

THE

GARDENERS' CHRONICLE.

A Weekly Illustrated Journal

OF

HORTICULTURE AND ALLIED SUBJECTS.

VOL. XII.—NEW SERIES.

JULY TO DECEMBER, 1879.

LONDON:

41, WELLINGTON STREET, COVENT GARDEN, W.C.

1879.

GARDENERS' CHRONICLE.

Established 1841.

A WEEKLY ILLUSTRATED JOURNAL OF HORTICULTURE AND ALLIED SUBJECTS.

No. 291.—VOL. XII. { NEW SERIES. }

SATURDAY, JULY 26, 1879.

{ Registered at the General Post-office as a Newspaper. } Price 5d. POST FREE, 5 1/2d.

CONTENTS.

Adiantum Williamsi (with cut)	104	Orange, a malformed (with cut)	117
Ale from herbs	115	Orchids, Mexican	107
Apiary	121	Pampesford	103
Ariseema galeatum	102	Paronychia argeotica	114
Books, notices of	118	Peach trees and aphids	114
Cape Town, notes from	118	Pelargoniums	104
Carnations and Picotees	114	Pitcairnia Andreaea	114
Climbers for cold greenhouse	116	Plant portraits	118
Cuckoos and wagtails	116	Plants, new garden	102
Cypripedium Mastersianum	102	Potata disease, the	114
Eucalyptus coccifera (with cut)	113	" tubers, bud.. .. .	116
Flora of the European Alps, origin of the	104	Poultry yard, the	109
Florists' flowers	109	Powderham Castle, Eucalyptus at (with cut)	113
Flower boxes (with cuts)	108	Rose show in August	116
Forestry	110	Roses on their own roots	117
Fruit prospects	117	Saccolabium garwalicum	102
Fungi, poisoning by	117	Sempervivums, synopsis	107
G. rdea edgings	114	Snails and slugs	116
Garden operations	110	Societies:—	
Glazing, a new plan of (with cut)	116	Diss Horticultural	120
Gnaphalium dioicum	116	Kendal	120
Iris Kämpfeii	114	Newcastle Botanical and Horticultural	121
Lælia Philbrickiana	102	Royal Horticultural	119
Lilac flowering from new wood	115	Tonbridge	120
Lilium giganteum	117	Woodbridge	119
Lurula albida	116	Strawberry James Veitch Strawberry runners	117
Madras Agri-Horticultural Society	115	Swellings on the roots of plants	112
Masdevallia, extraordinary	114	Thymus gigantea	106
Mealy-bug on Grapes	117	Thymus rotundifolius	106
Miss North's drawings	114	Weather, the	122
		Yew tree, the	101
		Yorkshire, fruit crops in	117

Now Ready, in cloth, 16s.,

THE GARDENERS' CHRONICLE,
Volume XI., JANUARY to JUNE, 1879.
W. RICHARDS, 47, Wellington Street, Strand, W.C.

WESTON-SUPER-MARE and EAST SOMERSET HORTICULTURAL SOCIETY.
The SEVENTH ANNUAL EXHIBITION of this Society will be held at Weston-super-Mare, on WEDNESDAY, July 30. TWO HUNDRED POUNDS in Prizes. Schedule of Prizes on application to
W. B. FRAMPTON, Sec.

LIVERPOOL HORTICULTURAL ASSOCIATION.
GRAND SHOW OF FLOWERS, FRUITS and VEGETABLES, in Sefton Park, Liverpool, on SATURDAY and MONDAY, August 2 and 4. Prizes, THREE HUNDRED POUNDS. Entries must be sent in before July 28, to
DAVID THOMSON, Sec.
69, St. Albans, Everton, Liverpool.

THE ROYAL SOUTHAMPTON HORTICULTURAL SOCIETY.
President—H. R. H. Prince LEOPOLD.
ANNUAL GRAND SUMMER SHOW, AUGUST 2 and 4. TWO HUNDRED and FIFTY POUNDS in Prizes, including a valuable Cup presented by H. R. H. the President.
Last Day for Entry, Monday, July 28.
39, York Street, Lower Avenue. C. S. FUIDGE, Sec.

