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.
SATURDAY, JULY 26, 1879.

SUTTON'S CHOICE STRAINS OF FLOWER'S FLOWERS, POST-FREE.

CALCEOLARIA, with 1500 seeds to the pound. SUTTON'S Little Wonder, 5s., and 2s. 6d. per packet; Sutton's Little Wonder, 5s., and 2s. 6d. per packet. CINERARIA, 3s. 6d. per packet. PRIMULAS—Sutton's Ruby King, 3s. 6d. per packet. SUTTON'S BOLD MIXTURE, 3s. 6d. per packet.

HYACINTHES, Tulips, &c., WHOLESALE CATALOGUE.

RAPE SEED and WHITE MUSTARD, and F. SHARPE have fine samples of the above for sale at very low prices, which they will be glad to send on application.

LILY OF THE VALLEY.—Extra fine and strong crown of forcing, at 45s. per 1000, free to grow 8s.; also, BAYES POMPONIELLES, ROCKS HYACINTHS, and HOTELLES, all for forcing, in strong roots, at low prices. ROBERT NEUMANN, The Nurseries, Erfurt, Germany.

GARTENBAU, CULMEN, and other Roses in Pots.

To theTrade.—Just arrived, extra fine, of the most of the best sorts, well established, for pots, in which state some are being offered at very low prices by JAMES HOWELL, Lily Cottage, Royston, Surrey.

TEA ROSES in POTS.—A Gentleman, with a very fine assortment of the most of the best sorts, well established, for pots, in which state some are being offered at very low prices by JAMES HOWELL, Lily Cottage, Royston, Surrey.

TEA and NOISETTE ROSES, a very fine assortment, and suitable for conservatory decoration all the year round; also new varieties of CAMELIA. The above are only a few of a special feature in our Nurseries, and our stock is one of the most complete in the kingdom. For a circular with a full list of our Roses, write for a Post-Ross List to ROBERT NEUMANN, The Nurseries, Erfurt, Germany.

BUDGEBROOK BROS., Bulb Growers, at The House, Brewood, Bilston, near Halesowen, Staffs.

STRAWBERRIES.—Strong Roots for fruiting next year, 6s. per 1000. Descriptive List 3d. Post free. RICHARD SMITH and Co., Nurseries, Worcester.

CUBA and JAPAN FLAX.—Messrs. MINIER, NASH and CO., 60, Strand, W.C.

BROWNFIBER FEAST, best quality for Orchards, Stone Fruits, &c., £2 per ton. HAWTHORNE and CURTIS,THE Orchards, Beach Heath, American Plant Beds, 12s. per 1000. DELIVERED on roll at Blackheath, S. W. R., or Farnborough, S. W. R., by the railroad. Sample bags, 6s.; 5 bags, 15s.

FRESH SPHAGNUM, 5s. per bag.

COCOA-NUT FIBRE REFUSE, supplied to the Royal Horticultural Society,—Four-inch bag (including), 6d.; 2s. bags (including), 1st, 2nd, 3rd free to tall, 9d.

Gentlemen's Gardens, Amateurs, and Others.

COCOA-NUT FIBRE REFUSE, supplied to the Royal Horticultural Society,—Four-inch bag (including), 6d.; 2s. bags (including), 1st, 2nd, 3rd free to tall, 9d.

NEW and RARE HARDY PLANTS,—Anthericum Illustre major var. Sonoscope, potted plants, 30s. each; Paeonia Suffruticosa Princess, Paeonia Suffruticosa Pink and White, and Paeonia Suffruticosa Pink and Yellow, each 3s.; and Adonis aestivalis. See TRADE LIST for Prices of all kinds of Hardy Plants, free on application. Haig Farm Nurseries, Tonbridge, London.

CAMELLAHS, FLOWERS, and STEM CUTTINGS.—New and rare species, for sale. Strong Plants, from cutting beds, 2s. 6d. per plant; Strong Plants, for pot and small greenhouse culture, 2s. 6d. per plant; very fine specimens of NARCISSES, to order. In the Nursery, NURSEY, 39, Sweeney Hill, Stratford, W.C.

AMERICAN TUBEROSES, extra fine, and very PEARL (improved variety). Special low-pricing quotations for the Trade only, in small quantities, ready for immediate delivery.

