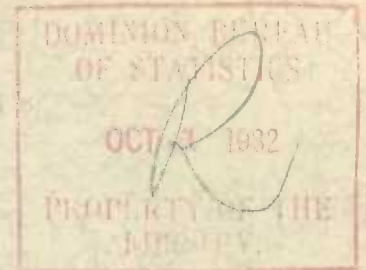


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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT
ON THE
COTTON & JUTE BAG INDUSTRY
IN
CANADA
1931

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1932

DEPARTMENT OF TRADE AND COMMERCE
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OTTAWA - CANADA

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THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

In 1931 there were twenty-five establishments in Canada whose chief products were cotton and jute bags. This was an increase of two in number over the preceding year, and five in number over the year 1929. Their total production amounted to \$8,108,310 in 1931, a decrease of \$1,771,152 or 18 per cent from 1930, this decrease being largely accounted for by the lower values generally prevailing. The manufacture of new bags accounts for practically the full production in this industry. In 1931, 120,088,175 bags of all kinds were manufactured valued at \$8,043,800 which was over 99 per cent of the total value of production. Similar figures for 1930 are 119,529,237 bags of all kinds valued at \$9,681,480, or 98 per cent of the total. It will be observed that while, compared with 1930, the value of bags manufactured showed a decided decrease, the number produced showed a small increase.

The capital investment amounting to \$5,491,207 in 1931 showed a decrease of \$140,569 or about 3 per cent in comparison with 1930. Fixed capital, comprising land, buildings, fixtures, machinery, tools, etc., accounted for \$2,687,204 or almost 49 per cent of the total. The working capital of \$2,804,003 consisted of raw materials on hand, stocks in process and finished products, fuel and all other miscellaneous supplies, cash, accounts and bills receivable, prepaid expenses, etc.

The cost of raw materials used in 1931 was \$5,931,672, a decrease of \$1,656,196 or nearly 22 per cent from the 1930 figures of \$7,587,868. The lower values of the two principal materials used, jute and cotton cloth, accounted for this decrease, and is explained fully in the explanatory note preceding table 5.

The number of employees of all classes and the amount of their remuneration both show small decreases in 1931 when compared with 1930. There were 934 employees in 1931, a decrease of 31, and the salary and wage account was \$908,387, a drop of \$67,301 from 1930.

The values of imports and exports for 1930 and 1931 are shown in tables 12 and 13. Imports had a value of \$212,453 in 1931 compared with \$339,370 in 1930. The exports of bags of all kinds were valued at \$100,810 in 1931 as against a value of \$60,645 in 1930.

The following tables in this report show fully the activities of the industry in 1931 and afford a comparison with the previous year.

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 1. - Principal Statistics of the Cotton and Jute Bag Industry, by Provinces,
1927 to 1931 inclusive.

Year and Province	Estab-lish-ments	Capital	Total Employ-ees	Total Salaries and Wages	Cost of Materials	Value of Products	Value added by Manufacture
	No.	\$	No.	\$	\$	\$	\$
<u>1927</u>							
Canada	17	6,746,733	1,037	952,080	10,906,830	12,932,779	2,025,949
Quebec	5	2,498,502	371	293,177	3,500,231	4,049,916	549,685
Ontario	7	1,690,066	341	296,233	2,987,782	3,527,719	539,937
Manitoba & Br. Columbia.	5	2,558,165	325	362,670	4,418,817	5,355,144	936,327
<u>1928</u>							
Canada	19	6,684,706	1,065	999,633	12,494,239	14,283,396	1,789,157
Quebec	5	2,424,053	362	306,050	3,888,162	4,378,247	490,085
Ontario	8	1,652,543	379	329,142	3,461,717	3,998,644	536,927
Manitoba & Br. Columbia.	6	2,608,110	324	364,441	5,144,360	5,906,505	762,145
<u>1929</u>							
Canada	20	6,638,759	1,057	1,020,965	10,416,580	12,613,905	2,197,325
Quebec	4	2,339,275	314	292,067	2,848,015	3,520,392	672,377
Ontario	9	1,682,276	410	340,571	3,012,709	3,665,838	653,129
Manitoba & Br. Columbia.	7	2,617,208	333	388,327	4,555,856	5,427,675	871,819
<u>1930</u>							
Canada	23	5,631,776	965	975,688	7,587,868	9,879,462	2,291,594
Quebec	6	2,107,546	323	309,575	2,423,322	3,168,416	740,094
Ontario	10	1,408,768	347	321,676	2,101,137	2,872,099	770,962
Manitoba & Br. Columbia.	7	2,115,462	295	344,437	3,058,409	3,838,947	780,538
<u>1931</u>							
Canada	25	5,491,207	934	908,387	5,931,672	8,108,310	2,176,638
Quebec	8	1,806,829	336	294,322	1,844,765	2,475,972	631,207
Ontario	10	1,242,873	316	280,091	1,567,662	2,296,156	728,494
Manitoba & Br. Columbia.	7	2,441,505	282	333,474	2,519,245	3,336,182	816,937

