

December 27, 1873.]

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# GARDENERS' CHRONICLE

AND

*M. D. ...*  
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# AGRICULTURAL GAZETTE

FOR

1873.

LONDON :

PUBLISHED FOR THE PROPRIETORS,

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

1873.

# THE GARDENERS' CHRONICLE AND AGRICULTURAL GAZETTE.

No. 18.—1873.]

SATURDAY, MAY 3.

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**Notice to Subscribers.**  
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**ROYAL HORTICULTURAL SOCIETY, SOUTH KENSINGTON, W.**  
NOTICE.—FLOWER SHOW, FRUIT and FLORAL COMMITTEE MEETING, on WEDNESDAY NEXT, May 7, at 11 o'clock. GENERAL MEETING at 3. Band of the Royal Horse Guards from 4. Admission 5s.

**ROYAL BOTANIC SOCIETY, Regent's Park.—**  
FIRST SUMMER EXHIBITION of PLANTS and FLOWERS, WEDNESDAY and THURSDAY, May 14 and 15. Tickets to be had at the Gardens only by orders from the Fellows of the Society, price 5s., or on the day of Exhibition, 7s. 6d. each. Schedules of Prizes and further particulars can be obtained by post.

**CRYSTAL PALACE.—THE GREAT FLOWER SHOW** will take place on SATURDAY, May 17. Schedules of Prizes and all information can now be obtained on application to the MANAGER, Crystal Palace.

**DEVON and EXETER BOTANICAL and HORTICULTURAL SOCIETY.—THE FIRST EXHIBITION** for the year will be held at EXETER on FRIDAY, June 20. Open Competition, without entrance fees, for Stove and Greenhouse Plants, Pelargoniums, and Roses. Schedules of Prizes may be obtained of the Honorary Secretary, T. W. GRAY, Esq., Queen Street Chambers, Exeter.

**SPALDING HORTICULTURAL FETE, FLOWER, FRUIT, &c. SHOW** will take place on THURSDAY, June 20. Special Prizes for complete Dinner-table Decoration by Gas-light. Full Band of Scots Fusilier Guards. Schedules on application to W. P. SALTER, Assistant Secretary.

**GRAND SHOW of FLOWERS, FRUIT and VEGETABLES**, to be held at HITCHIN, on JULY 24, under the conditions specified in Rule 1, in connection with the Hertfordshire Agricultural Horse and Poultry Show. Schedule of Prizes, Division A. A. open to all. For Schedules of Prizes, apply to Mr. W. LUCAS, Hon. Sec., Hitchin.

**SOUTHAMPTON HORTICULTURAL SOCIETY.**  
—GRAND SHOW of PLANTS, FRUIT, &c., AUGUST 2 and 4. The Schedule of Prizes—nearly £200 in value—will be forwarded on receipt of stamp. Application to C. S. FUIDGE, Secretary, Avenue, Southampton.

**GLAMORGANSHIRE HORTICULTURAL SOCIETY.—THE ELEVENTH ANNUAL SHOW** of PLANTS, FLOWERS, FRUITS, &c., will be held at CARDIFF, on WEDNESDAY, August 20. About THREE HUNDRED POUNDS will be given in PRIZES. Special feature in this year's Exhibition, Roses and Gladioli, for which handsome Prizes are offered. For information and Schedules, apply to Mr. W. J. GASKELL, Honorary Secretary, 12, Windsor Place, Cardiff.

**THE DUKE OF BUCCLEUCH VINE.—The weather** being so cold, I will not begin sending out this Vine till about the middle of May. W. THOMSON.  
Tweed Vineyard, Clovenfords, N.B.—April 29.

**CHARLES NOBLE**, having no room for 60 POT VINES, strong, 4 to 6 feet long, in 8-inch pots—Mrs. Pince, Black Hamburg, Golden Hamburg, Royal Ascot, &c., all in first-rate health—will sell the lot (take out of pots) for 70s., packing included.

**British Fern Catalogue.**  
ROBERT SIM will send post free for six postage stamps, Part I. (British Ferns and their varieties, 36 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.

The "Gardeners' Chronicle" in America.  
**THE ANNUAL SUBSCRIPTION to the GARDENERS' CHRONICLE AND AGRICULTURAL GAZETTE, including Postage to the United States, is £1 6s.**

**RICHARD SMITH'S LIST of the NEW ROSES** of 1873 contains all the best sorts, with raisers' descriptions, including Madame Lacharme, the finest white Hybrid Perpetual ever offered; also Perle de Lyon, said to be superior to Maréchal Niel.  
RICHARD SMITH, Nurseryman, Worcester.

