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THE COTTON AND JUTE BAG INDUSTRY

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada
 - Section B. Atlantic Provinces
 - Section C. Quebec
 - Section D. Ontario
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 - Section F. British Columbia
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- III — Foods and Beverages
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- X — Wood and Paper Products
- XI — Printing Trades
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- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part VII, Textile Mills. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review
- B — The Cotton Textile Industries
- C — The Wool Textile Industries
- D — The Synthetic Textiles and Silk Industry
- E — The Narrow Fabrics Industry
- F — The Dyeing and Finishing of Textile Goods Industry
- G — The Awning, Tent and Sail Industry
- H — The Cordage, Rope and Twine Industry
- I — The Cotton and Jute Bag Industry
- J — The Miscellaneous Textiles Industries

Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.

THE COTTON AND JUTE BAG INDUSTRY

1957

The level of operations in this industry declined quite sharply in 1957 from 1956 as indicated in the statistics of this report. In the year under review, a total of \$26,839,960 worth of goods was shipped from the factories of Canadian manufacturers of cotton and jute bags. This compares with \$29,108,048 in 1956 and represents a decrease of 7.8 per cent. The number of employees fell to 1,104 in 1957 from 1,162 in 1956, a decrease of 5.0 per cent; on the other hand, salary and wage payments rose by 4.2 per cent to \$3,009,234 from \$2,887,484. The cost of materials used in manufacture fell from \$23,705,742 in 1956 to \$21,416,328 in 1957, a drop of 9.7 per cent.

Shipments of jute bags at 7,004,550 dozen worth \$14,117,703 were greater in number but less in value when compared with the 6,815,991 dozen worth \$14,207,677 shipped in 1956. Cotton jute bag shipments decreased both in number and in value from 3,818,526 dozen worth \$10,050,568 in 1956 to 2,886,728 dozen worth \$7,430,364 in the current year. The value of bags repaired decreased from \$2,022,028 in 1956 to \$1,823,759 in 1957.

The consumption of jute fabric decreased slightly from 119,231,360 yards costing \$11,601,174 in 1956 to 110,327,171 yards costing \$11,165,428 in the year under review. The use of cotton fabric, amounting to 29,113,357 yards at a cost of \$6,314,608, decreased sharply from the 38,733,184 yards costing \$8,521,801 consumed in 1956.

Full details of products shipped and of materials consumed are to be found in Tables 3 and 4 of this report.

The cotton and jute bag industry in 1957 was comprised of 34 establishments, two less than a year earlier. Fourteen of these were to be found in Quebec, 11 in Ontario, 3 in Manitoba, 2 in Alberta, 2 in British Columbia, 1 in Prince Edward Island and 1 in Saskatchewan. Quebec and Ontario dominated the industry, accounting for well over 50 per cent of both employment and of factory shipments.

Eleven establishments, each having factory shipments with a value in excess of \$1,000,000, accounted for 54 per cent of the industry's employment and for 63 per cent of its shipments. Employment in the industry was steady throughout the year, ranging for production workers from a low of 836 in July to a high of 966 in January. Capital, repair and maintenance expenditures totalled \$284,000 in 1957, only slightly under the 1956 total but considerably below the average annual amounts expended between 1946 and 1955.

Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses has been collected as part of the annual Census of Industry. This data was formerly collected by a separate survey. The summarized results for the cotton and jute bag industry, for the year under review, will be found in Table 2.

Exports and imports of cotton and jute bags are small in relation to the total Canadian market for these commodities. For details of imports and exports, see Tables 6 and 7.

