

June 26, 1880

THE
GARDENERS' CHRONICLE.

A Weekly Illustrated Journal

OF

HORTICULTURE AND ALLIED SUBJECTS.

VOL. XIII.—NEW SERIES.

JANUARY TO JUNE, 1880.

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THE GARDENERS' CHRONICLE.

Established 1841.

A WEEKLY ILLUSTRATED JOURNAL OF HORTICULTURE AND ALLIED SUBJECTS.

No. 335.—VOL. XIII. { NEW SERIES. } SATURDAY, MAY 29, 1880. { Registered at the General } Price 5d.
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 With this Number is presented a Coloured Plate of "HERBACEOUS CALCEOLARIAS."

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IMPORTANT NOTICE.—Advertisers are cautioned against having Letters addressed to INITIALS, or to FICTITIOUS NAMES, at Post-offices, as Letters so addressed are not taken in, but are sent at once to the Returned Letter Office.

ROYAL HORTICULTURAL SOCIETY, South Kensington, S.W.
GREAT FLOWER SHOW, under the Large Tent, JUNE 8, 9, 10 and 11. ONE THOUSAND POUNDS in PRIZES. Competition for Silver Cups offered by Mr. William Bull, F.L.S., for New Plants; and for Prizes by Messrs. Sutton & Sons for Vegetables; and Messrs. Joseph Davis & Co. for Plants. Horticultural Buildings and Appliances of all kinds will be exhibited in the Garden. Band of the Royal Horse Guards (Blue) each day.
 Admission—Tuesday, June 8, from 10 o'clock, 5s. Wednesday and Thursday, June 9 and 10, from 10 o'clock, 1s. Friday, June 11, from 10 o'clock, 6d.; or by Tickets purchased before June 8 by Fellows, for the first day, 3s. 6d. Tickets at the usual Agents and the Entrances to the Gardens.
 N.B.—Applications for Space and Schedules to be made to the Superintendent, Royal Horticultural Society, South Kensington. ENTRIES CLOSE—FRIDAY, June 4.

ALEXANDRA PALACE, Muswell Hill, N.
 The GREAT ROSE SHOW will be held in the Central Hall, SATURDAY, July 10. ENTRIES CLOSE—SATURDAY, July 3. Schedule of Prizes, Rules, &c., may be had on application to Mr. J. S. COOKE, Sec. Alexandra Palace, London, N.

TIVERTON (Devon) HORTICULTURAL SOCIETY.
TENTH EXHIBITION, JULY 1. Cut Roses (open to all England), 48 Perpetuals, £7, £4, £2; 12 Teas and Noisettes, £4, £2, £1. Liberal Prizes for Stove and Greenhouse Plants, Fruit and Vegetables. Schedules on application to Messrs. PAINE AND MILLS, Hon. Secs.

At the same time and place the DEVON and EXETER BEE-KEEPERS' ASSOCIATION will hold an EXHIBITION of BEES and their produce. Schedules of
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THE DISS HORTICULTURAL SOCIETY'S SHOW will be held JULY 13. Special Rose Prizes will be given.
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FRUITING PLANTS of PEACHES, NECTARINES, APRICOTS, and GRAPE VINES, a large and fine stock, now offered for Sale. THOMAS RIVERS AND SON, Sawbridgeworth, Herts.

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WANTED, good GARDENIAS and Maréchal Niel ROSES Letters and Consignments to W. CALE, Floral and Fruit Commission Agent, 4, Tavistock Row, Covent Garden, W.C.

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To the Trade.
CALCEOLARIA and PANSY SEED, our own saving, from the finest strains. Price on application to DOWNIE and LAIRD, 17, Frederick Street, Edinburgh.

