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1965

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In the pages of Concepts and Definitions to be found at the end of this bulletin a concise outline has been presented on factors applicable to and comprised in the tabular matter compiled for this publication. The revised Standard Industrial Classification and the new concept of the establishment (reporting unit; see Concepts and Definitions) apply throughout this bulletin.

SYMBOLS

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

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

TABLE 1. Principal Statistics, 1961 - 65

Year and province	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	2,600	17,544	39,322	53,931	10,508	165,729	365,172	189,091	2,424	7,910	32,268	106,640	194,992
1962													
Totals	2,628	16,966	37,847	55,885	10,817	174,621	380,400	194,932	2,427	8,759	31,950	113,263	201,660
1963													
Totals	2,571	16,939	36,865	57,603	10,629	188,123	394,486	196,053	2,290	8,549	31,562	115,332	203,571
1964													
Newfoundland	19	158	356	505	97	1,941	3,748	1,708	x	x	260	903	1,937
Prince Edward Island	7	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	74	499	1,115	1,367	451	6,199	12,756	6,101	66	236	1,005	3,107	6,344
New Brunswick	56	555	1,187	1,377	492	6,684	13,710	6,526	37	121	1,007	3,037	6,533
Quebec	801	5,818	13,069	18,320	3,690	67,001	137,295	66,639	727	2,726	10,468	36,050	68,629
Ontario	794	6,824	15,178	25,512	4,515	81,133	167,145	81,616	762	2,865	12,607	50,883	85,217
Manitoba	153	788	1,609	3,330	595	8,603	19,375	10,177	138	539	1,516	6,387	10,659
Saskatchewan	114	483	1,037	1,933	322	5,049	12,678	7,307	84	329	966	3,835	7,620
Alberta	191	888	1,853	3,493	615	10,367	23,284	12,304	143	585	1,685	6,665	12,697
British Columbia	338	1,344	2,735	6,500	1,008	16,420	37,122	19,694	254	1,063	2,704	12,510	20,853
Yukon and Northwest Territories	1	x	x	x	x	x	x	x	-	-	x	x	x
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748
1965													
Newfoundland	19	208	454	614	109	2,276	4,529	2,144	x	x	307	1,046	2,214
Prince Edward Island	8	x	x	x	x	x	x	x	x	x	x	x	x
Nova Scotia	72	550	1,175	1,607	458	6,192	12,966	6,309	60	236	1,009	3,344	8,536
New Brunswick	61	579	1,212	1,493	519	7,249	14,577	6,794	43	129	1,104	3,568	6,841
Quebec	755	6,131	13,889	19,730	3,800	68,317	145,119	73,176	655	2,475	10,887	39,119	75,759
Ontario	766	6,830	15,168	27,950	4,637	81,638	172,124	85,940	721	2,979	12,572	54,212	90,281
Manitoba	153	781	1,543	3,253	622	8,572	19,450	10,257	139	530	1,557	6,634	10,720
Saskatchewan	116	468	994	1,908	345	5,244	12,810	7,221	78	325	1,006	4,188	7,698
Alberta	192	850	1,770	3,419	608	10,479	23,978	12,890	139	589	1,747	7,204	13,324
British Columbia	322	1,332	2,579	6,438	1,001	16,025	37,898	20,872	233	965	2,831	13,758	22,069
Yukon and Northwest Territories	1	x	x	x	x	x	x	x	-	-	x	x	x
Totals	2,465	17,771	38,865	66,497	12,125	206,265	444,048	225,904	2,087	8,293	33,082	133,225	235,765