TABLE 1. Principal Statistics for Representative Years, 1922 to 1957

Year and province	Estab-lish-ments	Em-ployees	Salaries and wages	Cost at factory of fuel and electricity	Cost of materials used	Value added by manufacture	Gross value of production ¹
	number			dollars			
1922	14	918	863,439	27,298	8,701,562	2,251,364	10,970,224
1925	15	984	939,639	33,794	12,948,571	1,949,957	14,932,322
1927	17	1,037	952,080	35,790	10,906,830	1,990,159	12,932,779
1928	19	1,065	999,633	34,371	12,494,239	1,754,786	14,283,396
1930	23	965	975,688	38,112	7,587,868	2,253,482	9,879,462
1932	23	885	851,258	36,185	5,105,244	1,839,759	6,981,188
1934	24	922	879,098	40,411	6,643,990	1,938,243	8,622,644
1936	24	923	912,612	41,891	7,238,846	1,776,539	9,057,276
1937	29	944	905,927	37,814	7,554,563	1,612,090	9,204,467
1938	27	873	867,334	37,111	6,425,466	1,806,448	8,269,025
1939	27	976	1,013,334	42,399	8,057,837	2,220,478	10,320,714
1940	27	987	1,043,129	49,465	10,149,154	2,239,453	12,438,072
1941	26	1,089	1,190,635	57,933	14,142,983	3,628,885	17,829,801
1942	30	1,334	1,466,977	63,274	16,625,355	4,061,224	20,749,873
1943	30	1,418	1,672,252	67,882	19,822,334	4,195,192	24,085,408
1944	32	1,487	1,762,483	59,836	22,075,033	4,464,136	26,599,005
1945	32	1,486	1,854,707	67,515	22,279,949	4,767,112	27,114,576
1946	31	1,413	1,942,873	71,257	22,026,290	6,043,937	28,141,484
1947	32	1,571	2,282,256	74,502	32,389,892	6,672,546	39,136,940
1948	35	1,360	2,270,453	85,334	26,405,819	5,569,952	32,061,105
1949	34	1,262	2,210,994	82,693	23,274,040	4,397,869	27,754,602
1950	32	1,267	2,335,332	86,989	28,031,738	4,943,812	33,062,539
1951	33	1,312	2,483,760	99,230	33,916,959	4,713,005	38,729,194
1952	34	1,199	2,527,248	100,147	26,955,208	3,140,718 ²	30,196,073
1953	34	1,196	2,677,515	100,786	21,611,488	3,609,653 ²	25,321,927
1954	37	1,136	2,629,619	100,455	22,114,334	4,254,784	26,517,109
1955	36	1,114	2,593,532	109,864	21,624,421	4,097,704	25,912,629
1956							
Canada	36	1,162	2,887,484	124,482	23,705,742	5,343,749	29,108,048
Prince Edward Island and Quebec	17	522	1,225,765	57,193	9,614,899	2,243,256	11,915,836
Ontario	11	295	772,550	34,360	5,123,240	1,177,177	6,302,131
Manitoba	3	207	539,739	22,800	5,245,724	1,113,084	6,337,598
Saskatchewan, Alberta and British Columbia	5	138	349,430	10,129	3,721,879	810,232	4,552,483
1957							
Canada	34	1,104	3,009,234	121,090	21,416,328	5,398,881	26,839,960
Prince Edward Island and Quebec	15	474	1,250,952	52,617	8,943,576	2,265,478	11,211,663
Ontario	11	293	812,896	31,883	4,767,067	1,477,527	6,265,635
Manitoba	3	196	574,493	23,578	4,438,291	983,856	5,406,747
Saskatchewan, Alberta and British Columbia	5	141	370,893	13,012	3,267,394	672,020	3,955,915

¹ Beginning with 1952 the value of factory shipments has been collected instead of the gross value of production.

² Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "Value added".

Note: Profits or losses cannot be estimated from Census figures as no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Inventories,¹ 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening: ²				
Prince Edward Island and Quebec	1,950,498	9,772	165,349	2,125,619
Ontario	1,402,072	26,958	413,827	1,842,857
Manitoba	1,444,243	58,874	48,559	1,551,676
Saskatchewan, Alberta and British Columbia	784,201	34,501	7,019	825,721
Canada	5,581,014	130,105	634,754	6,345,873
Closing:				
Prince Edward Island and Quebec	2,183,918	12,767	212,362	2,409,047
Ontario	1,139,861	22,856	428,771	1,591,488
Manitoba	753,923	77,230	69,181	900,334
Saskatchewan, Alberta and British Columbia	649,615	34,031	4,000	687,646
Canada	4,727,317	146,884	714,314	5,588,515

¹ Book value of all manufacturing inventories held at plant or plant warehouses.