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 2. - Comparison of Principal Statistics, 1930 and 1931.

Items	1 9 3 0	1 9 3 1	↑ Increase - Decrease
Establishments reporting No.	23	25	↑ 2
Capital invested \$	5,631,776	5,491,207	- 140,569
Employees on salaries -			
Male No.	82	95	↑ 13
Female No.	33	31	- 2
Salaries \$	316,787	310,604	- 6,183
Employees on wages - (average)			
Male No.	290	293	↑ 3
Female No.	560	515	- 45
Total wages \$	658,901	597,783	- 61,118
Cost of fuel and electricity. \$	38,112	35,808	- 2,304
Power equipment -			
Units No.	226	234	↑ 8
H. P. Capacity H.P.	1,183	1,116	- 67
Cost of materials \$	7,587,868	5,931,672	- 1,656,196
Gross value of products \$	9,879,462	8,108,310	- 1,771,152
Value added by manufacture .. \$	2,291,594	2,176,638	- 114,956

Production.

Production in this industry is shown in table 3 by quantity and selling value at the factory for the years 1930 and 1931. The gross value in 1931 was \$8,108,310, a reduction of \$1,771,152 or 18 per cent from the 1930 figures of \$9,879,462. The volume, however, showed a small increase, there having been manufactured in 1931 120,088,175 new bags of all kinds as against 119,529,237 produced in 1930. In both years the manufacture of jute bags headed the list with 54,513,689 valued at \$5,895,298 in 1930 compared with 47,736,812 worth \$4,505,900 in 1931. Cotton bags followed with 47,996,309 worth \$3,715,102 in 1930 against 47,444,559 valued at \$3,454,223 in 1931. Bags of burlap, canvas, tea bags, etc., numbered 17,019,239 in 1930 and 24,906,804 in 1931 with a value of \$71,080 and \$83,677 respectively. This manufacture of new bags accounted for \$9,681,480 of the total production in 1930 and \$8,043,800 in 1931, the balance being taken up by the repairing of bags and custom work and the output of small quantities of polishing cloths, buckram, paddings, etc.

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 3. - Production 1930 and 1931.

Products	Unit of Measure	1 9 3 0		1 9 3 1	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
			\$		\$
Bags: -					
Burlap	Number	-	-	763,804	29,540
Jute	"	54,513,689	5,895,298	47,736,812	4,505,900
Cotton	"	47,996,309	3,715,102	47,444,559	3,454,223
All other	"	17,019,239	71,080	24,143,000	54,137
Bags repaired	"	1,499,795	185,156	668,027	54,780
All other products	-	-	12,826	-	9,730
T O T A L	-	-	9,879,462	-	8,108,310

Capital Investment.

Table 4 shows the amount of capital invested in this industry for the last five years. It is shown for the Dominion as a whole from 1927 to 1930 inclusive, with working capital sub-divided into two sections. For 1931 it is shown by provinces, working capital sub-divided into three sections. The total capital investment declined in 1931 by \$140,569 or almost 3 per cent, to a value of \$5,491,207. Of this amount fixed capital comprising land, buildings, fixtures, machinery, tools, etc., accounted for \$2,687,204 or almost 49 per cent of the total. Working capital, consisting of materials on hand, stocks in process, fuel, miscellaneous supplies, finished products, cash, bills and accounts receivable, prepaid expenses, etc., accounted for the balance of \$2,804,003. The distribution by provinces can be observed by referring to table 4.

Table 4. - Capital Invested, 1927-1931.

