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THE BOILERS, TANKS AND ENGINES INDUSTRY IN CANADA,  
1 9 2 6.

Production from the boilers, tanks and engines industry in Canada was valued at \$5,343,208 in 1926. This output value was the greatest reported since 1921 and exceeded the production in 1925 by 18 per cent and the 1924 output by 46 per cent; in 1925 production was valued at \$4,540,706 and in 1924 at \$3,667,610.

Of the 34 firms reporting in this industry 19 were located in the province of Ontario, 7 in British Columbia and 4 each in Quebec and Nova Scotia. These concerns represented a capital investment in Canada of \$8,880,350, employed 1,532 people, paid \$1,993,722 in salaries and wages, and by manufacturing processes added \$2,767,086 to value of purchased materials which cost \$2,576,122.

Among the principal products made by the firms included in this industry were 658 boilers valued at \$1,186,222; 1,177 engines valued at \$502,458; 6,860 tanks valued at \$475,404 and many other lines including galvanized range boilers, pumps, steel smokestacks, smoke breeching, safes and vaults, etc. Of the 658 boilers made, 210 with a heating surface of 113,985 square feet and a rating of 11,020 b.h.p. were intended for heating purposes and 439 boilers having 420,086 square feet of heating surface and a rating of 39,548 b.h.p. were for power purposes. Of the 1,177 engines, 1,140 were gasoline with a total rating of 8,638 h.p. and 28 were of the horizontal cylinder steam type with a total rating of 1,241 h.p. Of the 6,860 tanks, 6,151 were intended for storage purposes and 709 were pressure tanks. There was also a considerable output of these commodities in other industrial groups; the total production in Canada, by industries, is shown in Table 3.

TABLE 1.- SUMMARY STATISTICS OF THE BOILERS, TANKS AND ENGINES INDUSTRY IN CANADA,  
1922-1926.

Year	No. of Plants	Capital Employed	No. of Employ- ees	Salaries and Wages	Cost of fuel and elec- tricity	Cost of Materials	Selling Value of Products	Value added by manu- facturing
		\$		\$	\$	\$	\$	\$
1922 ..	43	10,370,771	1,616	2,045,712	116,241	2,036,213	4,904,613	2,868,400
1923 ..	34	8,907,457	1,422	1,856,119	162,920	2,144,355	4,929,920	2,785,565
1924 ..	32	9,140,981	1,242	1,619,323	136,984	1,588,530	3,667,610	2,079,080
1925 ..	32	8,638,759	1,367	1,832,540	122,942	2,322,798	4,540,706	2,217,902
1926 ..	34	8,880,350	1,532	1,993,722	134,092	2,576,122	5,343,208	2,767,086

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TABLE 2.- PRODUCTS OF THE BOILERS, TANKS AND ENGINES INDUSTRY IN CANADA, 1926

Product	Number	Total sq. ft. of heating surface	Total B.H.P.	Selling Value \$
Boilers, heating -				
Steel firebox, locomotive type .....	114	56,894	5,345	126,457
Horizontal return tubular .....	32	24,483	2,488	39,799
Steel water tube .....	64	32,608	3,187	81,809
Boilers, power -				
Water tube, horizontal type .....	45	168,149	16,713	373,569
Water tube, vertical type .....	28	54,500	5,170	112,813
Water tube, bent tube type .....	4	18,568	1,856	38,215
Horizontal return tubular power .....	167	136,863	12,205	208,677
Marine type - internally fired .....	5	4,960	485	19,000
Steel firebox, locomotive type .....	36	18,851	1,797	49,458
Steel firetube, vertical type .....	154	18,195	1,742	41,032
Boilers, other, including cast iron sectional hot water boilers and marine type water tube boilers	9	-	-	95,393
	Unit of Measure	Quan- tity	Total h.p.	
Bins and hoppers .....	-	-	-	15,402
Castings, iron .....	Ton	445	-	34,998
Castings, other .....	lb.	4,000	-	876
Engines -				
Steam, single cylinder, horizontal .....	No.	28	1,241	65,167
Gasoline -				
Automobile type .....	No.	281	3,006	229,000
Marine type .....	No.	633	4,475	155,642
Other types including stationary type and hand car or railway motor car engines .....	No.	226	1,157	41,663
All other engines including vertical cylinder steam engines, steam turbines and oil pumping engines .....	No.	9	208	10,986
Penstocks and rivetted steel pipe .....	-	-	-	51,365
Pumps, piston, power .....	No.	185	-	9,219
Pumps, centrifugal .....	No.	304	-	141,994
Smokestacks, steel .....	No.	176	-	35,027
Smoke breeching .....	No.	90	-	18,706
Tanks -				
Storage .....	No.	6,151	-	397,662
Pressure .....	No.	709	-	77,742
Parts for boilers .....	-	-	-	161,286
Parts for engines .....	-	-	-	90,950
Accessories for boilers and engines .....	-	-	-	88,636
Amount received for custom work and repairs .....	-	-	-	734,814
All other products .....	-	-	-	698,370
Products of 1 or 2 firms (x) .....	-	-	-	1,097,481
TOTAL .....	-	-	-	5,343,208

(x) Includes galvanized range boilers, buoys, hydraulic turbines and water wheels, safes and vaults and fittings, mechanical stokers and parts, superheaters and parts, gasoline stump pullers, keystone excavators and parts, elevating machinery, separators, sulphite digesters, rebuilt engines and boilers, rock crushers, rock drills, mining machinery, pulverized fuel equipment, hand cars, etc.

(a) Figures given in this table do not necessarily represent the total output in Canada of the commodities listed; there may be also a production in other industrial groups. For further data see the annual report on "Iron and Steel and Their Products in Canada."





TABLE 3.- STATEMENT TO SHOW TOTAL PRODUCTION OF BOILERS, TANKS AND ENGINES IN CANADA,  
BY INDUSTRIES, 1925 and 1926.

Industry	1 9 2 5		1 9 2 6	
	Number	Selling Value \$	Number	Selling Value \$
<b>Boilers -</b>				
Boilers, tanks and engines industry.....	551	1,065,389	658	1,186,222
Castings and forgings industry.....	7,841	1,452,513	-	1,666,003
Machinery industry.....	-	52,871	-	225,056
Agricultural implements and machinery industry.....	-	-	-	700
Miscellaneous iron and steel products industry.....	-	-	13	4,773
<b>Engines -</b>				
Agricultural implements industry.....	1,824	193,089	4,658	491,979
Automobile accessories industry.....	-	-	-	-
Boilers, tanks and engines industry.....	924	403,466	1,177	502,458
Castings and forgings industry.....	180	76,602	-	81,841
Machinery industry.....	-	116,236	-	49,525
Automobile industry.....	964059	-	119,821	-
<b>Tanks -</b>				
Boilers, tanks and engines industry.....	31612	382,275	6,860	475,404
Castings and forgings industry.....	-	291,808	29,799	532,262
Miscellaneous iron and steel products industry.....	-	252,849	-	454,580
Machinery industry.....	-	862,832	-	1,020,637
Sheet metal products industry.....	-	265,846	-	280,006

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