² The opening inventory for 1957 differs from the closing inventory published for 1956 because of the inclusion of new firms and the removal of figures for firms which did not operate during 1957.

TABLE 3. Factory Shipments, 1956 and 1957

Principal products	1956		1957	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	dozen	\$	dozen	\$
Manufactured bags:				
Jute	6,815,991	14,207,677	7,004,550	14,117,703
Cotton	3,818,526	10,050,568	2,886,728	7,430,364
Cotton mesh	142,157	183,581	137,591	174,801
Paper	1,455,208	953,025	876,894	577,424
All other	—	231,304	—	972,223
Bags, repaired	—	2,022,028	—	1,823,759
Paper liners for bags	—	136,877	—	71,391
All other products	—	1,237,094	—	1,554,128
Custom and contract work	—	85,894	—	118,167
Total factory shipments	—	29,108,048	—	26,839,960

Note: The above figures do not necessarily represent Canadian totals as bags of various kinds are also manufactured in other industries. For total figures for cotton and jute bags in all industries see Table 5.

TABLE 4. Materials Used, 1956 and 1957

Principal materials	1956		1957	
	Quantity	Cost value at factory	Quantity	Cost value at factory
		\$		\$
Fabric:				
Jute yard	119,231,360	11,601,174	110,327,171	11,185,428
Cotton "	38,733,184	8,521,801	29,113,357	6,314,608
Duck "	53,120	53,789	56,997	52,819
Burlap pound	356,527	23,086	88,174	3,384
Paper fabric "	4,897,360	507,166	3,448,053	369,896
All other —	—	7,575	—	82,399
Paper mesh —	—	125,546	—	56,104
Cotton mesh —	—	185,538	—	167,535
Second-hand bags —	—	1,256,996	—	1,325,418
Sewing twine pound	479,149	365,223	334,544	348,621
Thread "	115,117	86,060	55,696	41,430
Printing ink "	342,155	168,860	399,142	163,248
Rubber "	11,644	13,322	14,879	10,881
All other materials —	—	735,165 ¹	—	1,317,880 ¹
Packing and shipping materials —	—	76,441	—	16,677
Total cost of materials used —	—	23,705,742	—	21,416,328

¹ Includes Operating, maintenance and repair supplies.TABLE 5. Production¹ of Cotton and Jute Bags in All Industries, 1939-1956

Year	Cotton bags		Jute bags	
	Quantity	Value	Quantity	Value
	dozen	\$	dozen	\$
1939	4,407,503	4,243,836	5,998,887	5,601,703
1940	4,395,669	4,644,020	5,987,011	7,233,122
1941	5,210,216	7,227,997	5,772,834	9,401,021
1942	5,316,984	9,893,827	4,303,969	9,119,467
1943	6,022,553	11,640,429	4,640,556	10,376,845
1944	5,047,213	9,180,128	6,716,333	15,756,984
1945	4,450,741	8,055,597	7,377,251	16,966,145
1946	4,070,512	8,324,666	7,768,895	17,236,320
1947	4,001,883	11,046,376	8,421,512	22,716,224
1948	3,181,926	8,549,573	6,604,772	19,709,268
1949	3,629,704	9,732,206	5,286,189	15,278,710
1950	4,204,979	12,345,940	5,332,798	16,906,928
1951	4,305,183	15,072,061	4,228,753	18,255,880
1952	3,528,564	10,201,595	5,549,098	16,330,522
1953	3,856,881	10,689,304	5,658,622	12,317,543
1954	3,833,985	10,217,660	6,040,590	13,245,412
1955	3,780,446	9,420,547	6,086,171	13,044,915
1956	4,195,385	10,297,746	6,815,991	14,207,577

¹ Beginning with 1952 factory shipments were collected instead of production.