NEW and RARE LEAVES, including three species of DICKSONIA, extra fine, large and splendid, 10s., 25s., 50s., 100s., and 500s. PORTICUS, tricol. var. 12s. 6d. per 1000. See TRADE LIST for Prices of all kinds of hardy plants, free on application.

A PEARL.—We have a very fine assortment of the best sorts, well established, for pots, in which state some are being offered at very low prices by JAMES HOWELL, Lily Cottage, Royston, Surrey.

SAXIFRAGA WALLACEI.—Two First-class Certificates in London and Edinburgh. A handsome Ajugae, and a variety from the Rock Garden. Should be grown by every one. For description and price, see TRADE LIST for Prices of all kinds of hardy plants, free on application.

SPIRULAMATA.—We have a very fine assortment of the best sorts, well established, for pots, in which state some are being offered at very low prices by JAMES HOWELL, Lily Cottage, Royston, Surrey.

BUDGEBROOK BROS., Bulb Growers, at The House, Brewood, Bilston, near Halesowen, Staffs.

GIANT CAIL PFLOWERS, 3 per lot. 6d. post free. See TRADE LIST for Prices of all kinds of hardy plants, free on application.

VINES.—Vines.—Vines.—J.

CUMBERLAND, The Vineyard and Nurseries, Garston, near Liverpool, is now offering splendid strong planting material in this season, suitable for summer planting.

CITY AND COUNTY OF LONDON, SEEDS, give the above. See TRADE LIST for Prices of all kinds of hardy plants, free on application.

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COCKFORD, Wholesale Market Gardeners, 20, Urpsey Road, Westhampnett, Hants.

STEAM HEATING by Hot Water.

Success in all cases, using the IMPROVED BOILERS for Heating Constructions, &c., See TRADE LIST for Prices of all kinds of hardy plants, free on application.
instruments of warfare, and for field sports: but the days of the tough Yew-bow are gone by, the trade of the caterer to the bowmen, partly for 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 the use of the Yew trees in their connotation, is itself a fact of the utmost importance in showing the marvellous adaptability, as far as use is concerned, of the Yew tree. It is generally employed for vaneers and for inlaid work, and is used by the turner for musical instruments, snuff-boxes, &c. The Yew when wholly buried, the tree is dead. If the trunk be wounded, only a little blackened and heavier after lying a century under-ground, and so exceedingly valuable is the wood of a large Yew tree that one at Box Hill was valued at 100l.

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 bowyers purchased Yew wood in bulk, when bow staves with every butt of wine, and no one was allowed to export Yew on any consideration.

In conclusion, 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. Indeed Yew has become a modern weapon, and the country are venerated, as well as they may after a lifetime of thousands in planting, or, properly speaking, in sowing Yew trees, the following example is worthy of notice. Whoever has travelled from Boston to Bakewell, either by road or rail, must have observed some dark green Yew bushes hugging out from the face of the limestone rocks; now this is really peculiocark work, and it is possible that the rocks, which are stored by water, have been hewn away by the action of the rock, and filled in time with vegetable mould, and the Yew whereby, by accidental or design, gets possession, and the effect may be seen now in the beautiful dark and dusky patches which the Yew bushes are 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 been the bearer of emblems in the bosom of 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 warden and held the pall over the domain of death.

New Garden Plants.

**Airesia Galeaturn, N. E. Br.**

This is an Aroid with the hable, and a leaf that is rather like those of the Yew. The leaves are distinctly bordered with purple; but it is very distinct from all the described Indian species, and has the most beautiful combination of the single pendent fold to the gales. The only described species which have a similar form of spathe, are the *Arum* of China. A. japonicum, which is interesting to those who are interested in the botany of Japan, which it is very distinct by its spadix ending in a long pendulous thread-like spadix, as well as by its green coloured spathe, with a smaller gales, the gales curves over and completely conceals the mouth of the spadix, and it is not till many weeks after opening to the spadix, partly shielded in front by the terminal folded pendent tube. Through the opening the thread-like spadix of A. japonicum is to be seen, but in this specimen seen it did not reach to the ground as it does in A. speciosum, though perhaps in more vigorous growth. The spadix is an admirable spadix, and the following description it is taken sent from Darjeeling by Mr. Gummie in the early part of this year, and I have it from him that it was in flower the last week of July.

