THE

-----

# GARDENERS' CHRONICLE

# A Wacekly Hllustrated Iournal

OF

# HORTICULTURE AND ALLIED SUBJECTS.

(ESTABLISHED IN 1841.)

VOL. XV.-THIRD SERIES.

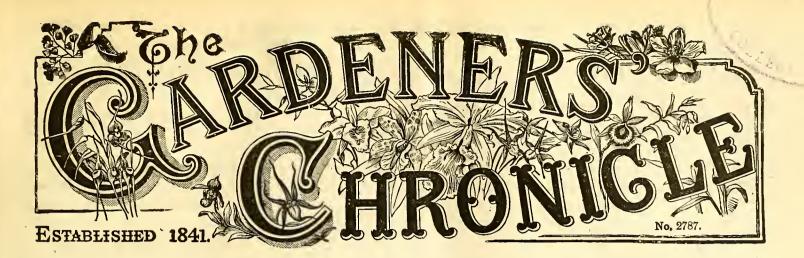
JANUARY TO JUNE. 1894.

LONDON: 41, WELLINGTON STREET, COVENT GARDEN, W.C. 1894.

.

.

.



NT <sub>a</sub>	-907	Vor	$\nabla \nabla$	THIRD	
110.	001	- V OL.	ΔΥ.	SERIES.	r

# SATURDAY, MAY 26, 1894.

## CONTENTS.

Books, notices of-	1	Plants,	new	or	note-	
Journal of the Kew			worthy	r—		
Guild	660	Brachy			Iors-	
Manual of Orchidaceous		field	ii			652
plants, part X	657	Myros	ma nai			652
Practical botany for		Raspberr				661
beginners	660	Rosarv.				656
Brussels, round	662	Sociaties				
Cypripedium Annie Mea-		Royal	Ho	rticul	tural	
aures	657				660-	-533
Dendrohium glomeratum	653	Tea cul	tivatic	n in	the	
Florists' flowers	651	United	i State	а		656
Forestry-		Tample S	Show.	the	660-	-663
Oak hark season, the	656	Tomatos				660
Gardening in Egypt	651	Vine bor	ders			655
Hartstongue Fern, an		Weather		l re	sults	
aposporous	652	from t		·		664
Kew notes	655	Washle	-			
Na'al, the weather in	661	Week'a				050
Orchid notes and glean-		Apiary				659
ings-		Flower				658
Cochlioda Noezliana	653					658
Cypripedium seedlings	654	Hardy				658
Dendrobium formosum		Kitche				659
giganteum	654	Orchid				658
Lælia purpurata		Plants	uuder	grass	•••	659
(Clarke's variety)	653	Widdrin	gtonia	W	hytei	
Plant-lood in soils	654	in Nat	al			661
			•			
ILLU	BIK	ATION	æ.			
Conservatory Chapel at La	aeken					661
Cypripedium Annie Measu	ares					657
Dendrobium glomeratum						653
Greenhouse, a travelling						667

ADVERTISERS will greatly assist our efforts to get to Press earlier, by forwarding their favours as EARLY IN THE WEEK as possible.

H. CANNELL AND SONS, Swanley, Kent.— All who are deeply interested in the Garden, are cor-dially invited to "COME AND SEE" ours, the most complete and interesting Horticultural Establishment prohabily in the country; our Seed-grounds in particular. CATALOGUES free.

PRIMULAS! PRIMULAS! PRIMULAS!

PRIMOLAS: FRINCOLAS: FRINCOLAS: 26th year of Distribution. Williams' superb Strain, 1s. 6d. Ler dozen; 10s. per 100. CINERARIAS, same price; also DOUBLE WHITE PRIM-ULAS, 6d. each. Package and Carriage free for Cash with Order.-JOHN STEVENS, The Nurseries, Coventry.

GENISTAS from stores, bushy, 5s. 6d. per 100; 50s. per 1000. Plants for Conservatory decoration, in flower and bud. CARNATIONS, finest sorts, 9s. per dozen. PELARGONIUMS, 9s. per doz. MARGUERITES, White and Yellow, 9s. per dozen.-WALSHAW AND SON, Scarborough.

DAHLIAS.-Named, strong, in pots, Double, Pompone, Cactus, or Single, my selection, 12s. per 100. Terms, cash; stamp for reply. HOWARD'S NURSERY, Cambridge Road, Walthamstow.

CURTIS' BOTANICAL MAGAZINE, Vols. 1 to 15, New Series, and 35 and 36 Old Series, bound, good condition. What offers? H. J. WHEELER, F.R H.S., Warminster, Wilts,

ORCHIDS.—New Catalogue of, showing the temperature required for different Orchids, post-free. Nothing but Orchids, but everything pertaining to Orchida. THE LEEDS ORCHID COMPANY. Rounchay, Leeda.

BOUVARDIAS.-Leading sorts, P. Cleveland, Vreelandii, Hogarth. fi.pl.; Jasminoides, &c., well-rooted stuff, fit for 3-inch pots, 2s. 6d. per doz., 12s. 6d. per 100. Cash with Order. CRANE AND CLARKE, The Nurseries, Morch, Cambs.

