1,220
Ontario	6,395	1,843	2,454	10,691	241	10,932
Manitoba	81	27	58	165	—	165
Saskatchewan	x	—	x	x	—	x
Alberta	580	44	185	809	2	811
British Columbia	437	159	132	728	66	794
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	8,211	2,320	3,059	13,591	362	13,953
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	19	—	6	25	—	25
New Brunswick	x	x	x	x	—	x
Quebec	799	402	200	1,402	128	1,529
Ontario	8,264	2,221	2,864	13,349	286	13,634
Manitoba	84	29	55	168	—	168
Saskatchewan	x	x	x	x	—	x
Alberta	725	88	334	1,147	5	1,152
British Columbia	553	251	107	910	100	1,010
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	10,491	2,998	3,609	17,098	518	17,617

TABLE 11. Purchased Fuel and Electricity Used in Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	896	767	11
(b) Imported	"	619	293	4
Sub-bituminous coal (from Alberta mines only)	"	—	—	—
Anthracite coal	"	129	159	3
Lignite coal	"	45	32	1
Coke	"	—	—	—
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	263,699	304,090	122
Fuel oil including kerosene or coal oil	"	457,833	486,239	71
Wood	cord	9	—	—
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	4,327	14,068	4
(b) Other manufactured gas	M cu. ft.	—	—	—
(c) Natural gas	"	138,587	169,679	140
Other fuel .....	...	—	...	1
Electricity purchased	kwh.	12,836,856	15,712,746	249
Steam purchased .....	...	2	...	2
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	70	...	81
3. All establishments:				
Total fuel and electricity used .....	...	587	...	689

TABLE 12. Materials and Supplies—Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Castings (rough and semi-finished) received from foundry:				
Iron	ton 140	72	155	82
Steel	" 1,578	784	1,847	606
Steel (except alloy):				
Bars and rods	" 2,781	512	2,485	444
Plates	" 3,539	549	3,739	644
Sheets:				
Black	" 7,860	1,170	8,847	1,384
Galvanized	" 824 ^r	173 ^r	887	142
Tin plate	" —	—	14	3
Structural shapes	" 3,243	589	4,365	766
Wire	" 211	53	85	20
Alloy steel in all forms:				
Stainless:				
Billets, bars and rods .....	... 3	3	...	3
Other .....	... 78	78	...	119
Other alloy and tool steel (including carbon, alloy and high speed steels):				
Billets, bars and rods .....	... 33	33	...	86
Other .....	... 128	128	...	115
Scrap iron and steel	ton 260	12	5	--
Iron and steel pipe, tubing and fittings .....	... 317	317	...	240
Other iron and steel .....	... 838 ^r	838 ^r	...	779
Non-ferrous metals, including scrap:				
Aluminum:				
Castings	pound 32,345	19	302,332	132
Sheet	" 2,661,152	1,439	4,086,808	2,093
Other forms	" 1,087,883	639	1,346,555	665
Brass and bronze	" 1,918	2	7,755	7
Copper:				
Wire	" 18,957	13	18,392	16
Other forms	" 38,838	17	62,183	27
Babbitt metals and solders	" 2,282	2	2,944	2
Other non-ferrous metals .....	... 4	4	...	—
Other materials:				
Paints, oils and varnishes .....	... 444	444	...	466
Lumber	M. bd. ft. 13,971	1,653	14,267	1,773
All other materials and components used ¹ .....	... 27,749	27,749	...	35,088
2. Containers and other packaging materials and supplies used .....	... 20	20	...	45
3. Operating, maintenance and repair supplies used (excluding fuel) .....	... 1,852	1,852	...	1,948
4. Amount paid out to others for work done on materials owned by establishments .....	... 118	118	...	177
Totals .....	... 39,280	39,280	...	47,874

¹No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$1,897,138 in 1963 and \$2,794,309 in 1964.

TABLE 13. Shipments of Goods of Own Manufacture, 1963 and 1964

Description	1963		1964	
	Quantity	Value	Quantity	Value
	number	\$'000	number	\$'000
1. Products:				
Bodies and cabs:				
Dump bodies (steel and aluminum, all types and sizes).....	2,670	3,082	2,776	3,859
Hydraulic hoists (sold without bodies).....	2,488	2,238	3,002	2,464
Tailgate loaders (all sizes and types).....	254	222	397	270
Stake bodies, grain bodies and cattle bodies.....	2,728	1,215	2,852	1,368
Rear unit truck van bodies (steel and aluminum).....	1,140	1,749	1,713	2,624
Delivery bodies (dairy, bakery, parcel, etc., steel and aluminum).....	2,928	3,764	3,154	4,413
Bus bodies.....	2,545	7,175	2,806	8,781
Tank bodies for trucks, all types.....	475	2,536	580	2,896
Utility and service bodies (including tire and tow truck).....	896	1,681	915	1,825
All other bodies.....	...	2,237	...	3,257
Trailers:				
Cabin or house type.....	6,120	11,745	8,374	18,565
Boat trailers.....	3,422	451	5,566	638
Commercial semi-trailers:				
Stake type.....	1,086	4,660	1,162	5,010
Van type.....	1,230	6,970	1,438	9,253
Lowbed type.....	160	851	173	908
Logging type.....	93	608	141	963
Tank type.....	225	2,322	268	2,964
Dump type.....	137	907	201	1,211
Poletrailers.....	19	84	27	69
All other trailers.....	...	1,569	...	2,062
All other products.....	...	3,902	...	4,121
2. Amount received in payment for work done on materials and products owned by others.....	...	5,091	...	5,517
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above.....	...	(320)	...	(331)
Net adjustment for establishments receiving progress payments.....	...	-	...	-
Total adjusted value of shipments and work done.....	...	64,740	...	82,709