CLAY CROSS HORTICULTURAL SOCIETY.
ANNUAL EXHIBITION, August 12. Prizes, THREE HUNDRED and FIFTY POUNDS. For 20 Plants, £25, £20, £15, £10 and £5. Entries Close, August 4.
Clay Cross, near Chesterfield. J. STOLLARD, Sec.

TAUNTON FLOWER and FRUIT SHOW,
THURSDAY, August 14.
TWO HUNDRED and FIFTY POUNDS in Prizes.
CLEMMENT SMITH, Hon. Sec.

MAIDENHEAD HORTICULTURAL SOCIETY.
The ANNUAL SHOW OF FLOWERS, FRUITS, &c., will be held on THURSDAY, August 14, in the Hambletonian Hall and Grounds, Maidenhead. Entries close August 7. Schedules may be had on application to the Secretary,
Mr. H. J. MOUNT.

GRAND FLOWER, FRUIT, and VEGETABLE SHOW will be held on SATURDAY, MONDAY, and TUESDAY, August 23, 25, and 26, in connection with the Newton Heath and Falsworth Friendly Societies' Fête and Gala. £100 in Prizes. Entries close July 26. Prize List and Forms of Entry can be had on application to
Mr. A. ALLANSON, 77, Church Street, Newton Heath, Manchester.

WELLINGBOROUGH.—A FLORAL and HORTICULTURAL FÊTE will be held adjoining the Northamptonshire Agricultural Society's Show, SEPTEMBER 11 and 12, when over TWO HUNDRED POUNDS will be offered for competition. For Schedules and other information, apply to
J. PENDRED, }
G. F. BEARN, } Hob. Secs.
C. WATKIN. }

SUTTON'S CHOICE STRAINS OF FLORIST'S FLOWERS, POST-FREE.
CALCEOLARIAS—Sutton's Perfection, 5s. and 2s. 6d. per packet; Sutton's Little Wonder, 5s. and 2s. 6d. per packet.
CINERARIA.—Sutton's Superb, 5s. and 2s. 6d. per packet.
PRIMULAS.—Sutton's Ruby King, 5s. per packet; Sutton's Prize, 5s. and 2s. 6d. per packet.
CYCLAMEN.—Sutton's Giganteum, 5s. and 2s. 6d. per packet. The Queen's Seedsmen, Reading.

Hyacinths, Tulips, Lilies, &c.
WHOLESALE CATALOGUE of the above is now ready, and may be had free on application to
BUDDENBORG BROS., Bulb Growers, at The House, Bloemswaard, Hillegom, near Haarlem, Holland.

To the Trade.
RAPE SEED and WHITE MUSTARD.
H. and F. SHARPE have fine samples of the above Seeds suitable for sowing purposes, which they will be glad to submit with quotations on application. Seed Growing Establishment, Wisbech.

LILY OF THE VALLEY.—Extra fine and strong crowns for forcing, at 45s. per 1000, free to ship. Also Christmas ROSES, Roman HYACINTHS, and HOTEIAS, all for forcing, in strong roots, at low prices. Ask for CATALOGUES.
ROBERT NEUMANN, The Nurseries, Erfurt, Germany.

Tea and other Roses in Pots.
WM. CUTBUSH and SON have a very fine lot of the above to offer, in all the best sorts. Prices on application.
Highgate, London, N.; and Barnet, Herts.

TEA ROSES in POTS.—A Gentleman wishes to dispose of a number of large very fine Plants of most of the leading sorts, well established in pots, for which he has not sufficient space. Address,
JAMES HOWELL, Lily Cottage, Roehampton, Surrey.

TEA and NOISETTE ROSES in pots, for planting out during spring and summer, or for conservatory decoration all the year round; also new FRENCH and ENGLISH ROSES in pots. The above are a special feature in our Nurseries, and our stock is one of the largest, finest and healthiest in the country. Write for a Pot Rose LIST to
EWING and CO., The Royal Norfolk Nurseries, Eaton, near Norwich.

