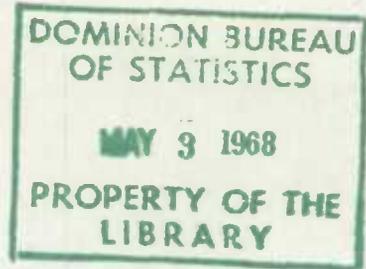


CATALOGUE No.

43-208

ANNUAL



BATTERY MANUFACTURERS

1966

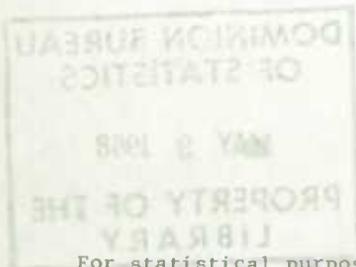
ANNUAL CENSUS
OF MANUFACTURES

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Manufacturing and Primary Industries Division

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BATTERY MANUFACTURERS

1966

For statistical purposes the industry titled Battery Manufacturers covers the operations of establishments primarily engaged in manufacturing storage batteries including wet and dry batteries for automobiles, trucks, tractors and buses as well as storage batteries for farm use, communications systems and railroad equipment.

An analysis of the principal statistics for this industry indicates that the value of shipments for 1966 was 10.6 per cent higher than for 1965. During the same period the value of production increased by 6 per cent. The ratio of cost of materials used to value of production was 54 per cent in 1965 and 50 per cent in 1966, the ratio of manufacturing wages to production was 12 per cent in 1965 and in 1966 and the ratio of total salaries and wages to total value added was 42 per cent in 1965 and 39 per cent in 1966.

During 1966 the total value of battery shipments represented 93 per cent of total value of products shipped. Other items shipped were carbon products, anti-freeze, flashlights and zinc sheet and strip.

NOTE

The detailed "Concepts and Definitions" notes, usually carried each year, have been omitted from this 1966 report for reasons of economy. Reference to these notes may be had by consulting any 1965 report in this series. Failing this, a copy may be obtained free of charge upon application to the Manufacturing and Primary Industries Division of the Bureau.

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.
- † revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. PRINCIPAL STATISTICS, 1961-66

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	\$'000		\$'000			
<u>1961</u>													
Totals	27	1,377	3,034	5,390	499	20,385	39,649	18,742	-	-	2,080	9,368	20,826
<u>1962</u>													
Totals	26	1,435	3,071	5,714	548	23,418	42,321	19,083	-	-	2,132	9,698	21,549
<u>1963</u>													
Totals	25	1,449	3,046	5,992	522	24,872	46,074	20,042	-	-	2,143	9,902	21,914
<u>1964</u>													
Totals	26	1,504	3,198	6,225	555	26,313	49,377	23,522	x	x	2,214	10,463	26,501
<u>1965</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	3	x	x	x	x	x	x	x	-	-	x	x	x
Ontario	10	1,008	2,175	4,662	370	19,769	35,172	16,090	-	-	1,581	8,059	17,885
Manitoba	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	2	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	5	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	23	1,566	3,292	6,748	614	30,511	54,129	24,728	-	-	2,362	11,259	26,730
<u>1966</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1	x	x	x	x	x	x	x	-	-	x	x	x
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	3	x	x	x	x	x	x	x	-	-	x	x	x
Ontario	12	1,159	2,415	5,402	410	19,872	39,843	20,115	-	-	1,731	9,300	21,738
Manitoba	2	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	2	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	4	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	24	1,304	3,170	7,430	638	30,549	60,583	29,530	-	-	2,498	12,378	31,487

TABLE 2. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON VALUE OF SHIPMENTS OF GOODS OF OWN MANUFACTURE, 1965 AND 1966

