

7. *Phos smithi*, n. sp. (Plate XVII. fig. 7).

Station 122. September 10, 1874. Lat. 9° 5' S., long. 34° 50' W. Off Pernambuco. 350 fathoms. Mud.

*Shell*.—Long, narrow, fusiform, closely and narrowly ribbed, spiralled, with a high narrow spire of flatly convex whorls, a small sharp apex, a shortish conical base, terminating in a short, lop-sided, straight snout. *Sculpture*: Longitudinals—there are on the last whorl 18 or 19 ribs, which diminish slowly in number up the spire; they stretch from suture to suture, are more or less continuous from whorl to whorl, and extend to the snout; they are narrow but well rounded, though on the last whorl they tend a little to spread out and flatten; the furrows between them are rather broader than they, especially on the body-whorl, for towards the apex they are crowded; on each whorl one or two of these ribs swell into a slightish varix: the entire surface is densely covered with fine hair-like lines of growth. Spirals—the whole shell is scored with rounded threads a good deal finer than the ribs; of these there are 2 on the first regular whorl, 7 to 8 on the penultimate, and about 16 on the body-whorl; in crossing the ribs these threads rise into broadish compressed white tubercles; the furrows between the threads are more than double the breadth of these, but generally have a finer thread in the bottom; two of the threads at the periphery, and the two on the snout, are stronger than the rest; the point of the snout is scored with the old canal scar, and is streaked obliquely with narrowish threads. *Colour* an ochrey white, stained with three bands of pale chestnut brown. *Spire* high, narrow, conical. *Apex* is sharply conical, and consists of 4 small white carinated angulated whorls (the extreme tip is broken, but was evidently minute), of which the last is feebly ribbed longitudinally. *Whorls* 8 below those of the apex; they are short and convex, and of very slow increase; the last is small and narrow, and has a short rounded base, ending in a smallish, lop-sided, slightly twisted, barely reverted, emarginate snout. *Suture* a little impressed, rather oblique. *Mouth* small, oval, pear-shaped, prolonged into a very short oblique canal. *Outer lip* thin, flatly convex in its curve, patulous in front, where it becomes concave in its curve, and then it runs oblique and direct down the short canal. *Inner lip* narrowly excavated into the texture of the shell; it is flat on the body, concave at the base of the pillar, which is short, straight and feebly double-toothed at its point, where it is obliquely cut off and twisted. H. 1.25 in. B. 0.45. Penultimate whorl, height 0.23. Mouth, height 0.52, breadth 0.25.

This species a good deal resembles *Phos cumingii*, Reeve, in form, but the sculpture is quite different. I have given it the name of Mr Edgar A. Smith, whose ever kind help I have repeatedly had to appeal to.