

of fem. fl. short, not pedicelliform. *Albumen* (where known) equable. *Embryo* basilar.

A.—*Stem* erect. *Spadix* not produced into a flagellum.

4. *CALAMUS ARBORESCENS* Griff.—*C. hostilis* Hort. Calc. Burma.

5. *Calamus dongnaiensis* Pierre MS. (nomen tantum).—Caespitosus, subacaulis, frondibus magnis segmentis elongato-lanceolatis, 40-60 cent. longis, 8 cent. latis, supra viridibus et nitentibus, subtus vix pallidioribus, spadicebus ♂ valde elongatis, spathis primariis tubulosis apici dilaceratis, spathis secundariis apice subinflato lanceolato-auriculaeformi inermi spicis flexuosis 10-15 cent. longis, floribus (♂) majusculis 8-10 mill. longis, 3 mill. latis.—*C. arborescenti* valde affinis foliorum segmentis utrinque viridibus differt.

Lower Cochinchina (Pierre No. 4829).

6. *Calamus dilaceratus* Becc. sp. n.—Caespitosus? caudice erecto? spadices erecti late paniculati non flagelliferi, ramis (in flor. partialibus) erecto-patulis 25-35 cent. longis, spicis utrinque 8-10; spathae primariae breves laxae apice exsuccae et dilaceratae, spiculis rectis nigris armatae; spathae secundariae tubuloso-infundibuliformes lacero-fissae fuscescentes inermes; spicae 4-7 cent. longae parte pedicellari gracili inclusa 1-1.5 cent. longa praeditae; perianthium fructiferum in lobos 6 aequales partitum; fructus parvi late ovati, abrupte apiculati, 12 mill. longi, 9 mill. lati, squamis parvis pallide stramineis apice minute fimbriato-fuscescenti; seminibus ovatis utrinque rotundatis dorso convexis, ventre planiusculis, superficie aequabili, albumine homogeneo, embryo basilari.

Nicobar Islands (E. H. Man).

7. *CALAMUS CASTANEUS* Griff. Malayan Peninsula.

8. *CALAMUS GRIFFITHIANUS* Mart.—*C. castaneus* v. *a* Griff.

—Malayan Peninsula.

9. *Calamus Burckianus* Becc. sp. n.—Caespitosus; frondium petiolus subteres compressiusculus elongatus inermis; segmenta aequidistantia alterna numerosa lineari-ensiformia, majora 28-30 cent. longa, 12-13 mill. lata, utrinque viridia, supra distincte 3-nervia; inflorescentiae partiales spadiceis ♀ circiter 50 cent. longae, apici caudiculo inermi terminatae, spathis secundariis tubuloso-infundibuliformibus inermibus, spicis basi parte pedicelliformi inclusa praeditis, vermicularibus, flexuosis, 12-15 cent. longis; fructibus globosis abrupte apiculatis 9-10 mill. diam., seminibus laevibus late ovatis compressiusculis, dorso convexis, ventre umbilicatis, albumine aequabili, embryo subbasilari.

Java (Teijsmann in Herb. St. Pet.)

B.—Scandent. *Spadix* produced into a flagellum. (*Leaf-sheaths* sometimes flagelliferous?).

10. CALAMUS LONGISETUS Griff.—*C. tigrinus* Kurz.
—Burma; Andaman Islands.
11. CALAMUS THWAITESII Becc.—*C. longisetus* (not of Gr.)
Thw. Ceylon.
12. Calamus Zollingerii Becc. sp. n. Celebes.
13. CALAMUS RUDENTUM Lour. (Pierre Nos. 4845, 4846).
—Cochinchina.

GROUP III.—*Leaves* with many more or less equidistant leaflets; rachis not cirriferous. *Leaf-sheaths* flagelliferous. *Spathes* (primary and secondary) elongate-tubular strictly sheathing. *Spadix* with the partial inflorescences and often the spikelets with a pedicellar portion included in their respective spathes. *Fruiting perianth* explanate. *Spathellule* of the fem. fl. short, not pedicelliform. *Albumen* equable. *Embryo* basilar.

A.—Asiatic.

14. CALAMUS LEPTOSPADIX Griff. N.-E. India.

15. Calamus Henryanus Becc. sp. n.—Gracilis, scandens; frondium segmenta inaequidistantia, anguste ensiformia basi attenuata apici acuminatissima, utrinque in sicco pallide viridia, subtiliter longitudinaliter nervoso-striata, nervis 5 tenuibus percursa utrinque minute spinulosis, 35-40 cent. longa, 14-17 mill. lata; spadix foemineus strictus, spica elongata terminatus; spicis erectis sparsis (nec disticis) parte pedicellari inclusa praeditis, basilaribus elongatis; floribus numerosis erectis; spathae secundariae inermes; spathellae spathaceo-auriculaeformes; involucrophorum ad basin spathellae insertum; flos sterilis pedicello elongato persistenti suffultus, fructus parvi obovati abrupte rostrati, 12 mill. longi; perianthium fructiferum in lobos 6 subaequales usque ad basin partitum.

Yunnan; Szemao Mounts. (A. Henry, No. 12,239 in Herb. Calc.).

16. CALAMUS RIVALIS Thw. Ceylon.
- B.—African.

17. CALAMUS DEERRATUS Mann & Wendl.
—Western Tropical Africa.

18. Calamus Barterii Becc. sp. n. (Barter No. 110 in Hort.
Kew.) Western Tropical Africa.

19. Calamus Heudelotii Becc. sp. n.—Gracilis, caudice 2-3 met. longo; vaginae flagelliferae 1 cent. diam., spinis rectis brevibus semiconicis sparse armatae, in ore ligula oppositifolia triangulari 2