TABLE 6. Imports of Cotton and Jute Bags, 1956 and 1957

Articles imported	1956		1957	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
Bags, cotton	56,896	49,905	116,796	59,937
Bags or sacks of hemp, linen or jute	—	451,586	—	118,729
Bags used or second-hand made from fabrics composed wholly of vegetable fibres	—	77,706	—	36,834

TABLE 7. Exports of Cotton and Jute Bags, 1956 and 1957

Articles exported	1956	1957
	Value	Value
	dollars	
Bags of cotton, jute or similar material	155,051	57,644

TABLE 8. Employees and their Earnings, by Provinces, 1956 and 1957

	Average number					Earnings		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1956								
Prince Edward Island and Quebec	65	29	144	284	522	461,720	764,045	1,225,765
Ontario	32	17	79	167	295	219,356	553,194	772,550
Manitoba	28	11	63	105	207	138,280	401,459	539,739
Saskatchewan, Alberta and British Columbia	17	6	35	80	138	92,718	256,712	349,430
Canada	142	63	321	636	1,162	912,074	1,975,410	2,887,484
1957								
Prince Edward Island and Quebec	55	25	136	258	474	484,392	766,560	1,250,952
Ontario	35	19	67	172	293	260,005	552,891	812,896
Manitoba	28	12	59	97	196	187,717	386,776	574,493
Saskatchewan, Alberta and British Columbia	18	7	40	76	141	102,874	268,019	370,893
Canada	136	63	302	603	1,104	1,034,988	1,974,246	3,009,234

TABLE 9. Monthly Employment of Production Workers, 1955, 1956, 1957

	1955			1956			1957		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	number								
January	331	538	869	340	644	984	316	650	966
February	326	538	864	332	638	970	308	615	923
March	332	524	856	335	623	958	308	611	919
April	321	537	858	339	639	978	293	572	865
May	319	542	861	334	614	948	288	579	867
June	319	530	849	333	620	953	292	583	875
July	353	548	901	287	575	862	284	552	836
August	359	606	965	297	590	887	290	588	878
September	365	635	1,000	312	657	969	302	637	939
October	377	639	1,016	313	668	981	307	638	945
November	379	638	1,017	324	687	1,011	303	612	915
December	372	605	977	324	655	979	297	556	853
Monthly average	343	577	920	321	636	957	302	603	905

TABLE 10. Capital, Repair and Maintenance Expenditures, 1946 - 1957

	Capital expenditures			Repair and maintenance expenditures			Capital, repair and maintenance expenditures		
	Con- struction	Machinery and equipment	Sub- total	Con- struction	Machinery and equipment	Sub- total	Con- struction	Machinery and equipment	Total
	thousands of dollars								
1946	—	—	257	144	—	144	205	196	401
1947	293	418	711	104	108	212	397	526	923
1948	—	—	270	—	—	221	162	329	491
1949	112	251	363	—	—	220	185	398	583
1950	383	113	496	—	—	154	446	204	650
1951	130	148	278	—	—	132	168	242	410
1952	121	153	274	—	—	118	162	230	392
1953	104	296	400	—	—	131	147	384	531
1954	—	—	275	—	—	131	—	—	406
1955	—	—	508	—	—	139	128	519	647
1956	—	—	133	—	—	158	—	—	291
1957	—	—	142	—	—	142	—	—	284

TABLE 11. Principal Statistics of the Cotton and Jute Bag Industry, Grouped According to the Size of Establishments, 1957

Establishments with factory shipments of	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of materials used	Value of factory shipments
	number		dollars		
\$50,000 to \$99,999	2	91	191,815	606,001	870,374
\$100,000 to \$199,999	5				
\$200,000 to \$499,999	8	174	464,146	2,228,847	2,831,997
\$500,000 to \$999,999	8	241	616,499	4,990,658	6,276,606
\$1,000,000 to \$4,999,999	11	598	1,736,774	13,590,822	16,860,983
Total	34	1,104	3,009,234	21,416,328	26,839,960

