

Among the actinozoa, this haul yielded a very beautiful new coral (Fig. 30), which has been described by Mr. Moseley under the name of *Ceratotrochus diadema*.

The corallum is white, shallow, and saucer-shaped, with a short rudimentary pedicle and a small scar of adherence. The primary and secondary costæ are prominent and serrate; there are six systems of septa and five cycles; the whole of the septa are exsert, the primary and secondary extremely so, projecting 10 mm. above the margin of the calicle. The quinary septa unite with the quaternary, the quaternary with the tertiary, the tertiary with the secondary. The primary septa remain free throughout their whole course to the columella; the columella is large and oval, and composed of contorted fascicular matter. The extreme diameter of the corallum between the tips of the exsert septa is 5·75 centims., the extreme height 2·15 centims.

A young living specimen of this coral had been previously dredged at Station LXXVIII. between the islands of San Miguel and Santa Maria, at a depth of 1000 fathoms; and the single adult specimen now procured was without its soft parts, but perfectly fresh, and apparently only recently dead.

On the following day, keeping nearly the same course, we trawled three times at a depth of about 400 fathoms, and got a large number of very interesting forms, the assemblage, on the whole, reminding us very much of the fauna at about the same depth off the coast of Portugal. Among the special prizes were two specimens of the rare little crinoid *Rhizocrinus lofotensis*, each infested by several individuals of a species of *Stylifer*; and a single example of a fine undescribed species of the genus *Pentacrinus*, of which I shall now give a preliminary notice, proposing for it the name *Pentacrinus Maclearanus** (Fig. 31).

The length of the entire specimen is about 13 centims.; and

* I dedicate this species to Captain Maclear, R. N., whose friendly co-operation in his important executive capacity of commander of the *Challenger* was of the greatest importance to us.