

Carbon	97.422
Ash	1.760
Volatile matter.....	0.818
	100.000

Colour of the ash, brownish-red; a portion placed upon moist turmeric paper manifested an alkaline reaction.

The foreign mineral matter contained in this graphite consisted in part of calcite.

In the first of the two following tables the results of the foregoing analyses of vein graphites are given in a tabular form. The composition of the ash of the Canadian graphites 15, 16, 17 and 18, has, however, been omitted; for this information the readers attention is directed to the respective analyses of these graphites. In Table II. are embodied the results of the experiments on the relative combustibility of the graphites.

Table showing
composition of
graphites.

TABLE I.—SHOWING THE COMPOSITION OF CANADIAN, CEYLON AND UNITED STATES GRAPHITE

Number.	Locality.	Specific Gravity.	Per Cent.		
			Volatile matter.	Carbon.	Ash.
15	CANADA, BUCKINGHAM. <i>Vein graphite, var. Foliated....</i>	2.2689	0.178	99.675	0.147
16	CANADA, BUCKINGHAM. <i>Vein graphite, var. Columnar ..</i>	2.2679	0.594	91.626	1.780
17	CANADA, GRENVILLE. <i>Vein graphite, var. Foliated....</i>	2.2714	0.109	99.815	0.076
18	CANADA, GRENVILLE. <i>Vein graphite, var. Columnar ..</i>	2.2659	0.108	99.757	0.135
19	CEYLON. <i>Vein graphite, var. Columnar ...</i>	2.2671	0.158	99.792	0.050
20	CEYLON. <i>Vein graphite, var. Foliated....</i>	2.2664	0.108	99.679	0.213
21	CEYLON. <i>Vein graphite, var. Columnar ..</i>	2.2546	0.900	98.817	0.283
22	CEYLON. <i>Vein graphite, var. Foliated....</i>	2.2484	0.301	99.284	0.415
23	U. S., TIOCONDEROGA, N. Y. <i>Vein graphite, var. Foliated....</i>	2.2599	1.191	96.656	2.153
24	U. S., TIOCONDEROGA, N. Y. <i>Vein graphite, var. Foliated....</i>	2.2647	0.818	97.422	1.760