BEDDING CLEMATIS, in assorted colours. —A great bargain is offered in very fine plants—25 for 20s., 50 for 30s., 100 for 50s., package included. Cash with order. A magnificent stock of CLEMATIS LANUGINOSA on offer.
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The Largest Rose Gardens in England.
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To the Trade.
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THE NEW PLANT and BULB COMPANY beg to announce that their SPECIAL LIST, No. 47, is just published. Contents:—Imports from New Grenada, East Indies, Brazil, and a fine lot of Established Orchids. Sent Post-free on application.
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STRONG, HEALTHY, and WELL-ROOTED CUTTINGS, perfectly free from disease, of White, Purple, Scarlet and Pink, 6s. per 100; 50s. per 1000. One hundred rooted Cuttings, in twelve distinct and lovely varieties, First Prize Flowers, for 8s. Terms cash.
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FUCHSIAS, 100 nice young plants, in 12 splendid varieties, 8s. HELIOTROPES, of sorts, 6s. per 100. AGERATUM, Imperial Dwarf, strong young plants, 5s. per 100.
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Greentop Yellow Tankard Turnip.
JOHN ETHERINGTON DIXON, having grown a fine lot of this Turnip, can offer a few Bushels at a low figure. Price on application.
 Seed Grower and Merchant, Gainsborough.

known. Still threading our way, arms outstretched and head bent down, to escape, if haply we might, the Briers, we emerged into a green glade, and there on the grass found a family party—some East-end artisan—his helmeet and their children around him all dressed in Sunday best. There was the secret of the orange-peel and the Cocoa-nut. We had traced them to their source. The mind is almost incapable of filling in the vast changeful interval between Boadicea and an East-end artisan. Stay! the one connecting touch of Nature is not absent—it never is. The boy of the party, so soon as his mouth was sufficiently freed from the pleasing exercise of satiating hunger, whooped at intervals a loud "ooray," for no conceivable reason that we could find, save the mere joyousness of his heart and the pleasure of being among the trees, and the birds, and the flowers, so different from the sights and scenes to which he was accustomed. The mother affected to restrain him, but it was clear to see that her sympathies were in full accord with those of her boy, and it was only maternally dignity which impelled her to remain silent. It was a sight to do the heart of a Lord Mayor good; it was a sight to touch even the sensibilities of the irrepressible "Monckton." However, so far as we are concerned, it was only an incident in the day's work, and had as much to do with horticulture as Boadicea herself.

Should any one want to find the camp aforesaid it will not do to trust to local guides; an old peasant searching for a wandering calf, not yet provided, Swiss fashion, with a bell like its dam, and who had lived all his life close to the camp, as it turned out, had never "heard talk of it;" another suggested the rifle butts near High Beech as the desired spot. Suffice it to say it is on the Epping side, and within half a mile of the "Robin Hood" inn, in the heart of the wood, and is, after all, not so difficult to find to those who know how to look.

Here and there are other traces of man's hands, in the form of ugly gashes, which ultimately will develop into roads, drives, and avenues, but which now are hideous scars. Along these roads we may hope anon to have fine avenues of noble trees, and on bluffs and in clearances we may look for clusters of trees and shrubs, which shall yield colour to diversify what must in full summer-tide be monotonously green. There is plenty of room for judicious planting and wild gardening of this sort without interfering in the least with the natural wildness of the Forest. The pollards are fantastic and grotesque, but a forest all pollards needs a large admixture of healthy uncrippled trees. You have only to experience the pleasure that is felt when the eye rests on the Beech trees at High Beech, or the Oaks near Chingford, to see how great is the charm of looking at well-grown trees after inspecting a whole army of cripples.

This is a rather long introduction to the main object of our visit—the nursery of Messrs. W. Paul & Son at Loughton—but there is ample excuse for it—the beauty of the forest, the friendly cuckoo, the sweet, full-toned nightingale: in and among these is the nursery situate, and did not its proprietor descant not long since, learnedly and judiciously, as he might be expected to do, on the proper treatment of the Forest in the future? and was it not a duty to verify his conclusions on the spot? Of course, as might be expected, we retained our own opinion that Mr. Paul, as it seemed to us when we read his paper and seems to us now, in his laudably careful reticence rather undervalued the aid which the planter—the judicious planter—and no other should be allowed to set foot in the Forest—may render in enhancing its many beauties. A judicious planter, and one with a love of his art, and of the materials with which he has to deal,

and with a knowledge of the conditions he has to fulfil, will never make the fatal mistake of turning a forest into a pleasure garden.

