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DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

PRELIMINARY REPORT
THE MUSICAL INSTRUMENT INDUSTRY IN CANADA
FOR
1919

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OTTAWA

1921

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THE MUSICAL INSTRUMENT INDUSTRY, 1919/

CAPITAL INVESTED.

The amount of capital invested in the industry in the Dominion was \$15,136,075, of which the province of Ontario contributed \$11,650,928, or approximately 77 per cent/ The items comprising capital investment are shown by provinces under each head in the following table:-

Provinces	Lands, build- ings and fixtures	Machinery and tools	Materials on hand stocks in process, etc/	Cash, trad- ing and operating accts, etc	Total
	\$	\$	\$	\$	\$
Musical Instruments -					
Ontario	1,763,622	654,875	2,689,370	1,727,268	6,835,135
Quebec and)					
Nova Scotia)	332,522	193,824	703,986	622,065	1,852,397
Musical Instrument Materials -					
Ontario	313,567	288,156	755,832	499,800	1,857,355
Phonographs, Cabinets and Records -					
Ontario and)					
Manitoba)	849,627	216,567	1,120,516	824,991	3,011,701
Quebec	118,374	123,172	576,032	761,909	1,579,487
TOTALS	3,377,712	1,476,594	5,845,736	4,436,033	15,136,075

EMPLOYEES, SALARIES AND WAGES.

The number of persons employed and the amounts paid in salaries and wages are shown by classes of employment and by sex for each section of the industry in the subjoined table:-

	Number of Employees		Salaries and
	Male	Female	Wages
Musical Instruments -			\$
Officers, superintendents, managers	75	-	214,449
Clerks, stenographers, etc.	77	45	115,161
Wage earners, average number /./..	2,395	32	2,121,873
Outside piece-workers /././././..	45	-	51,726
TOTALS	2,592	77	2,503,209
Musical Instrument Materials -			
Officers, superintendents, managers	20	-	80,746
Clerks, stenographers, etc.	9	11	28,609
Wage earners, average number	605	114	568,156
Outside piece-workers	-	3	215
TOTALS	634	128	677,726
Phonographs, Cabinets and Records -			
Officers, superintendents, managers	45	-	98,507
Clerks, stenographers, etc.	99	98	178,570
Wage earners, average number	1,040	144	917,207
Outside piece-workers /././././..	3	-	2,484
TOTALS	1,187	242	1,196,768

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

Ottawa, Canada.

Dominion Statistician: R. H. Coats, B.A., F.S.S.
Chief, Census of Industry Division: J. C. Macpherson.

THE MUSICAL INSTRUMENT INDUSTRY

IN CANADA, 1919.

Ottawa, September, 1921. A report on the Musical Instrument Industry in Canada for the calendar year 1919 has been prepared by the Dominion Bureau of Statistics embracing the statistics under three heads, as follows: (1) Musical instruments, including pianos, organs etc., (2) Musical instrument materials and (3) Phonographs, cabinets and records. The distribution of the plants by provinces under each head is summarized below:-

Industry	Ontario	Quebec	Nova Scotia	Manitoba	CANADA
	No.	No.	No.	No.	No.
Musical Instruments	29	11	1	-	41
Musical instrument materials	11	-	-	-	11
Phonographs, cabinets and records	13	6	-	1	20
TOTALS	53	17	1	1	72

PRODUCTION.

The statistics of production are shown by quantity and selling value at the factory or works for each of the above named sections of the industry in the subjoined table:-

