which carry high gold values-

Stibnite is an ore of a light colour; has a bril- extraction and preparation for the market, necessary liant lustre. It belongs to the non-metallic class. Its specific gravity 5.524.62, symbol S 52 S 3. It is the chief ore of antimony. It is used in safety shales appears to vary considerably in different matches and fireworks, in the manufacture of rubber goods and in refining gold. Since ancient times

and follow as	say shows the val	ue of this ore.
Antimony 4 Gold	Pay Streak 5.75 per cent. 2.48 oz. per ton 10 oz. per ton	From low grade ore 18.21 per cent23 oz. per ton .13 oz. per ton
It is probable	that the occuren	100 of C

It is probable that the occurences of Graphite in different localities was discovered more by accident than by search. Prospectors in going round the country in search for some other mineral have run against a deposit here and there, but beyond hornblends schists and dark slates of pre-Cambrian ation, in the majority of cases followed, chiefly for the reason that there was no market near at hand. The time may come when there may be a demand and then, no doubt, the mineral will attract attention. The following in reference to the mineral is from a report of the Geological Survey, and gives all information procurable up till the present:

"While the occurence of graphite in certain rock-formations in Nova Scotia has been known for many years, up to the present time but little has been done in the way of economic production, Several attempts have, however, been made, more

of Cape Breton. Here the mineral is found chiefly in rocks which have been assigned to the pre-Cambrian age, consisting of crystalline limestones with apparently never been ascertained. The above menslates and shales which are associated with granite tioned localities appear to include the principal detants, Inverness county, it is found in a coarse red syenite full of graphite specks. At Dallas Brook the rocks are felsites, limestones and slates with which the syenites are associated, and the limewhich the systemes are associated, and the limestones are graphitic, while beds of graphitic shale place in any publication descriptive of the economic minerals of Nova Scotia. Some attention was given to it in 1917, for the first time in Nova Scotia in all

pear therefore, to depend largely upon the cost of its to ensure the requisite amount of purity.

parts. Thus, samples, collected in 1878 by Mr. it has been used in Eastern countries as a cosmetic. vey laboratory, gave of graphite only 13,965 per cent, but a more recent assay by Dr. Hoffmann, of material from the same deposit, made for Mr. Jan e McIntosh, yielded graphite 31.8 per cent. A later assay is given in the report of the Mines Department for Nova Scotia, of the shales from Christmas Island which is practically the same deposit, in which the percentage of graphite is given as 50.23, with rock matter 43.37 and water 6.50. These shales apparently belong to the Cambrian rocks of Cape Breton.

age are blackened with the contained graphite, but no definite information as to the actual graphite

In the county of Guysborough, near the Tor Bay road, several pits have been opened along the Salmon River in a black slate which is probably of Devonian age, and near the contact of the gold-bearing slates. These slates apparently contain a fair percentage of graphite.

The occurrence of graphite has also been report from West Bay, Grand Narrows, East Bay and Hunters Island, and in addition, Mr. Gilpin, in his Report of the Mines of Nova Scotia 1880, mentions especially in the eastern portion of the province, to its presence, mostly in the form of prumbaginous respectably in the elasteria portion of the portion, to the portion of pranting from the form of pranting ground exploit deposits of this material, but so far these do shales, at Parrst brough, Salmon River, Musquodonot appear to have been attended with much suc-boit, Hammonds Plains, Fifteen-nile Stream, Boul-The principal occurrences of graphite in the last three being in Cape Breton. Concerning the exarderie Island, Gregwa Brook and Gillis Brook, the provinces are described as belonging to the island tent of these deposits, no particulars are available, and but little attempt at mining has been done for posits as yet known to exist in this province.

MAGNESITE.

stone is sometimes burned for lime; the horizon of probability, due to its discovery, and production to these rocks is that known as the George River lime- a limited extent by the Nova Scotia Steel and Coal One of the graphitic shale localities is found poses of the company. The discovery was made at Co., who found the mineral suitable for certain purhalf a mile south of Guthro Lake near the French River Denys, Cape Breton. The deposit was not Vale road. The band at this place is said to have a an extensive one and soon became exhausted. Its breadth of two to three feet and ca nbe traced for discovery and usefulness has inspired the hope that some distance on the strike. An Analysis of this the mineral may be met with in other districts, and Survey and gave graphite 38,387 per cent. Report mineral not sought after has been encountered, a of Progress Geol. Surv. Can. 1879-80 p. 1-2. The systematic search may result in revealing many purified graphite from this place, when completely other hiding places. Indeed its discovery has led separated is of fair quality, and appears to be well old prospectors to imagine, if not really believe, that separated is or an quanty, and appears to be determined in the course of prospections to imagine, it not reany beneve, that adapted for lead pencils, electrotyping, and for most just such a mineral, or one closely resembling, had of the numerous uses for which graphite is availbeen met with in the course of prospecting in sevable. Its value as an economic product would ap- eral localities but that no attention had been paid