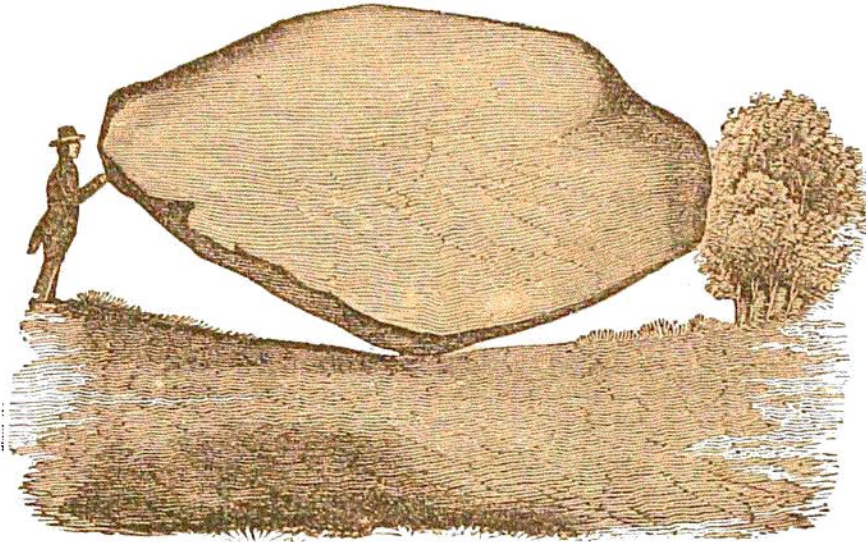


Fig. 59.



*Rocking Stone, Fall River, Massachusetts.*

the ruby, and the zircon; as well as platinum, gold, and tin. Platinum, gold and the diamond, are explored almost exclusively in this formation.

2. *Alluvium Proper, or Modified Drift.*

Considered lithologically, Alluvium embraces the following deposits :

Soil.	Silicious Marl, or deposits of the skeletons of Infusoria.
Clay.	Bitumen.
Sand.	Sulphate of Lime.
Peat.	Hydrate of Iron.
Marl.	Bog Manganese.
Calcareous Tufa, or Travertin.	Chloride of Sodium (Sea Salt).
Coral Reef.	Sandstones, Conglomerates, and Breccias.
Silicious Sinter.	

*Soil* is disintegrated and decomposed rock, with such a mixture of vegetable and animal matter that plants will grow in it.

*Clay* differs from sand in two respects: 1. The materials have been reduced to a much finer state than sand; 2. It contains much more alumina.

The vast accumulations of *sand*, the result of alluvial agency, occur not merely in the bed of the ocean and in lakes, but also upon the dry land, where they are called *dunes* or *downs*. These