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1963 and 1964
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Truck Bodies and Cabs

Type	1963		1964	
	Number	Value	Number	Value
		\$'000		\$'000
Dump bodies (steel and aluminum, all types and sizes).....	3,685	3,856	3,731	5,181
Tailgate loaders (all sizes and types).....	257	225	397	270
Stake bodies, grain bodies and cattle bodies.....	2,951	1,350	4,068	1,964
Rear unit truck van bodies (steel and aluminum).....	1,141	1,753	1,719	2,631
Delivery bodies (dairy, parcel, etc., steel and aluminum).....	2,935	3,799	3,154	4,413
Bus bodies.....	2,545	7,175	2,806	8,781
Tank bodies for trucks, all types.....	802	3,836	870	3,945
Utility and service bodies (including tire and tow truck).....	1,111	2,086	1,289	2,177
All other bodies.....	...	2,380	...	4,004
Totals.....	...	26,460	...	33,366
Hydraulic hoists (sold without bodies).....	4,300	2,699	6,115	3,491

B. Trailers

Type	1963		1964	
	Number	Value	Number	Value
		\$'000		\$'000
Tent trailers.....	...	...	1,637	704
Travel trailers.....	5,482	6,584	7,474	10,135
Mobile homes.....	1,562	6,471	2,152	10,529
Commercial semi-trailers:				
Stake type.....	1,394	6,015	1,568	6,707
Van type.....	1,645	9,863	2,096	14,055
Lowbed type.....	167	891	180	951
Logging type.....	128	933	246	1,629
Tank type.....	225	2,322	268	2,964
Dump type.....	150	987	232	1,398
Pole type.....	19	84	32	92
Boat trailers.....	9,398	1,346	13,392	1,828
All other trailers.....	...	2,622	...	3,178
Totals.....	...	38,118	...	54,170

List of Establishments classified to This Industry, 1964

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

Name	Location
Nova Scotia:	
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
New Brunswick:	
Glendale Mobile Homes Ltd.	Sussex
Industrial Cab Co. Ltd.	McAdam
Quebec:	
Accessoire de Camping Mobile Ltée.....	St. Jean
Almac Metalcraft Inc.	8849 Crescent St., Ville d'Anjou
Altruck Limited	6100 Côte-Noire, St-Hubert
Allas Holst & Body Inc.	6124 Côte-de-Liesse Rd., Montreal
Aumand Trailer & Equipment Co. Ltd.	885 Montée de Liesse, St. Laurent
Corbell, J.H. Ltée.	St-Lin
Debois, Raymond.....	Ste-Marguerite
Dorchester Body Enrg.	Ste-Claire
East Air & Body Craft Ltd.	St-Jean
Electric Gas & Welding Co. Ltd., The.....	933 Simard St., Chambly
Federal General Trailer Corp.	200 Norman St., Ville St. Pierre
Fleet Truck Bodies Inc.	5760 Garnier St., Montreal
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
Jacques Bombadier	Valcourt
La Compagnie Lauzon Inc.	Ste-Anne-des-Plaines
Lacasse, V. Ltd.	8430 - 9ième Ave., St-Michel
Lafond, F.X. Enr.	3701 St-Jacques W., Montreal
Larman Motor Bodies Ltd.	2125 Théodore St., Montreal
Lavoie, O. & Fils Enrg.	Chomedey
Lefevre, Emile & Fils Enrg.	St-Léonard
Lefevre, Louis Enrg.	4140 Rouen St., Montreal
Petro Trailer Builder Co.	St-Leonard
Portelance, S. Enrg.	Pointe Claire
Reulottes Champlain Ltée.	St-Jean
St. Johns, Sheet Metal Ltd.	St-Jean
St. Leonard Machinerie	St-Leonard
Tougas, A.L. Ltée.	Iberville
Trailer Equipment Ltd.	9170 St. Lawrence Blvd., Montreal
Truck Body Builders & Repairs Ltd.	1437 St-Louis St., Montreal
Vigeant, Jean-Marc	St-Alexandre-d'Iberville
William, Denis	St-Hilaire
Ontario:	
B.K. & B. Truck Bodies Ltd.	Industrial Rd., London
Bak Motor Bodies Ltd.	391 Alliance Ave., Toronto
Biltrite Mobile Homes.	2403 London Rd., Sarnia
Brantford Trailer & Body Ltd.	22 Mohawk St., Brantford
Brighton Fabricators.....	Brighton
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
Canmor Body & Trailer Co. Ltd.	70 Grand Ave., Toronto
Commercial Truck Bodies Ltd.	78 Advance Rd., Toronto
Custom Trailers Ltd.	Exeter
Davies Truck Equip. Ltd.	10 Kelfield 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
Fleet-Line Products Ltd.	Waterford
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
Grimsby Machine Mfg. Co. Ltd.	Grimsby
Haul-A-Day Trailers	St. Mary's
Highway Trailers of Canada Ltd.	3280 Wharton Way, Cooksville
Ivey Trailers	Lansdowne St. E., Peterborough
Jauvin Bros.	1067 St. Laurent Blvd., Ottawa
Landsdowne Trailer & Fabricating Co.	169 Manitoba St., St. Thomas
Maple Leaf Metal Products Ltd.	2531 McDougal St., Windsor
Marten Mfg. Ltd.	Havelock
Milton Bus & Body Co. Ltd.	Milton
Mobilux Homes Ltd.	Aurora
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 & Refrigeration Mfg. Ltd.	Ancaster
Fambler Trailer Co.	Burlington
Richardson, C. & Co. Ltd.	St. Mary's