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- drawsals	Number	Salaries and wages		
	No.		'000			\$'000			\$'000		\$'000			
1965														
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-		
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-		
50,000 " 99,999	5	43	86	154	17	481	896	406	-	-	53	217	426	
100,000 " 199,999		91	177	320	27	1,681	2,441	849	-	-	113	459	846	
200,000 " 499,999		12	948	1,952	3,646	330	16,404	31,006	15,396	-	-	1,414	5,966	15,922
500,000 " 999,999		3	484	1,077	2,628	240	11,945	19,787	8,077	-	-	628	3,522	9,569
1,000,000 " 4,999,999		3	82	171	252	23	1,211	2,120	902	-	-	100	387	932
5,000,000 and over	13	1,066	2,243	4,186	340	17,392	35,500	17,457	-	-	1,521	6,807	18,338	
Head offices, sales offices and auxiliary units	3	497	1,045	2,780	240	11,374	21,859	10,562	-	-	648	3,757	11,636	
Totals	23	1,566	3,292	6,748	614	30,511	54,129	24,728	-	-	2,362	11,259	26,730	
1966														
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-		
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-		
50,000 " 99,999	5	59	112	212	36	571	1,104	607	-	-	77	328	618	
100,000 " 199,999		82	171	252	23	1,211	2,120	902	-	-	100	387	932	
200,000 " 499,999		3	1,066	2,243	4,186	340	17,392	35,500	17,457	-	-	1,521	6,807	18,338
500,000 " 999,999		3	497	1,045	2,780	240	11,374	21,859	10,562	-	-	648	3,757	11,636
1,000,000 " 4,999,999		3	82	171	252	23	1,211	2,120	902	-	-	100	387	932
5,000,000 and over	13	1,066	2,243	4,186	340	17,392	35,500	17,457	-	-	1,521	6,807	18,338	
Head offices, sales offices and auxiliary units	3	497	1,045	2,780	240	11,374	21,859	10,562	-	-	648	3,757	11,636	
Totals	24	1,704	3,570	7,430	638	30,548	60,583	29,529	-	-	2,498	12,528	31,482	

TABLE 3. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON MANUFACTURING VALUE ADDED, 1965 AND 1966

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- drawsals	Number	Salaries and wages		
	No.		'000			\$'000			\$'000		\$'000			
1965														
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-		
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-		
50,000 " 99,999	6	228	464	764	53	2,704	4,318	1,685	-	-	266	1,012	1,669	
100,000 " 199,999		128	272	521	77	3,914	5,364	1,817	-	-	182	817	1,832	
200,000 " 499,999		11	1,205	2,545	5,443	482	23,831	44,340	21,191	-	-	1,751	8,294	23,207
500,000 " 999,999		3	128	272	521	77	3,914	5,364	1,817	-	-	182	817	1,832
1,000,000 " 4,999,999		3	154	312	502	64	2,055	3,607	1,661	-	-	191	754	1,688
5,000,000 and over	4	223	471	884	104	4,760	7,661	2,432	-	-	284	1,237	2,445	
Head offices, sales offices and auxiliary units	11	1,307	2,737	5,953	460	23,238	48,601	25,225	-	-	1,838	9,132	27,169	
Totals	23	1,566	3,292	6,748	614	30,511	54,129	24,728	-	-	2,362	11,259	26,730	
1966														
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-		
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-		
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-		
50,000 " 99,999	4	25	50	91	10	495	712	211	-	-	33	155	222	
100,000 " 199,999		154	312	502	64	2,055	3,607	1,661	-	-	191	754	1,688	
200,000 " 499,999		4	223	471	884	104	4,760	7,661	2,432	-	-	284	1,237	2,445
500,000 " 999,999		11	1,307	2,737	5,953	460	23,238	48,601	25,225	-	-	1,838	9,132	27,169
1,000,000 " 4,999,999		3	154	312	502	64	2,055	3,607	1,661	-	-	191	754	1,688
5,000,000 and over	4	223	471	884	104	4,760	7,661	2,432	-	-	284	1,237	2,445	
Head offices, sales offices and auxiliary units	11	1,307	2,737	5,953	460	23,238	48,601	25,225	-	-	1,838	9,132	27,169	
Totals	24	1,704	3,570	7,430	638	30,548	60,583	29,529	-	-	2,498	12,528	31,482	

TABLE 2. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL VALUE ADDED, 1965 AND 1966

