ELE\n\nMENTS
\n\nOF
\n\nMINERALOGY.
\n\nBY
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\n\nSECOND EDITION,
\nWITH
\nCONSIDERABLE IMPROVEMENTS AND ADDITIONS.
\n\nVOL. I.
\nEARTHS AND STONES.
\n\nLONDON:
\nPRINTED BY J. NICHOLS,
\nFOR P. ELMSLY, IN THE STRAND.
\n\nMDCCXCIV.
SEVENTH GENUS.


THE only species, of this genus hitherto known, is the stone called Jargon of Ceylon, or Zircon, which exhibits the following characters *:

Its colour is grey, or greenish white, mountain or olive green, inclining more or less to yellow, yellowish brown, reddish brown †, and violet.

It is found either in small irregular grains, or crystallized. The crystallization presents either right-angled quadrangular prisms surmounted with pyramids; or octahedrals, consisting of double quadrangular pyramids; the surface somewhat smooth and polished.

The external lustre is casual, but the internal is strong and inclining to the metallic.

The fracture is intermediate between the thin curved foliated, and the flat conchoidal, and some small-grained distinct concretions.

The fragments, indeterminate and very sharp. Strongly semitransparent. Sometimes Opake.

Briffon 73.

Its hardness from 10 to 16. Its sp. gravity according to Briffon, 4.416. And according to

† Briffon p. 73.

Heated to redness, and quenched in water, it becomes rifty, and troubled.

According to Mr. Geyer, it is scarcely fusible, even by the help of pure air.

It is insoluble in acids, except by particular management.

By the analysis of Mr. Klaproth *, 100 parts of it contain, 31,5 filex, 5 of ferruginous nickel, and 68 of a new earth.

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EIGHTH GENUS.

Sydneia.

Of this no species has as yet been found; nor has it been detected in any other stone.

* Briffon, p. 73.