**1872. DESCRIPTIVE CATALOGUE of Selected ROSES**, by JOHN CRANSTON. Copies can now be had, free by post, on application.  
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**New Roses for 1873.**  
**JOHN CRANSTON'S LIST of NEW ROSES** for 1873 is now ready. It contains a selection of all the best New Roses introduced this season, with full descriptions by the raisers.  
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**TEA ROSES.**—In the middle of May Messrs. JOHN STANDISH and CO. will have 5000 Niphetos to offer, and will then be prepared to execute orders for them; also for ANY QUANTITY of all the other best and newest varieties. Names and prices on application.  
Royal Nurseries, Ascot, Berks.

**New Verbenas.**  
**CHARLES TURNER** is prepared to supply Perry's Set of Seven fine varieties for 14s.  
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**Verbenas, Verbenas, Verbenas.**  
**PHILIP LADDS** is now sending out VERBENAS, in Pots, to the Trade only, at 1s. per dozen, package included. Cash with order.  
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**Fuchsias, Petunias, Verbenas.**  
**W. KNIGHT** has a large stock of many of the leading varieties of the above, in strong, healthy, clean plants. Price per dozen, 10s. or 100s. on application.  
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**To the Trade.**  
**SEED ESTABLISHMENT,**  
WOOD GREEN,  
LONDON, N.

**To the Trade.**  
**DOWNIE, LAIRD and LAING'S SPECIAL LIST** of NOVELTIES for the present season is now ready, and will be forwarded post free on application.  
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**Notice.**  
**WM. CUTBUSH and SONS** Descriptive Priced CATALOGUE of GARDEN and FLOWER SEEDS, CLADIOLI, &c., is now ready, post free on application.  
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**JEAN VERSCHAFFELT'S Nursery, 134, Faubourg de Bruxelles, Ghent, Belgium.** CATALOGUES to be had free from his Agents, Messrs. R. SILLERAD and SON, 5, Harp Lane, Great Tower Street, London, E.C.

**New Catalogue of Plants and Cuttings for 1873.**  
**GEORGE POULTON'S** Priced Descriptive CATALOGUE of the above is now ready. Sent post free for one stamp.  
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**MESSRS. JOHN STANDISH and CO.** can offer nice Plants of the above at from 3s. 6d. to 15s. each.  
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**VIENNA. SUTTONS' GRASS SEEDS.—**  
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**LONDON. MESSRS. SUTTONS' SEED MUSEUM,**  
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Also SEEDS for One or Two Years Lay, at a lower price.  
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**To the Trade.—Turnip Seed.**  
**BANGHOLM SWEDE.**—The Undersigned have a very fine Stock of this celebrated Swede. Prizes given on application, for this and all the other varieties of Turnips.  
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**H. AND F. SHARPE** are prepared to make SPECIAL offers of the Trade of all the best varieties of MANGEL WURZEL and TURNIP SEEDS, grown from selected Bulbs, and of crop 1872. Seed Growing Establishment, Wisbech.

**To the Trade.**  
**GREEN ROUND TURNIP.**—Seed of this Turnip—which is so much prized in many parts of the West of England—can be had, perfectly true to name, from the Undersigned. It is quite distinct from the Green Globe variety.  
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**AGRICULTURAL, GARDEN, and FLOWER SEEDS.**—Special prices and advantageous offers of the above on application to ALFRED LEGERTON, Seed Merchant, 5, Aldgate, London, E.

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JAMES GARAWAY and CO., Durdham Down, Bristol.

**LILIUM AURATUM.**—Large Importations have arrived from Japan, and can be supplied by the dozen, hundred or thousand, at Mr. WILLIAM BULL'S Establishment for New and Rare Plants King's Road, Chelsea, London, S.W.

**NEW WHITE GERANIUM, WHITE CLIPPER.**  
N has the splendid habit of the Scarlet Clipper, giving large trusses of the most perfect large round white flowers in great profusion. Admirable for bedding or forcing. Large autumn-struck plants, post free, 5s. each.  
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**JAMES HOLDEN'S** unrivalled COLLECTION is IN BLOOM from FEBRUARY until SEPTEMBER. Strong Plants ready at the following low prices for cash:—100 choice distinct sorts, 50s.; 150 sorts, 30s.; 250 sorts, 20s. Hamper and package included.  
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**FOR SALE**, a large quantity of good FIBROUS LOAM, at 5s. per load.  
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**To the Trade.**  
**ASPARAGUS.**—A large quantity of 3-yr.-old and extra strong, at tempting prices.  
JAMES BIRD, Nurseryman, Downham.

