

pairs, the male spadices, which are judging from Roxburgh's figure, quite different, the shape of the flower bud, and the trifold corolla with depressed segments and shorter than the ovarium.

It is more common in the Gardens than the other, for which it has been so strangely mistaken.

* * *Flores dioici, Stamina indefinita.*

ORANIA. Blume.

93. (3) *W. nana*, (n. sp.) pinnis subquinis oppositis basi cuneatis ceterum obliquis irregulariter lobatis vel dentatis, spathis vaginantibus distichis conduplicatis, fl. fæmineis tripetalis ferrugineo-furfuraceis, spadicebus (fæm.) simplicibus vel 2-3 ramosis, fructibus oblongis 1-spermis (albis.)

HAB.—Lower Assam, in woods about Gowahatty. *Assam Deputation. Major Jenkins.* Flowers in July, August.

DESCR.*—A small erect palm from 3 to 5 feet in height. *Trunk* slender, throwing out roots from the base, covered with sheaths of the leaves. *Leaves* about 2 feet long; *petiole* short, roundish, obliquely sheathing at the base, with a thin *rete*, above produced into a bipartite liguliform body; *pinnæ* alternate or subopposite, cuneate towards the base, above this oblique, variously lobed, toothed and spinuloso-serrate: terminal one irregular in shape, generally bilobed, striate-veined, above green, underneath glaucous white.

Spadices axillary. *Spathes* several, distichously imbricate, ferrugineo-furfuraceous, conduplicate, entirely concealing the peduncle.

Spadix simple, or with two or three divisions, densely ferrugineo-furfuraceous, flower-bearing part exerted, about the length of a finger. *Flowers* densely spiked, small, white, with (at least in the female) an inverted order of expansion. *Male Calyx* of three rounded, sub-membranous sepals. *Petals* three, oblong, with almost introflexed points, furrowed inside from the pressure of the stamina. *Stamens* about 14, inserted on a small prominent torus, rather shorter than the petals; *filaments* very short; *anthers* linear, adnate. No rudiment of a *Pistillum*.

Female flowers also white, crowded on a generally simple spadix attenuate at the apex and probably there bearing neuter or hermaphro-

* From fresh entire specimens communicated by Major Jenkins.

dite flowers. *Calyx* tripartite nearly to the base, segments very spreading, greenish. *Corolla* of 3 broad, ovate, sub-connivent, striate, coriaceous petals. No rudiments of *Stamina*. *Ovarium* white or reddish, a little shorter than the corolla, triangular-conical, the angles alternating with the petals, 2-celled, of a thick coriaceous substance. *Style* 0. *Stigma* emarginate. *Ovules* solitary, erect.

Fruit sub-baccate, white, obliquely oblong, straight on the upper side, convex on the other, 7 lines long, $4\frac{1}{2}$ broad; base surrounded by the perianth, apex presenting a bi-dentate sphacelated stigma, 1-seeded, 2-celled, 1-cell almost obliterated. *Seed* 1, of the same shape, whitish; *tegument* adhering to the albumen; *raphe* on the straight face, palmately divided, branches often dichotomous. *Albumen* solid, radiating from a central line. *Embryo* about the centre of the convex (dorsal) face.

This species appears allied to *Orania regalis*, Blume, *Rumphia*, t. 85. and *O. porphyrocarpa*, Mart. *Palm.* t. 157. It differs from both in the number and the irregular shape of the pinnæ, the crowded flowers, and three petalled females. In the shape of the fruit it is nearly intermediate.

Besides these three species, I have bits of three others, collected on the N. E. frontier, (one from Yen in the Mishmee Mountains.) If to these Buchanan's *Harina caryotoides* be added, the total number of our Indian species will be seven, of which increase, the most unexpected part is the finding an undescribed species* in the H. C. Botanic Gardens, in which it has existed at least 25 years.

MACROCLADUS.

CHAR. GEN.—*Flores* monoici, fæminei utrinque masculo stipati. *Spatha* duplex, interior completa, clavato-fusifor-mis, lignosa. *Corollae* valvatæ. *Stamina* 6. *Ovarium* trilobulare, loculis 1-ovulatis. *Fructus* subsiccus. *Albumen* cartilagineum, æquabile. *Embryo* lateralis.

HABITUS.—*Palma malayana, spectabilis, inermis*. *Corona hæmisphaerica, densa*. *Folia pinnata, pinnis linearibus,*

* This makes the second undescribed Palm in the Gardens, see p. 36.