The Best Present for a Gardener. VINES AND VINE CULTURE. The most complete and exhaustive Treatise on Grapes and their Culture ever published. Third Edition just out. Price 5s., post free, 5s. 6d. A. F. BARRON, Royal Horticultural Society, Chiswick.

# For Present Sowing.

SUTTON'S CALCEOLARIAS. — The finest atrain in existence. Awarded a

SILVER-GILT FLORA MEDAL by the Royal Horticultural Society at the Drill Hall Show, May 8, 1894.

SUTTON'S CALCEOLARIAS.—The Daily News, referring to our display at the Drill Hall Show. May 8, 1894, says: -" There were two varieties, the 'Cloth of Gold' flanked by the 'Perfection,' and between them it was difficult to choose, for both were of exceeding heauty, and every plant a mass of gorgeous bloom." The display brought the Firm a

# SILVER-GILT FLORA MEDAL.

SUTTON'S CALCEOLARIAS.—The finest strain in existence. Price of seed, 3s. 6d. and 5s. per packet, post-free.

SUTTON'S SEEDS, GENUINE ONLY DIRECT FROM SUTTON AND SONS, THE QUEEN'S SEEDSMEN. READING.

BOUGAINVILLEA GLABRA VAR. SAN-DERIANA. (First-class Certificate, Royal Horticultural Society, April 24th, 1894.) – A fine free-flowering and hrilliantly coloured variety of this old well-established favourite. Strong young plants, 5s. each. HUGH LOW & CO., Clapton Nursery, N.E.

DAHLIAS: Two Grand New Fancies for 1894. DAHLIAS: Two Grand New Faucies 101 1007. Fine Novelties and very distinct, "S. Mortimer" and "Mrs. Mortimer." Certificate of Merit, R.H.S. Price, 75. 6d. each. Show and Fancy Dahlias, in 50 rest varieties, 203. per 100; 45. per dozen. FUCHSIAS, in 50 best varieties, atrong-rooted cuttings, 85 per 100. Cash. Catalogues on application. S. MORTIMER, Swiss Nursery, Farnham.

FERNS.-Pteris cretica and cristata, 10s. per H 100; P. tremula, 11s. per 100. Strong hushy plants in thumbs ready for potting in 48-pots. Cash with order. -CRISP AND JONES, Zennor Road Nursery, Balham, London.

ETTON ROSE," the best horder CARNA-

TION. - Colour rosy-pink. Very hardy, and an abundant hloomer. Strong healthy plants from small pots, or open ground. For price, &c., please apply to G. DRABBLE, Ketton Hall Gardens, Stamford,

HENRY RIDES, SALESMAN, Avenue, Covent Garden, W.C. Highest Market Prices. Prompt Cash. Centre

Pr.ze Cob Filberts and other Fruit Trees.

M R. COOPER being about to leave the neigh-M bourhood of Reading, is prepared to receive offera for portions, or the whole of his Stock of Fruit Trees, to be ra-moved in the autumn. May be viewed at any time, and address GEOROE WAITE, the Foreman, Calcot, near Reading. Rapeseed and White Mustard for Sowing Purposes.

Hapeseeu and white mutata for soving Purposes. H. & F. SHARPE have to offer fine, clean, MUSTARD, specially selected for sowing purposes, and will be pleased to submit samples and prices on application. SEED-GROWING ESTABLISHMENT, WISBECH.

ORCHIDS.—Many rare and ohoice Cattleyas, Cypripediums, Odoutoglossums, &c., always in stock. Inspection invited. CATALOGUE free.

W. L. LEWIS AND CO., Chase Side, Sonthgate, London, N. FOR SALE, 50,000 SINGLE DAFFODILS. Apply for price and sample to-J. W. CROSS, Bulb Merchant, New Walsoken, Wisbech.

WANTED, Copics of the "GARDENERS' CHRONICLE" of the following dates :-January 7, 1888; January 5, 1889; and January 11, 1890. THE PUBLISHER, 41, Wellington Street, Strand, W.C.

To Gardenars. Nurserymen, &c. WANTED, FERN SEED.—State quantities, price, and varieties to— W. COOPER, Horticultural Provider, Feltham, Middlesex.

POLYGONUM SACHALINENSE.—I have a few dozens eprouted Rhizomes to offer of the above plant, 4s. 6d. per doz., packed free. R. MARIES, Florist, Lytham, Lancashire.

[Regt. as a Newspaper. { PRICE 3d.

SUPERB ORCHIDS, CHEAP.-Thousands to select from. Write for LIST, free. P. MCARTHUR, The London Nursery, 4, Maida Vale, London, W

50,000 EUONYMUS, Green and Golden, all aplendid bushy plants.-GREEN: 12 in. to 15 in., at 30s. per 100; 15 in. to 18 in., at 40s. per 100; 38 in. to 21 in., at 55s. per 100; 21 in. to 24 in., at 75s. per 100; 10 in. to 40 in. at special prices. GOLDEN: 5 in. to 12 in., at 3s. to 8s. per dozen. Cash with order. J. J. CLARK, Goldstone, Brighton.