**GIANT ASPARAGUS PLANTS**, the best that money can procure, all certain to grow, 2s. 6d. per 100. This delicious Vegetable does not require half the expense usually incurred in planting it. See RICHARD SMITH'S SEED LIST for 1873.  
RICHARD SMITH, Nurseryman, Worcester.

**The Finest Broccoli in Cultivation.**  
**COOLING'S MATCHLESS.**—Fine large, compact heads; pure white, and self-protecing. First-class Certificate Royal Horticultural Society. Full description in *Gardeners' Chronicle* of December 2 and 9, 1872, and January 18, 1873. Price 1s. 6d. per packet, post free. Trade price on application.  
GEORGE COOLING, Seedsmen, Bath.

**SEED POTATOS for SALE.**—Myatt's Prolific, Rivers' Royal, Old Ashleaf, Norfolk Champion, Patterson's Victoria, Flukes, Early Shaws, Early Goodrich, Red Bogs, Dalma-hoy, Regents, Rocks, and many other kinds of SEED POTATOS, at very moderate prices. Apply to JOSIAH H. BATH, York Street, Borough Market, S.E.



but during the remainder of the week the amount was very variable.

In England the extreme high day temperatures ranged from 68½° at Eccles to 56° at Norwich and Hull, the general average all over the country being 63½°. The extreme low night temperatures varied from 33½° at Liverpool to 26½° at Portsmouth, the general average being 29½°. The range of temperature was 33½°, varying from 41½° at Eccles to 26° at Hull. The mean high day temperatures ranged between 56½° at Nottingham and 48½° at Norwich, with a general average of 53½°. The mean low night temperatures varied from 36½° at Liverpool and Leeds to 31° at Portsmouth, with an average value of 34°. The mean daily range of temperature was 19½°, being as great as 23½° at Portsmouth, Nottingham and Eccles, and as small as 15½° at Norwich. The mean temperature for the week was 42°, the highest being at Sheffield and Leeds (43½° respectively), and the lowest at Norwich (39½° nearly). Rain fell at Sheffield to the amount of nearly half an inch, being the largest amount recorded. At Hull a little more than a quarter of an inch was measured, but at Portsmouth and Birmingham no rain fell, the average amount over the country being but 12-100ths of an inch. Frequent and heavy snow showers prevailed at Bristol, Birmingham, Wolverhampton, Leicester, Manchester, Bradford, and Hull, on April 23, 24, and 25. An aurora borealis was seen at Norwich on the 21st, between 9 and 10 P.M. A solar halo was seen at Liverpool on April 26. The weather at the beginning of the week was fine, but towards the end it was cold, with N.E. winds and heavy snow showers.

In Scotland the highest temperatures ranged from 68½° at Glasgow to 50½° at Aberdeen, the lowest temperatures varied from 33° at Leith to 28½° at Paisley, their averages being 60½° and 30½° respectively. The mean temperature for the week was 43°, the highest being at Glasgow, 44½°, the lowest at Aberdeen, 40½°. Rain fell to the amount of a quarter of an inch nearly at Aberdeen, but at Edinburgh and Paisley none was measured, the average fall over the country being 6-100ths of an inch.

At Dublin the highest temperature was 63°, the lowest 26°, the mean 43½°, and rainfall 0.00.

We understand that Mr. TURNER, the Royal Nursery, Slough, intends exhibiting at the Royal Horticultural Society's show, on Wednesday next, a full collection of ALPINE and SHOW AURICULAS, including some new varieties. Some of the NEW BELGIAN AZALEAS, alluded to by a correspondent in our last issue, may also be expected to be seen there.

New Garden Plants.

CYPRIPEDIUM ARGUS, nov. sp.

(Coriifolia tessellata.) Pedunculo elongato; bractea ovarium longe non aequante; sepalis supremo impari a basi late oblonge triangulo, sepalis lateralibus connatis acutis labello bene brevioribus; tepalibus ligulatis obtuse acutis porrecto divaricatis ciliatis; labelli sacco juxta ostium retusum utrinque angulato; staminodis semiorbiculatis antice retuso medio apiculato utrinque argute unidentato.