Classes of Products	Quantity No.	Value \$
1. Musical Instruments -		
Pianos -		
Upright without player attachment	24,210	5,448,717
" with " "	3,390	1,314,729
Grand without " "	143	69,394
" with " "	2	1,687
Player attachments, separate	63	9,450
Organs -		
Pipe	48	272,622
Reed	2,143	186,534
Other instruments (band & string) .	-	11,628
All other products	-	1,163,105
TOTAL		8,477,866
2. Musical Instrument Materials -		
Piano actions	26,862	677,544
" backs	1,267	60,211
" cases	1,500	73,656
" hammers	26,659	127,581
" keys	22,879	599,447
" plates	5,000	65,000
" strings	22,375	86,494
" cabinets	2,325	115,295
All other products	-	499,349
TOTAL		2,294,577
3. Phonographs, Cabinets and Records -		
Phonographs	38,598	1,717,446
Phonographs and records	-	1,977,385
Records	2,201,343	1,309,804
Cabinets	-	641,233
Billiard tables	1,076	427,467
All other products	-	463,500
TOTAL		6,536,835

THE MUSICAL INSTRUMENT INDUSTRY, 1919.

MATERIALS USED.

The following table presents a summary of the principal materials used under each head by quantity and cost value delivered at the factory, where available, while the remaining materials are lumped together under the head of "All other miscellaneous materials"

Classes of Materials	Musical Inst.		Musical Inst. Materials		Phonographs etc.	
	Quan.	Value	Quan.	Value	Quan.	Value
		\$		\$		\$
Lumber m. ft.	10,289	531,660	16,925	149,926	3,945	144,072
Veneer m. ft.	7,455	236,740	636	14,153	1,753	49,281
Ivory lb.	-	-	14,711	227,289	-	-
Wire, copper, steel, etc. lb.	-	50,677	207,533	43,521	-	-
Felt yd.	-	27,073	37,893	79,392	-	-
Glue lb.	-	110,146	163,412	14,480	-	-
Paints, oils and varnishes	-	95,435	-	11,456	-	-
Hardware.....	-	460,289	-	71,113	-	-
Leather	-	2,068	-	28,713	-	-
Actions .. .	-	871,257	-	-	-	-
Hammers	-	115,889	-	-	-	-
Strings	-	100,546	-	-	-	-
Sounding boards	-	126,481	-	-	-	-
Keys	17,289	410,922	-	-	-	-
Keyboards	2,322	17,643	-	-	-	-
Cases	12,974	245,115	-	-	-	-
All other miscell- aneous materials	-	557,476	-	397,558	-	2,309,672
TOTAL COST OF MATERIALS		3,959,419		1,037,601		2,503,026

TIME IN OPERATION AND HOURS WORKED.

The average number of days in which the plants in each section of the industry were in operation, classed as working on full time, on three-quarter time, on half time, on less than half time, and the time in which the plants were idle during the year are shown in the following table. The table also shows the average working hours per day or per shift, as well as the hours worked per week.

	Musical Instruments	Musical Inst. Materials	Phonographs	The whole Industry
Days in operation during the year -				
On full time	290.0	291.4	266.2	283.6
On three-quarter time	-	-	3.5	1.0
On half time	7.0	-	15.4	8.4
On less than half time	-	-	.1	.1
Days idle	7.0	12.6	18.8	10.9
Hours worked -				
Per day or shift ...	9.3	8.8	8.5	9.0
Per week	53.1	49.5	49.0	51.4

THE MUSICAL INSTRUMENT INDUSTRY, 1919.

FUEL CONSUMPTION.

The quantity and cost value delivered at the factory of the different classes of fuel used during the year is shown in the following summary table for each section of the industry. The quantity of bituminous coal of all kinds used in the industry was 14,100 tons valued at \$86,598; of anthracite coal the tonnage was 1,763 and the value \$11,052; of lignite coal 15 tons valued at \$165. Coke with 147 tons worth \$2,200, wood with 869 cords worth \$5,261, artificial gas with 816 m.c.ft. worth \$381 and an unspecified fuel valued at \$2,250 were the remaining classes of fuel reported:

