

Insol. (SiO ₂)	..	..	5.10 %
Al ₂ O ₃	..	..	0.57 %
Fe ₂ O ₃	..	..	0.87 %
CaCO ₃	..	..	86.25 %
MgCO ₃	..	..	6.64 %
H ₂ O	..	..	0.41 %
P ₂ O ₅	..	..	Present
Total			99.84 %

The percentage of carbonate of magnesia is higher than might be expected, but this may be due to some impurity in the sample. Such a sand would be worthy of a thorough test as a fertilizer for the acid soils which prevail in many of the basaltic areas of Victoria.

ON A NEW VARIETY (VAR. *BAKERI*) OF THE MARINE SHELL *FASCIOLARIA AUSTRALASIA*, PERRY.

BY J. H. GATLIFF AND C. J. GABRIEL.

(With two Plates.)

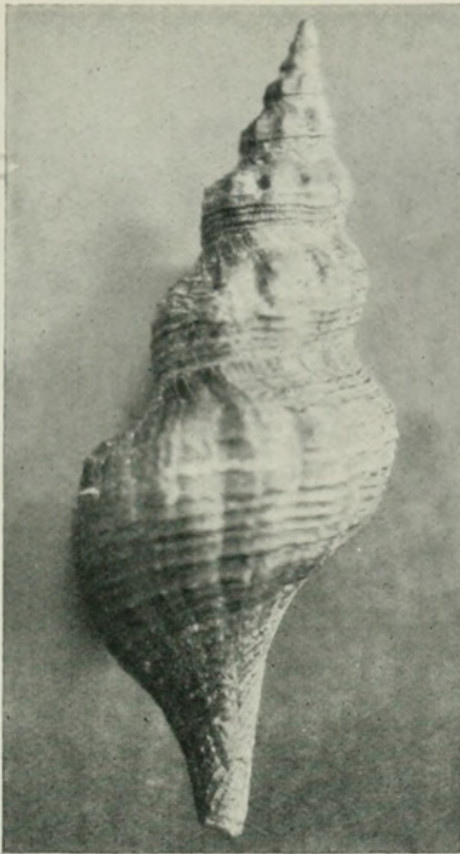
(Read before the Field Naturalists' Club of Victoria, 10th June, 1912.)

THE following is the original description in "Conchology, or the Natural History of Shells," by George Perry (London, 1911), of *Pyrula australasia*, pl. 54, f. 4:—"Shell of an olive green, the mouth of a dark brown, rounded, streaked within. A native of New Holland and Van Diemen's Land." The figure is a good one, and depicts the front aspect of the non-coronate variety of *Fasciolaria*, which is not common on our coast.

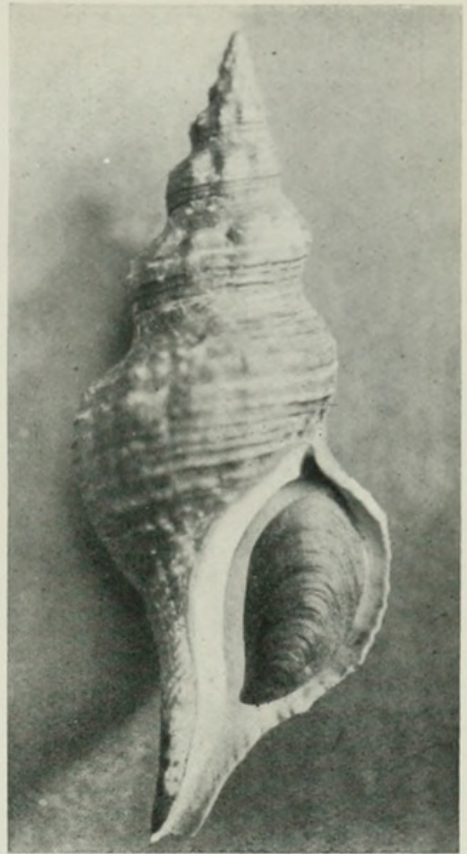
In 1822 Lamarck, in "Anim. Sans Vert.," vol. vii., p. 120, described *Fasciolaria coronata*. His work had no figures; but in 1840 Reeve, in "Conchologia Iconica," vol. ix., pl. 6, ff. 14 (a), (b), (c), (d), gave excellent figures of the mature and young forms, and thus described the species:—"Shell fusiform, sometimes abbreviated, sometimes elongated, whorls spirally obtusely ridged throughout, concavely slanting round the upper part, nodose at the angle, nodules rather swollen, fawn or ashy-grey, encircled with two more or less obscure whitish narrow zones."

Habitat.—New Holland.

Kiener, in "Coquilles Vivantes," vol. ii., p. 13, pl. iv., fig. 2, described and figured *Fasciolaria fusiformis*, Valenciennes. The figure resembles that given by Perry, but the only longitudinal plications depicted are on the early spiral



No. 1.

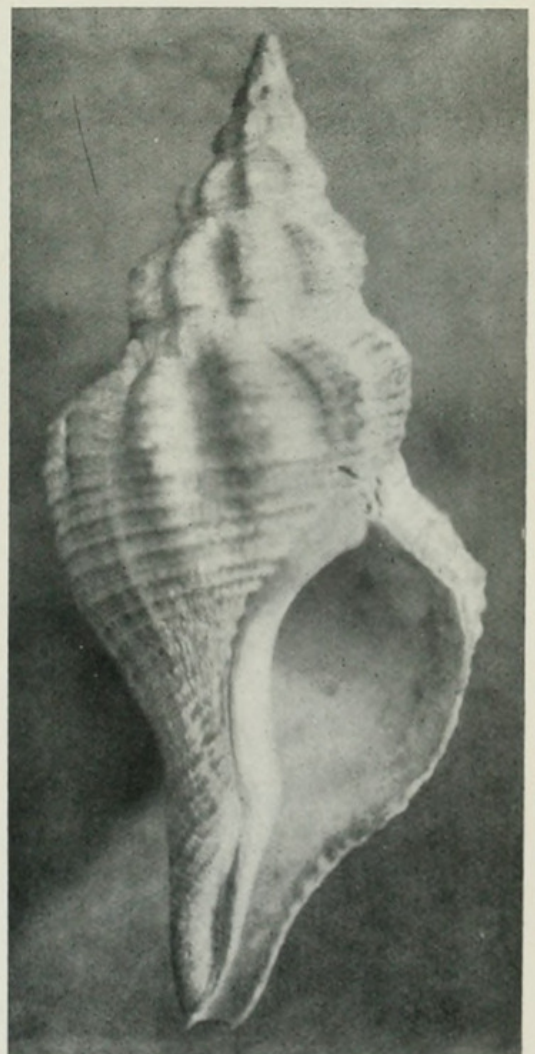


No. 2.

FASCIOLARIA AUSTRALASIA, VAR. BAKERI.—GAT. LAND GAB.



No. 3.



No. 4.

VARIETIES OF FASCIOLARIA AUSTRALASIA.



1912. "On a new variety (var. bakeri) of the marine shell *Fasciolaria australasia*, Perry." *The Victorian Naturalist* 29, 46–48.

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