THE

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GARDENERS' CHRONICLE.

A Weekly Ellustrated Journal

OF

HORTICULTURE AND ALLIED SUBJECTS.

VOL. VII.-NEW SERIES.

JANUARY TO JUNE, 1877.

LONDON:

41, WELLINGTON STREET, COVENT GARDEN, W.C. 1877.

GARDENERS' CHRONICLE.

Established 1841.

A WEEKLY ILLUSTRATED JOURNAL OF HORTICULTURE AND ALLIED SUBJECTS.

No. 160.-Vol. VII. SERIES

SATURDAY, MARCH 24, 1877.

Registered at the General Price 5d.
Post Office as a Newspaper. Post FREE, 52d.

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NOTICE to ADVERTISERS. FRIDAY NEXT, March 30, being GOOD FRIDAY, the "GARDENERS' CHRONICLE" will be published on THURSDAY, at 2 p.m.

ADVERTISEMENTS for NEXT WEEK must therefore reach the Office not LATER than WEDNESDAY MORNING, the 28th inst.

CRYSTAL PALACE. — AURICULA SHOW, April 24; GREAT FLOWER SHOW, May 12; ROSE SHOW, June 23. Schedules for the two latter can be had on application to
GENERAL MANAGER, Crystal Palace.

READING HORTICULTURAL SOCIETY'S SHOWS WILL BE BILLD ON STANDARD WHEN FRIZES to the value of TWO HUNDARD and EIGHTY GUINEAS will be given away. Schedules to be obtained of F. PETTY, Hon. Sec.

10, Forbury, Reading. PRISTOL, CLIFTON, and WEST OF ENGLAND ROSE and STRAWEERRY SHOW, Zoological Gardens, Clifton, THURSDAY, July 12. Schedules of Prizes, with Rules and Regulations, may be obtained of the Gate-keepers at the Condens: or by letter addressed to the SECRETARY.

KENDAL and DISTRICT HORTICUL-TURAL SOCIETY, JULY 96. The following SPECIAL PRIZES: For twelve Store or Greenbost Plants, distinct, six at least in flower, first, 41; second, 40; third, besides 300 other prizes. Schedules free. Entires before July 20, to T. WILKINSON, J. H. WILKINSON, J. H. WILKINSON, J. H. WILKINSON, J. H. WILKINSON, Sees, Kendal.

CLAY CROSS HORTICULTURAL SOCIETY - TWENTIETH ANNUAL EXHIBITION AUGUST to Proce THREE HUNDRED and SIXTY-THREE POUNDS. For Iwenry Flants, £25, £20, £35, £46, £5. Schedules ready by March 31. Clay Cross, near Chesterfield.

CREAT INTERNATIONAL HORTIDAY RIDAY, and SATURDAY, September 6.7, and 8.
FRIDAY, SHEDNY, SHEDNER 6.7, and 8.
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BITATA - New American Potatos.

MESSRS. B. K. BLISS AND SONS, SEED
MERCHANTS, 34, Barclay Street. New York. For
"Improved Pearl Blue" rend "Improved Peach Blue"

TURSERYMEN COMING to HOLLAND during the International Horticultural Show at Amsterdam, in April, 1877, are kindly requested to Visit my Nursery.

A. M. C. JONGKINDT CON INCK, Tottenham Nurseries, Dedemsyaart, ocar Zwolle, Netherlands.

PROTHEROE AND MORRIS, HORTICULTURAL MARKET GARDAN AND ESTATE AUCTIONNERS
and VALUES, 98. Gracechurch Street, City, E.C., and an Leytonstone, E. Monthly Horitcultural Register Ind. and on application.

NEW REGAL PELARGONIUMS
(Two of the Gems of the Season),
PRINCE OF WALES" and "PRINCESS OF WALES."
Price 1 guinea each.

Price r guinea each.

To be sent out the first week in May by
WILLIAM BULL, F.L.S., Establishment for New and
are Plants, King's Road, Chelsea, London, S.W.

Pelargoniums.

CHARLES TURNER can supply strong healthy plants of all the classes; they will have a good head of bloom this season.

The Royal Nurseries, Slough.

Spotted Calceolarias (James'). H CANNELL has still on hand about 10,000 of the above, 1s. 6d. per dozen, post-free. Established in 60's, 2s. 6d. Special price per 100, Swanley, Loodon.

