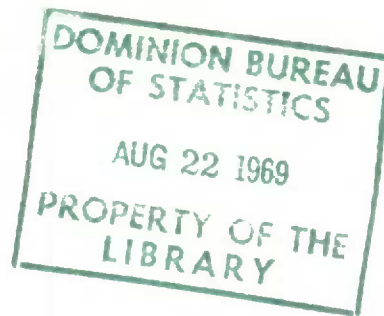


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S.I.C.
371



EXPLOSIVES AND AMMUNITION MANUFACTURERS

1967

ANNUAL CENSUS OF MANUFACTURES

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EXPLOSIVES AND AMMUNITION MANUFACTURERS
(S.I.C. 371)

1967

For statistical purposes the industry titled Explosives and Ammunition Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in the manufacture of explosives; ammunition, including mines, bombs and depth charges, safety and detonating fuses; fireworks of all kinds; flares and railroad fuses.

Value of shipments and other revenue of the Explosives and Ammunition Manufacturers industry totalled \$109.8 millions. This amount included shipments of manufactured products valued at \$97.4 millions and other revenue at \$12.4 millions.

This industry's shipments of explosives and ammunition accounted for the major portion of its manufacturing revenue. Secondary products shipped by this industry in 1967 included safety fuses, detonators, ammonium nitrate, nitric acid, sulphuric acid, etc.

Cost of materials and supplies, etc. used in the production of goods of own manufacture increased by \$2.2 millions. Cost of materials and supplies, etc. (inputs) in 1967 represented 41.2 per cent of the value of shipments of own manufacture (outputs) up slightly from the 40.6 per cent in 1966.

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.

NOTES TO USERS

See inside back cover

TABLE 1. PRINCIPAL STATISTICS, 1961-67

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	Men-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000							\$'000			\$'000	
<u>1961</u>													
Totals	14	2,923	6,168	11,828	1,722	25,586	63,353	31,864	-	-	4,259	19,428	32,503
<u>1962</u>													
Totals	15	2,622	5,570	11,243	1,601	25,419	61,337	32,763	-	-	3,836	18,485	33,601
<u>1963</u>													
Totals	16	2,443	5,194	10,716	1,674	22,525	56,912	32,204	-	-	3,596	17,993	33,356
<u>1964</u>													
Totals	16	2,715	5,809	12,358	1,823	26,784	66,993	39,649	-	-	3,778	19,187	41,799
<u>1965</u>													
Totals	15	3,120	6,338	13,942	1,777	28,696	74,027	45,247	-	-	4,140	20,529	47,476
<u>1966</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	8	x	x	x	x	x	x	x	-	-	x	x	x
Ontario	3	x	x	x	x	x	x	x	-	-	x	x	x
Manitoba	1	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	1	x	x	x	x	x	x	x	-	-	x	x	x
Alberta	1	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	1	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	15	3,402	6,960	16,080	2,187	35,592	90,777	55,215	-	-	4,495	23,550	57,428
<u>1967</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	9	x	x	x	x	x	x	x	-	-	x	x	x
Ontario	4	x	x	x	x	x	x	x	-	-	x	x	x
Manitoba	1	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	1	x	x	x	x	x	x	x	-	-	x	x	x
Alberta	1	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	1	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	17	3,577	7,002	17,701	2,236	37,669	97,455	56,944	-	-	4,644	25,402	59,344

TABLE 1. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON VALUE OF SHIPMENTS OF GOODS OF OWN MANUFACTURE, 1966 AND 1967