The nursery is an annexe to the better known one at Waltham, the home of Roses and Conifers, of Camellias and ornamental trees. It is the store-room, the nursery in fact, where one does not expect the symmetry and neatness of the drawing-room, but which for that very reason is more attractive to the initiated. One does not always want to see plants on parade; it is more instructive to see them as it were behind the scenes. It will be judged from what has been said that the contents of this nursery are what might be expected from a firm with a well-earned reputation for ornamental trees and shrubs. Roses, another speciality of Mr. W. Paul, are not grown here—the visitor must betake himself to Waltham for these; but if he wants to see well-grown Hollies and golden Yews, he might do much worse than go to Loughton. Among the Hollies, specially good here, we noted the varieties Hodginsii, Shepherdi, maderensis, Golden Queen, Waterer's Dwarf worked on the common Holly as a standard, and making fine compact heads; donningtonensis, the very dis-

Skimmias japonica and oblata—the latter one of the best dwarf evergreens, and the Osmanthus have passed the ordeal safely, while the Raphiolepis is badly hit.

The Handsworth Box may be mentioned for its hardiness, its fine habit, and the rich red colour often assumed by its foliage.

We have not space to mention more of the contents of this nursery, but enough has been said to justify the decision of the arbitrator in retaining this enclosure on the condition that the public have free access to this as to the other parts of the Forest. The interest of such a nursery and its special value as an experimental ground are too obvious to need further comment. *The Rambler.*

New Garden Plants.

BRASSIA (GLUMACEÆ) EUODES.*

This belongs to the small but difficult group of *Brassia glumacea*, and looks very like it. The flowers have the ends of the sepals and petals of a neat yellow, or yellowish colour; the column is marbled with purple, and the upper part of it in front is purple; lip yellowish. All the sepals and petals, except the tips, brownish-red. This colour may be the last state, as is observable in various *Brassias*. I am unable to say whether the flowers were distinctly coloured earlier. They have a beautiful smell, whence the



FIG. 117.—FLOWER OF MASDEVALLIA ROSEA. NAT. SIZE. (SEE P. 681.)

tingent *I. opaca*, and many others. The Cheshunt Yew may be noted for its close pyramidal habit, and grown as it is here, in association with the golden Yew, is very striking and effective.

Rhododendrons and American plants generally are grown in considerable quantities. An avenue now in course of construction, and lined with specimen plants of the best named varieties, already shows the kind of effect that the growth of another season or two will produce. Some people fancy that Rhododendrons will not grow kindly on stiff clay, but a visit to this nursery will undeceive them. It is fair to say, however, that cocoa-nut fibre refuse is used in considerable quantities to lighten the soil. A fine piece of *Andromeda floribunda* may be mentioned in this connection. Conifers, or some of them, do well here; the Deodar Cedar in great beauty and quite unhurt by frost; the sturdy *Abies Nordmanniana*, the stately *Libocedrus decurrens*, *Juniperus virginiana glauca*, *Abies nobilis*, *Cupressus Lawsoniana*, *Thuyopsis dolabrata*, exceptionally fine; *Cryptomeria elegans*, rich in colour and wholly unhurt by the winter; *Cupressus macrocarpa*, on the other hand, has suffered severely, as have *Laurustinus*, *Arbutus*, *Japan Euonymus*, and common Laurels. On the other hand, the varieties *caucasica* and *ovata* are not in the least affected, a circumstance which the intending planter will take note of. *Ligustrum coriaceum*, *Berberis Darwinii* and *stephylla*, the

name is given. Mr. Backhouse, Holgate House, York, imported from New Granada this species—which is quite distinct in the keels of the lip—and was so very kind as to send a whole plant (with four other well-grown species), most successfully packed against frost, to assist me in understanding its features. Many thanks for such unusual kindness. *H. G. Rehb. f.*

CYPRIPEDIUM PETRI, *Rehb. f., n. sp. †*

This is very near Mr. Day's *Cypridium*, yet fresh materials just at hand confirm the first impression, which I wrote in February last to Mr. Harry Veitch, that it must be regarded as distinct. Its leaves have a darker ground colour and just those far darker, square green paintings, which are so characteristic in the affinity. The whole flower is smaller, shorter. Sepals white with green veins, very distinct in outline, much shorter than in the species I first dedicated to my most assiduous correspondent. Petals light brownish, green at the base, ligulate acute, straight or cuneate, acuminate, covered on the whole border with long hairs, just as in *Cypridium Dayanum*. Lip greenish-brown, with dark sepia-brown on the front part of

