

THE
GARDENERS' CHRONICLE
AND
AGRICULTURAL GAZETTE

FOR

1869.



LONDON :
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1869.

THE GARDENERS' CHRONICLE

AND

AGRICULTURAL GAZETTE.

A Newspaper of Rural Economy and General News.

No. 40.—1869.]

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SUTTONS' COLLECTIONS OF FLOWER ROOTS, See Page 1037 of this day's *Gardeners' Chronicle*.

SUTTONS' COLLECTIONS FOR OPEN GROUND, 10s. 6d. to £3 2s. For particulars, see page 1037 of this day's *Gardeners' Chronicle*.

SUTTONS' COLLECTIONS FOR POTS OR GLASSES, 10s. 6d. to £3 2s. For particulars, see page 1037 of this day's *Gardeners' Chronicle*.

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The "Old" Established Seed Warehouse, 102, Eastgate Street, Chester.

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HOOPEE AND CO. offer fine fresh SEED of the above Plant, just saved, 2s. 6d. per packet. Sown now, it will produce fine plants for bedding next year. Price to the Trade on application.
HOOPEE AND CO., Seed Merchants, Covent Garden, London, W.C.

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Apply to Mr. CLAPHAM, Royal Park, Leeds.

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WANTED, 5000 to 10,000, 1 and 2-yr. old, for Grafting.—State price to
R. HARTLAND, The Lough Nurseries, Cork.

LARGE POPLARS, PLANES, LIMES, CHEST-NUTS, and other Forest and Ornamental Trees; large AUCUBAS, ARBOR-VITÆ, COMMON and PORTUGAL LAURELS, IRISH and COMMON YEWs, and a variety of other Trees and Evergreens, suitable for immediate effect, at R. T. PENNETT'S Nursery, Park Lane, Tottenham, N.

FIELD BROTHERS, Tarvin Road Nursery, Chester, beg to offer the following, viz.—CHINESE ARBOR-VITÆ 3 feet, 2-yr. bedded, handsome plants, 40s. per 100, 6s. per doz. WHITE CEDAR, 3 feet, handsome, compact plants, 40s. per 100, 6s. per doz. TREE BOX, gold edged, 3 feet, 2s. per 100, 4s. per doz. A remittance or reference from unknown correspondents.

Rose Catalogue.

JOHN CRANSTON'S ROSE CATALOGUE for 1869 is now ready, and will be sent post free on application.
The Nurseries, King's Acre, near Hereford.

FIFTY THOUSAND TEA-SCENTED and NOISETTE ROSES, in pots, all the most popular and best kinds, at 9s. to 12s. per dozen. DESCRIPTIVE LIST on application.
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Established 1806.

T. HANDASYDE and DAVIDSON have a large stock of TEA, HYBRID PERPETUAL, ROUBON, and CHINA ROSES in pots. Special prices to the Trade on application.
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Paul's Roses.

"Mr. Paul's Roses" are things to see once and dream of for ever.—*Athenæum*.
WM. PAUL begs to announce that his ROSES are NOW IN BLOOM. Inspection respectfully invited. Trains from London, Bishopsgate Station, to Waltham, Great Eastern Railway, 13 times daily.
PAUL'S Nurseries & Seed Warehouse, Waltham Cross, London, N.

Standard Roses.

LEWIS WOODTHORPE having a most splendid collection this year, begs to offer them at the following low rates, with good heads, clear stems, and true to name:—**STANDARD ROSES,** the best sorts, including Maréchal Niel, &c., 45 per 100; 27s. 6d. per 25; 15s. per dozen.
CATALOGUES free. Wholesale prices upon application.
Munro Nursery, Sible Hedingham, Essex.

Paul & Son's New Rose Catalogue.

PAUL AND SON, the Old Nurseries, Cheshunt, N., have now ready Copies of their new LIST, post free on application. A Copy will in course of next week be forwarded to all Customers of the past three years. They state this to save their friends the trouble of applying.

Dwarf and Standard Roses.

FRANCIS & ARTHUR DICKSON & SONS have an immense stock (many thousands) of very strong well-grown plants of all the best ROSES, including ALL THE NEW VARIETIES for Autumn planting; also a large quantity of BRACKEN FLAWN, in pots, of the best sorts, which can be planted out at once. PRICED DESCRIPTIVE CATALOGUE sent free by post. Inspection respectfully invited.
The "Upton" Nurseries, Chester.

Gladioli—New Roses.

