

## MINERAL PRODUCTION OF CANADA.

The following summary of the mineral production of Canada in 1896 has been issued by the Geological Survey Department, and is subject to revision in a later bulletin.

Product.	Quantity (a)	Value (a)
<b>METALLIC.</b>		
Copper (fine, in ore, etc.) (b) ....lbs.	9,385,556	\$1,021,148
Gold .....		2,810,206
Iron ore .....	88,206	184,313
Lead (fine, in ore, etc.) (c) ....lbs.	24,199,977	721,384
Nickel (fine, in ore, etc.) (d) .....	3,500,000	1,155,000
Silver (fine, in ore, etc.) (e) .....ozs.	3,205,343	2,147,579
Total metallic.....		\$8,039,640
<b>NON-METALLIC.</b>		
Asbestos.....tons.	12,250	\$ 429,856
Chromite .....	2,362	25,982
Coal .....	3,743,234	8,006,305
Coke (f) ..	49,817	111,560
Felspar .....	480	1,368
Fire clay .....	667	1,427
Graphite .....		9,455
Grindstones ..	3,663	32,810
Gypsum.....	205,203	174,493
Manganese ore.....	12	900
Mica.....		60,000
<b>Mineral Pigments—</b>		
Baryta .....	145	715
Ochres .....	2,250	10,925
Mineral water .....	706,372	111,736
Natural gas (g) .....		276,301
Petroleum (h) .....	726,822	1,155,646
Phosphate (apatite) .....	570	3,990
Pyrites.....	33,715	101,155
Salt .....	43,956	169,677
Soapstone ..	410	1,230
Tripolite .....	664	9,960
<b>STRUCTURAL MATERIALS AND CLAY PRODUCTS.</b>		
*Bricks .....		1,600,000
*Building stone .....		1,000,000
Cement, natural ....bbls.	69,705	60,500
" Portland .....	78,085	141,005
Flagstones .....		6,710
Granite .....	18,717	106,709
*Lime .....		650,000
Marble .....	74	905
Pottery .....		163,905
*Sands and gravels .....		120,000
Sewer pipe .....		153,875
Slate .....		53,370
Terra-cotta .....		110,855
*Tiles.....		225,000
Total non-metallic .....		\$15,087,665
Total metallic .....		8,039,640
Estimated value of mineral products not returned .....		500,000
1896, Total .....		\$23,627,305
1895 " .....		22,000,000
1894 " .....		20,900,000
1893 " .....		19,250,000
1892 " .....		19,500,000
1891 " .....		20,500,000
1890 " .....		18,000,000
1889 " .....		14,500,000
1888 " .....		13,500,000
1887 " .....		12,500,000
1886 " .....		12,000,000

(a) Quantity or value of product marketed. The ton used is that of 2,000 lbs.

(b) Copper contents of ore, matte, etc., at 10.88 cents per lb.

(c) Lead contents of ores, etc., at 2.98 cents per lb.

(d) Nickel contents of ore, matte, etc., at 33 cents per lb.

(e) Silver contents of ore at 67 cents per oz.

(f) Oven coke, nearly all the production of Nova Scotia.

\*Partly estimated.

(g) Gross return from sale of gas.

(h) Calculated from inspection returns at 100 galls. crude to 42 refined oil, and computed at \$1.59 per bbl. of 35 imp. galls. The barrel of refined oil is assumed to contain 42 imp. galls.

It is remarked that since the calendar year 1886, the total value of the mineral product of Canada has nearly doubled. The following table shows the principal changes in production and values during the calendar year 1896, as compared with the figures given in the revised summary for 1895:—

Product.	Quantity.		Value.	
	Increase.	Decrease.	Increase.	Decrease.
Coal..... tons	229,738	....	\$278,859	\$ ..
Copper .....	596,394	....	71,919	....
Gold .....	....	....	899,306	....
Iron ore .....	....	14,591	....	53,757
Lead..... lbs.	1,124,085	....	....	28,582
Natural gas.....	....	....	....	146,761
Nickel..... lbs.	....	388,525	....	205,904
Silver..... ozs.	1,429,660	....	988,956	....

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THE RECORD.

To whom it may concern :

Toronto, Feb. 15th, 1897.

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THE MONETARY TIMES PRINTING CO. OF CANADA, LTD.,  
Per A. W. LAW, Sec.-Treas.

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	" 2, June, "	2,000
	" 3, July, "	2,100
	" 4, Aug., "	2,200
	" 5, Sept., "	2,400
	" 6, Oct., "	2,400
	" 7, Nov., "	2,500
	" 8, Dec., "	2,600
	" 9, Jan., 1896	3,500
	" 10, Feb., "	3,200
	" 11, March, "	3,100
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	" 1, May, "	3,250
	" 2, June, "	3,450
	" 3, July, "	3,600
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	" 7, Nov., "	3,800
	" 8, Dec., "	4,050
	" 9, Jan., 1897	4,100
	" 10, Feb., "	4,350
	" 11, March, "	4,350

## THOUGHTS.

Editor CANADIAN ENGINEER :

Please find enclosed \$1.10 for the part containing the description of the Taylor system of hydraulic air comp., vol. ii., pp. 343-346, and for one year's subscription to THE CANADIAN ENGINEER, beginning with the new vol. v. We have seen a few copies of it and consider it a very able engineering publication.

Yours truly,

ERNEST A. SJOSTEDT,

The Pictou Charcoal Iron Co., Ltd.

Bridgeville, N.S., March 18th, 1897.