



DOMINION BUREAU OF STATISTICS.

Ottawa, June, 1921.

BUILDING AND GENERAL CONSTRUCTION, 1919.

The Dominion Bureau of Statistics has completed a preliminary survey of the general construction industry for the calendar year 1919. Returns were received from 1,475 individual operators, distributed according to provinces as follows:-

Ontario	721	Saskatchewan	56
Quebec	285	Alberta	42
Nova Scotia	145	New Brunswick	36
Manitoba	110	Prince Edward Island ..	5
British Columbia	75		
		TOTAL	1,475

Capital Investment.

The amount of capital invested in the industry is given by items and by provinces in the following summary table:-

Provinces	Land, buildings and fixtures	Machinery and tools	Materials on hand, stocks in process, etc.	Cash, trading and operating accts. etc.	Total Capital
	\$	\$	\$	\$	\$
Ontario	3,493,851	5,985,313	2,431,785	10,446,998	22,357,947
Quebec	2,526,145	1,309,092	683,924	4,700,354	9,219,515
Nova Scotia ..	461,898	805,387	308,630	1,068,512	2,644,427
Manitoba	1,296,845	686,395	137,441	1,971,443	4,092,124
Br. Columbia ..	216,499	828,054	220,602	680,355	1,945,510
Saskatchewan ..	276,294	190,038	171,869	593,978	1,232,179
Alberta	459,049	207,373	90,511	2,153,903	2,910,836
New Brunswick.	51,235	170,619	62,371	247,828	532,053
P.E. Island ..	300	16,478	12,253	47,494	76,525
CANADA					
TOTALS	8,782,116	10,198,749	4,119,386	21,910,865	45,011,116

Employees, Salaries and Wages.

The number of persons employed in the construction industry by classes of employment, together with the amounts paid to each class is presented in the accompanying table:-

Classes of Employees	Number of employees in each class	Salaries and wages paid to each class.
		\$
Engineers and architects	231	562,057
Superintendents and foremen	938	1,682,720
Clerks, timekeepers, draughtsmen, etc.	906	1,054,901
Wage earners, average number	27,933	30,220,761
TOTALS	30,013	\$ 33,519,639

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Labour Statistics.

The employees engaged throughout the year are classified according to trade as follows:-

Carpenters..	9,693	Labourers	15,925	Painters	494
Bricklayers.	2,179	Teamsters	1,142	Electricians	669
Plasterers .	664	Cement workers.	690	Structural steel	
Masons	364	Stone cutters .	243	workers	219
				Plumbers	183

and all others 3,651, making a grand total of 36,116.

The average time each firm was in operation during the year was 229 days
The number of hours worked per day was 8.7, and per week 50.82 hours.

Miscellaneous Expenses.

The cost of the various items included under the head of miscellaneous expenses for the year are given by items below:

Taxes on business	\$	275,810
Ordinary repairs to equipment		796,095
Rent, fuel, power and all other		
sundry expenses		3,172,445

TOTAL MISCELLANEOUS EXPENSES \$ 4,244,350

Cost of Materials.

The quantity and cost value delivered at the works of the various classes of materials used in construction work are presented for the principal items in the following table:-

Classes of materials	Unit of measure	Quantity	Cost value delivered at works.
			\$
Timber	c. ft.	5,131,795	1,620,495
Lumber, rough	m. ft.	81,718	3,953,119
Lumber, dressed	m. ft.	72,495	3,961,255
Posts	No.	60,740	96,642
Lath	M.	35,470	249,926
Shingles	M.	54,470	342,853
Sash, doors and blinds .			1,257,673
Stone, rough	cords.	39,706	358,474
Stone, dressed .	c. ft.	270,552	488,743
Stone crushed	yds.	478,828	992,851
Brick	M.	139,842	2,634,400
Cement	bbl.	1,204,644	3,751,150
Cement blocks	No.	836,787	300,286
Lime	bush.	407,411	321,647
Plaster	ton.	20,137	221,986
Sand and gravel	yds	752,054	1,737,488
Structural iron & shapes	ton	16,004	1,521,681
Wire, fence	ton	487	52,597
Wire, all other	ton	1,742	189,717
Bolts, nuts, spikes,			
nails, etc			589,219
Asphalt	bbl.	13,352	182,198
Tar and pitch	bbl.	3,421	37,338
Other builders hardware	-	-	824,382
Paints, oils, glass, etc.	-	-	724,651
All other building materials	-	-	6,342,997

TOTAL COST OF MATERIALS \$ 32,753,754

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Construction and Repair Work.

The value of new construction carried out during the year and the value of alterations and repairs done are given separately for the different kinds of work in the following table:

Kinds of work	New Construction	Alterations, maintenance & repair wk.	Total
	\$	\$	\$
Buildings -			
Private premises	44,934,191	8,403,728	53,337,919
Public premises	14,923,792	682,754	15,606,546
Places of worship	2,337,859	583,166	2,921,025
Construction other than buildings -			
Highways and bridges	5,272,931	270,968	5,543,899
Sewers and sewage disposal work	1,032,519	36,723	1,069,242
Tunnels and subways (not railway)	52,773	4,479	57,252
Harbours, wharves, piers and jetties	2,307,035	249,995	2,557,030
Docks, wet and dry ..	1,108,546	44,300	1,152,846
Canals and waterways	1,674,200	388,260	2,062,460
River and sea walls, embankments, etc.	597,134	9,087	606,221
Electric lines and works .	712,875	469,062	1,181,937
Waterworks	612,674	39,928	652,602
All other works of construction ..	5,814,551	1,901,692	7,746,243
TOTAL VALUE OF WORK DONE	81,411,080	13,084,142	94,495,222

Principal Statistics by Provinces.

The following table shows the statistics of capital, employment, salaries and wages, materials and products by provinces for the calendar year 1919.

Provinces	Capital	Employees No.	Salaries & Wages	Cost of Materials	Value of Products
	\$		\$	\$	\$
Ontario	22,357,947	12,175	14,262,598	15,981,688	42,221,209
Quebec	9,219,515	8,298	8,530,921	7,158,794	21,897,341
Nova Scotia	2,644,427	2,764	2,935,050	2,092,168	7,193,416
Manitoba ...	4,092,124	3,308	3,835,879	3,203,552	10,622,817
Br. Columbia	1,945,510	1,521	1,697,047	1,305,326	4,710,305
Saskatchewan	1,232,179	691	863,277	1,325,519	3,275,104
Alberta	2,910,836	772	814,361	1,091,513	3,005,982
N. Brunswick.	532,053	544	499,083	553,089	1,471,848
P.E. Island.	76,525	40	26,673	42,125	97,200
CANADA					
TOTALS	45,011,116	30,013	33,519,839	32,753,754	94,495,222

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