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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

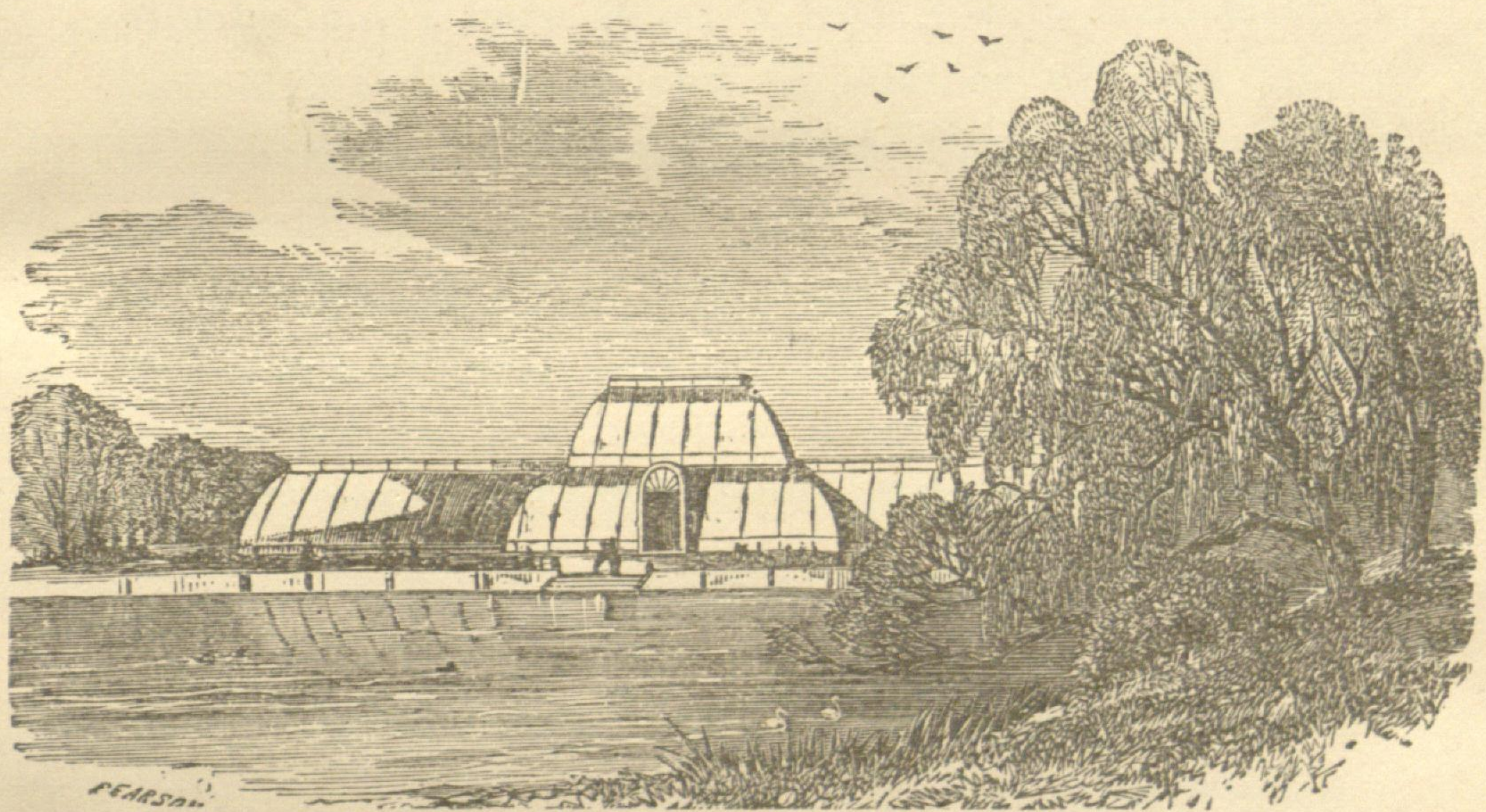
SIR JOSEPH DALTON HOOKER, M.D., C.B., G.C.S.I.,  
F.R.S., F.L.S., ETC.,

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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Vincent Brookes, Day & Son, Lit<sup>d</sup> Imp

L. Reeve & Co. London

## PAPHIOPEDILUM MASTERSIANUM.

*Native of Java.*

Nat. Ord. ORCHIDÆ.—Tribe CYPRIPEDIÆ.