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		
1966													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-	
50,000 " 99,999	-	-	-	-	-	-	-	-	-	-	-	-	
100,000 " 199,999	-	-	-	-	-	-	-	-	-	-	-	-	
200,000 " 499,999	-	-	-	-	-	-	-	-	-	-	-	-	
500,000 " 999,999	-	-	-	-	-	-	-	-	-	-	-	-	
1,000,000 " 4,999,999	-	-	-	-	-	-	-	-	-	-	-	-	
5,000,000 and over	15	3,402	6,960	16,080	2,187	35,592	90,777	55,215	-	-	4,495	23,550	57,428
Head offices, sales offices and auxiliary units													
Totals	15	3,402	6,960	16,080	2,187	35,592	90,777	55,215	-	-	4,495	23,550	57,428
1967													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	
25,000 " 49,999	-	-	-	-	-	-	-	-	-	-	-	-	
50,000 " 99,999	-	-	-	-	-	-	-	-	-	-	-	-	
100,000 " 199,999	-	-	-	-	-	-	-	-	-	-	-	-	
200,000 " 499,999	-	-	-	-	-	-	-	-	-	-	-	-	
500,000 " 999,999	-	-	-	-	-	-	-	-	-	-	-	-	
1,000,000 " 4,999,999	-	-	-	-	-	-	-	-	-	-	-	-	
5,000,000 and over	17	3,577	7,002	17,701	2,236	37,669	97,455	56,944	-	-	4,644	25,402	59,344
Head offices, sales offices and auxiliary units													
Totals	17	3,577	7,002	17,701	2,236	37,669	97,455	56,944	-	-	4,644	25,402	59,344

TABLE 2. PRINCIPAL STATISTICS CLASSIFIED BY SIZE GROUP BASED ON TOTAL EMPLOYED, 1966 AND 1967

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		
1966													
Under 5 employed	-	-	-	-	-	-	-	-	-	-	-	-	
5- 14 "	-	-	-	-	-	-	-	-	-	-	-	-	
15- 49 "	-	-	-	-	-	-	-	-	-	-	-	-	
50- 99 "	-	-	-	-	-	-	-	-	-	-	-	-	
100-199 "	-	-	-	-	-	-	-	-	-	-	-	-	
200-499 "	-	-	-	-	-	-	-	-	-	-	-	-	
500 employed and over	15	3,402	6,960	16,080	2,187	35,592	90,777	55,215	-	-	4,495	23,550	57,428
Head offices, sales offices and auxiliary units													
Totals	15	3,402	6,960	16,080	2,187	35,592	90,777	55,215	-	-	4,495	23,550	57,428
1967													
Under 5 employed	-	-	-	-	-	-	-	-	-	-	-	-	
5- 14 "	-	-	-	-	-	-	-	-	-	-	-	-	
15- 49 "	-	-	-	-	-	-	-	-	-	-	-	-	
50- 99 "	-	-	-	-	-	-	-	-	-	-	-	-	
100-199 "	-	-	-	-	-	-	-	-	-	-	-	-	
200-499 "	-	-	-	-	-	-	-	-	-	-	-	-	
500 employed and over	17	3,577	7,002	17,701	2,236	37,669	97,455	56,944	-	-	4,644	25,402	59,344
Head offices, sales offices and auxiliary units													
Totals	17	3,577	7,002	17,701	2,236	37,669	97,455	56,944	-	-	4,644	25,402	59,344

TABLE 4. EMPLOYMENT AND PAYROLL, 1966 AND 1967

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admin- istrative 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>1966</u>															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Quebec	x	x	x	-	x	x	x	x	x	x	x	x	x	x	
Ontario	x	x	x	-	x	x	x	x	x	x	x	x	x	x	
Manitoba	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	
British Columbia	x	x	-	-	x	x	-	-	x	x	x	-	x	x	
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	2,770	632	32	-	834	174	50	3	3,686	809	16,080	173	6,899	23,550	
<u>1967</u>															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Quebec	x	x	x	-	x	x	x	x	x	x	x	x	x	x	
Ontario	x	x	-	-	x	x	x	x	x	x	x	-	x	x	
Manitoba	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	
British Columbia	x	-	-	-	x	x	-	-	x	x	x	-	x	x	
Yukon and Northwest Territories ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Totals	2,912	665	40	-	806	166	52	3	3,810	834	17,701	238	6,992	25,402	

