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CURTIS'S  
BOTANICAL MAGAZINE,

COMPRISING THE

Plants of the Royal Gardens of Kew,

AND

OF OTHER BOTANICAL ESTABLISHMENTS IN GREAT BRITAIN;  
WITH SUITABLE DESCRIPTIONS;

BY

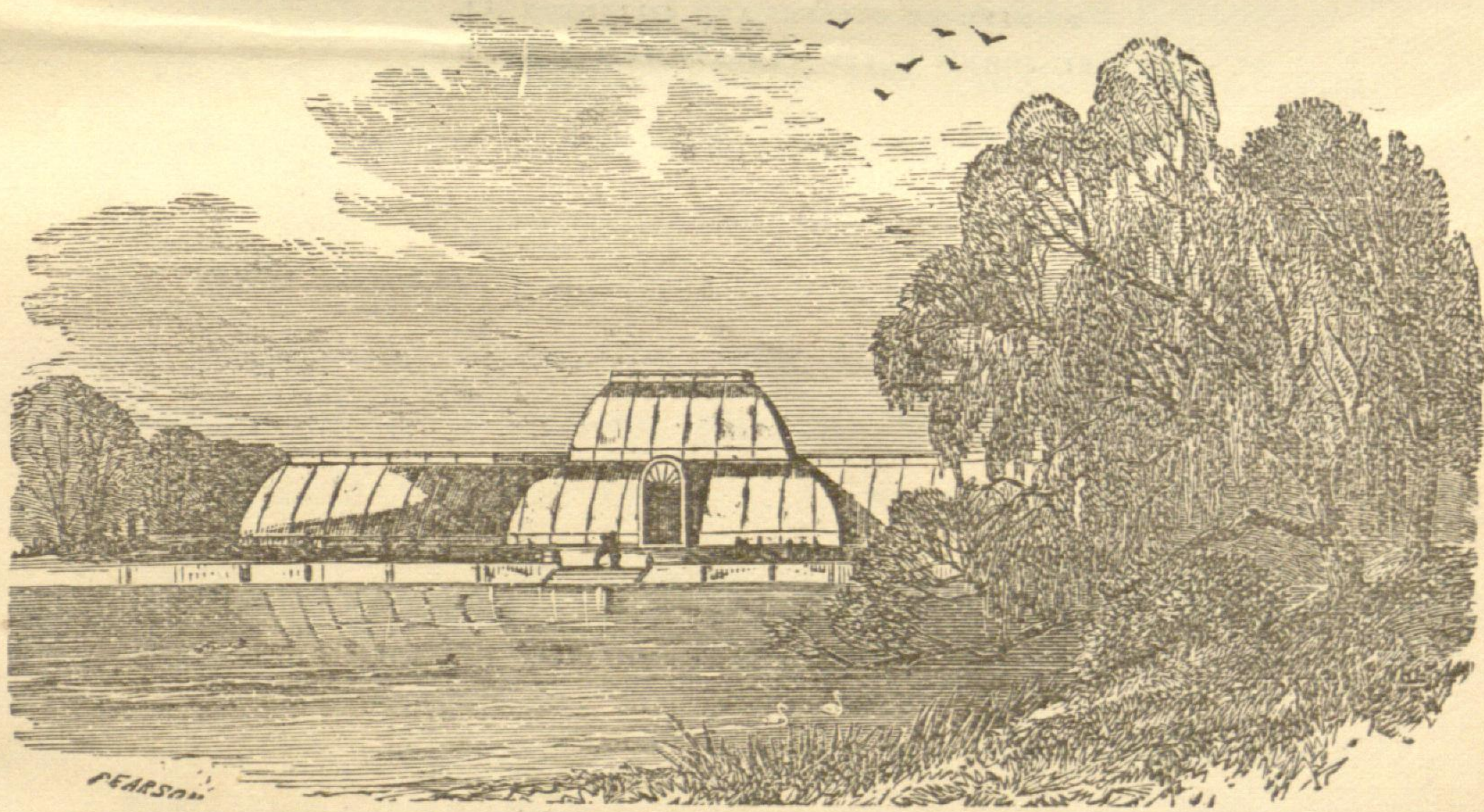
SIR JOSEPH DALTON HOOKER, M.D., C.B., K.C.S.I.,  
F.R.S., F.L.S., ETC.,

D.C.L. OXON., LL.D. CANTAB., CORRESPONDENT OF THE INSTITUTE OF FRANCE.