EUGÈNE VERDIER Fils Ainé, NURSERYMAN, 3, Rue Eugène, Paris, publishes in August and September of each year complete and descriptive CATALOGUES, with prices. They comprise all the finest and newest varieties of Gladioli, Peonies, and New Roses. Gratis and post free on application.

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Cemetery Nursery, Gravesend.

British Fern Catalogue.

ROBERT SIM will send, post free for six postage stamps, Part I. (British Ferns and their Varieties, 46 pages, including prices of Hardy Exotic Ferns) of his PRICED DESCRIPTIVE CATALOGUE OF BRITISH and EXOTIC FERNS, No. 7.
Foot's Cray Nursery, Sidcup Hill, Kent.

RAYNBIRD, CALDECOTT, BAWTREE, DOWLING, and COMPANY (Limited), CORN, SEED, MANURE, and OILCAKE MERCHANTS. Address, 26, Seed Market, Mark Lane, E.C.; or Basingstoke. Samples and prices post free on application. Prize Medal, 1851 for Wheat; 1862, for "Excellent Seed Corn and Seeds."

THE Cheapest and most Effectual of all Plants for Game and Fox Covert, PAMPAS GRASS. Surplus stock, strong, healthy Seedling plants, twice transplanted, 25s. per 100, or £12 per 1000, delivered free to Bealings Station.
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EVERY GARDEN REQUISITE KEPT IN STOCK at CARTER'S New Seed Warehouse, 237 & 238, High Holborn, London.

FRENCH MUSHROOM SPAWN.—Any one desirous of trying this article, can have a few flakes, free of expense, on application to
BARR and SUGDEN, 12, King Street, Covent Garden, W.C.

NEW RAPE SEED.—Samples and quotations of the above forwarded post free on application to
CHARLES SHARPE and CO., Seed Merchants, Basingford.

DRUMHEAD CATTLE CABBAGE, ENFIELD MARKET, IMPERIAL, and BATTERSEA CABBAGE, well rooted and extra fine, price 3s. per 100, carefully packed in crates, and delivered to the Railway Station direct.
S. WELLDAN, Surrey Gardens, Godalming, Surrey.

New English Sowing Rape Seed.

H. AND F. SHARPE have fine Samples of NEW RAPE SEED, which they can offer to the Trade at low figures. Price and samples on application.
Seed Growing Establishment, Wisbech.

Seed Potatoes.

H. AND F. SHARPE'S WHOLESALE LIST of all the new and best varieties of Early and Late POTATOS is now ready, and may be had on application. The quality is very fine, and prices low.
Seed Growing Establishment, Wisbech.

Early Sandringham Kidney Potato.

H. AND F. SHARPE are prepared to execute wholesale Orders for the above, which is the most prolific First Early POTATO grown. Being short in the haulm, it is more suitable for Forcing than any other variety. Prices and further particulars on application.
Seed Growing Establishment, Wisbech.

Oxonians but little likely to be explored by visitors, is one of the questions we should like to see discussed.

Fact number two is, that Dublin holds out the hand of fellowship. From across St. George's Channel a suggestion is wafted which assuredly merits attention. It is this, that the Royal Horticultural Societies of London and Dublin respectively should unite their forces, and hold a grand horticultural meeting in the Irish metropolis. The proposal is made in the current number of the *Gardeners' Record*, and the project, if carried out in the same spirited manner as that in which it is conceived, must of necessity prove successful. The success or failure of such gatherings depends in great measure, we may say almost entirely, upon the efficiency and completeness of the local arrangements. Exhibitors may fill the allotted space to overflowing with the products of their skill and industry—prize lists may be ample, crowds of visitors even may be forthcoming, but if the local arrangements be badly planned or imperfectly carried out, and specially if there be not harmonious co-operation between the local and the central authorities, the result is sure to be unsatisfactory, and in all probability will be discreditably to all concerned. It is very significant that in the very same number of the *Record* is a report of a meeting held in Dublin for the purpose of considering the propriety of establishing a horticultural club. This proposal, it appears, was well received, and is likely to be carried into effect. We infer from this that the prospects in Dublin of united action in matters horticultural are favourable. Every one knows the *emprosement* with which our Irish brethren take up a cause dear to them, and hence if it should be decided to listen to the persuasive tones of Erin, and hold a grand show in her metropolis, we shall have no cause to dread any lukewarmness in the matter. We shall revert to these subjects on a future occasion, and in the meanwhile we should be glad, in the interests of horticulture, to see the subject discussed in a manner commensurate with its importance.

