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CENSUS OF PRODUCTION, 1917.

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Dom. Bureau of Statistics

The Dominion Bureau of Statistics has completed its census of the manufactures of Canada for the year 1917, and the preliminary totals are now available. The returns cover 34,380 establishments and show a remarkable development in this branch of Canadian industry when compared with the census of 1915 as summarized in the following table.

	1917	1915	Increase
Capital invested	\$ 2,772,517,680	1,994,103,272	778,414,408
Employees on salaries No.	73,598	52,683	20,915
Salaries paid	\$ 95,983,506	60,308,293	35,675,213
Employees on wages No. (including piece-workers)	619,473	462,200	157,273
Wages paid	\$ 457,245,456	229,456,210	227,789,246
Cost of materials	\$ 1,602,820,631	802,133,862	800,686,769
Value of products	\$ 3,015,506,869	1,407,137,140	1,608,369,729

## MATERIALS AND PRODUCTS.

The gross value of goods made in Canada in 1917 amounted to \$3,015,506,869, and the cost of materials was \$1,602,820,631 leaving a net value added by the process of manufacture of \$1,412,686,238 or \$5,442,098 more than the gross value of production in 1915. The twenty leading industries with the gross and net values of their production are given below in order of precedence:

	Gross value	Net value
Flour and grist mill products	224,191,735	40,604,799
Steel furnaces and rolling mills	170,679,000	62,040,044
Slaughtering and meatpacking	153,279,252	36,082,497
Log Products	115,884,905	75,159,877
Munitions	112,866,333	70,240,235
Pulp and paper	96,340,324	61,627,462
Butter and cheese	85,731,339	13,719,662
Cars and car works	78,564,527	39,884,077
Bread, biscuits and confectionery	77,223,581	33,022,111
Sugar, refined	73,329,260	20,149,349
Smelting	69,262,673	33,591,253
Foundry and machine shop products	66,945,483	43,322,382
Iron and steel products	58,797,766	26,777,534
Building and contracting	54,668,255	32,927,335
Automobiles	54,466,273	18,880,453
Slaughtering not including meat- packing	53,441,466	14,771,901
Boots and shoes	49,170,062	22,389,519
Electric light and power	44,536,848	44,536,848
Leather, tanned, curried and finished	41,117,128	14,492,651
Electric apparatus and supplies	40,204,245	20,046,238

The totals of the twenty leading industries in gross and net value of production were \$1,720,700,960 and \$724,266,227 and they represent respectively 57% and 51% of the grand totals for the Dominion.

## AGENCIES OF PRODUCTION

**CAPITAL** -- The total capital invested in Canadian industrial plants in 1917 was \$2,772,517,680 of which (a) land, buildings and fixtures amounted to \$998,351,070, (b) machinery and tools to \$567,262,533, (c) materials on hand, stocks in process, finished products, fuel and miscellaneous supplies to \$745,546,310 and (d) cash, accounts and bills receivable to \$461,357,762.

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The amount of capital invested in the leading industries was (1) Electric light and power \$356,004,188. (2) Pulp and paper \$186,787,405, (3) Log Products \$149,266,019, (4) Cars and car works \$98,274,585. (5) Steel furnaces and rolling mills \$91,894,777, (6) Flour and grist mill products \$72,573,982, (7) Agricultural implements \$70,493,801. (8) Foundry and machine shop products \$69,215,052, (9) Car repair shops \$68,763,292, (10) Slaughtering and meat packing \$68,145,347.

**EMPLOYEES, SALARIES AND WAGES.**-- The number of salaried employees was 73,598, of whom 57,668 were males and 15,930 females and the total amount paid in salaries was \$95,983,506. Employees on wages exclusive of outside piece-workers numbered 602,632 of whom 489,915 were males and 112,717 females, and they received wages amounting to \$449,548,644. Piece-workers employed outside of establishments were 7,755 males and 9,086 females who received a total payment of \$7,696,812.

**FUEL USED.**-- The total cost of all fuel used during the year was \$73,087,840. The quantity of Bituminous coal used amounted to 7,568,499 tons, worth \$39,638,356; Anthracite coal 410,705 tons valued at \$2,394,186; Coke 2,079,965 tons valued at \$16,122,122; Gasoline 3,158,895 gallons valued at \$359,775; Fuel oil 38,746,824 gallons valued at \$7,607,323; Gas, natural or artificial 92,815,369 m. c. ft. valued at \$2,397,545, and other fuel to the value of \$2,149,441.

**MISCELLANEOUS EXPENSES.**-- The total amount paid for miscellaneous expenses during the year was \$239,373,046 of which rent of offices, works, etc amounted to \$11,211,114, rent of power \$11,647,458, Insurance premiums \$10,694,332, taxes, federal, provincial and municipal \$28,464,674, royalties, use of patents, etc., \$2,041,715, advertising expenses \$9,929,162, travelling expenses \$13,135,337, ordinary repairs to buildings and machinery \$36,053,038 and all other sundry expenses \$116,191,236.

**POWER EMPLOYED.**-- The total actual horsepower used in all manufacturing plants was \$3,667,269, of which steam engines totaling 746,461 h.p., gas engines 52,223 h.p., gasoline engines 20,928 h.p., water wheels 2,062,496 h.p., water motors 6,343 h.p., electric motors 177,336 h.p., all other 12,769 h.p. was generated by the establishments reporting, together with Electric motors 520,830 h.p. and other power 67,833 h.p. by rented power.

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