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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

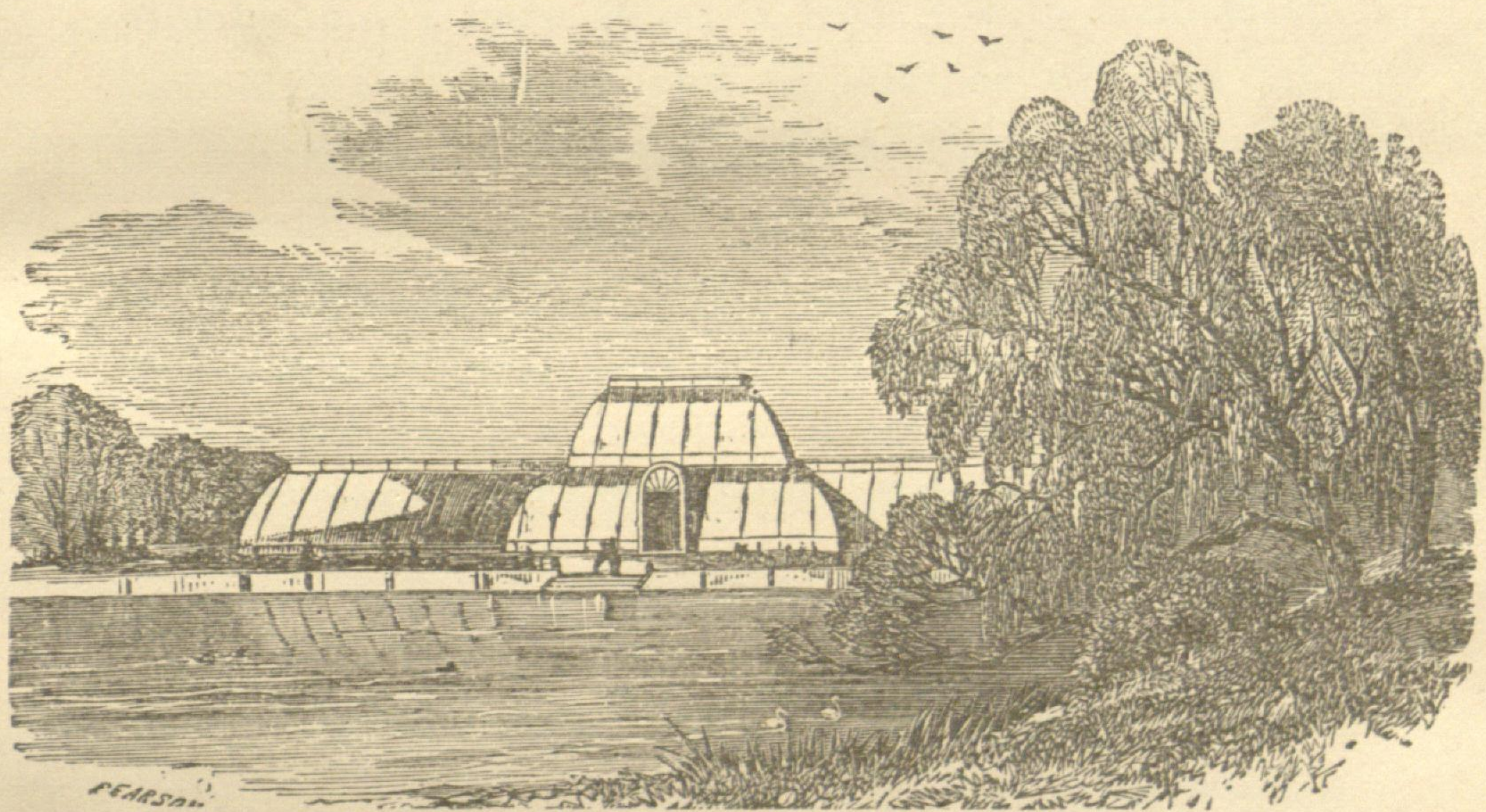
SIR JOSEPH DALTON HOOKER, M.D., C.B., G.C.S.I.,  
F.R.S., F.L.S., ETC.,

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

VOL. LIV.

OF THE THIRD SERIES.

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



“The genuine life  
That serves the steadfast hours,  
Is in the grass beneath, that grows  
Unheeded, and the mute repose  
Of sweetly-breathing flowers.”