STRAWBERRIES.—Strong Roots for fruiting next year, 4s. per 100. Descriptive LIST on application.
RICHARD SMITH and CO., Nurserymen, Worcester.

To the Trade.—Just arrived, extra fine CUBA BAGS and JAPAN FLAX.
For price apply to
Messrs. MINIER, NASH and CO., 60, Strand, W.C.

Fibrous Peat for Orchids, &c.
BROWN FIBROUS PEAT, best quality for Orchids, Stove Plants, &c., £6 6s. per truck. BLACK FIBROUS PEAT, for Rhododendrons, Azaleas, Heaths, American Plant Beds, 75s. per ton. Delivered on rail at Blackwater, S. E. R., or Farnborough, S. W. R., by the truckload. Sample bag, 4s.; 5 bags, 20s.; 10 bags, 36s. Bags, 4d. each. Fresh SPHAGNUM, 10s. 6d. per bag.
WALKER and CO., Farnborough Station, Hants.

COCOA-NUT FIBRE REFUSE, as supplied to the Royal Horticultural Society.—Four-bushel bag (bag included), 1s.; 30 bags (bags included), 20s.; truck free to rail, 25s.
T. RICH (late Finlayson & Hector), Cocoa-Nut Fibre Works, 24 and 25, Redman's Row, Mile End Road, London, E.

ORCHID BASKETS (great reduction in).—Teakwood Rods, rounded edges, made with strong copper or galvanised wire. Every kind made for growing Orchids, at 50 per cent. less than usually charged. Sample sent carriage free on receipt of twelve stamps. TEAK RODS supplied prepared and drilled, ready for making up.
ALFRED GRANT and CO., Steam Works, 39 1/2, Leather Lane, London, E.C.

Gentlemen's Gardeners, Amateurs, and Others REQUIRING
GARDEN POTS of best quality, are requested to send their orders to
J. MATTHEWS, Royal Pottery, Weston-super-Mare. Price List on application.

A Portable Span-roof GREENHOUSE or CONSERVATORY for SALE. 20 feet by 10 feet. Price £45, including carriage and fixing. For plans,
R. STEVENS, Horticultural Builder, Bromley, Kent.

STEPHANOTIS FLORIBUNDA.—A magnificent Plant growing in a tub, can be removed without risk, covering a trellis 8 feet by 40 feet, late the property of a private Gentleman, will be SOLD or EXCHANGED for ROSES in pots, or EUCHARIS AMAZONICA, as the house is required for other plants. For price, &c., apply to
TAYLOR and CO., Timperley, Cheshire.

WANTED, during the season, ROSE BUDS for budding, from 100 to 500 of a sort.
M. A. B., Messrs. Dixoa & Co. Seed Merchants Noorgate Street, London, E.C.

DOWNIE and LAIRD, Edinburgh, have in their Pink Hill Nursery, at present, over 18,000 PANSIES in bloom. Inspection invited.

NICOTIANA LONGIFLORA.—A deliciously fragrant plant with pure white flowers; one will scent a whole house; easily cultivated, almost perpetual bloomer. Packet of seeds, with cultural directions, price 7d. Stamps with order.—W. J. MARSH, Woodbridge, Suffolk.

TREE FERNS for SALE.—Two splendid specimens of DICKSONIA ANTARCTICA. Length of leg, 4 feet 2 inches; length of some of the fronds, 6 feet 2 inches, about 17 fronds on each. The Ferns are in wooden boxes, specially made for the purpose. Price on application. Apply to Capt. HALFORD THOMPSON, 9, Colleton Crescent, Exeter.

Phoenix reclinata.
M. A. VAN GEERT, Continental Nurseries, Ghent, Belgium, begs to offer fresh Seed of the above splendid Ornamental PALM, at 40s. per 1000.

DOUBLE WHITE GERANIUM "MADAME AMELIE BALTET," the best double white out; plants shook out of thumbs, 6d. each, 4s. per dozen, free by post; large plants in 4 1/2's, 2s. each, exclusive of carriage, for cash with order from
J. L. WATSON, Manor Road Nursery, Gravesend.