— We are informed that at the MEETING of the ROYAL HORTICULTURAL SOCIETY to be held on October 5 the following prizes will be offered, viz:—

By W. WILSON SAUNDERS, Esq., V.P.R.H.S.—Collection of Edible and Poisonous Fungi, 5s., 3s., 2s. These should be tastefully set up, and, as far as possible, correctly and conspicuously named.

By Messrs. J. & C. LEE, F.R.H.S.—Best three bunches of Madresfield Court Black Muscat Grapes, 5s.

By the Society.—Grapes: three bunches of Chasselas Musqué (open), 1s. 10s.; three bunches of Muscat Hamburg (open), 1s. 10s.; three bunches of Frankenthal or Hamburg (open), 1s. 10s.; three bunches of White Muscat of Alexandria (open), 1s. 10s.; three bunches of Alicante (open), 1s. 10s.; three bunches of any new or recent variety (open), 1s. 10s.; the best collection, named (open), 2s. 10s.

— At the meeting of the Royal Horticultural Society on Tuesday next we are informed that Mr. HOOLEY, of Wollaton, near Nottingham, intends to exhibit some specimens of his CONQUEROR PRIZE CELERY, a variety which is said to be superior to all others. As the seed was not sown until the first week in April, and as the specimens to be exhibited are expected to weigh from 6 lb. to 7 lb. each, it may be fairly inferred that the variety is of quick growth as well as large size. After the exhibition at Kensington the specimens may be seen at the establishment of Messrs. BARE & SUGDEN.

— A paragraph appeared at p. 998 relating to the fall of a large BEECH TREE, in which accidentally nothing was said as to the condition of the roots. We have now examined them carefully, and we find on the larger fragments abundant white spawn which undoubtedly belongs to some *Polyporus*, and possibly to *P. adustus*, though that is not the only species which affects the Beech. On the smaller portions there is a granular brownish mass, the nature of which is very uncertain; it is also doubtful whether this is due to the exusion of sap from the decaying roots, or whether it is wholly extraneous. The question before us at present is, how shall we ascertain or even suspect that the roots are in an unsound condition, and so prevent the possibility of accident by timely removal? In general something wrong may be anticipated if the foliage assumes an unhealthy appearance, or if some of the branches perish, or if the trees become stag-headed. But this is not always an indication of total decay, and in the latter case it is the primary root which is the only one which is in general affected. We have seen many trees which have fallen in high winds from the roots being decayed either from the natural effects of old age or from the attack of Fungi, of which there was a remarkable instance a short time since in a fine Elm in the pleasure-ground at Kew. A few years since specimens, according very closely with those now before us, were forwarded by the late Sir W. MIDDLETON, who was anxious, if possible, to save some fine Beech trees which had assumed an unhealthy condition. We recommended then a close examination of the roots, and the removal of every one which was attacked by Fungus. We never heard what was the result of the examination and the supply of fresh compost, but if there were any sound superficial roots of sufficient size

we have little doubt that the treatment would have been effectual.* *M. J. B.*

— The LUCERNE DODDER, *Cuscuta hassiaca*, seems to be spreading here. We have heard of it in Cambridgeshire and elsewhere, and recently a correspondent forwarded us specimens from Adwell, in Oxfordshire. No doubt it has been introduced with foreign seed. Its clear orange stems, abundant pure white and exquisitely-scented flowers, make us, from our point of view, regard it as anything but a weed, though the farmer would no doubt join issue with us in this matter.

— The following letters appeared in the *Standard* of the 18th ult. The EFFECTS OF THE STORM described in the latter one are singularly similar to the effects of heat mentioned by a correspondent, writing from Penge, three weeks previously (p. 945):—"In reply to the correspondent in your journal of to-day, the Elm, Chestnut, Apple, Filbert, and many other trees and bushes in this neighbourhood, are all in the same state: the leaves on the western side of the trees are shrivelled, and quite brown and black speckled; on the other parts quite fresh and green. This is 30 miles from the nearest point of the sea. JOHN HILL, Westbury, Wilts, Sept. 16."—"The same extraordinary effects of the late gale as reported by your correspondent from Winterbourne, near Bristol, were very strongly marked here; though, as we are situated quite 45 miles from the nearest seashore, I cannot suppose the phenomena to be caused by the sea water, as he imagines. In my garden, on the W.S.W., or weather side, the trees and tall shrubs (particularly the Horse Chestnut and Damsons) were scorched and withered, exactly as though fire had passed over them; whilst on the opposite side they are still as green as ever. But the most remarkable feature in the matter is that though these trees and shrubs are standing on very high ground in my garden, and were fully and completely exposed to the fury of the gale, they are only thus withered and seared in the upper branches, and in no case are they injured within 9 or 10 feet of the ground; the lower branches of the Damsons and shrubs being still as green as ever. A. SHIBLEY, Chisleton, near Swindon, Wilts, Sept. 17."