**DOLYGONUM SACHALINENSE. - I can** Plant, which is very ornamental in a garden for blocking out a wall or fence, 30s. per 100, or 4s. per dozen. Long account and drawings appeared in the gardening papers during the summer of 1893. T. CHRISTY, Malvern House, Sydenham, S.E.

Important to Muchroom Growers. NUTHBERT'S SPÉCIALITÉ MUSHROOM U SPAWN. Alwaya alike; most productive. Hundreds of testimonials. Per bushel, 5s. R. AND G. CUTHBERT, Seed, Bulb, and Plent Merchant, Southgate, N. Established 1797.

Southgate, N. Established 1997. BEDDING GERANIUMS, in 60-size pots. -Saveral thousand of the following varieties: Tricolor Sophia Dumareque: Bronze, Marshal MacMahon and George Peabody; Scarlet, Veauvius and West Brighton, Fink, Rohert Hayes. Tricolors, 20s. per 100; all other vars., 16s. per 100. Free on rail in London. 6d. per case of 50 charged for hores. G. MESSER, Hyde Side Number, Lower Edmonton, N.

G. MESSER, Hyde Side Nursery, Lower Edmonton, N. SPRING CLEARANCE SALE, AT CHEAP PRICES, All sent Carriage Paid, on receipt of remittance. Splendid Large - flowered GLADIOLI, mixed, heautiful coloura, per 100, 12s. 6d.; per dozen, 2s. Fine Mixture of GLADIOLI, 8s. 6d. per 100. Splendid named varieties of Large-flowered French GLADIOLI, per dozen, 3s. 6d., 5s. 6d., and 7s. 6d. New Large-spotted Hutterfly GLADIOLI, heau-tiful named sorts, per dozen, 3s. 6d. and 5s. 6d. ANEMONE FULGENS, the Scarlet Windflower of the Riviera, per 100, 5s. 6d. Beautiful Sweet-scented TUBEROSES, per 100, 12s. 6d.; per dozen 2s. BARR AND SON, King Street, Covent Garden, W.C.

FERNS and DECORATIVE PLANTS !-FERNS and DECORATIVE PLANTS !--(TRADE):-Ferns, in 24-inch pots, Stova and Green-house, 30 hest aelling corts, 122, per 100; Stores, 63, per 100; large ditto, in 45%, 10 best selling sorts, 63, per dozen, Adiantum cuneatum, in 45%, for cutting (value in fronde), 65, and 85, per dozen; ditto, for making large plants quickly (bushy), 165, and 25, per 100. Aralnas, Grevilleas, Rhodanthe, Cyperna, in 46%, 65, per dozen. Ficus, Palme, Dracenas, Pelargoniums, Hydrangeas, 1s, each. Spirzeas end Heliotrope, 94. each. Paaked Iree, Cash with Order. List free -J. SMITH. London Fern Nurseries, Loughborough Junction, London, S.W.

G ISHURST COMPOUND, used since 1859 G Inshi Orksi Cohirdound, used since 1859 for Red Spider, Mildew, Thrips, Greenfly, and other blight; 2 ounces to the gallon of soft water, 4 to 16 ounces as a winter dressing for Vines and Orchard-house trees, in lather from cake, for American blight, and as an emulsion when paraffin is used. Has outlived many preparations intended to appersede it. Boxes, 1s., 3s., and 10s. 6d.

GISHURSTINE keeps Boots dry and soft on Wholesale from PRICE'S PATENT CANDLE COMPANY (Limited), London.

HORTICULTURAL SHEET GLASS, stock Lists and Prices on at plication. GEORGE FARMILOE AND SONS, Lead, Glass, Oil, and Colour Merchants, 34, St. John St., West Smithfield, London.

J. WEEKS & CO., Horticultural Builders to Her Majesty, H.R.H. the Prince of Wales, H.M. Government, Admiralty Dept., War Dept., Royal Hort. Soc., Royal Hotanic Soc., Parks and Public Buildin., a, Patentees of the Duplex Upright Tubular Boilers, King's Rd., Chelsta, S.W.

## 663

# SOCIETIES.

# ROYAL HORTICULTURAL.

## The Temple Show.

May 23, 24, 25 .- The day of great expectations of the Royal Horticultural Society has come, and with it a slight change from the recent wintry weather that has been disastrons in so many ways to the horticultural community of this country.

The Temple grounds and the tents, sodden with rain, contrasted greatly with the trnly summer aspect of everything on the occasion of the show last year; but inside the tents, which by the way were larger in number than last year, all was beauty of flower and leaf.

The various classes of decorative plants now in fashion showed the marked difference between the demands of to-day, as compared with so recent a great show as that held by the Society in 1866. The portability of the subjects grown now is in great contrast to those of that date, as is also their suitability for cutting purposes, and with some few exceptions their general utility.

The large marquee was set apart for groups of plaats, Ferns, Caladiums, Roses, Palms, and in the central part solely for Orchids.

#### Floral Committee.

Present: W. Marshall, Esq., in the chair; and Messrs. G. Paul, E. Molyneux, W. Bain, C. J. Salter, H. B. May, J. D. Pawle, G. Stevens, J. H. Fitt, E. Beckett, J. Jennings, J. T. Bennett-Poë, R. Owen, Rev. E. Handley, E. Mawley, H. Herbst, J. Walker, R. B. Lowe, C. Jeffries, T. Godfrey, and R. Dean.

