

*Flowers* distichous, rather distant, one at each flexure, of the shape of a sugar loaf, small, suffulged by a small annular scale-shaped bracte, and two minute bracteoles. *Calyx* oblong, conical, of a thick substance at the base, with three short sub-cordate mucronate teeth with whitish membranous margins. *Corolla* oblong-ovate, a little longer than the calyx, divided nearly to the middle; segments erect rather obtuse. *Stamina* 6; *filaments* not adnate to the corolla, united into a cup surrounding the lower part of the ovarium, (free) very short; *anthers* ovate-sagittate, effete. *Ovarium* oblong-obovate, smooth at the base, where it is 3-celled, otherwise covered with scales. *Style* (common) scarcely any, the branches revolute from the base, subulate, stigmatose inside. *Ovula* solitary.

*Fruits* very numerous, of the size of a pea, surrounded at the base by the perianth, beaked by the hard persistent base of the style. *Scales* very numerous, minute, whitish with fuscous margins and points, which are incised. *Seed* baccate, erect, roundish-placentiform. *Tegument* thin; pulp gelatinous, thick opposite the *chalaza*, and in a less degree on the opposite face. *Raphe* of two divergent whitish branches, terminating about the middle of the ventral face of the seed. *Albumen* cartilaginous, solid, surface slightly unequal; opposite the *chalaza* is a shallow foveola, and a smaller and shallower one on the opposite face: on a long section it appears pulley-shaped. *Embyo* basilar, conical.

This appears to be a very distinct species, especially in its inflorescence. It has considerable affinities with *Calamus tenuis*, especially in the female spikes and flowers. I have dedicated it to my friend Mr. Masters, who is now investigating the Flora of Assam with great success.

36. (26) *C. ramosissimus*, (n. sp.) spinis — pinnis — spadicis supra-decompositi inermis pedunculo infra spathas ancipiti sursum teretiusculo areolato, spathis (terminalibus) membranaceis scaphiformibus, spicis gracillimis, floribus (masculis) numerosissimis, corolla calyce oblongo breviter tridentato duplo fere longiore.

HAB.—Uncertain.

DESCR.\*—*Spadix* unarmed, about two feet in length; peduncle flat and two-edged; internodes long, compressed, not two-edged, pitted from pressure of the flowers in bud. *Branches* the length of the internodes of the spadix, lowest about nine inches long, spreading, extremely divided; largest *branchlets* of lowest panicle about four inches long. The uppermost *spathe* two inches long, membranous, acute, smooth, boat-shaped. *Spikes* about an inch long, very slender, very flexuose with a scale-shaped bracte at each flexure: rachis triangular. *Flowers* extremely numerous, suffulted by the above bracte, and surrounded by a very shallow, oblique, oblong-ovate, cup, emarginate behind. *Calyx* oblong, with three very short rounded teeth. *Corolla* not quite twice the length of the calyx, divided nearly to the base; segments oblong, rather obtuse. *Stamina* 6, united to the corolla as far as the base of its segments; *filaments* (free) long, subulate, flat; *anthers* (included) obtusely sagittate. Rudiments of the *Pistillum* very long, nearly equalling the stamina, composed of 3 subulate distinct bodies.

This species approaches closely to *C. Jenkinsianus* from which it appears to be distinguished by the comparatively long internodes of the spadix, the lowest being distinctly 2-edged, by the very slender spikes, the obsolete cup, and rather longer calyx. It is one of those which establishes some degree of affinity, at least in inflorescence, with certain Gramineæ. The male flowers, moreover, of this and many others are not altogether unlike the flowers of such grasses as *Oryza* and *Blepharochloa*.

#### SECT. IV.—(CYMBOSPATHÆ.)

##### DÆMONOROPS AUCTORUM.

\* *Gymnospathæ*; *spathis inermibus* (*semi-apertis et secundis*.)

37. (27) *C. nutantiflorus*, (n. sp.) spinis —, pinnis linearibus equidistantibus supra carina centrali et venis lateralibus

\* Specimen: a male spadix (entire?) with very few flowers, and one terminal spathe.