To the Trade.
NEW and RARE HARDY PLANTS.—Anthericum liliatum major vera, Senecio pulcher, Primula caschmeriana and P. rosea (First-class Certificates), Pæony tenuifolia plena, and Adonis pyrenaica. See TRADE LIST for Prices of these and many others, free on application.
Hale Farm Nurseries, Tottenham, London.

Ten Thousand CAMELLIA STOCKS for Sale.—Strong Plants, from cutting beds, 20s. per 100; strong Plants, established in small pots, 30s. per 100. Also 10,000 NARCISSUS TAZETTA, LA BELLE NORMANDE, at 20s. per 1000; and 50,000 NARCISSUS POETICUS, true, at 15s. per 1000.
CHARLES B. SAUNDERS, Nurseryman, Jersey.

AMERICAN TUBEROSES, extra fine, also PEARL (improved variety). Special low quotations on application. Roman HYACINTHS, NARCISSUS, various; double SNOWDROPS, extra fine; LILium chalcedonicum, orange, and candidum, double PRIMROSE Roots, and straw-coloured HYACINTHS, &c.
WATKINS and SIMPSON, 1, Savoy Hill, Strand, W.C.

SAXIFRAGA WALLACEI.
Two First-class Certificates in London and Edinburgh. "A handsome Alpine." "One of the finest ornaments of the Rock Garden." Should be grown by every one. For full description see The Garden of May 31 and also June 14.
DICKSONS and CO., Nurserymen, &c., 1, Waterloo Place, Edinburgh, are now booking Orders for the above, and also for BEDDING VIOLAS and PANSIES for autumn planting. Price per dozen or per 100 on application.

Spiræa palmata.
BUDDENBORG BROS., Bulb Growers at The House, Bloemswaard, Hillegom, near Haarlem, Holland, beg to announce to the Trade that they have on hand a very large and healthy stock of the above, and will be pleased to give particulars on application.

ORCHIDS.—The most popular kinds, either established, semi-established, or imported. For particulars, see our Descriptive LIST No. 44, just published. The NEW PLANT and BULB COMPANY, Colchester.

ILLUSTRATED CATALOGUE OF FERNS.
The above, comprising 80 pages of illustrations, synonyms, "Notes on Cultivation," &c., is the most complete Fern List in the Trade, and will be forwarded on application. Postage 2d. Ferns being our Speciality, and having an immense stock, we are able to supply them at the most reasonable prices.
W. and J. BIRKENHEAD, Fern Nursery, Sale, near Manchester.

Vines—Vines—Vines.
J. COWAN, the Vineyard and Nurseries, Garston, near Liverpool, is now offering splendid strong healthy VINES, from eyes this year, suitable for summer planting. CATALOGUES free. The Trade supplied.

FRUITING PLANTS OF PEACHES, NECTARINES, APRICOTS, and GRAPE VINES, a large and fine stock, now offered for Sale.
THOMAS RIVERS and SON, Sawbridgeworth, Herts.

Cabbage, Enfield Market.
W. CROWDER, The Thimbleby Nurseries, Newcastle, has the above to offer to the Trade. Grown from selected Cabbages.—July 22.

VEITCH'S AUTUMN GIANT CAULIFLOWER PLANTS, at 10s. per 1000. Cash to accompany order.
ALFRED COCKERILL, Wholesale Market Gardener, 20, Drapery, Northampton.

Heating by Hot Water.
Success in all cases, using the
IMPROVED CONICAL BOILERS for Heating Con-servatories, &c.
POLLARD and CO., Sole Manufacturers, Bear Garden, Park Street, Southwark, S.E. Illustrated Price Lists post-free.

instruments of warfare, and for field sports: but the days of the tough Yew-bow are gone by, the trade of the bowier, fletcher, &c., are extinct; for the art of archery, the bow and the shaft, are now only seen as playthings in the hands of young ladies and gentlemen. The change in the use of the bow now-a-days, when compared with what it was in days of yore, is a wonderful example of the mutability of manners and customs, for we read of English skill with the bow at Cressy and Poitiers 500 years ago, and at Agincourt, and in the wars of York and Lancaster. Now, if the heroes of those days were to be raised from their slumber under the Yew trees, and see an army accoutred for modern warfare with guns measured by weight in tons, and with a range reckoned by miles, surely they would say that, with such engines, the battle could no more be to the strong, and against such destruction "men were brave in vain."