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 partner		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			'000			'000		'000			
1965													
Under \$10,000													
\$ 10,000 to \$ 24,999	3	5	10	20	3	62	107	35	-	-	9	42	55
25,000 "													
50,000 "													
100,000 "	6	228	464	764	53	2,704	4,318	1,685	-	-	266	1,012	1,669
200,000 "	4	174	371	744	112	5,610	8,051	2,821	-	-	238	1,092	2,829
500,000 "	10	1,159	2,447	5,220	446	22,135	41,653	20,187	-	-	1,695	8,019	22,209
1,000,000 "													
2,000,000 and over													
Head offices, sales offices and auxiliary units											154	1,094	(33)
Totals	23	1,566	3,292	6,748	614	30,511	54,129	24,728	-	-	2,362	11,259	26,730
1966													
Under \$10,000													
\$ 10,000 to \$ 24,999	4	25	50	91	10	495	712	211	-	-	33	155	222
25,000 "													
50,000 "													
100,000 "	5	154	312	502	64	2,055	3,607	1,661	-	-	191	754	1,688
200,000 "	4	223	471	884	104	4,760	7,661	2,432	-	-	284	1,237	2,445
500,000 "	11	1,302	2,737	5,953	460	23,238	48,603	25,225	-	-	1,838	9,132	27,169
1,000,000 and over													
Head offices, sales offices and auxiliary units											152	1,250	(42)
Totals	24	1,704	3,529	7,430	638	30,548	60,583	29,529	-	-	2,498	12,528	31,482

TABLE 3. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL EMPLOYED, 1965 AND 1966

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			
1965													
Under 5 employed	3	5	10	20	3	62	107	35	-	-	9	42	55
5-14 "													
15-49 "	6	156	329	578	78	3,862	5,878	2,175	-	-	200	833	2,192
50-99 "	5	251	515	1,174	126	6,121	10,655	5,050	-	-	359	1,772	5,108
100-199 "	5	419	860	1,671	190	9,091	15,342	6,531	-	-	624	2,758	6,699
200-499 "	4	735	1,577	3,304	218	11,374	22,147	10,937	-	-	1,016	4,760	12,710
500 employed and over													
Head offices, sales offices and auxiliary units											154	1,094	(33)
Totals	23	1,566	3,292	6,748	614	30,511	54,129	24,728	-	-	2,362	11,259	26,730
1966													
Under 5 employed	3	8	16	34	3	278	381	108	-	-	13	73	113
5-14 "													
15-49 "	7	206	420	734	99	3,492	5,876	2,366	-	-	260	1,102	2,397
50-99 "	4	183	384	824	120	5,503	9,779	4,002	-	-	273	1,337	4,073
100-199 "	6	568	1,190	2,356	203	10,382	20,462	9,601	-	-	797	3,694	10,163
200-499 "	4	739	1,560	3,482	214	10,894	24,084	13,452	-	-	1,003	5,073	14,778
500 employed and over													
Head offices, sales offices and auxiliary units											152	1,250	(42)
Totals	24	1,704	3,529	7,430	638	30,548	60,583	29,529	-	-	2,498	12,528	31,482

TABLE 6. PRINCIPAL STATISTICS CLASSIFIED BY TYPE OF ORGANIZATION, 1965 AND 1966

Type of organization	Estab-lish-ments	Manufacturing activity						Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000			\$'000		
<u>1965</u>													
Individual ownerships	-	-	-	-	-	-	-	-	-	-	-	-	
Partnerships	-	-	-	-	-	-	-	-	-	-	-	-	
Incorporated companies	23	1,566	3,292	6,748	614	30,511	54,129	24,728	...	...	2,208	10,165	26,763
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	154	1,094	(33)
Totals	23	1,566	3,292	6,748	614	30,511	54,129	24,728	-	-	2,362	11,259	26,730
<u>1966</u>													
Individual ownerships	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies	24	1,704	3,570	7,430	638	30,548	60,583	29,529	...	...	2,346	11,278	31,524
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	152	1,250	(42)
Totals	24	1,704	3,570	7,430	638	30,548	60,583	29,529	-	-	2,498	12,528	31,482

