

Madame : it has not been discovered in a regular vein, but is met with in detached masses, called by miners shoads or tumblers; these masses were found in a loamy soil overlying Greywake. The proportion of silver is apparently very considerable, probably thirty ounces in the Ton.

b. *Carbonate of Lead*. Occurs in an earthy friable state, coating the last mentioned variety.

#### MOLYBDENA.

a. *Sulphuret of Molybdena*. Beautiful specimens of this mineral have been found in a phosphoritic rock on the coast of Gabarus Bay, Cape Breton; it occurs massive and crystallized, in very low double six sided pyramids, connected by a short prism; also in six sided tables at the same place. It is accompanied by Iron Pyrites of a deep yellow colour, crystallized in cubes, whose plains are striated. Molybdena has not yet been found in any other part of Nova-Scotia.

#### IRON ORES.

Nova-Scotia is very abundant in the ores of this useful metal. The following are the principal varieties which occur in the eastern part of the Province.

a. *Clay Iron Stone*. This is by far the most important of the Iron Ores. The greatest quantities occur in the shale strata of the Pictou Coal Field. We cannot at present enumerate the several beds which are interstratified with the coal measures, as the whole of the coal field has not yet been proved. At least fifteen different strata have been observed, some of which are of considerable thickness, and very good quality. It is also found in the shale of the coal formation in Spanish River and Lingan, Cape Breton. At the former place, in a bed of shale,