List of Establishments classified to This Industry, 1964 - Concluded

Name	Location
Ontario - Concluded:	
Rocket Trailers Ltd.	R.R. No. 3, Kitchener
St. Catharines Auto Bodies Ltd.	207 St. Paul St. W., St. Catharines
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	106 Grange 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
Truck Engineering Ltd.	165 Wellington St. S., Woodstock
20th Century Mobile Homes Ltd.	R.R. # 4 London
Van-Wilson Ltd.	Howard Rd., Burlington
Wallinga Body & Coach Ltd.	Fergus
Welles Corp. Ltd.	2650 Metcalfe St., Windsor
Wilson Motor Bodies Ltd., The	3560 Lake Shore Blvd. W., Long Branch
Wilson Truck Bodies	Aylmer
Wood, Phil Industries Ltd.	857 Tecumseh Rd. E., Windsor
Manitoba:	
Brandon Body Works Ltd.	Brandon
Camp Master Co., The	Starbuck
Chalmers Auto Truck & Body Works Ltd.	342 Nairn Ave., Winnipeg
Elias, 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 Klidonan
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
Saskatchewan:	
Douglas Manufacturing Co. Ltd.	Eatonia
Hub Truck Body & Trailer Works	615 Ave. "O" South, Saskatoon
Alberta:	
Akkerman Trailers	5339-17th 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
Custom Hoist & Truck Body Ltd.	12233-67th St., Edmonton
Dittrich Millwork	Stettler
Dual-Craft Industries Ltd.	7524-98A Ave., Edmonton
Edmonton Truck Body Ltd.	12135 Fort Rd., Edmonton
General Coachworks of Canada Ltd.	Fort MacLeod
Glendale Mobile Homes Ltd.	Wetaskiwin
Goldencrafts Mfg. Ltd.	329-3rd Ave. S.E., Calgary
Holiday Trailers Ltd.	Lethbridge
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
Sunnyside Auto Body Industries Ltd.	3619-2nd St. N.E., Calgary
Travelaire Trailer Mfg. Ltd.	9935-69th Ave., Edmonton
Watson Industries (Alta.) Ltd.	Claresholm
Western Truck Body Mfg. Ltd.	10344-59th Ave., Edmonton
British Columbia:	
Brentwood Trailers Ltd.	1822 Franklin St., Vancouver
Caveman Campers Ltd.	1812 Douglas St., Victoria
Collins Mfg. Co. Ltd.	Burnaby
Columbia Trailer Co. Ltd.	North Burnaby
Commercial Body Builders Ltd.	Port Moody
Custom Engineering Ltd.	896 New River Drive, Richmond
Evergreen Trailer Co. Ltd.	North Surrey
Knights, A. & C. Ltd.	Port Moody
Lang-Ford Truck Equip. Ltd.	1828 Clarke Drive, Vancouver
Reliance Truck & Equipment Ltd.	1506 W. 3rd Ave., Vancouver
Ribchester, G.W. & Son Ltd.	794 Powell St., Vancouver
Vanguard Trailers Ltd.	1104 Cambie Rd. Richmond
Westminster Truck Equip. Ltd.	Port Coquitlam
White & Taylor Ltd.	445 West, 2nd Ave., Vancouver
Willock Truck Equip. Co. Ltd.	205 W. 2nd Ave., 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 56 (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 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 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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