A Cypripedium in the way of C. barbatum, Lindl., but with very pale colours, enlivened by many dark blackish brown spots over the whole surface of the ciliate white petals, which have green veins and a brownish purplish apex. The plant is very remarkable, having the well-known upper sepal of Cypripedium purpuratum, Lindl., combined with the staminode and general appearance of C. barbatum, Lindl. A rigid botanist might call it an intermediate connecting link. I have not seen many specimens of Cypripedium purpuratum, but very many of C. barbatum in many varieties, all of which were constant in their circular upper sepal and in their staminode. It is not a grand Orchid, but it is a very curious addition to this lovely genus, that should be much recommended to beginners in collecting, since they are generally (excepting poor C. Fairrieanum) severely managed. It was discovered by Mr. Wallis when travelling for Messrs. Veitch. It flowered in April, 1873, and is believed by those gentlemen to come from Penang, while, I believe, Mr. Wallis told me it came from the Philippines. To get certain information we must wait till we meet Mr. Wallis once more. It is named Argus in allusion to the numerous eye-like spots on the petals. H. G. Rehb. f.

STARRY PUFF BALLS.—V.

(Concluded from p. 577.)

10. Geaster Michelianus, nov. sp. (fig. 115).—This is undoubtedly the finest Geaster in our flora, and at present has only been found in one locality, viz., amongst Rhododendrons at Castle Ashby, by Mr. Beech, the Marquis of Northampton's gardener; it has several times been sent to the meetings of the Royal Horticultural Society, and has been referred to under the name of G. tunicatus, Vitt., by Berkeley, in the Annals of Natural History (No. 1306), and under that of G. lagenæformis, Vitt., by Cooke, in his Handbook. The latter plant is now known to be British, and is quite different from G. Michelianus, a cut of which (taken from a hasty sketch by Mr. Fitch) accompanies the description of G. lagenæformis, Vitt., in Cooke's Handbook. We are indebted to the constant kindness of Mr. Berkeley for being at last able to identify the Castle Ashby

Geaster as the first plant of Micheli, and to publish it under a correct name, viz., G. Michelianus. Dried specimens have been issued with the Erbario Crittogamico Italiano (343 and 979), gathered in 1862 and 1869, and published under the name of Geaster tunicatus Michelianus, and from a careful examination of these plants and their fruit we can find no characters of moment to separate them from ours. Our plant is undoubtedly the Geaster figured by Micheli in the Nova Plantarum Genera, t. 100, f. 1, under the name



FIG. 115.—GEASTER MICHELIANUS.

Half actual size; section of inner peridium real size; spores x 700 diam.

of Geaster major umbilico-fimbriato (though Fries erroneously refers this plant to G. fimbriatus), and is the same with the G. tunicatus Michelianus of the Erb. Critt. Ital. There is, however, such an endless confusion of names, synonyms, poor figures, and imperfect descriptions of this, and one or two allied plants, that we publish Geaster Michelianus as a new species, and consider our British plant as the same with Micheli's figure (t. 100, f. 1), the same with the dried specimens in the Erb. Critt. Ital. 343 and 979,

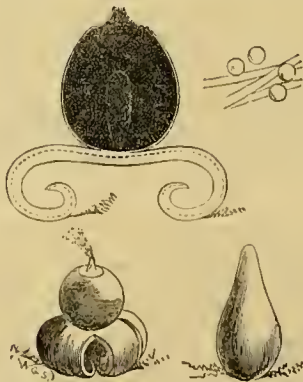


FIG. 116.—GEASTER LAGENÆFORMIS.

Half actual size; section real size; spores x 700 diam.

and distinct both from G. lagenæformis, Vitt., and G. tunicatus, Vitt.

The following description is prepared from fresh British specimens:—Outer peridium pale buff, thick, fleshy, generally splitting into five or six sub-equal laciniae, clothed on the outside with a thin dark brown bark, which again splits into elegant honeycombed patterns; inner peridium pale slaty buff, spherical; mouth prominent, obtuse, dentate, paler in colour than the body of the inner peridium; spores slightly tuberculoso-echinulate, .00014" diameter (in which measurement the English and Italian specimens exactly agree). When mature, and when the outer peridium bursts,

this plant throws itself sometimes 9 inches away from its place of growth. The way in which the base of the inner peridium is seated on the centre of the stellate outer peridium is very extraordinary.