LONDON:

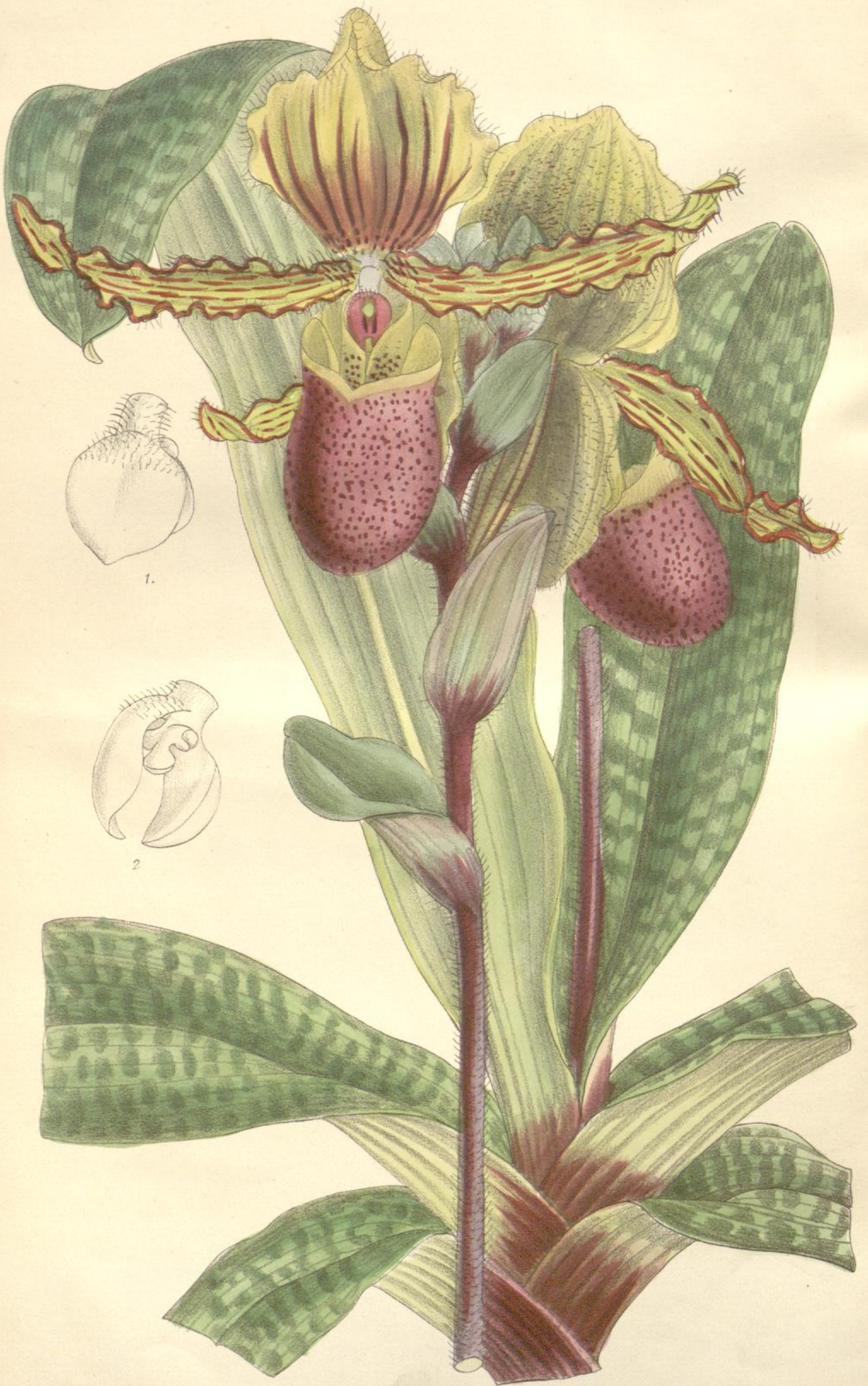
LOVELL REEVE & CO., LTD,

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

6, HENRIETTA STREET, COVENT GARDEN.

1898.

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TAB. 7578.

PAPHIOPEDILUM CHAMBERLAINIANUM.

*Native of Sumatra.*

Nat. Ord. ORCHIDÆ.—Tribe CYPRIPEDIÆ.

Genus PAPHIOPEDILUM, *Pfitzer (Morphol. Stud. Orchid. p. 11.)*

PAPHIOPEDILUM *Chamberlainianum*; elatum, robustum, foliis lineari-oblongis obtusis tessellatis, scapo robusto fusco-purpureo superne hirsutulo, racemo multifloro demum elongato diu florente, rachi robusto glanduloso-tomentoso, bracteis magnis herbaceis cymbiformibus apice rotundatis viridibus basi purpureis persistentibus, ovario gracile stricto breviter pedicellato tomentoso, floribus amplis, sepalis viridibus dorso hirsutis, dorsali orbiculari  $\frac{1}{2}$ -poll. lato, apice convoluto, marginibus undulatis ciliatis intus basi et nervis 5-7 purpureis, lateralibus in laminam ellipticam labello multo brevioribus connatis, petalis  $2\frac{1}{2}$  poll. longis divaricatis linearibus viridibus subtortis marginibus crispato-undulatis purpureis ciliatis, disco lineis purpureis interruptis notato, labelli sacco inflato roseo-purpureo creberrime punctulato, ore colloque virescente, staminodio late ovato, basin versus setuloso.