Kinds of Fuel	Musical Instruments		Musical Inst. Materials		Phonographs, cabinets and records	
	Quan.	Value	Quan.	Value	Quan.	Value
Bituminous coal, tn.	6,496	45,726	3,055	13,635	4,549	29,287
Anthracite "	553	3,085	169	2,366	1,041	5,601
Lignite coal ... "	-	-	-	-	15	165
Coke	-	-	144	2,160	3	40
Woodcords.	807	4,645	18	250	34	365
Gas, (artificial and natural) .m.c.ft.	140	155	-	-	676	726
All other fuel .	-	2,250	-	-	-	-
TOTALS		53,861		18,461		36,185
Of Canadian origin		15,191		2,410		2,431
Of Foreign origin		38,670		16,051		33,754

POWER STATISTICS

The kinds of power employed in the industry are given for each section in the following table by number and by horsepower according to manufacturers rating, and also by that actually employed

Power Employed	Mus. Inst.			Mus. Inst. Materials			Phonographs		
	No.	Horsepower		No.	Horsepower		No.	Horsepower	
		Rated	Actual		Rated	Actual		Rated	Actual
Engines -									
Steam	29	1,507	1,212	10	365	205	2	475	125
Gas	-	-	-	-	-	-	1	2	2
Electric Motors -									
Alternating									
currents ..	56	823	709	9	290	245	113	1,027	998
Direct current	9	93	93	-	-	-	8	75	75
Boilers -									
Fired by hand..	54	3,375	2,220	6	755	180	13	1,189	694
Fired mechan- ically	2	115	115	-	-	-	-	-	-

THE MUSICAL INSTRUMENT INDUSTRY, 1919.

MISCELLANEOUS OR OVERHEAD EXPENSES.

The amount chargeable to overhead or miscellaneous expenses is given by items for each section of the industry in the accompanying table, the total for the industry as a whole amounting to \$2,870,738, or 16.6 per cent of the total value of production:-

Items	Musical Instruments	Mus. Inst. Materials	Phonographs etc.
Rent of offices, works & machinery	68,062	14,602	189,055
Rent of power	23,989	6,993	16,072
Insurance premiums	64,947	4,467	24,270
Taxes, municipal, provincial, federal	119,468	16,659	573,217
Royalties, use of patents, etc.	9,205	288	243,460
Advertising expenses	72,831	4,749	182,314
Travelling expenses	47,819	7,305	33,933
Repairs to buildings & machinery	53,010	20,554	52,058
All other sundry expenses	307,619	290,927	422,864
TOTAL MISCELLANEOUS EXPENSES	766,950	366,545	1,737,243

PRINCIPAL STATISTICS BY PROVINCES

The following table presents the principal statistics for each section of the industry by location. The statistics for Manitoba have been included with Ontario, and of Nova Scotia with Quebec for the reason that there are in these provinces less than the required number of plants to permit separate publication.

Provinces	Est. No.	Capital \$	Employees No	Salaries & Wages \$	Cost of Materials \$	Value of Products \$
Ontario & Manitoba)	54	11,704,191	3,914	3,616,712	6,219,337	13,754,196
Quebec & Nova Scotia)	18	3,431,884	946	760,991	1,280,707	3,555,082
CANADA	72	15,136,075	4,860	4,377,703	7,500,044	17,309,278

EXPORTS AND IMPORTS

The following table shows the number and value of organs, pianos and player pianos and organs, the produce of Canada, imported and exported, during the calendar year 1919. Other musical instruments and parts thereof are shown in the table by value only.

Musical Instruments and Parts	Imports		Exports	
	Number	Value \$	Number	Value \$
Cabinet organs	201	14,202	581	63,080
Pipe organs	9	11,670	-	-
Pianos	721	170,462	628	173,579
Piano and organ players, mechanical	10	1,973	-	-
Brass instruments and bag pipes ...	-	79,409	-	-
All other musical instruments, n.o.p.	-	216,989	-	188,780
Phonographs, graphophones and gramophones and finished parts thereof, including cylinders and records therefore	-	2,918,545	-	-
Organ parts	-	11,540	-	-
Piano parts	-	341,778	-	-
Piano and organ parts imported by manufacturers of piano keys, actions, hammers, bass dampers and organ keys	-	166,639	-	-
TOTALS		\$ 3,933,207		\$425,439