11. Geaster lagenæformis, Vitt. (fig. 116).—We are indebted to Mr. Edward Parfitt, of the Devon and Exeter Institution, for the materials wherewith to figure and describe this elegant and distinct species. Hitherto it has not been published as British, though we believe we recently had the same plant sent us from Norfolk through Mr. Charles B. Plowright. Mr. Parfitt's specimens were found in Stoke Wood, near Exeter, in November, 1868; one or two were afterwards seen in the same locality in 1869, but since that time they appear to have vanished from the spot.

The following is Vittadini's description:—"Outer peridium splitting to the middle, in nearly equal acuminate laciniae, inner stratum very thick, evanescent. Inner peridium sessile, flaccid; mouth determinate, plano-conic, ciliato-fimbriate, columella rather long, clavate." Mr. Parfitt adds to this:—"Outer peridium white, with furfuraceous brown scales towards the base, at length expanding into six rigidly recurved laciniae; these sometimes again dividing so as to make six or eight more lesser segments; inner stratum very thick and brittle, cracking on the least pressure being applied. When the laciniae first expand, the inner stratum is a beautiful rosy-white colour. Inner peridium about two shades darker in tint than the inner stratum, and appearing under a lens to be finely felted together; round the mouth a depressed ring, in which the felted appearance is more strongly developed, directed upwards and forming the mouth, which is conic, nearly smooth and very finely fimbriated." The Exeter plants exactly accord with Vittadini's published figure.

In infancy the plant strongly resembles an antique jar with narrow mouth, hence the specific name. The spores are perfectly round and smooth, thus differing from the majority of Geasters, and measure .00012" diameter.

Mr. Parfitt has kindly furnished sufficient dried materials for recognition to the Royal Herbarium at Kew and the herbarium at the British Museum. The Kew herbarium now possesses nine of the 11 British species, being deficient of G. coliformis, P., and G. mammosus, Chev. The British Museum has one more plant than Kew in a capital specimen of G. coliformis, P. (the Bloomsbury G. mammosus not being Sowerby's plant). Out of the nine British species at Kew, and the 10 at the British Museum, six each have been indirectly furnished through correspondents of the Gardeners' Chronicle. Worthington G. Smith.

Notable Gardens.

MESSRS. STANDISH & CO., ROYAL NURSERIES, ASCOT.—There are a few floral features about these nurseries that are well worthy a slight notice. Foremost among these are the Cinerarias, for the value of which this firm has gained some notoriety. They can now be seen growing in large quantities in cold frames, and they are distinguished by their compact, free-branching habit, finely formed, and rich-hued flowers, represented by many pleasing shades, and by their great substance. It would be a very easy matter to select from them a dozen varieties, quite distinct, and so thoroughly good as to be worth naming, which could hold their own against the cultivated varieties of the best raisers. There is clearly perceptible a steady advance in the tricolor section, as they are termed, and it is the ruling characteristic of these to have a circle of white, sometimes narrow and sometimes broad, forming a zone round the disc; thea a distinct ring of some bright colour, shaded off into a marginal colour of a deeper hue. Splendidly coloured self flowers are also comprised, and snow-white selfs, that are perhaps more wanted than any other colour among Cinerarias.

Spring-blooming Clematises—varieties raised mainly from C. Standishii fertilised with others—are in large numbers at the Ascot nurseries, many of them possessing hues of violet and blue, colours wanted in the early-flowering section. There is just a danger of being overdone with these beautiful flowers just now, as many new varieties are being introduced; but Mr. Standish asserts that some of his have quite a distinctive character of their own, and that they cannot fail to be acquisitions. It is singular to note that though C. Fortunei has been much employed by Mr. Standish as a pollen parent, no double flower has yet appeared among the numerous progeny. A large quantity of these Clematises have just been sent to Birmingham, for the purpose of being planted in a portion of the large tent used by the Royal Horticultural Society on the occasion of the great provincial show in June last—Mr. H. G. Quilter, with that characteristic enterprise which shows itself in all his doings, having roofed in a good portion of the tent with glass, and is having it planted with these Clematises and early flowering Rhododendrons. C. Lucie Lemoine is grown here as the best, as it is the only, pure white double Clematis in cultivation.

Forced Roses for the provision of cut flowers are most extensively grown at Ascot, while the propagation of varieties, such as the choice Tea sorts, for sale, is something marvellous. There are two white Hybrid Perpetuals that are largely grown for cut flowers, viz., Boule de Neige and Coquette des Blancs. The