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 man-u-fac-ture	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	154	6	16	23	43	469	1,010	498	155	299	34	79	551
\$ 10,000 to \$ 24,999	665	194	416	583	447	5,674	11,804	5,683	700	2,203	744	1,797	6,129
25,000 " 49,999	716	867	1,869	2,732	925	12,059	25,668	12,686	724	2,818	2,155	5,912	13,597
50,000 " 99,999	479	1,437	3,125	4,452	1,111	15,330	32,729	16,289	444	2,026	2,926	8,632	17,024
100,000 " 199,999	250	1,823	4,033	5,611	1,127	16,102	34,636	17,407	160	875	3,235	10,210	17,715
200,000 " 499,999	147	2,325	5,173	7,576	1,526	20,743	43,521	21,262	47	304	4,027	14,016	22,022
500,000 " 999,999	59	1,721	3,834	6,160	1,306	20,006	41,654	20,347	1	3	3,165	12,413	21,740
1,000,000 " 4,999,999	66	5,291	11,343	20,243	3,383	65,281	138,706	70,112	-	-	9,465	40,178	73,362
5,000,000 and over	12	3,722	8,388	15,022	1,943	48,004	97,936	48,047	-	-	6,150	27,691	48,653
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	366	2,567	(46)
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748
1965													
Under \$10,000	127	5	10	11	36	393	834	403	128	240	28	68	447
\$ 10,000 to \$ 24,999	605	192	402	575	414	5,026	10,683	5,243	637	2,059	672	1,664	5,671
25,000 " 49,999	687	802	1,671	2,621	888	11,410	24,763	12,465	674	2,737	1,992	5,706	13,145
50,000 " 99,999	503	1,537	3,273	4,946	1,147	15,648	34,357	17,564	450	2,096	3,156	9,721	18,258
100,000 " 199,999	254	1,787	3,905	5,927	1,166	15,913	35,442	18,361	153	853	3,226	10,874	18,808
200,000 " 499,999	149	2,228	4,981	7,833	1,489	20,391	45,102	23,222	45	307	3,945	14,840	24,217
500,000 " 999,999	60	1,806	4,024	6,564	1,397	19,850	41,662	20,423	-	-	3,367	13,485	22,130
1,000,000 " 4,999,999	67	5,448	11,811	21,304	3,562	65,792	143,320	74,029	-	-	9,822	43,353	78,318
5,000,000 and over	13	3,966	8,787	16,716	2,025	51,842	107,883	54,194	-	-	6,453	30,506	54,866
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	421	3,007	(94)
Totals	2,465	17,771	38,865	66,497	12,125	206,265	444,048	225,904	2,087	8,293	33,082	133,225	235,766

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 man-u-fac-ture	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	634	98	220	303	361	4,423	8,803	4,019	658	1,823	477	1,130	4,456
\$ 10,000 to \$ 24,999	914	1,012	2,171	3,119	1,116	14,798	30,854	14,940	939	3,538	2,542	6,866	16,156
25,000 " 49,999	482	1,484	3,226	4,601	1,160	15,891	33,754	16,702	450	2,049	2,970	8,793	17,259
50,000 " 99,999	233	1,772	3,918	5,379	1,095	15,622	33,074	16,356	129	739	3,129	9,833	16,744
100,000 " 199,999	128	1,902	4,228	6,141	1,191	16,218	34,420	17,020	54	375	3,308	11,308	17,541
200,000 " 499,999	79	2,158	4,803	7,688	1,569	24,203	50,674	24,904	1	3	3,905	15,119	26,422
500,000 " 999,999	42	2,491	5,387	9,511	1,498	31,329	64,185	31,443	-	-	4,237	17,883	32,351
1,000,000 " 4,999,999	33	5,173	11,209	20,814	2,940	63,201	134,038	67,904	-	-	9,089	40,123	70,758
5,000,000 and over	3	1,296	3,037	4,846	881	17,980	37,864	19,043	-	-	2,244	9,872	19,107
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	366	2,567	(46)
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748
1965													
Under \$10,000	552	91	193	268	321	3,820	7,677	3,536	573	1,611	402	978	3,878
\$ 10,000 to \$ 24,999	859	906	1,887	2,885	1,042	13,476	28,661	14,143	858	3,351	2,298	6,432	15,034
25,000 " 49,999	500	1,525	3,234	4,864	1,147	15,616	33,954	17,193	466	2,163	3,054	9,342	17,788
50,000 " 99,999	256	1,767	3,897	5,895	1,111	15,555	34,572	17,910	143	818	3,173	10,752	18,342
100,000 " 199,999	133	1,833	4,095	6,380	1,190	16,354	35,871	18,322	44	333	3,218	11,759	19,016
200,000 " 499,999	84	2,312	5,119	8,414	1,699	24,273	51,875	25,908	3	16	4,193	16,696	27,747
500,000 " 999,999	37	2,064	4,586	7,896	1,322	24,443	51,780	25,994	-	-	3,716	15,838	27,246
1,000,000 " 4,999,999	41	5,945	12,739	24,580	3,391	74,273	159,213	81,691	-	-	10,309	47,755	85,417
5,000,000 and over	3	1,328	3,114	5,314	903	18,456	40,444	21,207	-	-	2,298	10,667	21,391
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	421	3,007	(94)
Totals	2,465	17,771	38,865	66,497	12,125	206,265	444,048	225,904	2,087	8,293	33,082	133,225	235,765