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

PAPHIOPEDILUM *Mastersianum*; robustum, foliis late lineari-oblongis obtusis supra tessellatis subtus pallidis, scapo valido rufo-brunneo pilis patentibus purpureis hirsuto 1-2-floro, floribus magnis 4 poll. latis, perianthio crassiusculo, bracteis  $1\frac{1}{2}$  poll. longis cymbiformibus herbaceis, ovario fere tripollicari angulis hirsutis, sepalo dorsali erecto 2 poll. lato orbiculari ciliolato intus stramineo viridi striato nervis dorso hirsutis, lateralibus in laminam minorem viridem late ovatam obtusam labello brevioribus confluentibus, petalis sepalis longioribus divaricatis lineari-oblongis apice rotundatis fusco-purpureis ciliatis basin versus verrucis purpureis ornatis, labello sacciformi fusco-purpureo versus orem subdilatum amplum flavido, marginibus inflexis punctatis, staminodio parvo viridi ambitu orbiculari hippocrepiformi cuspidibus acutis.

C. *Mastersianum*, *Pfitz. in Engl. Bot. Jahrb.* vol. xix. (1895) p. 40.

*Cypripedium Mastersianum*, *Reichb. f. in Gard. Chron.* 1879, vol. ii. p. 102, *Masters, l. c.* 1894, vol. i. p. 593, t. 74. *Veitch, Man. Orchid.* part. iv. p. 39. *Lindenia*, vol. iv. t. 159. *Rolfe in Orchid. Rev.* vol. ii. p. 17, fig. 4.

A very robust and large-flowered species of the extensive genus *Paphiopedilum*, first described by Reichenbach in 1879, from a plant the native country of which was then doubtful, but which country Mr. Rolfe has ascertained to be Java, from a communication with Messrs. Low, who recently imported it from that island.

My reasons for adopting Pfitzer's generic name of *Paphiopedilum* are given under Tab. 7573. I think they are botanically unassailable, nevertheless I do not object to the substitution of *Cypripedium* for it, in common parlance, just as I do of *Aster chinensis* for the "China Aster," though that plant differs by important characters from all the species of that vast genus, and is known to botanists as *Callistephus hortensis*. The plant of *P. Mastersianum* here figured, which flowered in the Tropical Orchid House of the Royal Gardens, Kew, in March, 1898, was obtained from Messrs. F. Sander & Co. It is a noble species, named in compliment to Dr. Masters, F.R.S., through whose exertions, following those of his

predecessor, Dr. Lindley, the *Gardener's Chronicle* has done more to extend a knowledge of the *Orchideæ* than any other periodical.

*Descr.*—Tall, very robust. *Leaves* six to nine inches long, by one and a half broad, linear-oblong, obtuse, tessellate above with dark and very pale green, very pale beneath. *Scape* stout, a foot to a foot and a half high, very dark red purple, hirsute with dark, spreading hairs, one to two-fl. *Bracts* an inch and a half long, cymbiform, herbaceous, erect, dark green, dorsally hirsute on the keel and towards the base. *Flower* three inches across the petals, segments of perianth of a very thick texture. *Dorsal sepal* erect, orbicular, two inches broad, pale yellowish within, streaked with green from the base to three-fourths of its breadth, dorsally with hairy ribs. *Petals* spreading, linear-oblong, three-quarters of an inch broad, tip rounded, dull purplish brown, green, and marked with minute purple warts towards the base. *Lip* a large, inflated sac, of a dull red-purple colour, yellowish towards the somewhat dilated truncate mouth, inflected margins dotted. *Staminode* small, greenish, orbicular in outline, horse-shoe-shaped, with the incurved cusps acute, upper margin bifid. *Ovary* nearly three inches long, narrow, erect, ribs hispid with purple hairs.—*J. D. H.*

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Fig. 1, Staminal column :—*Enlarged.*