

*Thetis Hair Stone*.—I noticed this mineral some years ago filling a vein in the Township of Hull. In the rough state it is not a very prepossessing mineral, but when cut tolerably thin it displays its peculiar hair-like markings, floating in a greasy transparent quartz. These inclusions are filaments of Actinolite, and when sparingly distributed and less defined they would assist in producing Catseye Quartz.

*Chalcedony*.—Under this heading we must include a number of minerals that differ only in their translucency and colour, such as Agates, Onyx, Sardonyx, Hornstone, Chrysoprase, Plasma, Prase, Jasper, Bloodstone and Cachelony, which will be described separately.

Chalcedony includes those clear, translucent varieties of bright red, yellow and white, often called *Carnelian*; when of brownish red it is called *Sard*.

These varieties may frequently be found in rolled pebbles on the shores of the Bay of Fundy, Baie des Chaleurs and Lake Superior, also at a few places in British Columbia.

*Hornstone* is improperly applied to a cellular cherty mineral from Grenville, of no value for cutting; but in the neighbourhood of Two Islands, Nova Scotia, a beautiful white translucent variety occurs, which, owing to its extreme toughness and its susceptibility to a high polish, is well suited for Signet rings, etc.

*Agate*.—A description of this mineral alone would fill a good-sized volume were we to make any attempt to elaborate on its varieties and occurrence. The three principal localities where it is obtained are Nova Scotia, Lake Superior region in Ontario, and British Columbia.

From Two Islands, in Minas Bay, to Cape Chignecto, in the Bay of Fundy, and from Digby Gut to Blomidon, on the south side of the Bay, may be called the home of the Agates, occurring at intervals in veins and pebbles, the latter being generally the finest. The varieties mostly met with on the Bay are the variegated and brecciated Agates, although the Fortification and Moss Agates are frequently found, the latter both yellow and green.

In the neighbourhood of Lake Superior the Fortification Agates predominate, although pretty Moss Agates are often found. In British Columbia the Agates are also of the Fortification type, but generally