— A correspondent sends us the following interesting communication relating to the production of COLOUR in LEAVES of the IVY-LEAVED PELARGONIUM, by simply bending the leaf-stalk:—"L'Élégante, the Ivy-leaved Pelargonium, makes a very nice cover for a pillar, or for a trellis. If, when it is 4 or 5 feet high, a leafstalk here and there be bent, so as not to impede the circulation entirely, the effect, after a few days, will be very good. The leaves on the injured footstalks become beautifully coloured with shades from pink to purple, and afford a fine contrast to the clear creamy white colour of the natural leaf. A. B." No doubt some of our readers will try this simple experiment, and if so they will be doing good service by communicating the results.

— In addition to the British exhibitors at the INTERNATIONAL HORTICULTURAL EXHIBITION at HAMBURG, to whom we have before referred, we may state that Mr. W. S. BOULTON, of Norwich, succeeded in carrying off no less than four prizes for garden implements and furniture, such as lawn-mowing machines, water barrows, engines, and chairs. Mr. BOULTON has also taken a Silver Medal for the best collection of horticultural implements, &c., shown by him at the International Industrial and Agricultural Exhibition now being held at Altona, in Sleswig-Holstein.

— Intending visitors to Chiswick will be glad to learn that the LARGE VINEY is now in fine condition. The Vines are in excellent health, and have produced this season about 4000 bunches, of a good average description. We understand that a photograph of the interior has recently been taken.

— Our funny friend, that is to say "FUN," has been perpetrating a piece of mischief at our expense. He has administered a playful whoak with his staff and bladder on our shoulders—all for fun of course, and so we will not be such ill-conditioned ourmudgons as to grumble at him, particularly as his assertions, like idle dreams, should be taken *contrarywise*; and we are far too fond of fun to grumble at it, even when it is Puckish. Here is what "Fun" says:—

"The 'Gardeners' Magazine' holds too high a position to be suspected of ulterior motives, when it condemns the Horticultural Society for making the *Gardeners' Chronicle* its exclusive and favoured organ. If the Society possessed a Journal of its own no one would complain, but that it should thus favour—if [ah!] the power of 'if'!—such questionable practices does favour—the *Chronicle* is disgraced to the Society and the periodical alike. It is as if the Agricultural Society, for instance, compelled its members to take in the *Daily Telegraph* by giving its reports to that journal. The Horticultural Society ought to be re-named. It is a sham under its present management. It is a Dilke and Cole-tural Society, and solely intended to promote the undertakings, glorifications, and periodicals of members of the clique. Oh! for another Peabody to relieve the other poor of London—poor art, poor science, poor horticulture! If he would buy up South Kensington, the garden, and the Museum, and convert them into a wilderness, he would not only avert disgrace from England, but give some chance of a regeneration in horticulture, science, and art."

Well, certainly this is about as funny a tissue of misunderstandings and misstatements as could well be woven, even by AUTOLYCUS or Mrs. PARTINGTON. We leave the Society, the *Telegraph*, the Museum to take care of themselves; but as to our not over courteous garden contemporary, we are not disposed, at his kidding, to take part in the revival of the Pickwickian farce of the "rival editors;" we would simply, in all good fellowship, ask him to make sure of his facts

* We suppose that our correspondent in stating the butt was 14 feet in diameter, included the soil which was torn up with it. We conclude that this must have been the case, as the tree is described as 11 feet in girth.

before he launches a diatribe against us. As it is, we entirely deny his allegation, and we do him a neighbourly turn—at least, we hope so—by telling him that the same sources of information are open to him as to us, that is, provided he be a Fellow of the Society, and avail himself of the privileges of his Fellowship by obtaining as we did, the sheets of the supposed defunct Journal in the manner provided by the regulations of the Society for that purpose enacted. For the sake of "Fun," who does not appear to be over well posted in matters horticultural, we append the following:—

Three journals, in three different ages born,
The spacious world of gardening do adorn:
Its even way the *Chronicle* pursues,
Promptly the "Journal" doth record the news;
The "Magazine"—the others doth abuse.
Add Ireland's "Gardeners' Record" for a fourth;
A "Farmer" and a "Gardener" in the north.
And in the south, besides the "Florist."
The "Field" for garden, farm, or forest.
Good luck to all the eight! Should there be more,
Here's to them all! and "Gard'ning to the fore."