So late as in the days of Queen Elizabeth, the bowiers, in 1570, petitioned that lady to enforce in their favour a statute of Henry VIII., enjoining every man to have a bow in his house, and every able-bodied man was to practise the art of archery, and not only have a 6-foot bow in his house, but know how to use it as a weapon of defence, and, if need be, a brand for battle fray.

But what more immediately concerns the planter now-a-days, is to enquire after the peaceful uses of the Yew tree as an evergreen to shelter and adorn the landscape. The unfading verdure of the Yew trees has for many years been duly appreciated. The monks, who were the chief gardeners and planters before the change of religion, have left us some splendid samples of Yew hedges in their pleasure-grounds and Yew trees in their churchyards; and Lord Harrington, aided by the original talent and skill of Mr. Barron, took up the broken fortunes of the Yew family, and brought them together at Elvaston, where they astonished all the world.

The magnificent Yew trees in Gresford churchyard, high, wide, and hollowed with age, must have been planted long before the Reformation, and, if so, attest the ancient Churchman's taste for Yew trees. There were some good samples of Yew arbours in Lord Stanley of Alderley's garden; one was high, overarched, and at the time that I had charge of the garden it was the burial-place of the favourite lap-dogs of the family; yet this respect for beasts did not equal that of the Duke of Northumberland, for his favourite monkey, "Joko" had a headstone over his grave and a Latin inscription, beginning *Hic simia* (this monkey).

At no time of the year can a more effectual shelter to a garden be found than a Yew hedge, for it sifts the wind and does not form eddies like a wall; and the reason why it is so seldom seen is very easily given, for it costs much and grows slowly, and few have the patience to wait twenty or thirty years for the issue of their plantation. The Rowan tree will bring a return of crate wood in less than twenty years; the Larch, in like manner, will yield posts and rails and railway sleepers in thirty years, and some of the Poplars in fifteen years will bring in a good revenue of wood for clog-soles; but he that plants Yew trees does so for posterity. The wood, when green, weighs about 80 lb. per cubic foot, and when dry about 60 lb. The fineness of its grain is owing to the thinness of its annual layers. In a piece only 20 inches in diameter, 280 annual layers were counted. It is allowed to be the finest European wood for cabinet-making purposes. Tables made of Yew when the grain is fine are far more beautiful than tables of Mahogany. The root part is said to vie with the ancient Citron. It is generally employed for veneers and for inlaid work, and is used by the turner for musical

instruments, snuff-boxes, &c. The Yew when wholly buried in the earth becomes almost incorruptible, being found only a little blackened and heavier after lying a century under-ground, and so exceedingly valuable is the wood of a large sound Yew tree that one at Box Hill was valued at £100.

The legends connected with the long bow would fill volumes, this weapon being the principal one used by the ancient Britons in all their wars. The time has been when Venetian ships were obliged to import into this country ten bow staves with every butt of wine, and no one was allowed to export Yew on any consideration.

In conclusion, then, I would state that although the Yew tree has hitherto been a dweller with the dead, it is now used as a truly elegant evergreen, and Yew hedges, broad and high, may be seen in some of the finest seats in England. The old Yew trees scattered all over the country are venerated, as well they may after a life of a thousand years. In planting, or, properly speaking, in sowing Yew trees, the following example is worthy of notice. Whoever has travelled from Buxton to Bakewell, either by road or rail, must have seen some dark green Yew bushes hanging out from the face of the limestone rocks; now this is really rockwork natural and no sham; the chinks of the rock get filled in time with vegetable mould, and the Yew berry, whether by accident or design, gets possession, and the effect may be seen. How easily therefore could such Yew bushes be planted or sown on precipitous places away from cattle, and thus make even the barren rock put on a mantle of green.