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	594	82	183	250	321	4,049	8,093	3,723	616	1,688	402	939	3,865
\$ 10,000 to \$ 24,999	912	918	1,970	2,840	1,066	14,258	29,781	14,458	941	3,513	2,347	6,288	15,098
25,000 " 49,999	493	1,441	3,128	4,468	1,134	15,528	33,035	16,372	470	2,101	2,900	8,551	16,980
50,000 " 99,999	255	1,845	4,068	5,582	1,132	15,980	33,818	16,706	147	842	3,290	10,224	17,543
100,000 " 199,999	134	1,944	4,326	6,226	1,202	16,640	35,125	17,294	56	381	3,369	11,427	17,913
200,000 " 499,999	79	2,087	4,644	7,487	1,579	23,218	48,869	24,074	1	3	3,822	14,811	25,491
500,000 " 999,999	44	2,539	5,514	9,620	1,527	32,264	65,467	31,760	-	-	4,325	18,145	33,019
1,000,000 " 4,999,999	34	5,234	11,328	21,082	2,967	63,750	135,612	68,901	-	-	9,202	40,069	71,777
5,000,000 and over	3	1,296	3,037	4,846	881	17,980	37,864	19,043	-	-	2,244	9,872	19,107
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	366	2,567	(46)
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748
1965													
Under \$10,000	502	64	134	181	273	3,417	6,816	3,126	520	1,442	314	743	3,245
\$ 10,000 to \$ 24,999	870	843	1,756	2,682	1,001	13,067	27,828	13,760	880	3,377	2,162	5,998	14,373
25,000 " 49,999	515	1,493	3,174	4,786	1,138	15,483	33,729	17,109	479	2,220	3,013	9,187	17,696
50,000 " 99,999	275	1,843	4,052	6,089	1,185	16,083	35,574	18,310	160	899	3,358	11,250	19,146
100,000 " 199,999	129	1,745	3,867	6,032	1,085	15,237	33,504	17,174	45	339	3,005	10,865	17,555
200,000 " 499,999	90	2,348	5,236	8,514	1,732	24,795	52,976	26,452	3	16	4,257	16,843	28,193
500,000 " 999,999	41	2,239	4,970	8,622	1,469	25,965	55,525	28,074	-	-	4,047	17,455	29,842
1,000,000 " 4,999,999	40	5,868	12,561	24,278	3,338	73,763	157,650	80,691	-	-	10,207	47,211	84,418
5,000,000 and over	3	1,328	3,114	5,314	903	18,456	40,444	21,207	-	-	2,298	10,667	21,391
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	421	3,007	(94)
Totals	2,465	17,771	38,865	66,497	12,125	206,265	444,048	225,904	2,087	8,293	33,082	133,225	235,765

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	1,351	670	1,457	2,145	1,171	15,342	32,150	15,637	1,375	4,574	1,985	5,315	16,305
5- 14 employed	824	2,760	6,023	8,564	2,048	28,449	60,612	30,112	765	3,385	5,495	16,469	31,493
15- 49 "	262	3,798	8,433	12,755	2,479	36,332	76,349	37,602	91	568	6,634	23,433	39,418
50- 99 "	53	2,125	4,658	7,633	1,346	23,300	50,436	25,803	-	-	3,713	14,962	27,300
100-199 "	34	2,585	5,566	9,543	1,691	32,836	66,036	31,529	-	-	4,543	18,455	32,104
200-499 "	18	3,099	6,784	13,185	1,779	39,924	84,308	42,610	-	-	5,620	25,734	44,882
500 employed and over	6	2,349	5,277	8,576	1,296	27,483	57,773	29,038	-	-	3,911	16,559	29,292
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	366	2,567	(46)
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748
1965													
Under 5 employed	1,257	662	1,390	2,164	1,122	14,372	30,637	15,143	1,263	4,445	1,878	5,209	15,819
5- 14 employed	842	2,916	6,287	9,573	2,155	29,291	64,329	32,879	746	3,342	5,778	18,341	34,263
15- 49 "	246	3,458	7,697	12,156	2,249	31,736	69,784	35,802	78	506	6,120	22,804	37,568
50- 99 "	60	2,341	5,156	8,932	1,603	26,168	56,253	28,499	-	-	4,126	17,190	30,234
100-199 "	34	2,602	5,609	9,855	1,661	32,180	67,358	33,570	-	-	4,617	20,012	34,714
200-499 "	20	3,441	7,385	14,283	2,012	43,815	93,810	47,987	-	-	6,267	29,261	51,068
500 employed and over	6	2,351	5,340	9,535	1,323	28,702	61,875	32,025	-	-	3,875	17,401	32,221
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	421	3,007	(94)
Totals	2,465	17,771	38,865	66,497	12,125	206,265	444,048	225,904	2,087	8,293	33,082	133,225	235,765