#### NEW PLANTS.

MESSRS. F. SANDER & Co., St. Albans, showed a rather large number of new plants, amongst which were noted Bougainvillea glabra Sanderiana, previously noticed in these columns. Hippeastrum stylosum, an old species brought again to the light. It has a six-flowered scape of salmony-red blooms closely set with red lines on a white ground, which impart a suffased appearance to the flowers. Several Sonerilas were shown which, while differing in the markings, bear a general resemblance to each other. These were H. Walter, W. P. Boad, E. Bohnhoff, and Duke of York. Plants previously remarked upon by us were Alocasia Watsoniana, Heliconia illustris, Dracæna Sanderiana, and D. thalioides, shown for comparison. It certainly bears but little resemblance to D. Sanderiana.

Ptycorhaphis Augusta is a pretty species of Palm, with a pinnate leaf, the pinnæ narrow and pointed; Browallia speciosa major, a dwarf plant with blue flowers, produced in the axils of the leaves near the Colens, of which Empress of India was striking from the rich shades of crimson present in the leaf; other Coleus were Princess Bestrice, Princess May, Duke

of York, and Mrs. F. Sander. Strobilanthes Dyerianus, a plant Certificated April 25, 1893; Nepenthes Mastersiana superba, with fine large crimson pitcher and operculum, wing but slightly bristled; Microstylis, new species, with fawn-coloured leaves, and small dull purple flowers set on stems 8 inches high; Anthurium Mundy-anum-a plant exhibited for the first time, foliage of large size, and green in colour; spaths large, crimson in colour and varnished—the spadix of orange colonr; Maranta regalis, a dark green leaf, with double lines of white and ross colour on each side of the midrih; M. Sanderianus, similar to the preceding, but of much larger growth; M. Leonæ, of spreading, dwarf habit with a greyish band on each side of the midrib, and dense grey spotting on the rest of the leaf; and Cineraria maritima aureovariegata.

The MESSES, LINDEN maintained their reputation for the introduction of new plants, there being upwards of fifteen entirely new plants and varieties shown by them on this occasion.

Six handsome Marantas of the Massangeana ty are well worthy of note for their brilliancy and deli-cacy of foliage, the varieties consisted of Albo lineats, metallica, smaragdina, atrata, Florentina, and ful-gida, the foliage ranging from the blackest-green to

delicate sea-green. New Begonias were also en evidence, a handsome species named B. platanifolia, the foliage of which measured I foot across, the colour being a deep sea-green, faintly streaked with silver; the variety decora is certainly the most striking as the silvery marking predominates. B. platanifolia illustris and pulvinata comprised the collection, and the type and varieties may be considered desirable acquisitions, especially for the hybridising purposes.

Begonia Lansbergiæ, exhibited in England for first time, has soft velvety foliage, slightly hirsute on the upper and lower surfaces.

Adiantum Claesianum, a charming new Fern from South America, was a plant much admired by all who saw it; the fronds were composed of rhomboid pinnules, in colonr a pale green, with a silver blotch at the base, and silver lines radiating to the margins, which are bluntly toothed. A stock of this plant will be very valuable.

A feature of the show consisted in a group of new Tree Ferns, sixteen in number, and which comprised the following new plants shown under the following names, which must, we believe, be taken as provi-

fronds, 3 to 4 feet in length, the basal portion being denselv spinose.

Hemitelia Lindeni is a truly remarkable plant; its stem, though fully growa, is not 2 inches in cir-cumference, the height being 20 inches. The fronds of this handsome plant stand out boldly, making a

very graceful picture. Alsophila Marshalliana, a plant of dwarf habit,

the pinnæ being very crisp and gracefully waving, the fronds are very darking and have a shiny hue. Cyathea pygmæa, stem about 2 feet high, the fronds being of a very soft dark green, and remarkable for the absence of the shiny appearance usually found in Cyatheas.

Caladium adamantinum, a Peruvian species, with frosted green foliage, hastate in shape, with faint

rosy lines running through. From among the foregoing new plants, eleven were awarded First-class Certificates, as mentioned elec-where, and a Silver Cup was awarded for the group.

Messrs. J. Laing & Sons had among a collection of new and rare plants a few strong specimens of Tradescantia Reginæ, a very nice lot of Bertolonias, in-clading B. Sonvenir de Grand, B. alba punctata, Comte de Kerchove, Argyroneura, Madame Augusta Van Geert, and Van Houttei; also Strobilanthes Dyerianns, several pretty varisties of Coleus; Stenan-drium Lindenii, Nicotiana affinis variegata, and interesting plants, illustrating new parentage iΩ Caladiums; and a variegated variety of Adiantum concestum.

### Orchid Committee.

Present: H. J. Veitch, Esq., in the chair; and Messra, J. O'Brien, Secretary; F. Mason, E. Hill, J. Jaques, De B. Crawshay, N. Cookson, C. Pilcher, W. Cohb, H. Williams, H. Chapman, W. H. White, T. W. Bond, H. Ballantine, H. M. Pollett, Maxwell T. Masters, and T. Statter.