Year and Provinces	Fixed Capital	Working Capital		Total Capital
	Land, Buildings, Fixtures, Machinery and tools	Materials on Hand, Stocks in process, fuel and miscellaneous supplies, etc.	Inventory value of finished products	Cash, bills and accounts receivable, prepaid expenses, etc.
	\$	\$	\$	\$
1927	2,768,729	2,390,248		6,746,733
1928	2,803,694	2,256,509		6,684,706
1929	2,925,922	1,976,050		6,638,759
1930	2,918,915	1,435,591		5,631,776
1931	2,687,204	1,028,674	157,065	5,491,207

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 4. - Capital Invested, 1927-1931 - (Cont'd.)

Year and Provinces	Fixed Capital	Working Capital			
	Land, Buildings, Fixtures, Machinery and tools	Materials on Hand, Stocks in process, fuel and miscellaneous supplies, etc.	Inventory Value of Finished Products	Cash, bills and accounts receivable, prepaid expenses, etc.	Total Capital
	\$	\$	\$	\$	\$
<u>1931</u>					
Canada	2,687,204	1,028,674	157,065	1,618,264	5,491,207
Ontario	704,485	267,751	35,430	235,207	1,242,873
Quebec	954,326	293,604	40,044	518,855	1,806,829
Manitoba and Br. Columbia .	1,028,393	467,319	81,591	864,202	2,441,505

Materials Used.

The cost value of materials used by this industry declined from \$7,587,868 in 1930 to \$5,931,672 in 1931, a decrease of \$1,656,196 or nearly 22 per cent, and is largely accounted for by the lower price of jute and cotton cloth. By referring to table 5 it will be noted that the two principal materials used are jute and cotton cloth; of jute 69,434,859 yards cost \$4,293,336 in 1930 compared with a cost of \$3,089,913 for 63,657,176 yards in 1931. Similarly 33,274,852 yards of cotton cloth cost \$2,901,591 in 1930 while the cost of 30,012,673 yards in 1931 was \$2,365,463. These two items accounted for \$7,194,977 or 94.8 per cent of the total cost of materials in 1930 and \$5,455,376 or 91.9 per cent in 1931, the difference in the cost of these two items in 1931 is \$1,739,601, a larger amount than the total decline in the value of all raw materials in that year.

There was, however, purchased in 1931 canvas and burlap to the amount of 2,512,880 pounds valued at \$192,790, while in 1930 only 135,172 pounds valued at \$2,748 were purchased.

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 5. - Materials Used, Years 1930 and 1931.

Materials	Unit of Measure	1 9 3 0		1 9 3 1	
		Quantity	Cost Value at Factory	Quantity	Cost Value at Factory
			\$		\$
Jute cloth	Yards	69,434,859	4,293,386	63,657,176	3,089,913
Canvas or burlap	Lbs.	135,172	2,748	2,512,880	192,790
Cotton cloth	Yards	33,274,852	2,901,591	30,012,673	2,365,463
Second hand bags	No.	1,735,053	136,811	1,074,479	56,711
Sewing twine	Lbs.	430,455	147,903	402,144	106,238
Printing ink	"	274,178	88,491	256,284	79,775
Other materials	-	-	16,938	-	21,076
Packing and shipping materials	-	-	-	-	19,706
T O T A L	-	-	7,587,868	-	5,931,672

Size of Establishments.

In view of the tendency towards concentration in industrial enterprise, a series of three tables has been prepared presenting the size of establishments in the Cotton and Jute Bag Industry, measured by the gross value of production, the value of the capital investment and the number of persons employed, all within certain specified groupings, for the years 1930 and 1931. These tables also indicate the movement of production, capital and employment within the industry.

While in 1931 the number of establishments reporting increased by two, there was a decrease in the average value of each establishment's output of from \$429,972 in 1930 to \$324,332 in 1931, an average loss per establishment of \$105,640. In this year ten establishments produced merchandise valued at \$7,171,584, or over 88 per cent of the total output.

The average capital investment in 1931 was \$219,648, a decrease from the 1930 average \$244,860, of \$25,212. Here again a large part of the investment was centered in a small number of establishments, eleven of them supplying \$5,242,582 or over 95 per cent of the total capital investment.

The number of wage-earners decreased from 965 in 1930 to 934 in 1931, and the average number employed per establishment dropped from 42.0 to 37.3. Twelve of the establishments, almost half the number reporting, employed 849 persons, nearly 91 per cent of the total number employed.

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 6. - Size of Establishments, 1930 and 1931.