* *Brassia (Glumaceæ) euodes*.—Folius oblongo-ligulatis acutis pseudobulbos parvos prope triangulos acipites anthesi omnino involventibus; pedunculo folia supra subaequante racemose pauciflora; bracteis spatheis ovaria pedicellata non omnino æquantibus; sepalis linearibus acuminatis; tepalis subæqualibus minoribus; labello oblongo apice abrupte aristato; carinis basales semioblongis supra medium abrupte angulatis; puberulis; lineis incrassatis antepositis, totis carinis cum basi labelli genuflexi in basin columnæ impressis.—*Orchidum euodes*. Neo Granada. Imp. cl. Backhouse. *H. G. Rehb. f.*

† *Cypridium Petri*, n. sp.—Aff. *Cypridium Dayano*: labelli sacco magis conico, sepalis brevioribus, sepalo impari triangulo acuto, sepalo inferiori ligulato acuto triangulo; labello subduplo breviori; tepalis brevioribus rectis sequi acuminatis; staminodio subrhombeo. *H. G. Rehb. f.*

the disc, or totally of that colour, yet always, it would appear, with green angles. Warts on the border of involved base nearly purple. Stamens light green with some dark green veins. If there were not several other marks of distinction (in addition to the totally distinct colour of the flowers) it would be well distinguishable by the relative length of the sepals and petals.

This is a discovery of Messrs. Peter Veitch and F. W. Burbidge, made in the Malayan Archipelago. It only bears the name of one of those gentlemen. *H. G. Rehb. f.*

MASDEVALLIA XANTHINA, n. sp.*

This is a rather pretty *Masdevallia*, with bright yellow flowers and some dark violet at the very base of even sepals, which are a little narrower than the odd one. Small petals whitish. Lip yellowish, with a dark knob at the apex. It has been believed in England to be *Masdevallia Wageneriana*, Lindl. No doubt there is a certain similarity between the two, but this suggestion is founded on a mistake. That species is



FIG. 118.—MASDEVALLIA ROSEA: MUCH REDUCED. FLOWERS ROSE-PINK.

really well represented in *Bot. Mag.*, 4921, which shows the best feature, the triangular nicely tooth-letted blade of the lip, while our plant has a nearly square, entire blade. The figure in Paxton's *Flower Garden*, iii., p. 74, is a very indifferent one, almost good for nothing, giving the impression of the flower being shut. I have to thank for this the Messrs. Veitch, of Chelsea. *H. G. Rehb. f.*

MANCHESTER WHIT-WEEK SHOW.—During the seven days on which this show was open to the public, we learn that it was visited by nearly 60,000 persons. It has consequently been a very successful enterprise.

* *Masdevallia xanthina*.—Aff. *M. Wageneriana*: folio a petiolarum basi cuneato-oblongo obtusissimo acutiusculo; floris sepalis omnino expansis; sepalis impari ligulato oblongo galeato in caudam longiorem extenso, sepalis paribus paulo angustioribus, omnibus sub-caudis retusiusculis, antico carinatis, basi angulatis; labelli lingue ante laminam utrinque constricto; lamina cuneato-oblonga retusa medio apiculata trinervi; columna apice tridentata. Subduplo major quam *Masdevallia Wageneriana*. *H. G. Rehb. f.*

MASDEVALLIA ROSEA.

OUR illustrations, figs. 117, 118, taken from a sketch by M. Lehmann, represent this lovely *Masdevallia*, which, though old in one sense, may yet be described as new. The history of the plant has more than once been given in our columns by Professor Keichenbach (see p. 648). Suffice it now to say that it resembles a rose-coloured *M. Harryana*.

A HAMPSHIRE GARDEN.

ABOUT 4 miles from Romsey and 8 from Southampton, on the borders of the New Forest, pleasantly situated in a park of some 400 acres, lies Paultons House, the seat of H. Sloane-Stanley, Esq. The gardens are commodiously and conveniently situated at the western side of the park. An occasional visit to

thing is arranged in the free-and-easy style, an irregular belt of shubbery border here, a group of trees there. There are no abrupt twists and turns, and yet the visitor meets with an occasional unexpected treat in rounding a curve where are a medley group of hardy plants in a secluded nook or mayhap a narrow border of spring flowering plants, the ingress to which is by a narrow footpath dividing two shrubbery plantations and having communication with two sides of the grounds.