TABLE 7. CALCULATION OF OUTPUT, INPUT AND VALUE ADDED, 1965 AND 1966

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1965	1966	1965	1966	1965	1966
	\$'000					
<u>Output</u>						
1. Shipments and other revenue	54,129	60,583	9,031	7,459	63,160	68,042
Inventories-Goods of own manufacture:						
Add closing - Goods in process	3,335	3,739	...	...	3,335	3,739
Finished goods	5,219	4,965	...	...	5,219	4,965
Deduct opening - Goods in process	2,896	3,341	...	...	2,896	3,341
Finished goods	3,934	5,232	...	...	3,934	5,232
2. Net inventory change	1,724	131	...	...	1,724	131
3. Gross output (1 + 2)	55,853	60,714	9,031	7,459	64,884	68,173
<u>Input</u>						
4. Purchases of goods not of own manufacture .....	...	...	6,761	5,309	6,761	5,309
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	935	954	935	954
Deduct closing .....	...	...	942	1,061	942	1,061
5. Cost of goods sold (not of own manufacture) .....	...	...	6,754	5,202	6,754	5,202
6. Materials, supplies, etc.	30,511	30,548	275	304	30,786	30,852
7. Fuel and electricity	614	638	...	...	614	638
8. Gross input (5 + 6 + 7)	31,125	31,186	7,029	5,506	38,154	36,808
Value added (3 - 8)	24,728	29,529	2,002	1,953	26,730	31,482

TABLE 8. EMPLOYMENT AND PAYROLL, 1965 AND 1966

Year and Province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Adminis- trative and office	Sales and distri- bution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
	Male	Female	Male	Female											
	number										\$'000				
<u>1965</u>															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
Nova Scotia	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
New Brunswick	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
Quebec	689	319	-	7	251	128	158	29	1,098	483	4,662	31	2,224	1,142	
Ontario	x	x	-	-	x	x	x	-	x	x	x	-	x	x	
Manitoba	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
Saskatchewan	x	x	-	-	x	x	x	-	x	x	x	-	x	x	
Alberta	x	x	-	-	x	x	x	-	x	x	x	-	x	x	
British Columbia	x	x	-	-	x	x	x	-	x	x	x	-	x	x	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	1,087	479	-	7	372	186	202	29	1,661	701	6,748	31	3,077	1,404	
<u>1966</u>															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
Nova Scotia	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
New Brunswick	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
Quebec	759	400	-	7	256	120	163	26	1,178	553	5,402	34	2,513	1,351	
Ontario	x	x	-	-	x	x	x	-	x	x	x	-	x	x	
Manitoba	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
Saskatchewan	x	x	-	-	x	x	x	-	x	x	x	-	x	x	
Alberta	x	x	-	-	x	x	x	-	x	x	x	-	x	x	
British Columbia	x	x	-	-	x	x	x	-	x	x	x	-	x	x	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	1,170	534	-	7	382	177	202	26	1,754	744	7,430	34	3,404	1,660	

TABLE 9. PRODUCTION AND RELATED WORKERS - MANUFACTURING ACTIVITY, 1965 AND 1966

Month	1965		1966	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	1,076	409	1,119	543
February	1,067	438	1,096	554
March	1,071	474	1,092	542
April	1,039	513	1,101	532
May	1,028	503	1,149	555
June	1,074	493	1,203	574
July	1,051	459	1,145	495
August	1,126	447	1,248	517
September	1,119	488	1,219	530
October	1,151	504	1,246	513
November	1,139	504	1,239	514
December	1,116	506	1,219	512
Average	1,087	479	1,173	532
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
average for all establishments	1,087	479	1,173	532