Establishments having a Production of	1 9 3 0			1 9 3 1		
	No. of Estab- lish- ments	Total Production	Average per Estab- lishment	No. of Estab- lish- ments	Total Production	Average per Estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$50,000	8	140,059	17,507	12	224,566	18,714
\$100,000 to under \$500,000	4	271,549	67,887	3	712,160	237,387
\$500,000 and over	11	9,467,854	860,714	10	7,171,584	717,158
Total and Average ...	23	9,879,462	429,972	25	8,108,310	324,332

Establishments having a Capital of	1 9 3 0			1 9 3 1		
	No. of Estab- lish- ments	Total Capital	Average Capital per Estab- lishment	No. of Estab- lish- ments	Total Capital	Average Capital per Estab- lishment
	No.	\$	\$	No.	\$	\$
Under \$50,000	12	234,183	19,515	14	248,625	17,759
\$200,000 to under \$500,000	7	2,777,676	396,811	7	2,709,421	387,060
\$500,000 and over	4	2,619,917	654,979	4	2,533,161	633,290
Total and Average ...	23	5,631,776	244,860	25	5,491,207	219,648

Establishments having an employment of	1 9 3 0			1 9 3 1		
	No. of Estab- lish- ment	Total Employees	Average per Estab- lishment	No. of Estab- lish- ment	Total Employees	Average per Estab- lishment
	No.	No.	No.	No.	No.	No.
Less than 20 persons ...	11	72	6.6	13	85	6.5
20 and over	12	893	74.4	12	849	70.7
Total and Average	23	965	42.0	25	934	37.3

Employees, Salaries and Wages.

The number of persons employed in this industry is shown in table 7 by classes, sex and the amount of salaries and wages paid in 1930 and 1931. The total of all persons employed dropped from 965 in 1930 to 934 in 1931, and the salary and wage bill from \$975,688 in 1930 to \$908,387 in 1931. By referring to table 8 it will be noted that employment in this industry is fairly steady, there being a slight downward trend during the spring and early summer months.

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 7. - Employees, Salaries and Wages, 1930-1931.

			1 9 3 0	1 9 3 1
Salaried employees	-	Total	No. 115	126
		Male	" 82	95
		Female	" 33	31
		Total salaries	\$ 316,787	310,604
Wage-earners (Average number)	-	Total	No. 850	808
		Male	" 290	293
		Female	" 560	515
		Total wages	\$ 658,901	597,783
Total employees	-	Total	No. 965	934
		Male	" 372	388
		Female	" 593	546
		Salaries and wages ...	\$ 975,688	908,387

Table 8. - Monthly Employment of Wage-earners, 1930 and 1931.

	1 9 3 0			1 9 3 1		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January	290	564	854	290	533	823
February	292	546	838	301	512	813
March	288	536	824	296	496	792
April	276	518	794	291	499	790
May	281	533	814	286	510	796
June	276	533	809	283	497	780
July	279	547	826	285	502	787
August	294	573	867	301	524	825
September	299	605	904	294	523	817
October	299	604	903	305	511	816
November	302	592	894	302	540	842
December	292	561	853	289	519	808
T O T A L	3,468	6,712	10,180	3,523	6,166	9,689
Average number employed during the year	290	560	850	293	515	808

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 9. - Number of Wage-earners in Month of Highest Employment whose Regular Hours of Work in 1931 were: -

No. of Hours	No. of Employees	No. of Hours	No. of Employees
40 hours or less	96	51-53 hours	60
41-43 hours	11	54 hours	16
44 hours	71	55 hours	1
45-47 hours	383	56-59 hours	-
48 hours	165	60 hours	43
49-50 hours	81	Over 60 hours	2

The above does not include overtime.

Table 10. - Power Equipment, 1930 and 1931.

Description	1930		1931	
	Number of Units	Total H. P. according to Manufacturers' Rating	Number of Units	Total H. P. according to Manufacturers' Rating
Primary Power:-				
Steam engines and steam turbines ..	1	40	1	40
Electric motors operated by purchased power..	225	1,143	233	1,076
Total Primary Power ..	226	1,183	234	1,116
Electric motors operated by power generated in the establishment ..	56	139	56	138
Total Electric Motors..	281	1,282	289	1,214
Boilers	11	644	11	644

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 11. - Consumption of Fuel and Electricity, 1930 and 1931.