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

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	
1964													
Individual ownerships	1,602	2,221	4,880	6,702	2,218	29,288	61,363	29,858	1,598	6,234	4,901	13,608	31,213
Partnerships	313	774	1,708	2,415	724	9,619	20,427	10,085	633	2,293	1,492	4,463	10,488
Incorporated companies	625	14,349	31,511	53,142	8,841	164,348	344,982	171,934	...	...	25,425	102,548	178,615
Co-operatives	8	42	99	143	27	411	892	455	...	...	83	308	477
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	366	2,567	(46)
Totals	2,548	17,386	38,198	62,402	11,810	203,666	427,664	212,331	2,231	8,527	32,267	123,494	220,748
1965													
Individual ownerships	1,492	2,104	4,531	6,597	2,084	27,077	58,288	29,120	1,483	5,993	4,545	13,112	30,350
Partnerships	298	739	1,609	2,464	707	9,527	20,349	10,118	604	2,300	1,441	4,536	10,416
Incorporated companies	667	14,890	32,641	57,320	9,314	169,330	364,667	186,274	...	...	26,599	112,295	194,668
Co-operatives	8	38	84	116	20	331	743	392	...	...	76	275	425
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	421	3,007	(94)
Totals	2,465	17,771	38,865	66,497	12,125	206,265	444,048	225,904	2,087	8,293	33,082	133,225	235,765

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						
Output						
1. Shipments and other revenue	427,664	444,048	41,247	48,242	468,911	492,290
Inventories— Goods of own manufacture:						
Add closing— Goods in process	84	78	...	...	84	78
Finished goods	1,063	1,302	...	...	1,063	1,302
Deduct opening— Goods in process	82	94	...	...	82	94
Finished goods	922	1,041	...	...	922	1,041
2. Net inventory change	143	245	...	...	143	245
3. Gross output (1 + 2)	427,807	444,293	41,247	48,242	469,054	492,535
Input						
4. Purchases of goods not of own manufacture .....	...	...	31,490	36,865	31,490	36,865
Inventories— Goods not of own manufacture:						
Add opening .....	...	...	364	333	364	333
Deduct closing .....	...	...	359	373	359	373
5. Cost of goods sold (not of own manufacture) .....	...	...	31,495	36,825	31,495	36,825
6. Materials, supplies, etc.	203,666	206,265	1,337	1,556	205,003	207,821
7. Fuel and electricity	11,810	12,125	...	...	11,810	12,125
8. Gross input (5 + 6 + 7)	215,476	218,390	32,832	38,381	248,308	256,771
Value added (3 - 8)	212,331	225,904	8,415	9,862	220,748	235,765

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Administrative and office		Sales and distribution		Total		Production and related workers		Administrative and office	Sales and distribution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1964															
Newfoundland	113	45	-	4	16	10	56	16	185	75	505	9	121	268	903
Prince Edward Island	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Nova Scotia	376	123	-	-	40	34	349	83	765	240	1,367	-	343	1,396	3,107
New Brunswick	413	142	-	-	53	41	292	66	758	249	1,377	-	431	1,230	3,037
Quebec	4,422	1,396	79	-	508	263	3,368	432	8,377	2,091	18,320	324	3,997	13,409	36,050
Ontario	5,326	1,498	3	7	715	445	3,382	1,231	9,426	3,181	25,512	35	6,738	18,598	50,883
Manitoba	586	202	-	-	65	63	406	194	1,057	459	3,329	-	622	2,435	6,387
Saskatchewan	355	128	-	3	52	38	235	155	642	324	1,933	6	414	1,482	3,835
Alberta	655	233	-	-	78	69	405	245	1,138	547	3,493	-	688	2,483	6,665
British Columbia	1,016	328	-	-	98	118	612	532	1,726	978	6,500	-	1,131	4,879	12,510
Yukon and Northwest Territories	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Totals	13,280	4,106	82	14	1,627	1,082	9,115	2,961	24,104	8,163	62,402	375	14,498	46,219	123,494
1965															
Newfoundland	138	70	-	3	21	14	51	10	210	97	614	9	181	242	1,046
Prince Edward Island	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Nova Scotia	420	130	1	-	49	40	283	86	753	256	1,607	1	410	1,325	3,344
New Brunswick	388	191	-	-	59	51	349	66	796	308	1,493	-	481	1,594	3,568
Quebec	4,541	1,590	102	-	574	294	3,318	468	8,535	2,352	19,730	469	4,800	14,121	39,119
Ontario	5,279	1,551	10	29	757	466	3,193	1,287	9,239	3,333	27,950	114	7,076	19,072	54,212
Manitoba	585	196	-	-	75	67	453	181	1,113	444	3,253	-	718	2,664	6,634
Saskatchewan	331	137	-	5	56	52	301	124	688	318	1,908	12	519	1,748	4,188
Alberta	623	227	-	-	104	76	465	252	1,192	555	3,419	-	874	2,911	7,204
British Columbia	987	345	-	-	171	139	658	531	1,816	1,015	6,438	-	1,780	5,540	13,758
Yukon and Northwest Territories	x	x	-	-	x	x	x	x	x	x	x	-	x	x	x
Totals	13,315	4,456	113	37	1,872	1,201	9,079	3,009	24,379	8,703	66,497	605	16,873	49,250	133,225