TABLE 10. INVENTORIES, 1966

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						
<u>Opening</u>						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	-	x
New Brunswick	-	-	-	-	-	-
Quebec	x	x	x	x	x	x
Ontario	2,469	2,257	3,369	8,096	741	8,837
Manitoba	x	x	x	x	x	x
Saskatchewan	-	-	-	-	-	-
Alberta	x	x	x	x	x	x
British Columbia	x	x	x	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	4,087	3,341	5,232	12,660	954	13,614
<u>Closing</u>						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	x	x	x	x	-	x
New Brunswick	-	-	-	-	-	-
Quebec	x	x	x	x	x	x
Ontario	2,824	2,647	3,534	9,005	896	9,901
Manitoba	x	x	x	x	x	x
Saskatchewan	-	-	-	-	-	-
Alberta	x	x	x	x	x	x
British Columbia	x	x	x	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	4,516	3,739	4,965	13,320	1,098	14,318

TABLE 11. PURCHASED FUEL AND ELECTRICITY USED, 1965 AND 1966

Description	1965		1966	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
<u>1. Large establishments reporting commodity detail</u>				
Bituminous coal:				
(a) From Canadian mines	ton	-	-	-
(b) Imported	"	306	301	4
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	-	-
Lignite coal	"	480	375	2
Coke	"	-	-	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	12,182	12,108	5
Fuel oil including kerosene or coal oil	"	743,085	697,499	67
Wood	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	145,561	75,298	17
(b) Other manufactured gas	M cu. ft.	-	-	-
(c) Natural gas	"	137,342	163,750	120
Other fuel		-	-	-
Electricity purchased	kwh.	41,036,824	42,028,723	406
Steam purchased		-	-	-
<u>2. Small establishments not reporting commodity detail</u>				
Estimate for fuel and electricity		17		17
<u>3. All establishments</u>				
Total fuel and electricity used		614		438

TABLE 12. MATERIALS AND SUPPLIES - MANUFACTURING ACTIVITY, 1965 AND 1966

Description	1965		1966	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Ammonium chloride (sal ammoniac)	lb. 1,435,000	94	1,678,864	112
Battery boxes and containers .....	...	4,163	...	4,592
Carbon plates, blanks, etc. ....	...	382	...	383
Carbon electrodes .....	...	285	...	298
Graphite	lb. 359,832	18	272,211	22
Insulating waxes .....	...	11	...	12
Lead oxide:				
Litharge	lb. 10,692,754	1,664	7,869,343	1,220
Red lead	" 423,946	77	585,321	104
Manganese dioxide	" 4,372,588	466	5,144,308	622
Sulphuric acid, 100%	" 10,733,071	153	10,079,677	156
Battery separators:				
Paper/phenolic .....	...	...	...	348
Rubber .....	...	...	...	1,037
Other .....	...	1,730	...	382
Zinc chloride	lb. 1,086,692	75	1,119,803	79
Iron and steel:				
Stampings	ton 40	43	13	10
Other forms .....	...	150	...	211
Non-ferrous metals (all forms):				
Brass and bronze	lb. 16,855	15	35,438	29
Copper:				
Wire, bare	" 5,867	5	6,775	6
Wire, insulated .....	...	10	...	10
Other forms	lb. 69,400	32	87,400	53
Lead:				
Pig (pure)	" 28,598,833	4,417	28,918,380	4,331
Antimonial	" 35,232,569	5,761	33,900,055	5,563
Other forms	" 1,066,806	143	3,086,506	403
MERCURY	" 28,977	197	21,495	145
White (all forms) .....	...	970	...	1,152
Other non-ferrous metals .....	...	5	...	7
Asphalt and pitch .....	...	86	...	114
Paint, stains, lacquers, etc. ....	...	6	...	17
All other materials and components used(1) .....	...	7,442	...	6,878
2. Containers and other packaging materials and supplies used				
	...	844	...	1,429
3. Operating, maintenance and repair supplies used (excluding fuel)				
	...	824	...	783
4. Amount paid out to others for work done on materials owned by establishments				
	...	442	...	39
Totals .....	...	30,511	...	30,548

(1) No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. The estimated cost was \$481,079 in 1965 and \$537,562 in 1966.

