

the somewhat darker shade from Nova Scotia, also afford material for cutting. This stone, when translucent and prettily mottled, will cut into curious and pretty gems.

*Jade* or *Nephrite* is a tough compact translucent mineral graduating from a greyish white to dark shades of green. It takes a high polish, having a somewhat greasy lustre. This is not much known in this country, but is very popular in Asia. It is found in Corisca, China, Egypt and New Zealand, in the latter country it is called Greenstone.

In British Columbia numerous implements and tools, fashioned by the Indians out of a beautiful translucent variety of this mineral equal to that from New Zealand, are often found, but no occurrence of this mineral in situ has yet been observed.

*Epidote*, when in translucent crystals and of a good colour will sometimes cut into a very curious gem. Our Canadian mineral is generally of a hue of greenish or yellowish colour; some small crystals, however, from Wakefield are translucent, but not of gem quality. The massive variety although widely distributed in the Pre-Cambrian rocks is rarely met with in large pieces, but as an accessory to the Gneissic rocks it sometimes lends a pleasing tint when these are polished. Fine slabs of a reddish colour, veined or clouded with light green Epidote, might be cut from the Gneiss of Ramsay. Epidosite from the Shick-Shock Mountains will also cut into fair stones of a pale yellowish green colour somewhat resembling Chrysoprase. According to the Geology of Canada this mineral is also of frequent occurrence in the Silurian rocks.

*Rutile* is mentioned as a gem material, sometimes cutting into Ruby red stones, and others of a black colour, more closely resembling the Black Diamond than any other known gem. Some of the lighter coloured ones cut into gems closely resembling the common Garnet.

This mineral occurs in Canada in Ruby red grains distributed through the Ilmenite at Bay St. Paul, but I have not heard of any pieces being found large enough for cutting. It also occurs in geniculated crystals of a reddish colour in a mixed bed of Barite and Calcite at Templeton, but not of gem quality.

*Chondrodite* occurs of various shades of yellow to hyacinth red, also green and brown in massive varieties. In Canada the only occur-