TABLE 5. INVENTORIES, 1967

Province	Manufacturing				Non-manufacturing
	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	-	-	-	-	-
New Brunswick	-	-	-	-	-
Quebec	x	x	x	x	x
Ontario	x	x	x	x	x
Manitoba	x	x	x	x	x
Saskatchewan	x	x	x	x	x
Alberta	x	x	x	x	x
British Columbia	x	x	x	x	x
Yukon and Northwest Territories ...	-	-	-	-	-
Totals	8,277	4,018	8,035	20,331	1,220
<u>Closing</u>					
Newfoundland	-	-	-	-	-
Prince Edward Island	-	-	-	-	-
Nova Scotia	-	-	-	-	-
New Brunswick	-	-	-	-	-
Quebec	x	x	x	x	x
Ontario	x	x	x	x	x
Manitoba	x	x	x	x	x
Saskatchewan	x	x	x	x	x
Alberta	x	x	x	x	x
British Columbia	x	x	x	x	x
Yukon and Northwest Territories ...	-	-	-	-	-
Totals	7,721	5,110	6,338	19,169	1,115

TABLE 5. FUELS AND ELECTRICITY USED, 1966 AND 1967

Description	1966		1967	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail				
Bituminous coal:				
(a) From Canadian mines	ton	-	-	-
(b) Imported	"	11,361	10,293	114
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	-	-
Lignite coal	"	445	358	2
Coke	"	-	-	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	194,823	176,203	53
Fuel oil including kerosene or coal oil	"	13,341,844	13,849,213	1,037
Wood	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	37,921	77,934	17
(b) Other manufactured gas	M cu. ft.	-	-	-
(c) Natural gas	"	331,786	421,164	139
Other fuel		4	...	2
Electricity purchased	kwh.	112,123,395	110,083,750	847
Steam purchased		26	...	24
2. Small establishments not reporting commodity detail				
Estimate for fuel and electricity		-	-	-
3. All establishments				
Total fuel and electricity used		2,187	...	2,236

TABLE 7. MATERIALS AND SUPPLIES - MANUFACTURING ACTIVITY, 1966 AND 1967

Description	Cost	
	1966	1967
	\$'000	
1. All materials and components used	28,363	30,866
2. Containers and other packaging materials and supplies used:		
Corrugated boxes and cartons	1,462	1,549
Wooden boxes, crates, barrels, kegs	184	64
Paper bags, all kinds	534	532
Paper, all kinds	912	746
All other	1,177	1,032
3. Operating, maintenance and repair supplies used (excluding fuel)	2,862	3,819
4. Amount paid out to others for work done on materials owned by establishments	98	59
Totals	35,592	37,669