*P. Chamberlainianum*, *O'Brien, ex Pfitzer in Engl. Bot. Jahrb.* vol. xix. (1895) 41. *Rolfe in Orchid. Review*, vol. iv. (1896) p. 4 (*Paphiopedium*). *Kerchof, Livre des Orchid.* p. 454 (*Paphiopedium*).

*Cypripedium Chamberlainianum*, *O'Brien in Journ. Hortic.* vol. xxiv. (1892) pp. 104 et 294, fig. 49; *in Gard. Chron.* 1892, vol. i. p. 234, fig. 34. *Pucci in Bull. Soc. Tosc. Ort.* vol. vii. 1892, p. 88, t. 3 (*ic. Gard. Chron. repet.*). *Pynaert in Rev. Hortic. Belg.* vol. xviii. (1892) p. 101, fig. 10 (*ic. Gard. Chron. repet.*). *Duren, l. c.* vol. xix. (1893) p. 141, *cum ic. pict. Journ. Hortic. Ser. III.* vol. xxx. p. 432. *The Garden*, vol. xlv. (1893) p. 304, *cum ic. Williams' Orchid. Grower's Man.* Ed. VII. p. 242. *Kranzl. in Reichb. Xen. Orchid.* vol. iii. p. 145, t. 284.

The nearest ally of the magnificent Orchid here figured is *P. Victoria-Mariæ*, Rolfe (t. 7573) under which species I have given the reasons for adopting the unfamiliar generic name of *Paphiopedilum*. Both are natives of Sumatra, in both the raceme is, as it were, perennial, continuing for a year or more to give off a succession of flowers, of which one, two, or rarely three, are open at a time. In this respect, and those of the mottled leaves, the stout, dark purple scape, large boat-shaped herbaceous bract, orbicular green upper sepal, twisted petals, and open mouth of the lip, the two species agree; but *P. Chamberlainianum* differs in the much broader, shorter leaves, much more inflated lip, the almost orbicular

FEBRUARY 1ST, 1898.

staminode, and in the coloration of the flower. The sketch of the whole plant given in the *Gardener's Chronicle* represents the scepteriform raceme, upwards of twenty inches long, with expanded flowers below, followed by a series of many empty bracts above, bearing apparently neither buds, flowers, nor fruit, quite unlike any other orchideous plant known to me. Mr. Rolfe informs me that Messrs. Sander showed him a native dried specimen with thirty-two bracts on the raceme. The fine figure in the *Gardener's Chronicle* represents a plant with larger flowers than that here figured, much broader petals strongly twisted, and with margins neither undulate, ciliate, nor purple.

*P. Chamberlainianum* was imported from Sumatra by Messrs. Sander & Co., and named by Mr. O'Brien in honour of the Right Honourable the Secretary for the Colonies, who is distinguished no less for his public services than for his devotion to horticulture. The specimen figured flowered in the Orchid House of the Royal Gardens, Kew, in March, 1897.

*Descr.*—A very robust, tall species. *Leaves* eight to ten inches long, by one and a quarter to nearly two inches broad, obtuse or subacute, coriaceous, bright green, tessellated with darker green above, pale beneath, with a stout midrib. *Scape* eight to twelve inches high, dark purple-brown, hairy upward. *Raceme* many-flowered, continuously flowering; rachis stout, glandular-tomentose with spreading hairs, dark red brown. *Bracts* one and a half inches long, boat-shaped, tips rounded, strongly nerved, green; dark purple at the base, ciliate. *Ovary* very shortly pedicelled, one and a half inches long, strict, densely glandular-tomentose. *Sepals* green, dorsally hirsute; dorsal nearly orbicular, an inch and a half in diameter, margins undulate, ciliate with long hairs, seven-nerved, red-purple in front towards the base, and with red-purple nerves; lateral sepals connate in an elliptic-oblong blade, smaller than the dorsal, and much shorter than the lip. *Petals* two and a half inches long by one-third of an inch broad, linear, more or less twisted obtuse, green, with strongly waved or crisped ciliate, dark purple margins, and with parallel lines of purple spots on the disk. *Lip* an inch and a half long, by

nearly an inch in diameter, inflated, slightly contracted below the open mouth, rose-colrd., speckled with dark red, except around the green mouth and subacute posterior angles. *Staminode* rather small, ovate, apiculate, purplish.  
—*J. D. H.*

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Fig. 1, Upper and 2, side view of staminode and stigma :—*Both enlarged.*



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