CALCEOLARIAS, aurea floribunda and Golden Gem, strong, healthy, autumn-struck plants of the above, 5s. per 100, 40s. per 1000. AUBRIETIA CAMP-BELLII, the best of all the Aubriesta, 3s. per dozen. ackage free for cash. W. FIELD, Tarvin Road Nursery, Chester.

CALCEOLARIAS.—Golden Gem, extra fine, well-roeted plants, 55, per 100, 305. Per 1000; Prince of Orange, 55, per 100. For cash with order.

SPIRÆA PALMATA.—Fine Crowns for Forcing, 756.; smaller, 258. to 506. per 100, CHARLES NOBLE, Bagshot,

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Trade price on application.

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CLEMATIS.—Finest named kinds, spring and autumn flowering, any number at very reduced prices. CHARLES NGBLE, Bagshot.

CARNATIONS and PICOTEES.—A fine selection of strong healthy plants, 12s. per dozen pairs. Trade price on application. SAMUEL HARTLEY, Headingley Nursery, near Leeds,

DRIMROSES, double lilac, 12s, 6d, per 100. RODGER McCLELLAND AND CO., 64, Hill Street,

UONYMUS EUROPÆUS.—Strong 2-yr. for Cash.

A RATHKE AND SON, The Nurscries, Praust, near Danzig, Germany.

GEAKALE SETS, ready for Planting, at WILLIAM WOOD AND SON, The Nurseries, Matesfield,

BRUSSELS SPROUTS SE
Warranted the best Covent Garden Giant.
pound, with every particular, on application.
T. BORROWDALE, Swanley, Kent.

WANTED, Cuttings of GERANIUMS, Sort Tricolor, and good Ecolors, also CALADIUMS and ALOCASIA LOWIL. ORCHIDS, TUBEROSES, LILY OF THE VALLEY CLUMPS, SEEDS, &c., may be had in EXCHANGE.

W. F. BOFF, 203, Upper Street, Islington, N.

WANTED, THOMPSON'S GOLDEN
CHAMPION VINES, Rooted Cuttings, Planting
and Fruiting Canes. Please state lowest price quotations to
F. C. HEINEMANN, Seedsman, Erfurt, Prussia.

WANTED, DWARF BOX EDGING,
JAS. GARAWAY AND CO., Durdham Down Nurseries,
Clifton, Bristol.

WANTED, BRITISH QUEEN STRAW-BERRIES, Fruiting Plants, in pots. Quote price per B. MALLER, Nurseryman, Lewisham, S.E.

WILLIAM WALKER has a large stock of splendid GREEN TREE BOX to offer, from 3 to 4½ feet. Price on application, Packington Nursery, one mile from Asbby-de-la-Zouch Station,

RHODODENDRONS. - All the finest PHODODENDRONS.—All the Buest named varieties, nice busby plants, full of blooming bads, are offered at a low price per dozen or roo. CATA-LOGUES sent on application.
W. H. ROGERS, Red Lodge Nursery, Southampton.

H O D O D E N D R O N S.
3-yr. Seedlings, 6 to 10 4-yr. Seedlings (fine), 8 to 10 inches, transplanted; 12 to 18 inches, transplanted.
For prices, which are low, apply to For prices, which are low, apply to HENRY FARNSWORTH, Matlock Bank, Derbyshire.

PONTICUM RHODODENDRONS,

-for Cover-21/4 to 3 feet, fine, £8 per 10:10.

J. JACKSON, Nursery, Kidderminster.

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Specimens. Apply to
W. JACKSON AND CO., Nurseries, Bedale.

SPRUCE FIRS,—Fine, well-furnished, 2 to 2½ feet, 2½ to 3 feet and 3 to 4 feet. A quantity of good Plants of the above to be Sold cheap, to effect a clearance. Prices on application to E. LACK, The Nurseries, Wellingborough, Northamptonshire.

SPRUCE FIRS, well rooted, from 4 to 8 feet, are offered at a low price in any quantity from a dozen to 1000. W. H. ROGERS, Red Lodge Nursery, Southampton.

BIRCH, 5 to 8 feet, 50s. per 1000.
PEARS, Hessell, Standards, 75s. per 100.
APRICOTS, Maiden, 90 per 100.
WILLIAM FLETCHER, Ottershaw Nursery, Chertsey,

CUPRESSUS LAWSONIANA, 2 to 3 feet, good plants, 152. per 100. RETINOSPORA PISI-FERA, 2 to 3 feet, 200, per 100. E. COOLING, Milh Ash Nurseries, Derby.