VOL. LII.

OF THE THIRD SERIES.

(Or Vol. CXXII. of the Whole Work.)



“Among the distant mountains, flower and weed,  
Which thou hast taken to thee as thine own,  
Making all kindness registered and known.”

WORDSWORTH.

LONDON:

L. REEVE & CO.,

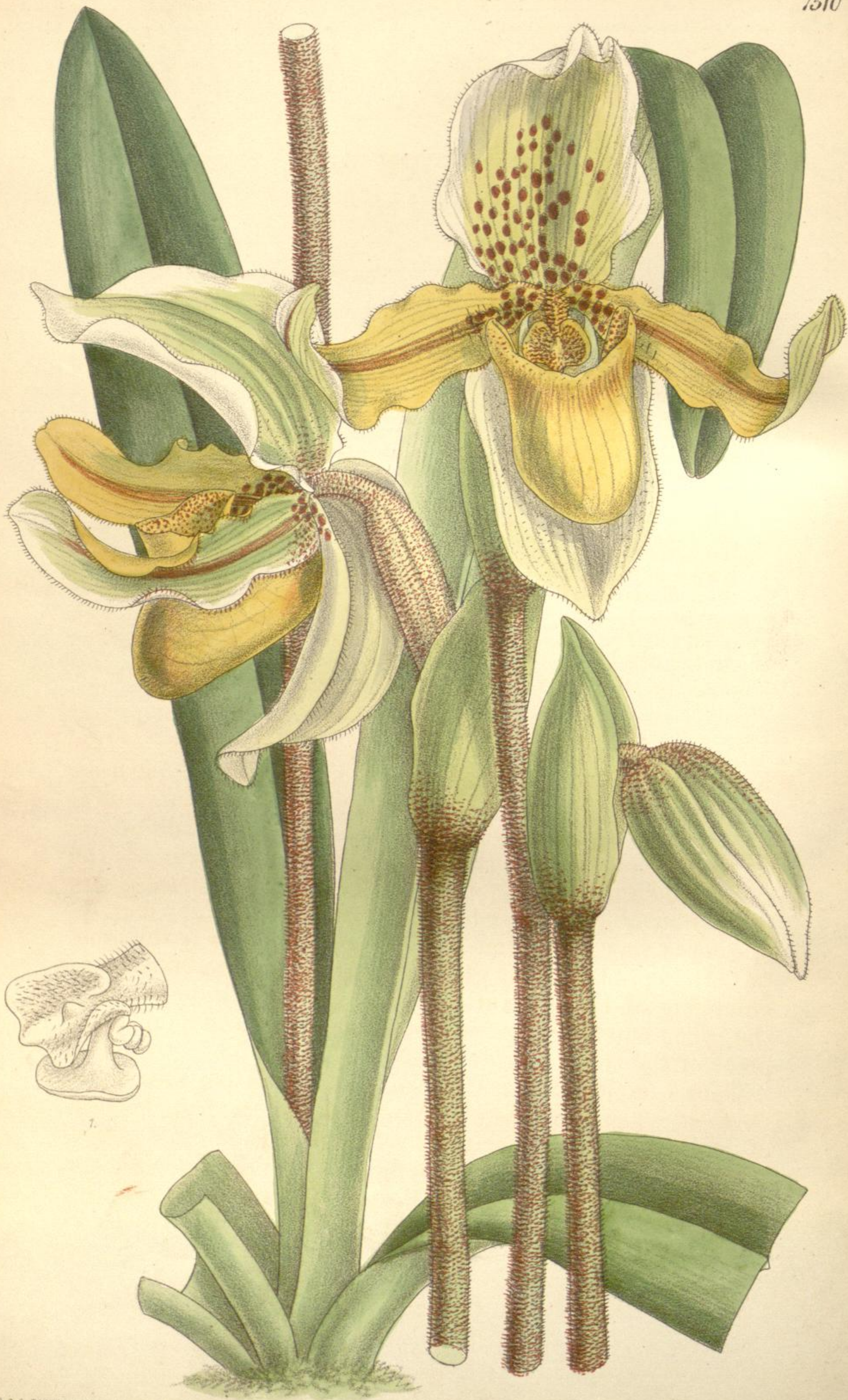
*Publishers to the Home, Colonial, and Indian Governments,*  
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1896.