#### THE ORCHIDS.

BABON SIR H. SCHRODER, The Dell, Egham, gr., Mr. H. Ballantine, was as usual the exhibitor of one of the richest collections of Orchids which could possibly be got together by any one amateur. Not only was his splendid group, which had a frontage of 30 feet, complete in arrangement and beautiful at every point, and the remarkable plants it contained were many. In the centre of Baron Schroder's stand was a very effective group of Vanda teres, and dotted throughout it were large specimens of brilliant-flowered Masdevalliss, fine specimens of Vanda tricolor, Lælia purpurata of noble quality, Cypripedium grande with eighteen flowers and many buds, some splendid forms of Cattleya Mendelii and C. Mossiæ, the white form of which, named Wagneri, being represented by a very large example of pure white blossoms. Bat in speaking of this exhibit, the mind turns instinctively to the remarkable and almost priceless collection of Odontoglossums there to be found, and on the present occasion these plants give a very good account of themselves, n grand set of some dozen and a half noble spotted forms of O. crispum and O. Andersoniannm being staged in the group. All

of these were extremely beautiful, but the four which the Orchid Committee selected for First-class Certificates were the best.

At the commencement of the noble group and raised so as to display to advantage its elegant drooping racemes, was the magnificent specimen of Coelogyne Dayana, which has before been so much admired at the Temple Show, but which this year was finer than ever. It bore twenty-four racemes, with a total of nine hundred and thirty flowers, and is certainly one of the finest specimens of its class ever exhibited. The Orchid Committee unanimously recommended that a Gold Medal should be awarded for such progressive good colture. They were O. crispum excelsior, a noble large form, with a slight trace of O. Wilckeanum in it, and heavily-blotched sepals and petals, the petals having the smaller and more numerous spots; O. c. xanthotes, a unique pure-white form with a lemon-yellow base to the lip and a few almost imperceptible yellow spots on the petals; O. c. Rex, with finely-formed flowers with heavy, purplish-brown blotches; and O. c. Wolstenholmiæ, beautifully blotched and tinged with purple. The other remarkable forms of O. crispum were O. c. Bonnyanum and the prettily spotted but rather small O. c. Chesterton. Of the other species of Odontoglossum, the Dell variety of O. species of Odontoglossum, the Dell variety of O. trumphans was very distinct, having white bases to the petals; O. Aodersonianum soperbam, a richly-spotted variety, and O. excellens, fine forms of O. Pescatoreii, O. elegans, O. Halli, &c., were well represented. Supplementing these and other fine exhibits, was a number of beautiful cat flowers of Orchids emong which were Corrinedium flowers of Orchids, among which were Cypripedium Stonei, C. S. platytænium, the beautiful Veitchian hybrid Phalæaopeis × John Seden, with its wax like rose-dotted flowers, Cypripedium Lawrenceanum Hyeanum, C. Sanderianum, Vanda Denisoni hebraica, &c., the whole forming a rich and beautiful collection, concerning which its genial owner must have had considerable apprehension about bringing it ont in such nuseaonably cold weather.

SIR TREVOR LAWRENCE, BART, Burford, Dorking (gr., Mr. W. H. White), had an equally extensive and deautiful group, the showy species being of very fine quality, and as is as usual with exhibits from Burford; the botanically interesting and rarer species were well represented.

In the group the varieties of Lælia purpurata had a very extensive range from the light L. p. Rosselliana to the rose-veined forms of the L. p. Brysiana, and in all intermediate grades. The forms of Catt-leya Mossiæ were excellent, the pure white C. M. Wagneri being a very fine example. Glancing along the group, the fine specimens of Vandas, Dendro-bium Jamesianum, D. Macarthiæ, Odontoglossnm citrosmum, and other showy species, could not fail to rivet the attention; and among the rarer, and to the rivet the attention; and among the lands, and to the botanist, more attractive plants, we noted the singular Bulbophyllum barbigerum, with its moving, feather-like lip; Geodorum Augusti, with white flowers and yellow lip; Sarcochilus Fitzgeraldii, with pretty white flowers, spotted with pink; Stau-ropsis Massaiana, of the growth of S. lissochiloides, and with large flowers of thick texture, the segments more flowers of the bulk with crimen lines: green, spotted with red, the lip with crimson lines; Dendrobium Parishii polyphlebium, a natural hybrid. Cleisostoma crassifolia, a singular Microstylis,

with purple flowers; Aërides Savageanum, with many spikes of its rose-crimson flowers; Phaius Sanderianus, Angulos Ruckeri sanguinea, with seven fine blooms; and among other rare things the white Miltonia vexillaria "The Fairy," Cypripedium × niti-dissimum, C. × conco-Lawre and other rare hybrids, Oacidium lamelligerum, &c. MESSES, F. SANDER & Co., St. Albane, had a grand

group, and to them belongs the credit of, at this show, bringing ont the most remarkable novelti s