New Plants.

MORMODES VARIABLE, sp. n.

Sepals late ligulatis acutis, petalis subaequalibus; labello brevi unguiculato hastato triangulo apiculato revoluta, limbo ciliolato valde piloso; flore aurantiaco (= aurantiacum) sae atropurpureo (= atropurpureum).

A many-flowered species, like *Mormodes Cartoni*, introduced first by Messrs. Backhouse, no doubt from Western South America, and afterwards by W. W. Saunders, Esq. (= *atropurpureum*), and Director Linden (= *aurantiacum*). The purplish variety is nicely spotted with darker spots on the lip.

CYPRIPEDIUM NIVEUM, sp. n.

Alf. Cypripedium concolori: sepalis dorsalis transversis ovato apiculato, sepalis inferiori ovato triangulo labello bene breviori; petalis ovatis apice bilobulo-emarginatis; labello obtusaeccato lobis implicitis obtusangulis; staminodii oblongo basi bicurvi, antice trilobis; foliis obscure viridibus, albido striatulis.—*Cypripedium concolor*, var. *niveum*, Rehb. l. in litt.

This is quite a little gem, having flowers like those of *Selenipedium Schlimii*, white, with delicate violet spots and a deep yellow blotch on the staminode. The question, whether it is a variety of *Cypripedium concolor* cannot now well be decided. The leaves are mottled in a very different way, there being very distant white stripes, on the dark green surface. Then the shape of the sepals is very different—and we remember how constant it is in *Cypripedium purpuratum*. The petals are much broader, shorter, and emarginate; the lip is rounder and shorter. We believe that ochre-coloured Orchids have little tendency to bear white flowers. Whatever may be the final decision as to the position of the plant, it is no doubt totally distinct from amateurs, who will certainly like it. It comes from India, having been the last Orchid that puzzled our much-lamented correspondent, James Veitch.

POLYCYCNIS LEPIDA, Lind. et Rehb. fil.

Racemo nutante plurifloro; rhachi volutina; bracteis lanceolatis acuminatis, dorso scabriusculis, ovaria velutina non attingentibus; sepalis ligulatis acutis calvis; petalis basi linearibus lanceolatis, labello postice triangulis obtusis, antice non angulatis, callo linearis antepiti antice angulato assurgente in disco, lacinia antica trinque obtusangula dein antice triangulo extensa, apiculata puberula; columna filiformi apice dilatata; androclinio postice obtusangulo.

A very interesting addition to the genus *Polycynis*. For a long time we knew it only from the inspection of some shrivelled flowers, and we hesitated to judge it fully. Having, however, lately had the opportunity of seeing the plant at the Hamburg show, and having seen in an adjacent room the true *P. barbata* (ill represented in Bot. Mag. as to the base of the lip) from Frau Senatorin Jenisch's garden, where it was grown by M. Kramer, we were able to see the scientific distinction of what the amateur sees immediately is different, without understanding what peculiarities of the flower are to be looked at in order to get characters. The flowers are very much like those of *Polycynis muscifera* in colour and shape, but a little larger and nearly as numerous. The aricles at the base of the lip are far more developed than in *P. barbata*, but straight, not curved, as in *muscifera*. The lip itself, however, is more like that of *P. barbata*, since there are no anterior angles to the side lacinia. The sepals of the old *barbata* are hairy outside, here they are glabrous. One might say it is a *Polycynis* with the nodding raceme of *barbata*, but with the flowers of *muscifera*. Yet it should be added that if much like these in the less elegant colours, they are a little larger, and have the side lacinia of the lip as in *P. barbata*. It is one of the interesting new Granadian discoveries, for which M. Linden has to thank M. Gustav Wallis. H. G. B.

HYPOCAUST HEATING.

SOME years ago an article appeared in the *Gardeners' Chronicle*, describing at some length a new mode of applying heat to glass structures, as well as to open spaces not always covered with glass. The plan in question is the invention of Mr. C. W. Martin, M.P., of Leeds Castle, Kent, and has been by him applied to the heating a range of houses in the gardens there, as well as to give warmth to a large piece of ground devoted to the growth of early vegetables, and such other things as will bear exposure to the open air, when the coldness of mid-winter is past. Mr. Martin, who is an ardent antiquarian, acknowledges taking the hint he has so successfully carried out from works of a

* We must apologise if, from the exigencies of our metre, we have omitted to specify any other of our friends. Perhaps "Fun" will oblige us with the loan of a poet.