

shaped. Another mass, similarly attached to the reef at base, observed on Kawehe (Vincennes Island), was six feet high above low-water level, and seven feet in its longest diameter. Below, it had been worn like the one just described; though to a less extent. Another similar mass was eight feet high. Figure 2 represents a block six feet high and ten feet in its longest diameter, seen on Waterland; it was unattached below, and lay with one end raised on a smaller block. On Aratica (Carlshoff), others were observed. One loose mass like the last was eight feet high and fifteen feet in diameter, and contained at least a *thousand cubic feet*. Raraka also afforded examples of these attached and unattached blocks, some standing with their tops six feet above high-water mark.

These masses are similar in character to many met with among the fields of blocks just described, and differ only in having been left on the platform instead of transported over it. Some of them are near the margin of the reef, while others are quite at its inner limit. The second mass alluded to above, on Kawehe, was a solid conglomerate, consisting of large fragments of *Astræas* and *Madrepores*, and contained some imbedded shells, among which an *Ostræa* and a *Cypræa* were noticed. This is their usual character. The other two were parts of large individual corals (*Porites*); but there was evidence in the direction of the cells that they did not stand as they grew; on the contrary, they had been upthrown, and were afterward cemented with the material of the rock beneath them, probably at the time this rock itself was consolidated. Below some of the loose masses the platform was at times six inches higher than on either side of the mass, owing to the protection from wear given to the surface beneath it. These blocks are always extremely rough and uneven, like those of the emerging land beyond; and the angular features are partly owing, in both cases, to solution from rains and from the dashes of sea-water to which, with every tide, they are exposed.

It should be distinctly understood that these masses here described were found isolated, and only at considerable intervals. In no instance were they observed clustered. The loose