New Orchids, etc.-Few new plants of modern times can via with their Cypripedium callosum Sanderæ, here shown for the first time. It bears the same re-lation to C. callosum as does C. Lawrenceanum Hyeanum to its species—that is to say, it is an albino. The flower is in form as large as the best C. callosum, the broadly orbicular dorsal sepal snow-white, with some emerald-green lines at the base, and the rest of the flower white and emerald-green-a soperh novelty which well merited the First-class Certificate awarded it. The other first-class plant was Phaius × Owenianus (Humblotii Q, Oweniala & ), a beautiful by brid, with flowers having the sepals and petals whitish, tinged with purple-brown, and broad crim-son purple lip, with orange base and three orange keels up the centre. Lælio-Cattleya Frederic Boyle (Cattleya Trianæi  $\mathcal{Q}$ , Lælia anceps  $\mathcal{J}$ ) a most remarkable cross. The flower was in size like a good Lælia anceps, but broader in the segments. The lip in its sharp division of the front from the side lobes show L. anceps unmistakably, although the tubular form of the lip as in C. Trianai is fairly sustained. The sepals and petals were pure white, lip white, yellow at the base; the front lobe tinged and streaked with dark rose. Other remarkable novelties in Messrs. Sander's group were the richly-spotted Odontoglossum crispum Massangeanum; Cattleya Mossiæ imperialis, a noble and richly-coloured form, awarded a Firstclass Certificate; Lælio-Cattleya × Aylingii Casis Certificate, Disho Cattleya X Myhligh Or unrecorded parentsge, but a good companion to L. C. × Arnoldiæ; Cattleya Mendeli picta, a very great b=auty; C. Mendeli Queen Victoria, C. M. Matthew Wells, superb, the yellow C. Dowiana chrysotoxa, Poaius assamicus, P. Sanderianus, P. Oweniæ, Epi-dendrum atro-purparem Randi, &c. This large group me off-chick the plant of Combined Company. was effectively arranged, some thirty plants of Cœlo gyne Diyana, with their drooping spikes, placed high up at the back, and alongside were large specimens of Thunia Marshalliana and Odontoglossum example of Oncidium ampliatum majus ever grown, its numerous arching spikes being computed to bear together over 5000 flowers. Dotted here and there among other showy species were little groups of very fine Odontoglossums; Miltonia vexillaria, Cattleya Skinneri alba, Epidendram vitellinum, &c.

His Grace the Duke of Northumberland, Syon House, Brentford (gr., Mr. Wythes), had a neat group, in the centre of which were two Nepenthes Mastersiana, and with them a number of excellently well-grown Orchids, comprising Vanda teres. Cyrtcpodium punctatam, Cymbidium Lowianum. O Jontoglosenm cordatum, several good O. crispum, Oacidium sphacelatum, Cattleya Skinneri, &c.

At the end of the central staging, and admirably filling the space, A. H. Smee, Esq., The Grange, Wallington (gr., Mr. Cummins), staged a very fine and varied group, composed principally of the fine forms of Cattleya for which he is noted, the best of which were C. Mossiæ Smee's var., C. M. Lendyana, C. M. Wagneri, C. M. Alfred Smee, and C. M. Schroderiana. With them were praiseworthy examples of C. Mendeli, Læ'ia purpurats, Maxillaria Deppei (with unspotted green sepals), M. Sanderiana, &c.

Messrs. B. S. Williams & Son, Victoria and Paradise Nurseries, Upper Holloway, N., had in the great marquee a very fine group, with a frontage of 30 feet, as well as an effective arrangement in the other tent. In this group the specimens of Cymbidium Lowianum, Vanda tricolor, Cattleyas, and other showy Orchids, were remarkably good and fresh. Among the more noteworthy specimens remarked were Trichopilia lepida, T. crispa, Zygopetalum (Bollea) Patini, Miltonia vexillaria splendens, Olontogloasum hapbicanthum, the true Vanda teres Andersoni, Oacidium Janierieose, Ornithocephalus grandiflorus, some fiue Oacidium Marshallianum, a noble Cypripedium caudatum, Lælio-Cattleya × elegans, two rich golden masses of Oacidium concolor, and a number of Odontogloesums, &c., of all classee.

At the further end of the great marquee Mr. J. Cypher, Qaeen's Road Nursery, Cheltenham, staged in the masterly manner usual with him, one of the best groups exhibited. In it were magnificent forms of Lælia purpurata; one, certificated last year as L p. Hardyana, is a noble white flower, with delicate lilac veining on the petals, and rich maroon lip, with like apex. Other forms were remarkable for the contrast between the dark colouring of the lip and the white petals, and scarcely two were quite alike. The specimens of Miltonia vexillaria, Cymbidium Lowianum, and Cattleyas, and especially C. Skinneri in Mr. Cypher's group, ton, were excellent.

Walter C. Walter, Esq., Percy Lodge, Winchmore Hill (gr. Mr. G. Cragg), arranged a group of Orchids, in the centre of which was a five Sobralia macrantha, arcund which were placed some fine Cattleyar, Odontoglossums, Phalæoopsis, &c.