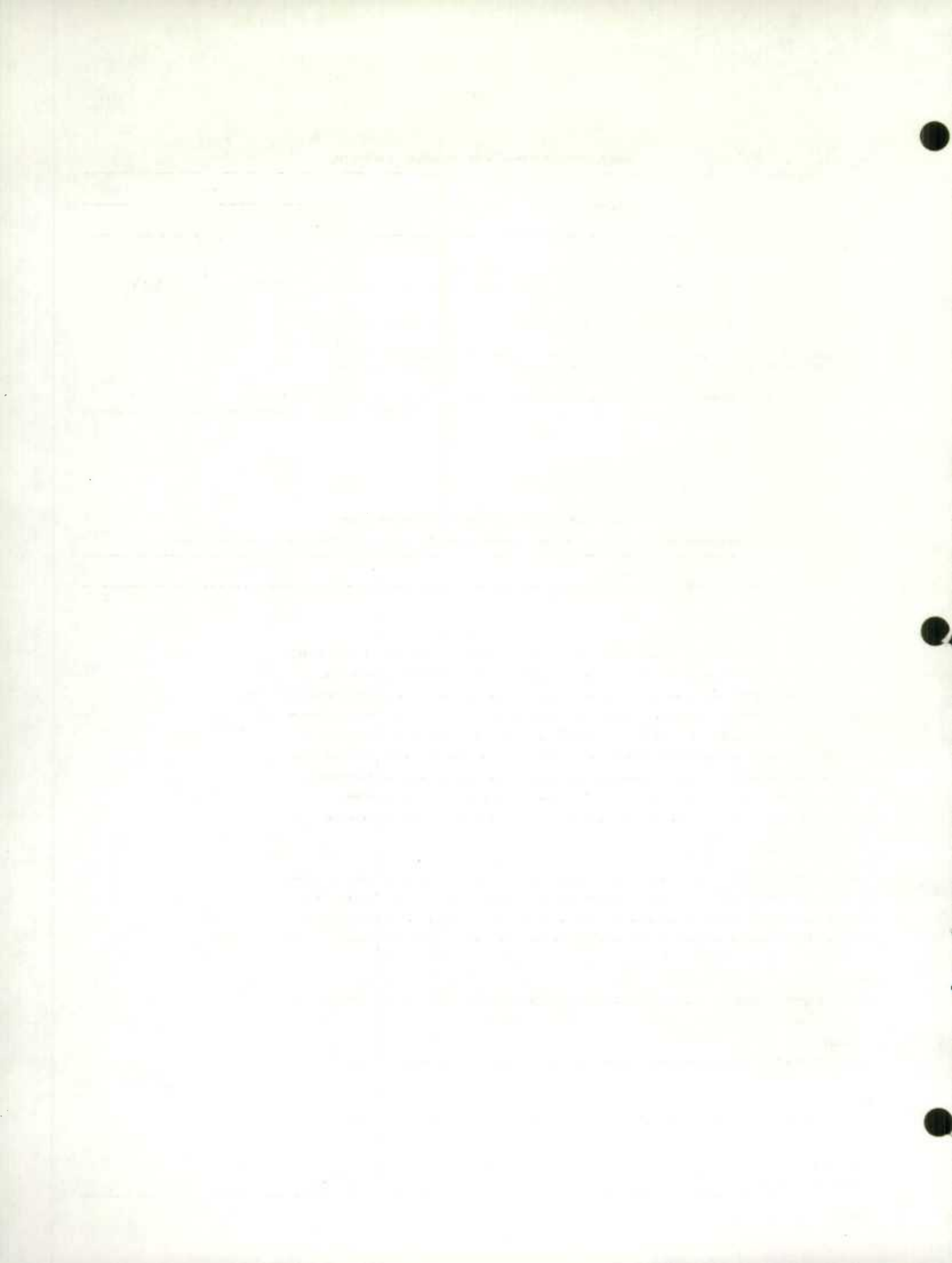
TABLE 8. SHIPMENTS OF GOODS BY OWN MANUFACTURERS, 1966 AND 1967

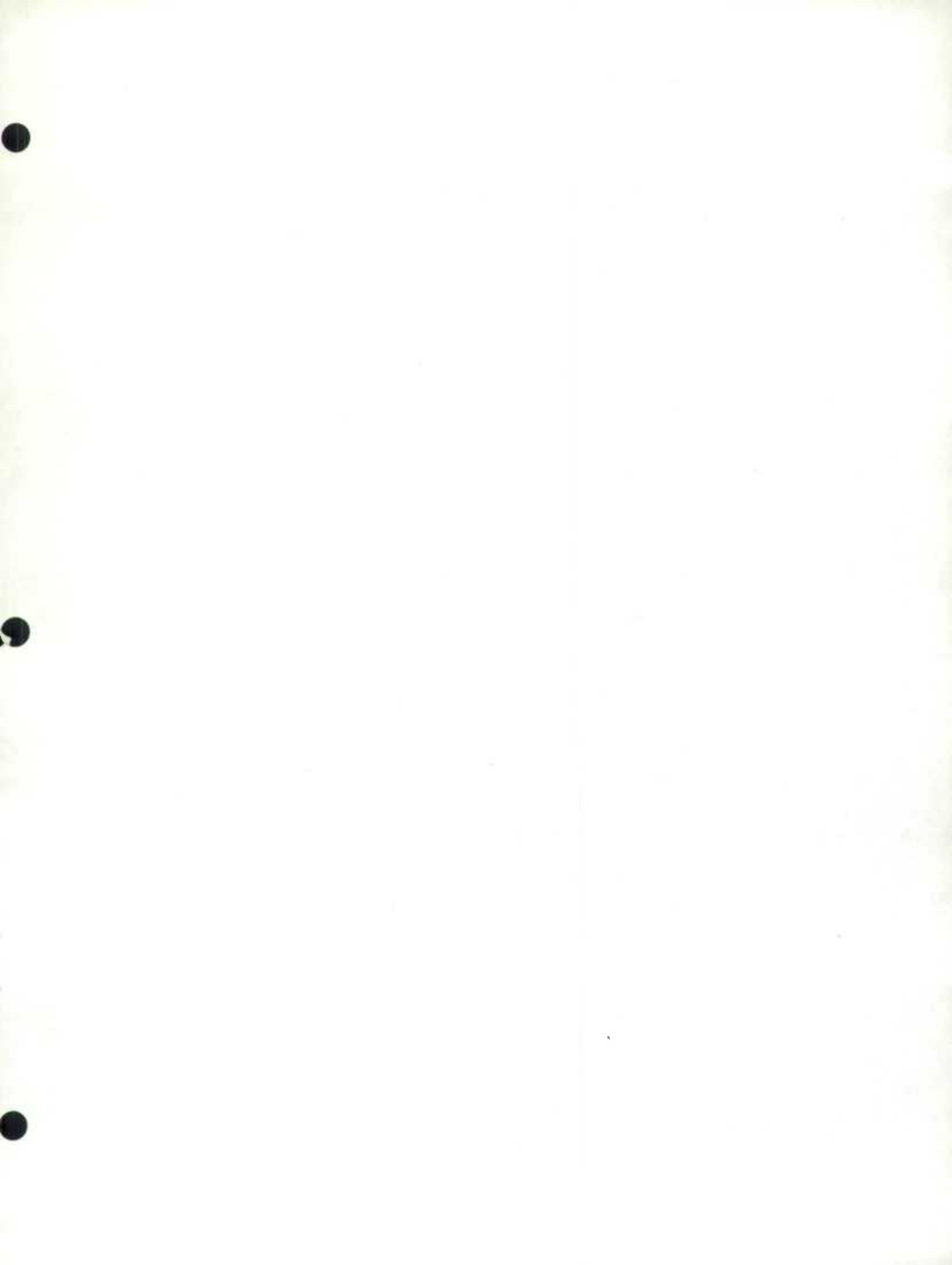
Description	Value	
	1966	1967
	\$'000	
1. All products	90,777	97,455
2. Amount received in payment for work done on materials and products owned by others	-	-
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above	-	-
Total adjusted value of shipments and work done	90,777	97,455

LIST OF ESTABLISHMENTS CLASSIFIED TO THIS INDUSTRY, 1967

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

Name	Location
<u>Quebec</u>	
Canadian Arsenals Limited	St-Paul L'Ermite
Canadian Industries Limited	Brownsburg
Canadian Industries Limited	McMasterville and Sept-Iles
Canadian Industries limited	Nitro-St-Timothee
Canadian Safety Fuse Company Limited	Brownsburg
Delta Explosives Ltd.	St. Joseph du Lac
Hand Chemical Industries Ltd.	Papineauville
Ireco of Canada Ltd.	Gagnon
Valcartier Industries inc.	Valcartier
<u>Ontario</u>	
Canadian Industries Limited	Nobel and Sudbury
Delta Explosives Ltd.	Kirkland Lake
Du Pont Canada Limited	West Ferris Twp.
Hand Chemical Industries Ltd.	Milton
<u>Manitoba</u>	
Canadian Industries Limited	Selkirk
<u>Saskatchewan</u>	
Gevelot of Canada Ltd.	Saskatoon
<u>Alberta</u>	
Canadian Industries Limited	Calgary
<u>British Columbia</u>	
Canadian Industries Limited	James Island





NOTES TO USERS

1. The detailed explanations of "Concepts and Definitions" omitted from this report may be consulted in any 1965 report in this series. If not available to the user, the relevant pages may be obtained free of charge from the Manufacturing and Primary Industries Division of the Bureau.
2. Tables on principal statistics classified by manufacturing value added, by total value added, and by type of organization, published in the 1966 report as Tables 3, 4 and 6, respectively, have been omitted from this report because of their limited interest. They are available, however, from the Manufacturing and Primary Industries Division. In the case of an extensive request involving a large number of industries, it may be necessary to levy a charge.
3. Users interested in obtaining the value of production (manufacturing activity) can do so by adding cost of materials and supplies used (manufacturing activity), cost of fuel and electricity, and value added (manufacturing activity). The resulting statistic is equivalent in concept to "gross output" shown in Table 7 of the 1966 report.

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