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

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	10,388	3,333	10,672	3,598
February	10,414	3,380	10,692	3,684
March	10,600	3,471	10,777	3,805
April	10,643	3,499	10,916	3,836
May	10,871	3,596	11,077	3,929
June	11,241	3,771	11,362	4,126
July	11,438	3,763	11,566	4,101
August	11,426	3,768	11,497	4,108
September	11,141	3,810	11,296	4,063
October	11,064	3,820	11,187	4,112
November	10,991	3,816	11,129	4,164
December	10,973	3,607	11,007	3,964
Averages	10,946	3,635	11,103	3,962
Establishments reporting annual averages (small establishments only)	2,334	471	2,212	494
Average for all establishments	13,280	4,106	13,315	4,456

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	251	2	8	260	2	262
Prince Edward Island	x	-	-	x	-	x
Nova Scotia	554	1	21	576	1	577
New Brunswick	493	--	32	526	31	557
Quebec	4,994	52	394	5,441	107	5,548
Ontario	4,659	36	547	5,242	162	5,404
Manitoba	585	-	2	586	5	592
Saskatchewan	371	--	3	374	2	377
Alberta	665	1	5	671	15	686
British Columbia	1,272	2	28	1,302	9	1,311
Yukon and Northwest Territories	x	-	-	x	-	x
Totals	13,868	94	1,041	15,003	333	15,336
Closing:						
Newfoundland	256	2	9	267	2	269
Prince Edward Island	x	-	-	x	-	x
Nova Scotia	582	--	15	597	1	599
New Brunswick	570	--	17	587	2	589
Quebec	5,470	45	576	6,092	129	6,221
Ontario	4,971	26	648	5,646	209	5,855
Manitoba	580	1	2	584	2	586
Saskatchewan	404	--	3	407	2	409
Alberta	781	1	4	787	11	799
British Columbia	1,249	2	28	1,279	14	1,292
Yukon and Northwest Territories	x	-	-	x	-	x
Totals	14,893	78	1,303	16,274	373	16,647

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	2,875	45	2,147	32
(b) Imported	"	808	12	358	6
Sub-bituminous coal (from Alberta mines only)	"	-	-	-	-
Anthracite coal	"	237	6	56	1
Lignite coal	"	-	-	-	-
Coke	"	278	7	133	4
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	12,378,360	4,324	13,064,151	4,655
Fuel oil including kerosene or coal oil	"	10,231,111	1,484	10,618,456	1,485
Wood	cord	367	5	478	5
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	197,231	52	199,599	53
(b) Other manufactured gas	M cu. ft.	17,826	9	-	-
(c) Natural gas	"	1,913,539	1,307	2,183,775	1,407
Other fuel .....	...	...	9	...	-
Electricity purchased	kwh.	115,666,263	1,668	135,082,567	1,773
Steam purchased .....	...	...	113	...	76
2. Small establishments not reporting commodity detail:					
Estimate for fuel and electricity .....	...	...	2,770	...	2,629
3. All establishments:					
Total fuel and electricity used .....	...	...	11,810	...	12,125

