

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-fusiformis, lignosa. *Corollae* valvatæ. *Stamina* 6. *Ovarium* trilobulare, loculis 1-ovulatis. *Fructus* subsiccus. *Albumen* cartilagineum, æquabile. *Embryo* lateralis.

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

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

apice irregulariter dentatis vel lobatis, subtus albidis. Spadix axillaris, paniculatim ramosus. Flores albi, minuti. Fructus globosus, albidus.

Folia et flores fœminei quodammodo Arengæ, spathæ Cocos, fructus Coryphæ.

Locus naturalis mihi ignotus: ad calcem Arecinarum interim posui. Affinis Euterpe montanæ, Graham, Bot. Mag. t. 3874, quæ cum caractere generico citato saltem quoad spathas minime convenit.

94. (1.) M. sylvicola.

HABT.—In forests, Ching, Malacca. Malayan name, *Ebool*.

DESCR.—A handsome palm, about 40 feet in height, with somewhat the habit of *Cocos nucifera*. *Crown* sub-hemispherical, dense. *Leaves* pinnate, ample, 12-15 feet long, spreading in every direction; *petiole* with the margins of the hardened leathery half stem clasping base lacerate-fibrous, lower naked part about 5 feet long; *lamina* sub-obovate in outline; *pinnæ* sub-linear, 2½-3 feet long, 2 inches broad, oblique at the points where they are irregularly toothed or lobed, underneath whitish-scurfy: above 1-keeled, underneath with 5 small keels.

Spathes 2, outer one very small, incomplete, 2-edged, perforated at the apex, leathery; inner complete, almost woody, before dehiscence fusiform-clavate with a subulate cuspis, striate or sulcate, ferruginously scurfy, roughish, opening longitudinally, the margins becoming reflexed.

Spadix paniculately branched, spreading, nodding towards the point, here and there ferruginously scurfy; *branches* sub-secund, the primary ones suffulted by a broad short greenish *bracte*; the secondary (*spikes*) nodding, slender, gradually attenuated to the apex, the lower ones bearing female flowers towards the base, the upper male flowers throughout.

Flowers distichous, white. *Male flowers* either one on either side of the female or in pairs alone, oblong, sub-angular. *Calyx* small, tripartite to the middle; divisions tooth-shaped, erect, fleshy, membranous. *Petals* 3, oblong, coriaceous, boat-shaped, valvate. *Stamina* 6, shorter than the petals; *filaments* stout, subulate; *anthers* linear-oblong, adnate, extrorse attached near the base. *Pollen* lanceolate, 1-plicate, whitish. *Rudiment* of the *Pistillum* simple, conical.