In the other tents, Messrs. W. L. Lewis & Co., Chase Sile, Southgate, N., staged an effective group of O.chida, the numerous forms of Lælia purpurata in which not only exhibited great variation, but in many cases distinct features, and notably in L. p. Lewisii, whose whole flower was of an uniform soft rose colour veined with a darker tint; and L. p. Ashtonii, one of the most telling white forms with rich maroon lip with a wedge-like white streak up the middle. The forms of Cattleya Mendeli, tao, were of a very superior class. C. M. Lewisii, a large bluish-white with bright parplish-crimson front to the lip, remarkably so. Forms of Cattleya Mossiæ, Cypripedium × Aylingii superbum, &c., and other showy Orchids were also good in this group. Malcolm S. Cook, Esq., Kingston Hill (gr., Mr. Buckell), showed a group of Odontoglossums, Oncidium macranthum, Epidendrum vitellinum, &c.

Messrs. Linden, l'Horticulture Internationale, Parc Leopold, Brussels, showed Masdevallia Harryana Victorize, a rich vermilion-crimson form; Miltonia vexillaria, the small Peruvian type, Cochlioda Noezliana with twenty spikes; L. - C. Danielsii, resembling L.-C. Schilleriana, but with some appearance of L. Perrinii in the purple lip of its blush white flowers; the pretty violet-spotted Odontoglossum Peecatorei Lindenize, and plants and cut spikes of about forty examples of their atrain of Lælia purpurata, exhibiting great variety.

H. Shaw, Esq. Stamford House, Ashton-unler-Lyne (gr. Mr. Cliff), had Odontoglossum crispum, Triauæi, Lælia purpurata, Phalænopsis Manni? and forms of Cattleya Mossiæ.

Fred Hardy,  $E_{2q}$ , Tyntesfield, Ashton-on-Mersey, exhibited a noble specimen of a very fine and richlycoloured form of Lælia pnrpurata, for which a Cultural Commendation was awarded. Mr. Hardy also showed Cypripedium bellatulum Hardy's var., a richly-spotted form with pale yellow ground colour, Phalænopsis apeciosa, Hardy's var., with brownish sepals and petals, and rose-striped lip. Mr. Hardy also showed the best large single specimen of Cattleya Mossia—a marvellous plant, a grand form of Cattleya Skinnerii, and three good plants of Odontoglossnm cispum.

Messrs. Charlesworth, Shuttleworth & Co., Heaton, Bradford, arranged an extensive and effective group of Orchids, in which the showy Odontoglossums, Lælia purpurata, Cattlevas, &c., were very fine. Oae large specimen of Lælia purpurata bore sixty-six flowers. Odontoglossum ramosissimum, Oncidium Marshallianum, Grammatophyllum Fenzlianum, and other showy species were also in the arrangement.

Maintainanda, Grammacophylidin Februardin, and other showy species were also in the arrangement. Messre, High Low & Co., Clapton, showed up well with one of the largest groups, rich in Cattleyas especially. C. Mossiz splendens and C. M. Prince George were both good, and among their Lælia purpurata was a rich dark form of nearly equal merit with L. purpurata Lowii. Zygopetalum grandiflorum, a very handsome and rare plant, also appeared in Messre. Low's group, which contained many good Cypripedum bellatulum, C. × Schroderæ, Miltonia Roezlii, Masdevallias, Odontoglossums, &c.

Welbore S. Ellis, Esq., Hazelbourne, Dorking (gr., Mr. Masterton), had a very pretty arrangement composed principally of a distinct class of O lontoglossum crispum imported direct by Mr. Ellis. The flowers are very clear white, neat in form, and the spotted varieties are richly marked. With them were good Miltonia vexillaria, M. Warscewiczii, Odontoglossum Ruckerianum, Cymbidium tigrinum with six spikes, Lælia purpurata, &c.

With six spikes, Lælia purpurata, &c. Mr. McArthur, the London Nurseries, Maida Vale, W., had a group in which the centre was formed by a noble plant of a good variety of Lælia tenebrosa, with over forty bulbs and five flowerspikes. Other noteworthy plants were Cypripedium Chamberlainianum macranthum, Odontoglosseum nebulosum album, Lælio-Cattleya × Schilleriana, a pretty light form of it; Læ'ia purpurata Victoria, very handsome, Cypripedium bellatulum nigrum, with large nearly black blotches; good Miltonia vexillaria, Oucidium macranthum, &c.

W. R. Lee, E.q., Beech Lawn, Audenshaw, Manchester (gr., Mr. T. Billington), showed the pretty yellow Ladto-Cattleya × Phœbe and Cypripedium × Winifred Hollington, both very fine things, previously described. Chas. Young, Esq., The Thorns, Sevenoaks (gr., Mr. S. Ryder), showed Odontoglossum Andersonianum, Young's var., a very ficely formed richly spotted flower. R. I. Measures, Esq., Cambridge Lodge, Camberwell (gr., Mr. Chapman), exhibited Miltonia vexillaria, Cambridge Lodge var., in which the petals partake much of the character of the lip (trilabellia), and Miltonia Measuresiana, a probable hybrid of M. flavescens.

M. Jules Hye-Leysen, Coupurs, Gand, had a most interesting exhibit in Odontoglossum Vuylstekeanum, a nobly-grown plant, as most of M. Hye's Orchids are. It hore three spikes of clear yellow and white flowers, unique in form and colour (Firstclass Certificate); also a fine spike of a good Lælio-Cattleya elegans.

