

Some of the brown varieties found at Lachute, Calumet Island, and other places, might contribute small gems.

*Zircon* is of frequent occurrence in Ontario and Quebec, and constitutes such gems as the Hyacinth, Jacinth, and the Jargoon. The latter variety has not been met with in Canada. It comes principally from Ceylon, it is perfectly transparent and almost colourless, and on account of its peculiar smoky hue is sometimes passed off for a Diamond. At the Colonial and Indian Exhibition in London specimens were shewn under the name of Ceylon or Matara Diamonds.

In the Counties of Renfrew, in Ontario, and Ottawa, in Quebec, magnificent crystals of the brownish-red variety have been found from time to time, but with the exception of a few very small hyacinth coloured crystals from Sebastopol, not fit for cutting.

Independent of the cutting qualities of this mineral, and partly on account of its crystallographic forms, single and twinned, it has been greatly sought after by mineralogists. Forty dollars has been paid for a single crystal from the Township of Brudenell. Small crystals of an inch and under have no value, but large and well-defined crystals command a good price.

*Spinel* is thought to have been included under Carbuncle by the ancients, and even to-day it is often sold in Ceylon for the Ruby. This mineral is known to jewellers and others under various names, such as Spinel Ruby, when of shades of red; Balais Ruby, when pale red or rose-pink; Almandine Ruby, when red bordering on shades of blue; Sapphirine, when blue, and Pleonast, when black.

In the Township of Wakefield large cubical crystals of a dark green and purplish colour occur in a vein of Calcite, and at times afford small dark green and blue transparent gems. In the same neighbourhood octahedral and cubical crystals of pink Spinel (Balais Ruby) occur sparingly, sometimes three-quarters of an inch across, and although marred with numerous cleavages, afford small pieces from which fair transparent gems may be cut. The blue variety is said to occur in limestone in the Seignior of Daillebout. Black octahedral crystals, often grouped together, are mentioned in the Geology of Canada as occurring in Burgess in flesh-red limestone.

*Garnet*, which is introduced to us under various names by jewellers