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Baking powder..... lb.	1,214,897	174	1,413,876	199
Butter..... "	1,669,565	917	2,013,814	1,172
Chocolate..... "	2,747,784	996	3,540,740	1,178
Cocoa..... "	1,442,108	360	1,632,481	398
Cocoonut, shredded..... "	1,902,965	481	2,090,841	545
Corn starch..... "	1,319,590	155	1,238,431	157
Cream..... gal.	105,508	308	131,855	406
Cream powder..... lb.	64,899	31	97,774	55
Cream of tartar and substitutes..... "	60,397	21	62,663	22
Eggs, in shell..... doz.	1,617,232	633	2,262,527	962
Eggs, frozen..... lb.	14,590,443	4,142	16,868,585	4,705
Eggs, liquid, not frozen..... "	1,168,923	314	708,418	202
Egg powder (dried yolk and albumen)..... "	104,449	131	112,902	111
Egg substitutes..... "	52,435	27	80,789	30
Extracts, essences, etc..... "	...	425	...	539
Flour:				
Hard wheat (bread flour)..... cwt.	10,821,703	56,239	10,775,005	54,936
Soft wheat (cake flour)..... "	683,719	3,701	766,837	4,249
Soya..... lb.	223,116	30	187,363	26
Cake mixtures, prepared..... "	4,374,302	765	6,459,272	950
Doughnut and pastry mixture..... "	34,177,416	4,915	36,201	5,195
Other flours, (rye, rolled oats, corn meal, whole wheat, etc.)..... "	52,297,010	3,179	66,252,717	3,739
Fruits:				
Raisins, currants and other dried fruits..... "	15,615,503	3,215	17,739,730	3,791
Fresh fruits, all kinds..... "	...	274	...	341
Jam, jellies and marmalades..... lb.	9,198,851	1,501	9,425,054	1,488
Preserved and canned, other..... "	10,425,352	1,391	7,114,895	1,465
Frozen fruits..... "	6,457,635	1,367	9,001,049	1,754
Filling for pies:				
Apple..... "	4,908,587	692	3,535,679	504
Other..... "	2,265,444	445	2,167,011	524
Gelatine..... "	75,736	43	97,525	59
Glucose..... "	7,638,355	661	4,238,909	356
Honey..... "	889,302	158	724,748	141
Lard..... "	28,414,400	4,195	28,864,763	4,997
Lecithin..... "	65,948	18	29,736	6
Malt flour..... "	1,432,650	210	1,030,418	141
Malt extracts and syrups..... "	1,389,228	224	1,515,354	235
Margarine..... "	1,318,103	293	1,097,116	246
Meat for pies..... "	1,398,860	568	1,364,875	577
Milk, condensed and evaporated..... "	1,023,773	135	1,017,718	141
Milk, fresh including skim..... gal.	253,953	150	318,867	211
Milk, powdered..... lb.	26,282,182	3,451	25,953,368	3,755
Molasses..... "	1,995,716	196	2,017,062	201
Monoglyceride emulsifier..... "	1,082,074	359	1,218,890	413
Nuts (walnuts, almonds, pecans, etc.)..... "	1,470,564	979	1,594,887	1,056
Peanuts..... "	139,074	41	135,836	43
Potatoes..... "	339,083	11	406,068	19
Potato starch and flour..... "	345,328	46	345,744	44
Oils:				
Corn..... "	438,129	93	394,384	91
Cottonseed..... "	668,425	145	596,732	139
Other cooking..... "	3,349,355	668	3,921,218	794
Peanut butter..... "	90,023	24	135,104	35
Salt..... "	25,973,176	400	26,656,898	393
Shortening..... "	36,703,712	7,562	41,425,976	8,888
Sodium bicarbonate (baking soda)..... "	973,806	109	836,967	103
Sugar:				
Cane and beet..... "	111,840,655	12,634	125,659,459	9,951
Corn and dextrose..... "	3,465,766	369	1,028,923	117
Spices..... "	343,045	230	447,513	320
Syrups:				
Corn..... "	754,017	87	991,866	119
Other..... "	823,542	220	1,236,467	251
Yeast..... "	24,686,333	4,414	25,032,414	4,373
Yeast powders and other bread improvers..... "	10,870,680	1,623	12,642,989	1,996
All other materials and components used ¹ "	...	42,109	...	39,836
2. Containers and other packaging materials and supplies used:				
Waxed paper wrappers..... "	...	6,170	...	5,928
Bread cartons and cake boxes..... "	...	9,598	...	10,458
Cellulose film and other containers..... "	...	12,568	...	14,448
3. Operating, maintenance and repair supplies used (excluding fuel).....				
.....	...	5,891	...	5,601
4. Amount paid out to others for work done on materials owned by establishments.....				
.....	...	185	...	142
Totals.....	...	203,666	...	206,265

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$37,523,011 in 1964 and \$34,977,870 in 1965.