M. A. A. Peeter, St. Gilles, Brnssels, showed the beautiful Odontoglossum crispum Capartianum, a handsome variety, with heavily-blotched flowers, also washed with rose-purple; and a very handsomelyspotted O. crispum guttatum.

washed with rose-purple; and a very handsomeryspotted O. crispum guttatum. Mr. Vincke Dujardin, Scheepesdaal, Bruges, had a group of a very fine strain of Odontoglossum crispum, some of them very fine forms, several handsomely spotted, and one with a bright rose tint over the whole flower.

# GROUPS.

Messra. W. Cutbush & Son, Highgate, N., put up a group of miscellaneous plants, including the now pretty well known Cytisus scoparius, var. Andreanus, an enormous specimen of Hydrangea paniculata grandiflora, a number of small Ericas of the ventricosa varieties, Erica Cavendishiana, Azalea indica, Leschenaultia biloba msjor, a plant bscoming less rare in gardens; Pimeleas, Kalosanthes in several varieties, grown of very dwarf stature, and a quantity of small greenhouse plants as filling and bordering subjects.

The back ground of the group consisted of Palms, Dracænas, &c., D. Doncetti formed solitary plants dotted here and there to avert as much as could be done the monotony of this style of grouping.

Messrs. J. Veitch & Sons arranged a large group of interesting flowering and foliage subjecte, consist-ing chiefly of quite hardy plants. Conspicuous plants were those employed for dotting about, viz, the well-flowered Lilium giganteum, L. longiflorum, Clethra alnifolia, and Hydrangea paniculata grandiflora; as also Indigofera Gerardiana var, floribunda, a purple-flowered leguminous plant; Chionanthue retusus, Andromeda speciosa cassinifolia, a quantity of Cytisus scoparius Andreanus, grown as tall standards; C. s. præcox, and C. triflorus, and in the same manner as C. s. Andreanus, Viburnum opnlus; Eremurne himalaicus, a gigantic white-flowered species, and Fabiana imbricata, an old white-flowered plant, too rarely seen in gardens. Colour was given the group by massing Rhododendron hybridum, Meteor, R. John Walter, Azalea rustica in variety, by massing Rhododendron hybridum, A. roæßlora, A. Daviesi, The coloured foliage con-sisted chiefly of Prunus Pissardii, Acer negundo variegate, and A. palmatum in variety. Magnolia Watsoni, a white-flowered species; M. parviflora, also white, with purple-brown anthers, and 4 inches across the fully-opened flower-a fine thing-were also shown. Messrs, E. D. Shuttleworth & Co., Peckham and

Messrs. E. D. Shuttleworth & Co., Peckham and Fleet, arranged a group to fill the space at the end of the marquee between the entrances. This consisted of closely-packed fin ly proportioned vigorous Pa'ms, Cycas revoluta, Caladiums in variety, Araucaria excelsa, Coleus, with an edging of small plants of various kinds.

Messre. J. Laing & Sons, Forest Hill, London, S.E., had a very tastefully-mranged group of miscellaneous stove and greenhouse plants, Orchids, Nepenthes, Caladiums, Crotons, Dracæoas, Anthuriume, &c., adding to the attractiveness of the exhibit. A similar group, and acjoining this one, was staged by Messre. J. Peed & Sons, Roupell Park Nurseries, Norwood, the face of which was particularly gay with a large number of plants in flower. Rossis.—These plants furnished of themselves a

Rosss.—These plants furnished of themselves a drlightful part of the show, and being grouped at intervals round the sides of the marquee. One of the best displays was that made by Messrs. W. Paul & Son, Waltham Cross, a group of plants in pots furnished in the front with boxes of cut R bees. Toese plants were not old "stagers," but vigorous young ones in pots, generally of not more than a foot in diameter, with folisge healtby and good, if just a a trifle too scanty. A method of grouping together of certain extra good or showy varieties was pursued. O' these so treated was the new variety, Clio; Danemarck, a massive flower, well-formed, punk in colour; Dachess of Albany, similar in build to the preceding variety, but of a deeper shade of pink; Alfred Colomb, Crimson Queen, Comte de Montmarte, a flatish flower, not altogether satisfactory as seen; Masterpiece, a very double purplish-crimson II.P.; and Françoise Levet, &c. Messrs. Paul & Son, The Old Nurseries, Cheshunt,

Messrs. Paul & Son, The Old Nurseries, Cheshunt, put np a very showy group of large and small plants, as standards and bushes, conspicuous among them being the examplea of Madame de Wattsville, Innocente Pirola, Merveille de Lyon, Captain Haywood, a bright crimson flower, of good dimensions and form; Maréchal Niel, Ulrich Brunner, Centifolia rosea, Crimson Queen, Perle d'Or, Charles Gater, Georges Pernet (polyantha), Mrs. Paul, Madame Montchevaux, and Violet Bouyer — an altogether excellent grown and flowered lot of Roses.

Messrs. G. Jackman & Son, nurserymen, Woking, showed twelve Roses in pots, mostly large wellbloomed examples; Madame Lacharme, Dachess de Morny, and Comtesse de Serenye, were the most noteworthy.

Mr. W. Rumsey, Joynings Narsery, Waltham Cross, showed a good-sized group of finely-bloomed