POTATOS for SEED.—Improved Victorias, Paterson's Plukes, Excelsior, Bresee's Prolific, Dalma-hoys, Brynnick, Cifmax, Hundredfold Flikes, Eureka, Compton's Surprise. Very low: per ton for cash.
W. COCKS, Monks Hall, Gosberton.

CUCUMBER PLANTS, Telegraph.— Strong plants now ready. A. WATKINS, Nursery, Bishop Stortford, Herts.

CUCUMBERS.—Cooling's King and Fear-nought, the two best in cultivation, ar. 6d, per packet each, post-free. COOLING, Seed Merchant, Derby.

A SPARAGUS, Giant, 1-yr., 2-yr., 3-yr., JAMES BIRD, Nurseryman, Downham.

ORCHARD-HOUSE TREES, Fruiting in Apricots, Cheries, Metarines, Phms, Pears, Apples, Figs, Apricots, Cheries, Mulberries, and Oranges. RICHARD SMITH, Nurseryman and Seed Merchant, Worserster.

ADY HENNIKER APPLE GRAFTS—Post-free, 6 for 1st. 6d., 1s for 2s. 6d., 50 for 8s., 1so for 1st. A splendid kitchen or Desert Apple, weight \$10s., bears feely on one-year's word. Pyramids 3t. 6f., Standards 5s. each. EWING ANG COMPANY, Eaton, Norwish.

V I N E S.—Splendid Planting Canes of leading varieties, perfectly ripened without bottom-heat, and a few extra strong Canes for Immediate Futility JAMES DICKSON AND SONS, "Newtons, Nurseries, Chester.

Vines, Vines, Vines.—The Planting Season.

THE COWAN PATENTS' COMPANY,
The Vineyard, Garston, near Liverpool, can supply
excellent Planting Canes of all the leading varieties from the
excellent Planting Canes of all the leading varieties from the
excellent Planting Canes of all the leading varieties from the
excellent Planting Canes of all the leading varieties for Planting in
a Growing State, when such are preferred. Trade supplied. Grape Vines.

Grape Vines.

S. WILLIAMS has still on hand a large atock of MUSCAT of ALEXANDRIA and SCOTE'S MUSCAT of The Property of Priviting Canes, 5s. each. Englorders respectfully solicited. Victoria and Paradise Nurseries, Upper Holloway, N.

Gentlemen's Gardeners, Amateurs, and Others ARDEN POTS of best quality, are

J. MATTHEWS, Royal Pottery, Weston-super-Mere,
Price List on application.

as a well-formed flower of Mr. Day's Pescatores, My wild-grown flowers, however, and most of those gathered by Messrs. Klaboch, in 1876, are nearly one half larger. The warm purplish blue int is darkest and most dualing as a zone over the middle of the time of the many properties of the mental p

CYPRIPEDIUM BOXALLII, n. sp.*

I did not expect when, the other day, I had the splendid C. Haynaldiamum at hand, that I should be the properties of the superior spal, and it is besides much broader. The petancie is covered with dark blotches, which in ever saw in C. willoum, and the bairs have broader at the presence is covered with dark blotches, which in ever saw in C. willoum, and the bairs have spals are much broader at their bases, and quite obtate, while the inferior sepal of C. willoum is very acute. The petals, too, are much less cancate. The lip has not the long lateral borns of C. willoum, and the staminoid is narrower at its base. In a pencil-sketch at hand, the upper sepal and petal (said to be uso blackish spats. The plant is a discovery of the keen and successful explorer, Mr. Boxall. It comes to be the properties of the proper

NOVELTIES.