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

Description	1964		1965	
	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000
1. Products:				
Bread	1,727,542,319	242,387	1,729,204,856	242,629
Plain rolls and buns .....	...	29,595	...	30,797
Fruit buns, yeast raised sweet goods, etc. ....	...	17,942	...	20,099
Pies, cakes, cookies, pastries, etc. ....	...	106,206	...	116,489
Doughnuts .....	...	17,756	...	18,480
Meat pies .....	...	2,992	...	3,064
Puddings, including canned	226,336	127	297,843	214
Catering .....	...	1,013	...	552
All other products .....	...	9,683	...	11,872
2. Amount received in payment for work done on materials and products owned by others .....	...	192	...	302
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(231)	...	(450)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
Total adjusted value of shipments and work done .....	...	427,664	...	444,048

TABLE 13 A. Shipments of Goods of Own Manufacture, Canada and the Provinces, 1965

Items of production	Canada		Newfoundland		Prince Edward Island and N.W.T.	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	1,729,204,856	242,629	18,660,673	2,994	2,481,092	367
Plain rolls and buns	30,797	...	231	...	47
Yeast-raised sweet goods	20,099	...	102	...	26
Pies, cakes, pastries	116,489	...	1,008	...	122
Doughnuts	18,480	...	81	...	28
All other products and services	16,004	...	161	...	7
Totals	444,498	...	4,578	...	597
	Nova Scotia		New Brunswick		Quebec	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	58,121,524	8,887	70,900,450	10,526	539,700,029	74,129
Plain rolls and buns	672	...	738	...	7,205
Yeast-raised sweet goods	268	...	131	...	5,033
Pies, cakes, pastries	2,129	...	2,632	...	49,555
Doughnuts	982	...	493	...	4,316
All other products and services	55	...	58	...	4,991
Totals	12,993	...	14,578	...	145,229
	Ontario		Manitoba		Saskatchewan	
	Quantity	Value	Quantity	Value	Quantity	Value
	lbs.	\$'000	lbs.	\$'000	lbs.	\$'000
Bread	671,996,985	87,972	75,807,960	12,022	57,069,418	8,699
Plain rolls and buns	15,616	...	1,503	...	914
Yeast-raised sweet goods	10,381	...	1,110	...	541
Pies, cakes, pastries	40,466	...	4,107	...	2,005
Doughnuts	8,626	...	549	...	534
All other products and services	9,311	...	164	...	125
Totals	172,373	...	19,454	...	12,818
	Alberta		British Columbia			
	Quantity	Value	Quantity	Value		
	lbs.	\$'000	lbs.	\$'000		
Bread	107,635,291	15,366	126,831,434	21,667		
Plain rolls and buns	1,655	...	2,215		
Yeast-raised sweet goods	967	...	1,539		
Pies, cakes, pastries	4,457	...	10,009		
Doughnuts	1,270	...	1,601		
All other products and services	264	...	867		
Totals	23,979	...	37,898		

TABLE 13 B. Selected Commodity Items Made in Bakeries, 1948 - 65

Year	Quantity of bread made	Value of bread made	Plain rolls and buns	Fruit buns, yeast-raised sweet goods	Pies, cakes and pastries	Doughnuts made
	pounds			\$'000		
1948	1,367,096,844	110,644	6,052	9,648	55,291	3,281
1949	1,345,183,504	121,188	6,128	10,612	57,627	4,678
1950	1,379,851,428	130,618	8,543	14,150	49,438	7,838
1951	1,416,961,847	149,311	10,805	12,115	80,663	8,112
1952	1,521,196,406	161,343	10,377	14,534	62,171	7,864
1953	1,554,460,785	171,547	11,063	15,953	67,754	7,019
1954	1,523,305,930	172,918	10,615	16,179	68,545	7,587
1955	1,527,510,983	174,855	13,429	14,164	73,877	8,729
1956	1,604,533,852	185,824	12,634	18,647	73,645	10,682
1957	1,650,588,224	198,244	15,572	17,985	83,998	10,976
1958	1,646,996,059	203,332	18,715	14,214	86,992	12,402
1959	1,650,040,811	206,216	19,609	17,187	88,447	12,688
1960	1,848,168,664	214,748	21,664	16,733	92,653	14,417
1961	1,660,399,451	219,091	22,329	17,516	88,598	14,834
1962	1,653,877,005	222,702	34,525	15,898	94,090	15,293
1963	1,647,504,073	227,613	27,451	16,513	93,891	17,151
1964	1,727,542,319	242,387	29,595	17,942	106,206	17,756
1965	1,729,204,856	242,629	30,797	20,099	116,489	18,480