TABLE 12. Consumption of Fuel and Electricity, 1956 and 1957

Kinds of fuel	1956		1957	
	Quantity	Cost value at factory	Quantity	Cost value at factory
		\$		\$
Bituminous coal ton	1,119	17,764	946	16,519
Sub-bituminous coal "	153	2,234	—	—
Gasoline (including gasoline used in cars and trucks) Imp. gal.	65,863	26,102	67,516	28,307
Kerosene or coal oil "	19,574	2,419	1,295	224
Fuel oil "	104,132	15,803	114,175	19,663
Other fuel —	—	16,480	—	12,558
Total cost of fuel —	—	80,802	—	77,271
Electricity purchased (including service charges) kwh.	1,877,728	43,680	2,099,649	43,819
Total cost of fuel and electricity —	—	124,482	—	121,090

List of Cotton and Jute Bag Manufacturers, 1957

Name	Address
Prince Edward Island:	
Prince Edward Island Bag Company, Limited	Summerside
Quebec:	
Atlas Bag & Bagging Company	37 Nazareth Street, Montreal
Beaudoin, Jos. T. Ltée	Thetford Mines
Canadian Bag Company Limited, The	604 DeCourcelles St., Montreal
City Bag Company, The	776 Chatham St., Montreal
Climan, Isaac & Son, Inc.	2390 St. Antoine St., Montreal
Commercial Bag Reg'd.	21 Montcalm St., Lévis
Economic Bag Company Limited	604 De Courcelles St., Montreal
Industrial Bags Limited	6945 Upper Lachine Rd., Montreal
Inter Provincial Co-operatives Ltd.	4394 St. Ambroise St., Montreal
National Bag Company	155 Van Horne Ave. W., Montreal
National Cottons Ltd.	736 Notre-Dame St. W., Montreal
Sendel & Sendel Limited	711 Common St., Montreal
Thomas Bonar & Co. (Canada), Limited	606 De Courcelles Street, Montreal
Workman Bag Company Ltd., The	1301 Montmorency Street, Montreal

List of Cotton and Jute Bag Manufacturers, 1957 - Concluded

Name	Address
Ontario:	
Burlap Bag Products Limited, The	251 College Street, Toronto
Canadian Bag Co. Ltd., The (H.O. 604 De Courcelle St., Montreal, P.Q.)	100 Paton Road, Toronto 9
Dominion Bag & Burlap Co. Ltd.	280 York Street, Hamilton
Lloyd Bag Company Limited	114 St. Clair Street, Chatham
London Bag Mfg. Co.	443 South St., London
Lowry Textile Co.	325 Devonshire Rd., Windsor
Ontario Bag Company	Port Colborne
Quaker Oats Company, The, of Canada Limited	34 Hunter Street, Peterborough
Western Bag & Burlap Co. Ltd.	87 Front St., E. Toronto
Woods Manufacturing Company Limited	401 Logan Avenue, Toronto 8
York Bag & Burlap Co. Ltd.	3581 Dundas St. W., Toronto
Manitoba:	
Bonar & Bemis Ltd.	311 Alexander Avenue, Winnipeg
Winnipeg Bag Co.	975 Main St., Winnipeg
Woods Bag & Canvas Co. Ltd.	P.O. Box 668, Winnipeg
Saskatchewan:	
Prairie Bag Company Limited	429 River Street West, Moose Jaw
Alberta:	
Bonar & Bemis Ltd.	2235 - 15th St. E., Calgary
Woods Bag & Canvas Co. Ltd.	East Calgary
British Columbia:	
Bonar & Bemis Ltd., (H.O. 311 Alexander Avenue, Winnipeg, Man.)	900 Parker Street, Vancouver
Industrial Bags Ltd. (H.O. 6945 Upper Lachine Road Montreal)	703 Terminal Ave., Vancouver

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