Paultons cannot be said to be noteworthy for specialities, but the visitor may note many things pregnant with instruction, both in regard to varied tone and character, that may be enjoyed in a moderate sized garden, as well as many practical hints upon the treatment of plants that are too frequently seen in very indifferent condition through over-coddling. On a lawn near the house is a huge Cedar of Lebanon, the branches of which are said to cover an area of over 80 yards in circumference. The chain of shrubbery borders and beds which margin the lake side are good practical examples of taste and skill in formation and planting. Fine plants of *Arundo Donax* and *A. conspicua* find an appropriate home here, and *Magnolias* just opening their flowers are accorded suitable situations, where their beauty can be enjoyed to the full. Not the least interesting feature in this part of the grounds is a small alpine rockery and several beds of hardy Heaths, of which *Erica codonodes* is one of the most useful for purposes of cutting.

The flower garden (a small one) is of simple design, and its close proximity to the simple rockery and single beds of hardy plants proves that "where there's a will there's a way," and that no branch of gardening need be sacrificed for the sake of another, while there is room for all.

Proceeding from this point to the fruit garden, I jotted down the names of several varieties of Pears and Apples out of a fine collection of standard trained trees, which were in full blossom at the time of my visit, and which promised (weather permitting) to bear a fair crop of fruit. The Pears are *Beurré Diel*, *Fondante d'Automne*, *Duchesse d'Angoulême*, *Beurré Clairgeau*, and *Beurré Superfin*. Apples: *Stirling Castle*, *Lord Suffield*, *Packhorse Pippin*, *Mannington's Pearmain*, *New Hawthornden*, *Gravenstein*, *Fearn's Pippin*, *Beauty of Kent*, *Dutch Mignonne*, *Ecklinville Pippin*, and *Tower of Glamis*. The trees are planted upon mounds of earth slightly raised above the natural ground-level, in consequence of the situation being damp in wet seasons, and are heavily mulched, in order to encourage root extension near to the surface. I am bound, however, to admit that here, as elsewhere, the old-fashioned trees that have been taking care of themselves up among the skylarks and swallows are best clad with blossoms, and promise to yield by far the largest supply of fruit.

There are two fruit and kitchen gardens at Paultons, each $2\frac{1}{2}$ acres in extent. One garden is entirely walled in, and the second partly so, and both are in perfect order and skilfully and abundantly cropped. The glass structures are well stocked with fruit trees and plants in their respective departments. Early crops of Strawberries have been very good, and Peaches promise to be of the same excellence. A house of young Muscat Vines planted in the spring of 1878, which produced a crop last year, are really good examples of Vine culture, but it is of a house of Vines planted in an outside border in the month of June, 1878, and lifted in November last year (1879) that Mr. Todd, the head gardener, has most reason to be proud. The Vines in question were lifted through an alteration being made in the garden, and replanted in an inside border "without shortening back the canes;" and the Vines have not only broken regularly this year from the top to the bottom of the house, but are also carrying a nice crop of fruit—a fact which proves the skill with which the operation of lifting and replanting the Vines was carried out, as also the subsequent treatment. In one of the vinteries I noticed several grand pots of the old *Amaryllis aulica*, and in some of the plant-houses are certain plants which are not to be met with in every garden.

Those that appeared to me to be most useful were *Grevillea rosmarinifolia*, the flowers of which resemble a *Clianthus*; *Eriostemons* in two or more varieties; *Diosma capitata*, an old-fashioned sweet-scented plant that was more in vogue a dozen years ago than it is now; *Andromeda pulverulenta*, bearing white cup-shaped flowers after the form of those of *Kalmia latifolia*;

our neighbour's or friend's garden not only extend our personal acquaintances or unites them more closely, it does more. It often extends our knowledge and brings us into contact with features which may shadow forth ideas which, if not useful at the present time, may be of the utmost importance hereafter if properly turned to account. I was struck with many features at Paultons during a recent visit, not the least of which was the beautiful undulating surfaces which gradually ascend and descend into hill and dale by slow gradients so as not to render the landscape abrupt at any given point. The park is moderately wooded with groups of trees, and single specimens are tastefully dotted about. There is a lake which is fed from two sources in the forest a short distance from the house, and here I must begin with my few practical notes.

I observe the lake takes a gentle sweep past the house, and this seems to have been the key to all the planting operations in the pleasure grounds, as, indeed, in every other part of the garden. Every-