On Palm Sunday the Catholic Church distributes twigs of Willow and Yew in commemoration of Christ's triumphal entry into Jerusalem. This truly time-honoured tree, then, has earned for itself a name, for it has supplied the Palm for high ceremonial in the church, the bow for warfare in the field, and we often see some venerable Yew tree in the lone churchyard as if it were chief mourner and held the pall over the domain of Death. *A. Forsyth.*

New Garden Plants.

ARISEMA GALEATUM, *N. E. Br.*

This is an Aroid with the habit, and a leaf that is much like the leaf of *A. speciosum*, though not so distinctly bordered with purple; but it is very distinct from all the described Indian species, in its curious cucullate-galeate spathe, with a terminal pendent folded lobe to the galea. The only described species which have a similar form of spathe, are the Japanese *A. ringens*, and *A. præcox*, from both of which it is very distinct by its spadix ending in a long pendulous thread-like apex, as well as by its green coloured spathe, with a smaller galea; the galea curves over and completely conceals the mouth of the tube, forming underneath itself a rather large roundish opening to the spathe, partly shielded in front by the terminal folded pendent lobe. Through the opening the thread-like apex of the spadix hangs down, but in the specimen seen it did not reach to the ground as it does in *A. speciosum*, though perhaps in more vigorous plants it would do so. The plant from which the following description is taken was sent from Darjeeling by Mr. Gammie in the early part of this year to Kew, where it flowered the first week of this month. As this is but the first growth since importation, I have little doubt that the dimensions given below are considerably below the average, though probably in larger plants the proportions will remain nearly the same. The following is a description of the plant:—

Leaf solitary, trifoliate; petiole 1 foot long, terete striate, tapering upwards, pale green without markings; leaflets three, all on footstalks about 1 inch long, the middle one 6 inches long, 3½ inches broad, elliptic, apex rather abruptly and shortly cuspidate-acuminate, base acute, lateral leaflets 7 inches long, nearly 4 inches broad, very oblique, the part on upper side of midrib semicordate, the part on lower side of midrib semicordate, and twice as broad as the upper part, apex rather shortly acuminate; all rich bright green, with narrow purple crimped margins, and the course of the midribs whitish, somewhat rugose above from the impressed midrib and veins, which are all very prominent beneath. Scape 3–4 inches long,

terete, striate, pale green, without markings. Spathe a bout 4 inches long, tube cylindrical, about 2 inches long, limb galeate, galea cucullate, slightly compressed, very abruptly curved over and beyond the mouth of the tube, with a pendent elliptic longitudinally folded mucronate terminal lobe, which reaches to about half way down the tube of the spathe, outside of spathe light green, tinted with purplish at base, with many longitudinal white lines (ribs), inside with the tube purple, and the limb and terminal lobe light green, marked with longitudinal white lines as on the outside. Spadix unisexual, longer than the spathe. Male spadix with the stamiferous portion pale purple, about ¼ inch long, synandria in several lax spirals (scattered), stipitate, 3–5-celled, anthers with a circumscissile dehiscence, pollen white. Appendix white, smooth, stipitate, truncate and thick at base, curved forwards under the galea, and gradually attenuate into a long pendulous thread-like apex. Female spadix unknown to me. Native of Sikkim Himalaya. *N. E. Brown, Herbarium, Kew.*