TABLE 13. SHIPMENTS OF GOODS OF OWN MANUFACTURE, 1965 AND 1966

Description	Value	
	1965	1966
	\$'000	
1. All products shipped (see Table 14)	54,295	60,622
2. Amount received in payment for work done on materials and products owned by others	29	89
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above	(194)	(128)
Net adjustment for establishments receiving progress payments	-	-
Total adjusted value of shipments and work done	54,129	60,583

TABLE 14. SHIPMENTS OF SELECTED GROUPS OF BATTERY MANUFACTURE - ALL INDUSTRIES, 1965 AND 1966

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

Type	1965		1966		
	Quantity	Value	Quantity	Value	
		\$'000		\$'000	
A. Dry cell batteries					
6-inch batteries	No. of cells	1,459,234	1,008	1,429,173	883
Radio batteries for portable sets	"	64,663,900 ^F	5,356 ^F	69,600,728	6,569
Radio batteries for non-portable sets	"	7,805,941 ^F	647 ^F	6,254,722	568
Flashlight batteries	"	48,179,964	6,678	50,911,472	6,450
Hearing-aid batteries:					
"A" batteries					
"B" batteries .....		...	2,020	...	2,189
All other dry batteries					
Totals .....		...	14,345	...	16,659
B. Electric storage batteries					
Automotive type (all types primarily designed to fit passenger cars):					
For initial installation	batteries	834,899	8,240	823,675	9,292
For replacement purposes	"	2,304,440	21,906	2,265,744	22,849
Heavy-duty transport, motor coach and diesel starting batteries:					
For initial installation	"	81,266	1,153	121,740	1,896
For replacement purposes	"	124,134	2,317	134,843	2,456
Marine	"	5,459	272	4,843	274
For farm lighting		x	x	x	x
For railway service (excluding railroad signalling but including diesel starting, air conditioning, car lighting)	cell	20,125	850	25,669	1,030
For direct motive power (industrial truck, mine locomotive, etc.)	"	42,394	3,131	37,874	3,679
For all other purposes (aircraft, motorcycle, communication, etc.) .....		...	2,204	...	4,889
Totals .....		...	40,073	...	46,365

LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1966

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

Name	Location
Nova Scotia	
Surette Battery Co. Ltd.	Springhill
Quebec	
Cipef & Le Carbone Ltd.	Valleyfield
Electric Storage Battery Co. (Canada) Ltd., The	170 St. Georges St., St. Jean
Prest O Lite Co. Division, Eltra of Canada Ltd.	Drummondville
Ontario	
Burgess Battery Company Div. of Servel (Canada) Limited	415 Buttrey St., Niagara Falls
Ecp Electro Chemical Products Ltd.	2220 Midland Ave., Scarborough
Electric Storage Battery Co. (Canada) Ltd., The	633 Warden Avenue, Scarborough
Electric Storage Battery Co. (Canada) Ltd., The	2301 Dixie Rd., Toronto
Globelite Batteries Limited	1290 Bellamy Rd., Scarborough
Gould-National Batteries of Canada Ltd.	Fort Erie
Mallory Battery Company of Canada Limited	Sheridan Park
Prest O Lite Co. Div., Eltra of Canada Ltd.	8301 Keele St., Maple
Prest O Lite Co. Div., Eltra of Canada Ltd.	1352 Dufferin Street, Toronto 4
Silvercel of Canada Ltd.	10 Wickman Rd., Toronto 18
Union Carbide Canada Limited	805 Davenport Rd., Toronto 4
Union Carbide Canada Limited	Walkerton
Manitoba	
Globelite Batteries Ltd.	1717 Wellington Ave., Winnipeg 21
Ray-O-Vac (Canada) Limited	1800 Sargent Ave., St. James
Alberta	
Electric Storage Battery Co. (Canada) Ltd., The	104-58th Avenue S.E., Calgary
Prest O Lite Co. Div., Eltra of Canada Ltd.	58th Ave & 4th St. S.E., Calgary
British Columbia	
Dollina Enterprises Ltd. (Arrow Batteries Div.)	901 E. Hastings St., Vancouver 1
Francis Battery & Tires Ltd.	2150 Blanshard St., Victoria
Giant Battery Co. Ltd.	1290 Howe St., Vancouver 1
Globelite Batteries Ltd. (Pacific Division)	202 No. 6 Rd., Richmond
Major Batteries Ltd.	Duncan

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