As this is but the first growth since importation, he has not as yet thought it worth while to send 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, trifoliolate; petiole 1 foot long, terete, 8 millim. in circumference; leaves; leaflets three, on footstalks about 1 inch long; the mid-line 6 inches long, 8 inches broad, elliptic, acute, green, smooth, in pairs, the apices with fine, pale green, with narrow purple rimmed margins, and the course of the midribs whitish, somewhat rugose above, and being very prominent beneath. Sepa: 3-4 inches long, white, striate, pale green, without markings. Spathe a broad, tube, long, tube cylindrical, about 2 inches long, limb galeate, galeae ciliate, slightly cambricated near the base, the perianth vacuose-acuminate, the inner side of the mouth of the tube, with a pendent elliptic longitudinally folded mucronate terminal lobe, which reaches the base. The spadix is white, cylindrical, 6 inches long, 4 inches broad, covered with white purple, about 1½ inch long, sporangia in several or a few spiral (scattered), white, the antheridia, pollen white. Appendages white, smooth, stipitate, truncate and thick at base, being covered with purple, which attenuate into a long pendulous thread-like apex. Female spadix unknown to me. Native of Sikhim Hills. N. E. Brem. Herbarium: Yeo.

**Lelia Philippickiana.**

This is an economical annual, with small white flowers, and Lelia elegans, the latter being the pollen-parent. This is probably a descendnat of Cattleya guttata Loddiges and some Lelia, as I do not know to this first sight I guessed I had before me a Cattleya Leopoldii and C. Actaula. The flowering bulb is only 4 inches high, two-leaved, the larger being about 3 inches long and 1½ wide. The flowers are unusually beautiful, equalling those of a good Cattleya, which are considered the grand display, most probably unique in the world. The sepals and petals are light chestnut-brown on the outside, and brownish-purple with purple subacut and emargnate, of deep rich purple, with a white spot at the base, running out in a line, not to be seen on a front view. Side lacinia oblongo-triangular, whitish purple, somewhat obtuse, the outer and inner sides opposite, being purple, with a whitish middle line, and some darker purple streaks radiating outside. Column very short; lip, white, deeper purple externally on base green at base. I obtained this novelty from Messrs. Veitch; so doubt a new Salamanian. Work. It is dedicated to the memory of a gentleman well known as a Skilful Orchid grower. H. G. Rbb. f.

**Cypredium Mastrianum, n. sp.**

This is a curious novelty, with large flowers, resembling somewhat in shape a Cyperus, but very marked in its leaves, which are insigne in shape, but the leaves are those of the venusvurn group, though the suggestion is exceedingly extravagant. The leaves are green, the blade very short, and the Bract very short. Oval curved, very hairy. Upper or odd sepal broad, ovate, transversely, green with large white border, which looks very pretty. Connotes segal much smaller, green, at a peak. Sepals very short, bilobed, with white truncation, numerous nice dark spots and an ochre-coloured border at the lower part of the base. Lip wide, ovate, yellowish ochre, white, and Staminode ochre-coloured, with two brown streaks, tridentate on the back, bilobic with a very deep and white spot at the summit. A. Mastersio, may be a species of Lelia. It has the same name, as Dr. Lindley has very recently named a Dutch variety of Lelia; my plant is hairy inside, the short stiff hairs being erect, wick, directing their splices to the mouth of the spadix.

**Sacadolum Gerwickiana, Lindl.**

This lovely thing is a miniature of Saccolum guttatum, with a proper lip, as in S. violaceum and S. granatum, and which is very pretty, having half the dimensions of the just-named species. It is white flowered, the sepals and petals being yellow, while the lip’s blade has the same colour. Dr. Lindley has very recently named a Dutch variety of Saccolum; my plant is hairy inside, the short stiff hairs being erect, wick, directing their splices to the mouth of the spadix.

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* Lelia Philippickiana (Lelia elegans = Cattleya Actaula).
* Cypredium Mastrianum, n. sp.:
* Saccolum Gerwickiana, Lindl.

*H. G. Rbb. f.*