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Mo. Bot. Garden,

1898.



M. S. del., J. N. Fitch lith.

Vincent Brooks, Day & Son Imp

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## CYPRIPIEDIUM EXUL.

*Native of Siam.*

Nat. Ord. ORCHIDÆ.—Tribe CYPRIPIEDIÆ.

Genus CYPRIPIEDIUM, *Linn.*; (*Benth. & Hook. f. Gen. Plant.* vol. iii. p. 634.)

CYPRIPIEDIUM (Coriaceæ) *Exul*; foliis 5-6 loriformibus glaberrimis laete viridibus, scapo elato robusto unifloro viridi cum ovario sepalisque dorso basi pube atro-rubro furfuraceo tomentellis, bractea ampla late cymbiformi herbacea glaberrima, ovario trigono rostrato, sepalis petalisque ciliolatis, sepalo dorsali amplo late oblongo apice incurvo subacuto marginibus undulatis albis, disco viridi maculis atro-rubris asperso, lateralibus in laminam amplam late oblongam pallide viridem obtusam confluentibus marginibus recurvis, petalis late loriformibus obtusis undulatis flavidis basi sanguineo maculatis, disco fascia rubra fere percurso, labello galeato lævi nitido sordide flavo, columna brevi pubescente, staminodio quadrato postice 2-lobo pubescente flavo purpureo punctulato, disco medio umbonato, stigmatate amplo orbiculari peltato.

*C. Exul*; *Rolfe in Journ. of Horticult.* (1892) vol. i. p. 301; *in Lindenia*, vol. vii. p. 81, t. 327 (var. *Imschootianum*); *O'Brien in Gard. Chron.* (1892) vol. i. pp. 522, 523, fig. 77; *Rolfe in Arch. Rev.* vol. iv. p. 271.

*C. insigne*, var. *Exul*; *Ridley in Gard. Chron.* (1891) vol. ii. p. 94.

*C. Exul* so closely resembles *C. insigne*, Wall., of the Khasia Hills (tab. 3412) that it may, I think, well be doubted whether Mr. Ridley was not right in referring it as a variety to that plant. The chief structural difference between them that I can detect, is in the form of the staminode and stigma; the staminode in *C. insigne* being more obovate, narrowed and entire posticously, and its stigma is very much smaller. The pubescence is the same in both, as is the great glabrous bract, and the scheme of colouring of the perianth, though differing in detail. On the other hand, *C. Exul* is much the larger and handsomer plant of the two.

Tonka, in the Siam Peninsula, is the native country of *C. Exul*, whence plants were sent to the Botanical Gardens of Singapore and described by Mr. Ridley, as cited above. The fine specimen of it here figured was obtained for the Royal Gardens, Kew, from Messrs. F. Sander & Co., St. Albans, in 1892. It flowered in a warm Orchid House in March.

*Descr.*—Stemless. *Leaves* few, six to ten inches long, by one to one and a half broad, strap-shaped, tip 2-toothed, bright green, dorsally keeled. *Scape* a foot high and more, stout, 1-flowered, green, clothed with a dark red purple furfuraceous pubescence, which extends to the ovary and bases dorsally of the sepals and petals. *Bract* nearly two inches long by three-fourths of an inch broad, cymbiform, shortly beaked, herbaceous, green, quite glabrous. *Flowers* four inches broad across the petals, and nearly as much between the tips of the dorsal and combined lateral sepals; segments ciliolate. *Dorsal sepal* one and a half inches long, upwards of an inch broad, arched, subundulate, white, with a pale yellow green disk spotted with red purple; lateral sepals confluent in a broadly oblong subacute herbaceous pale green blade, with recurved margins. *Petals* two inches long, by three-fourths of an inch broad, loriform, obtuse, waved, yellow with three red-purple median nerves and a few spots of the same colour at the base. *Lip* oblong, galeate, dirty yellow, smooth and shining, inflexed margins of the mouth punctate. *Column* short. *Staminode* quadrate, 2-lobed posteriorly, pubescent, disk with a central smooth umbo; stigma broad, circular, peltate.—*J. D. H.*

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Fig. 1, Column :—*Enlarged.*