AMONG the plants to he sent out this spring, are are the following :-

DENNSTÆDTIA DAVALLIOIDES YOUNGIL.-This fine new garden Fern comes to us from Australia. It is no doubt very nearly related to the old Dicksonia davallioides, alias Sitobolium davallioides, now referred to the genus Dennstædtia, but it is much larger in its growth than we have ever seen that plant, of which for practical purposes it may therefore be regarded as a giant form. In its native state it is said to produce fronds 17 feet in length; and as seen in this country, under pot culture, it has caudices as thick as one's finger, and fronds of 7 or 8 feet in length. To this stout and vigorous constitution it adds the elegance and gracefulness of minute subdivision, so that its fronds, though large, are utterly devoid of coarseness, and it is, in fact, a remarkably ornamental plant, well adapted for occupying any bold and prominent position in a stove rockery, or even as a pot plant in a collection of stove or greenhouse Ferns it will always hold its position, The caudex, as already described, is as stout as one's finger, and of creeping habit, progressing forward somewhat freely, and throwing up its ample spreading fronds at intervals. The stipes is stout, nearly half an inch in diameter, and of a darkish brown colour below, golden-brown above, and quite smooth. The fronds are nearly ovate in outline, and decompound, the pinnæ 11 foot long, the pinnules 5 to 6 inches long, lanceolate-acuminate, and the ultimate pinnules, those of the third order, 1-3 inch long; these ultimate pinnules are obliquely oblong, deeply cut into blunt oblong-toothed lobes, of which those at the base of the anterior side are the largest. sori are small, placed near the base of these ultimate lobes in the sinus of one of the anterior mar-ginal teeth. The fronds are herbaceous in texture, It will thus be seen that this Fern, while growing to a large size, is one of the most finely cut of all the large-growing sorts, of herbaceous texture, and when throwing out its boldly arching fronds, from a large pot set up on a pedestal, it will have a very fine effect. It, however, requires to be grown on freely to secure it a this condition, as if starved down to the size of an ordinary trade plant it will appear to be but little different from D. davallicides itself. The plant is in the hands of Messrs, Vetlich & Sons, Ofelsea, and of Mr. B. S. Williams, of Holloway, by whom we believe it will be sent out during the ensuing spring. It was unanimously awarded a First-class Certificate by the Floral Committee when exhibited at South Kensington on the 7th inst., and gained a similar award at the spring show of the Royal Botanic Society on Wedendealy alst. T. Moore.

ARALIA FILICIPOLIA (Ill. Hort, t. 240)—This has been shown by MM. Linden, Bull, Vetich, and Williams, and perhaps by others. The plants are too young for their exact position to be determined, hence the name given is to be regarded as merely provisional. It is a very elegant folioge plant, suitable when small for table decornion. The stems are of a deep olive colour, speckled with white spots; the leaves are dark green, glabrous, twice pinantely divided, with a single lobe at the end; the pinnes are about eight in number on each side of the midrib, each one being divided nearly to the base into linear, minutely saw-toothed and spine-pointed segments. The younger leaves are more finely cut than those first formed. The plant is a native of New Guinea.

CROTON (CODLEUM) PARADOXUS.—A narrow-leaved form, with short footstalks, purplish in the middle, pair at either end. The blade of the leaves measures 10 to 12 inches in length by § inch in width. They are at first green, but subsequently become variegated with yellow or cream-coloured stripes and spots, especially in the centre on either side of the pink midrib. The under surface is paler, and the central portion of a pale pinkish tint. Some of the leaves are twisted in the centre, others are "interrupted," the blade not being continuous throughout. (Williams.)

CROTON FASCLATUS.—A bold, broad leaved form. Leaves 9—10 by 4—5 inches. Leadstalk about an inch long, brownish in the centre, paler at either end. The blade of the leaf is inversely egg-shapel, the council at the base, of a lively green colour, traversel by bright yellow veins, and marked with a viregular spots and blotches. It is a fine variegated kind, of bold habit. (Williams)

CROTON CAMPTOPINILUS.—A very narrow leaved form. Leafstalk $\frac{1}{2}-\frac{1}{4}$ inch, green in the centre, paler at both ends. Leaves 6-9 inches long by $\frac{1}{2}$ inch wide, in form linear oblong, dilated at the base, and with a central yellow stripe. The apex of the leaf is obtuse or shortly pointed. The leaves are variously twisted and curved. (Williams.)

CROTON FALCATUS.—A form of loose habit. Leaves 15-18 inches by 2-3 inches. Leafstalk inch long, pink in the centre, paler at each end, The leaves are strap-shaped, dilated and rounded at the base, sword-shaped or sickle-shaped, with a dark purple midrib and margins, and with irregular blotches of yellow. The under surface is pale purple with green view. (Williams.)

ABNEY HALL, CHEADLE.

AT any season of the year a visit to the extensive grounds and glass erections at the above gardens, the seat of Sir James Watts, Knt., will be found to be one of peculiar interest and pleasure, for the number of the houses and the general high-class character of the plants under cultivation ensures a fine display of choice subjects at almost any time. It was my good fortune a few days ago to have the opportunity of going through the houses with the gardener, Mr. R. Mackellar, and from a few observations made at the time perhaps a small notice may be acceptable to your readers, and of sufficient interest to find a place in your pages. The grounds and mansion stand just on the borders of Cheshire, about 6 miles in a southward direction from Manchester. The grounds, which are kept in fine order, and are very diversified in appearance, contain a number of very fine specimens of Coniferæ and other shrubs of an ornamental character, among which special mention must be made of an axenue of Capressus Luweniana, and though there in general patche very much of a similar habit and appressance, yet on a closer inspection and comparison it will be found that great variety exists among them, the habit of some being exceedingly beautiful, whith of some heing exceedingly beautiful, whith the close differs on much that it seems scarcely create that such different forms should spring up from the seeds of probably the same cones.

