

variety have lately been found by Dr. G. M. Dawson in British Columbia. These are made up of several strata, and as these layers are exceedingly thin, of different colours, conspicuous among which is a bright green, they would cut into handsome Sardonyx gems.

*Chrysoprase* occurs of various shades of green, and is translucent. Its colour is due to the presence of a little nickel. This stone was formerly greatly esteemed in Europe, but now is almost valueless. This may be owing to the fact that its colour gradually fades in the course of time. The mineral was found by Dr. Bell, of the Geological Survey, in the Hudson Bay Territory.

*Prase* has been noticed by Dr. Dawson, in British Columbia, of a dark green colour. It would contribute a curious gem, but although it takes a good polish, it is said to become spotted by long exposure to the air.

*Jasper*.--Another mineral of the many varieties of Quartz, may be said to be quite common in Canada, and indeed only a few miles from our doors, a band of variegated Jasper occurs, from bright red to various shades of brown and yellow, with often the three colours intermingled. Ribbon Jasper is of frequent occurrence in the Bay of Fundy, often of a brownish base with yellow bands. At Two Islands, Minas Basin, in Nova Scotia, a peculiar white porcelainous looking Jasper, interspersed with rose coloured markings, occurs in veins of Basalt. It takes a high polish and some specimens resemble hand-painted Porcelain. Jasper of various colours may be found almost anywhere on the Bay of Fundy, either in loose pebbles among the debris of the shore or in veins intersecting the Basalt.

The occurrence of this mineral at Sherbrooke and Rivière Ouelle in the Eastern Townships in beds and veins is mentioned in the Geology of Canada. This is, however, very uncertain in its polish at the former locality, where this mineral is of various shades of red. Specular Iron ore, together with numerous small holes, render it entirely useless as an ornamental stone. The Rivière Ouelle specimens, which are often beautifully variegated, will occasionally take a good polish. The so-called "Gaspé Pebbles" are generally Jasper. In the Lake Superior district, in Ontario, Jasper of different colours is found, both in veins and pebbles, the latter enclosed in a translucent quartzite, forms large