

6. *Pentlandite*.—Double sulphide of iron and nickel ; is of a bronze-yellow colour, contains from 18 to 21 per cent. of the metal, and has been found in Southern Norway.

A similar mineral, containing from 10 to 12 per cent. of nickel, has been discovered in the neighbourhood of Inverary, Scotland, and is also found in the United States and Canada. The ores of Sudbury, being nickel-bearing Pyrrhotite, have to be referred to that group.

Another sulphide of nickel, bearing bismuth, has been detected in some German mines, from which specimens of arseniate of nickel of a beautiful apple-green colour have also been produced.

7. *Zaratite or Hydrated Carbonate of Nickel*.—Usually occurs as an incrustation on other minerals, nearly transparent, of a bright-green colour.

Another ore of nickel of a brown or nearly black colour, containing variable quantities of sulphur, is also found in connection with ores of cobalt at La Motte Mine, Missouri, United States, America.

8. *Garnierite*.—Is an hydro-silicate of nickel and magnesia ; has been found in New Caledonia, where it is extensively worked.

Its composition is :—

Silica and gangue matter	...	...	...	...	38
Magnesia	...	...	...	...	15
Oxide of nickel	...	...	...	...	18
Oxide of iron	...	...	...	...	7
Water	...	...	...	...	22