The conversion of a large and oronmental structure and point of the finest specimens of Camellias that are to be seen adjoining the mannion, and in it are plantled out some of the finest specimens of Camellias that are to be seen anywhere in the neighbourhood of Manchester or for miles around. Another large house is devoted to these fine plants, and at the present time the blooms may be counted by the hundred. Two grand plants of imbricata, about 20 feet, are literally covered this blooms. The old double white is also very strong, and flowers fine and numerous. Here also are large plants of Storyi, with flowers of fine form, of a deep plants of Storyi, with flowers of fine form, of a deep concess of this are very classes and distinct, Copy of Beauty, La Keine, Jubiler, fimbriata, are also represented by fine well-blooming plants; whits amongst those of a large scallet type mention may be made of Monarch, the stamens of which are or wery prominent, and also of one named Triumph, the flowers of which are of an immense size of which are of which are of which are of which are of an immense size of which are of on when the manner.

From the conservatory, through a small portion of the pleasure grounds and across the kitchen garden, we come to a fine range of vineries, and just adjoining these is also the Peach-house. The Vines in the early house had broken very strong, with foliage good and plentiful. Here the Vines were just flowering, some already being set. The number of bunches, and the size of the greater part of them, would seem to indicate that here again Mr. Mackellar will be amply repaid for the constant care and attention he bestows upon this part of his labours. In the stove were many plants of an ornamental character, whilst for blooming purposes a quantity of Eucharis amazonica is grown, and this winter there has been an abundance of bloom—twenty spikes on one or two of the plants will give some idea of their size and vigour. Here also were two fine plants of Franciscea confertiflora, measuring about 4 feet by 4. The heads of bloom were thickly set all over the plants, some of the trusses having developed from twenty to thirty flowers. These are two plants that it would be difficult to match. Calanthes are grown in great quantity for cut flowers; about ten or twelve bulbs are planted in a 10-inch pot, and in their season are certainly a sight worth looking upon. A number of plants of C, Veitchii among those of C, vestita adds interest and charm to the display. In this house and another adjoining are several specimen Orchids. notably Dendrobium moniliforme, a grand mass, and well flowered; densiflorum, 4 feet through, showing well for bloom; Farmerii, almost as large; while a quantity of nobile are also grown, and when in flower are used for the decoration of the conservatory. Some grand specimens of Yucca filamentosa variegata, as well as a quantity of smaller plants of the same species, are to be met with here, and are all in very fine health.

A house of large size is specially devoted to Azaleas, and in a half-trained, half-natural form are a splendid lot of plants of very large size and in robust health. In the course of a couple of months these will be a picture. A fine lot of hard-wooded plants is also done well here, the principal varieties of Heaths being in many cases plants 3 or 4 feet high, and as much through, whilst a number of half specimens are coming on very freely. A prize plant of Boronia pinnata is in fine health and a splendid colour, I also noticed several fine pans of Nertera depressa in the Peach-house, and feel sure that in their season they will be covered with their pretty orange-coloured berries. I also noticed large quantities of bedding plants in almost every conceivable position, this being a part that is done rather extensively and with great taste. This by no means exhausts the many objects of interest that are to be met with here. It will, however, give some idea of the number and variety of the duties devolving upon the gardener; at the same time I feel I cannot close this notice without bearing testimony to the satisfactory state of everything under his charge, as well also as to the kindness and courtesy that I have, not on this oceasion only, but at other times, received at the hands of Mr. Mackellar. W. Swan, Fallowfield,

⁸ Cypripedium Boxallii, n. 5h.—Juxta C, viilosum, Lindl. Caule obscura marmorata; pilis pellucidis nigroanulatis; bractea ampla lata; speak sumari quartam inferiorem tegente; sepalo utroque bene obluso, utroque basi aintusculo; lepalis basi vicu cuteatis, cornubus fabelli lateralibus abbreviatis; staminodio basi angusto.—Asia tropica. H. G. Rehb, f.