

## FROM 1,263 FATHOMS (STATION 22).

A single rounded pebble, weighing 18 grains, chiefly quartz, with a little of a black mineral hornblende or tourmaline, probably from a metamorphic schist.

GRAVEL FROM 1,366 FATHOMS (STATION 19*a*).

Consisted of 51 small subangular pieces of rock, all less than  $\frac{1}{2}$  grain in weight, excepting only one fragment (angular) of quartz, which weighed 2 grains; they consisted of—

- 19 Fragments of quartz, all of which appeared to have proceeded from the disintegration of crystalline schists, and not from granite.
- 9 Hornblende schist.
- 8 Mica schist.
- 7 Loose, dirty-white tufaceous limestone.
- 3 Small fragments of augite or tourmaline (? which).
- 1 Fragment of quartz, with tourmaline.
- 4 Fragments of indistinct and uncertain character.

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## GRAVEL FROM 1,476 FATHOMS (STATION 21).

Six small subangular fragments, the largest of which did not exceed two grains in weight; they were respectively—

- 1 Yellow quartz.
- 1 Quartzose chlorite schist.
- 3 Mica schist.
- 1 Small fragment, apparently of volcanic lava.

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The specimen from Rockall is not a fragment of any normal rock, but is only a brecciaform aggregate, principally consisting of quartz, felspar, and crystals of green hornblende, held together by a silicious cement. It has evidently been broken from the projecting edge of a fault or vein fissure; and although it cannot settle the matter definitely as to what rocks this islet may really be composed of, it would indicate that it most