TABLE 13 C. Distribution of Sales, 1965

Provinces	Estab-lish-ments reporting	Total sales ¹	Transferred or sold to other branches of own company	Wholesale including sale to restaurants, institutions, etc.	Retail	
					House to house	Through bakery-owned stores
	No.			\$'000		
Newfoundland	19	4,917	229	4,002	58	628
Prince Edward Island and Northwest Territories	9	604	-	475	-	129
Nova Scotia	72	13,996	-	11,913	176	1,908
New Brunswick	61	15,075	38	13,096	674	1,266
Quebec	755	157,137	17,849	82,731	41,814	14,744
Ontario	766	194,684	29,207	111,023	21,150	33,304
Manitoba	153	21,279	168	14,218	2,620	4,274
Saskatchewan	116	14,603	47	10,531	873	3,153
Alberta	192	26,501	35	17,237	2,938	8,291
British Columbia	322	43,025	711	28,406	3,361	10,546
Canada	2,465	491,822	48,285	293,631	73,662	76,244
				Percentage of sales		
Newfoundland		100.0	4.7	81.4	1.1	12.8
Prince Edward Island and Northwest Territories		100.0	-	78.6	-	21.4
Nova Scotia		100.0	-	85.1	1.3	13.6
New Brunswick		100.0	.2	86.9	4.5	8.4
Quebec		100.0	11.4	52.6	26.6	9.4
Ontario		100.0	15.0	57.0	10.9	17.1
Manitoba		100.0	.8	66.8	12.3	20.1
Saskatchewan		100.0	.3	72.1	6.0	21.6
Alberta		100.0	.1	65.0	11.1	23.8
British Columbia		100.0	1.7	66.0	7.8	24.5
Canada		100.0	9.8	59.7	15.0	15.3

¹ Adjusted for inter-company transfers and sales of items not manufactured by reporting establishments.

TABLE 14. Quantity and Value of Bread Shipped—All Industries and Per Capita Consumption in Pounds, 1929 - 65
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Year	Quantity of bread	Value of bread	Per capita consumption
	pounds	\$'000	pounds
1929	935,794,310	59,635	93.3
1933	877,973,648	39,125	82.2
1936	909,287,675	47,659	82.4
1937	963,273,659	55,253	86.6
1938	1,010,072,852	55,502	90.1
1939	999,457,133	51,666	88.3
1940	1,033,542,503	54,957	88.9
1941	1,068,450,351	58,321	93.6
1942	1,153,838,551	63,346	100.7
1943	1,244,207,552	68,899	105.5
1944	1,249,083,402	70,253	104.6
1945	1,291,903,364	73,769	107.0
1946	1,375,255,605	79,656	111.9
1947	1,385,307,970	92,140	110.4
1948	1,370,672,229	110,960	106.9
1949	1,346,427,395	121,395	100.6
1950	1,382,681,193	130,883	100.8
1951	1,419,249,722	149,482	101.3
1952	1,523,881,705	161,553	105.6
1953	1,557,542,322	171,795	105.4
1954	1,525,973,673	173,166	100.5
1955	1,530,048,677	175,097	98.1
1956	1,606,946,412	186,061	99.9
1957	1,653,176,579	198,515	99.7
1958	1,649,951,480	203,659	96.8
1959	1,653,476,305	206,588	94.8
1960	1,651,762,778	215,287	92.7
1961	1,664,928,511	219,749	92.5
1961 ¹	1,668,242,345	220,295	92.7
1962 ¹	1,668,044,592	225,124	89.8
1963 ¹	1,659,698,574	229,881	87.8
1964	1,740,880,055	244,982	90.5
1965	1,742,814,832	245,326	89.1

¹ Includes bread produced by merchandising establishments.

TABLE 15. Motor and Horse-drawn Delivery Vehicles, for Specific Years, 1961 - 65

	Motor delivery vehicles ¹					Horse-drawn delivery vehicles ¹				
	1961	1962	1963	1964	1965	1961	1962	1963	1964	1965
	number									
Normally in use	7,579	7,353	6,402	6,775	6,852	20	7	11	—	45
Normally idle	790	753	695	772	797	5	2	—	—	8

¹ Does not include small establishments.

The Weight of a Loaf of Bread

According to information collected by the Bureau of Statistics, the average weight of a loaf in the provinces may be stated as follows:

Province	Weight
Newfoundland	24 ounces
Prince Edward Island	20 ounces
Nova Scotia and New Brunswick	20 and 24 ounces, except in the case of "small bread".
Quebec	In certain municipalities at 1½ pounds or 24 ounces, while in the remaining parts of the province it is variously stated at 4, 5, and 6 pounds.
Ontario	16, 24 or 48 ounces
Manitoba	Generally at 16 and 20 ounces, except in outlying portions of the province where it is stated at 3 pounds.
Saskatchewan and Alberta	20 ounces
British Columbia	15 ounces for wrapped and 16 for unwrapped

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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