* LÆLIA PHILBRICKIANA.*

This is an artificial cross between *Cattleya Aclandiae* and *Lælia elegans*, the latter being the pollen-parent. This being probably a descendant of *Cattleya guttata* Leopoldi and some *Lælia*, I do not wonder that at first sight I guessed I had before me a mule between *Cattleya Leopoldi* and *C. Aclandiae*. The flowering bulb is only 5 inches high, two-leaved, the larger leaf being 3½ inches long and 1½ wide. The flowers are uncommonly beautiful, equalling those of a good *Lælia elegans*, as they are to be seen in Mr. Day's grand display, most probably unique in the world. The sepals and petals are light chestnut-brown with purple spots. Lips anterior, blade transverse, subcordate and emarginate, of deep rich purple, with a little white triangle to be seen in the very middle of the base, running out in a line, not to be seen on a front view. Side laciniae oblongo-triangular, whitish with light purple borders. Disk between the laciniae light purple, with a whitish middle line, and some darker purple streaks radiating outside. Column very large, as in *C. Aclandiae*, dark purple, only light green at base. I obtained this novelty from Messrs. Veitch; no doubt a new Sedianum work. It is dedicated to Mr. Philbrick, of Regent's Park, London, a gentleman well known as a skilful Orchid grower. *H. G. Rehb. f.*

CYPRIPEDIUM MASTERSIANUM, *n. sp.†*

This is a curious novelty, with large flowers, reminding one of such a *Cypridium* as *Cypridium insigne* in shape, but the leaves are those of the venustum group, though the tessellation is exceedingly obscure. The peduncle is dark purple, rather tall. Bract very short. Ovary curved, very hairy. Upper or odd sepal broad, ovate, transverse, green, with large white border, which looks very pretty. Connate sepal much smaller, green, bidentate at apex. Sepals very broad, blunt, transverse, copper coloured, with numerous nice dark spots and an ochre-coloured border at the lower part of the base. Lip wide, brown, with ochre-coloured margins, much inflated. Staminate ochre-coloured, with two brown streaks, tridentate on the back, bilobe with a very deep sinus internally.

I have to thank Messrs. Veitch for the species. It is of Sondaic origin, and is named in honour of my friend Dr. Maxwell Masters at the request of Messrs. Veitch. *H. G. Rehb. f.*

SACCOLABIUM GURWALICUM, *Lindl.*

This lovely thing is a miniature of *Saccolabium guttatum*, with a porrect lip, as in *S. violaceum* and *giganteum*, not covering the column. It is very pretty, having half the dimensions of the just-named species. It is white flowered. The sepals and petals have some amethyst-coloured blotches, and the lip's blade has the same colour. Dr. Lindley has very acutely pointed out, from dry specimens, that the spur is hairy inside, the short stiff acute hairs being erect, viz., directing their apices to the mouth of the spur.

* *Lælia Philbrickiana* (*Lælia elegans* × *Cattleya Aclandiae*). — Pseudobulbo humili diphylo; inflorescentia bifora; sepalis ligulatis acutis; tepalibus paulo latioribus; labello trifido; laciniiis lateralibus; basi semicordatis; antice angulatis obtusis; siou angusto separatis a lacinia antice subcordata emarginata transversa lateribus minute lobulato crispula; columna trigona ampla; dorso obtusaogula, superne dilatata; pollinibus valde inaequalibus. Sepala et tepala pallide castanea maculis quibusdam purpureis. Labelli lacinia antica pulcherrime purpurea. Lacinia laterales albidæ, pallide purpureo-marginatæ. Linea longitudinalis mediana inter lacinias laterales albidæ utrinque purpurea zona lata extrorsum radiante inclusæ. Columna pulcherrima purpureo-violaceæ basi albiviridis. *H. G. Rehb. f.*

† *Cypridium Mastersianum*, Rehb. f.—Aff. *Cypridium Bullenianum*; foliis obscurissime marmoratis; pedunculo valido elongato pilosulo; bractea ovario pedicellato multo breviori; sepalis impari ovali transversis; sepalis connatis multo minoribus apice bidentatis angustis; labello multo brevioribus tepalis amplis oblongis obtusis divaricatis; labello calceæ obtusissimo amplo, ore antice emarginato; angulis obtusis erectis; laciniiis lateralibus involutis valde papulosis; staminodii oblongo; postice bidentato; antice profunde emarginato; laciniiis lateralibus semioblongis obtusis interjecto denticulo minuto in sinu.—*Ins. Sood. Cl. Mastersio nostro dicatum. (Hort. Veitch.)*