Kinds of Fuel	Unit of Measure	1 9 3 0		1 9 3 1	
		Quantity	Cost Value	Quantity	Cost Value
			\$		\$
Coal:	Ton				
Bituminous	(2000 Lbs.)	2,635	18,846	2,509	17,092
Anthracite	"	175	1,809	25	406
Lignite	"	-	-	5	80
Coke (for fuel only)	"	34	385	28	284
Kerosene or coal oil	Gal. (Imp.)	-	-	5	3
Fuel or diesel oil	"	15,045	663	17,310	858
Wood	Cord	-	-	1	8
Other fuel	-	-	1,217	-	3,953
<hr/>					
Total Cost of Fuel	-	-	22,920	-	22,684
Electricity purchased (including service charges) .	K.W.H.	-	15,192	683,016	13,124
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Total Cost of Fuel and electricity	-	-	38,112	-	35,808

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

Table 12. - Imports of Cotton and Jute Bags, 1930 and 1931, by Principal Countries.

Articles Imported	1 9 3 0 Value	1 9 3 1 Value
	\$	\$
Bags, seamless, cotton: -		
United Kingdom	431	373
United States	12,279	4,369
Other Countries	1,761	418
Total	14,471	5,160
Bags, made by the use of the needle, n.o.p. -		
United Kingdom	165	669
United States	56,881	18,996
Other Countries	17,783	10,049
Total	74,829	29,714
Bags or sacks of hemp, linen: -		
United Kingdom	6,893	12,639
United States	181,710	141,914
British India	60,403	22,523
Other Countries	1,064	503
Total	250,070	177,579

Table 13. - Exports of Cotton and Jute Bags, 1930 and 1931, by Principal Countries.

Articles Exported	1 9 3 0 Value	1 9 3 1 Value
	\$	\$
Bags, cotton, jute, etc. -		
United Kingdom	21,019	35,103
United States	2,438	98
Italy	5,372	4,126
St. Pierre and Miquelon	10,068	12,326
Other Countries	21,748	49,157
Total	60,645	100,810

THE COTTON AND JUTE BAG INDUSTRY IN CANADA, 1931.

APPENDIX

Cotton and Jute Bag Manufacturers, 1931.

<u>Name</u>	<u>Address</u>	
<u>QUEBEC</u>		
Apex Bag & Bagging Co. Ltd.	2440 Mullins Street,	Montreal.
James Brodie	231 Young Street,	Montreal.
The Canadian Bag Co. Ltd.,	2485 St. Patrick Street,	Montreal.
N. Fraid	2814 St. Patrick Street,	Montreal.
Woods Manufacturing Co. Ltd.,	2660 Mullins Street,	Montreal.
Thomas Bonar & Co. (Canada) Ltd.,	606 De Courcelles Street,	Montreal.
Jos. T. Beaudoin		Thetford Mines.
The Workman Bag Co.	52 Nazareth Street,	Montreal.
<u>ONTARIO</u>		
The Canadian Bag Co. Ltd.,	100 Paton Road,	Toronto 9.
Dominion Bag Company,	80 Murray Street West,	Hamilton.
Jacob Krasnow	145 Elizabeth Street,	Toronto 2.
Nock Bros. and Ayre Co.,	4 Berti Street,	Toronto 2.
Woods Manufacturing Co. Ltd.,	401 Logan Avenue,	Toronto 8.
Ontario Bag Co.		Pt. Colborne.
Walkerville Bag Mfg. Co. Ltd.		Walkerville.
Individual Tea Bag Co. Ltd.	115 George Street,	Toronto.
Standard Bag and Burlap Co.,	183 Catherine Street North,	Hamilton.
London Bag Mfg. Co.,	88 Maitland Street,	London.
<u>MANITOBA</u>		
Bemis Bros. Bag Co.,	311 Alexander Avenue,	Winnipeg.
The Canadian Bag Co. Ltd.	831 Henry Avenue,	Winnipeg.
Sunset Mfg. Co. Ltd.,	655 Logan Avenue,	Winnipeg.
Woods Manufacturing Co. Ltd.,	146 Alexander Avenue,	Winnipeg.
Joseph Litman,	465 Dufferin Avenue,	Winnipeg.
Manitoba Bag and Burlap Co.,	391 Stella Avenue,	Winnipeg.
<u>BRITISH COLUMBIA</u>		
Canadian Bag Co. Ltd.,	900 Parker Street,	Vancouver.

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