GARDENERS' CHRONICLE

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OF

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SATURDAY, FEBRUARY 13, 1892.

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

Now Ready, in Cloth, 11s. 6d., "The Gardeners' Chronicle," Vol. X., Third Series, July to December, 1891. The Publisher, 41, Wellington Street, Strand, W.C.

"Paxton's Calendar." New Edition, "The Cot-tagers' Calendar of Garden Operations," Price 3d., post-free, 3\(\frac{1}{2}d.\) 41, Wellington Price 3d., post-free, $3\frac{1}{2}d$.

Street, Strand, London, W.C.

Notice.

MR. FRED. HENKEL, of Darmstadt, who until recently REPRESENTED US as TRAVELLER, has NOW LEFT OUR EMPLOY, and no longer has any connection with our firm

PITCHER & MANDA, The United States Nurserles, Hextable,

H. B. ILLMAN, formerly in my employ,
EDMIND 0. WILLIAMS, Seedsman and Florist, 11, Fore
Street, Hertford.

ARDENER'S ORPHAN FUND, 1892.

Mrs. NORGATE respectfully THANKS the SUBSCELL

ERRS to above Fund, who have so kindly given their Votea
to her Son Edmund Norgate.—Edware, Feb. 10th, 1892.

DAMSONS.—Strong Standards for Hedgerow Planting; fine stuff, a little rough. Special cheap offer

£5 per 100. J. R. PEARSON & SONS, Chilwell Nurseries, Notts. AXTON'S SEEDS and STRAWBERRIES.

-Best novelties and best standard sorts. 100 Certificates. Send for Descriptive Priced Lists.
T. LAXTON, Seed Grower, Bedford.

CHRYSANTHEMUMS. - CARTERS' THE TSANT HE MUMS,—CLARTERS'
LLUSTRATED CATALOGUE of the FINST COLLECTION in the COUNTRY, including all the newest and best
varieties, now ready, gratis and post-free on application.—The
Queen's Seedsmen, 237 and 238, High Holborn, London, W.C.

Amaryllis! Amaryllis!!

B. S. WILLIAMS AND SON are now offering aplendid Bulbs of this popular plant, at very low prices, previous to re-potiting, in consequence of went of room. Named varieties from 42r. per dozen, Seedlings.
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DOUBLE PINK IVY GERANIUM— Madame Croussu-fine strong Cuttings, 5s, per 100, 40s. per 1000, Carriage Paid for Cash with Order, W. H. DIVERS, Ketton Hall Gardens, Stamford.

Sharpe's Victor Potatos.

W. JOHNSON & SON, SEED GROWERS

and MERCHANTS, Boston, offer a few tons of this
excellent First Early POTATO. True Stock and good sample.
Price, per cwt. or ton. on application.

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Hardy Fruits for the Midlands.

PROFITABLE FRUIT GROWING: What to Plant, and How to Plant. New Edition up to date, now ready, price 6d.—A. H. PEARSON, Chilwell, Notts.

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10,000 EUONYMUS (Green), bushy, well-grown, 18 inches to 30 inches, 6s. to 15s. per J. J. CLARK, Goldstone, West Brighton.

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ATANIA BORBONICA, 4 ft. to 4 ft. 6 in., with Pot, averaging 10 fine leaves, 15s. each—a hundreds for disposal.—W. OWEN, 10s. Stamford Hill, N.

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WANTED, SCARLET GERANIUMS, VV VESUVIUS, and good TRICOLOR, autumn struck from stores, a few hundred. Also a few large ASPIDISTRAS and EUCHARIS BULES for cash.

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SUTTON'S COLLECTION of TWELVE of the FINEST SORTS of SEED POTATOS. 7 lb. of ea-21s., carriage free.

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

AURELS.—CAUCASICUM, LATIFOLIA,
ROTUNDIFOLIA, and COMMON, fine hushy plants,
ell-routed, 2 to 6 feet high.
FORTUGAL LAURELS, Standards, fine heads.
CATALOGUE on application.
H. LANE AND SON, Nurseries, Berkhamsted, Herts.

CHRYSANTHEMUMS. - Our Illustrated HK I SAN I HEALOMS, — OUT HIUSER CATALOGUE will be sent free on application. 15 First Prizes. (10 this year.) 5 Gold Medals for Chrysauthemums. REID AND BURNEMANN, Sydenham, London, S.E.

BEGONIAS,—Davis's New, Rare, & Beautiful.
The Best BEGONIA CATALOGUE published.
Enumerates a mapnificent and unsurpassed Collection, with
descriptions, illustrations, and much valuable information on
this now popular flower; post-free. The first grower to issue a
Begonia Catalogue was B, R. DAVIS, Begonia Grower, Yeovil
Nurseries, Yeovil, Someret

TANDARD ROSES. — All leading kinds, good Stuff, £3 to £3 10s, per 100, to clear at once.

JOHN NEWMAN, Stratford, Sandy, Beds.

L APAGERIA ALBA.—Healthy, well-rooted Plants, in pots, single shoots, 5 to 6 feet long, 7s. 6d. each; stronger plants, 10s. 6d. each.

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TANDISH'S GARDENIAS .- Well-grown, clean and forward in Flower-bud, 21s., 30s., and 42s. per en. Royal Nurseries, Ascot.

ILIES OF THE VALLEY.—A quantity of roots, 3 years old, for Sale at per bushel, MOORE, Sion Hill, Isleworth,

FRUITING GRAPE VINES.—Nine Splendid R 8 feet long, four years'old; have nut fruited, 5s. each.
Six Black Hamburgh, three Gros Colmar. Lifted for want of
rcom.—RICHFORD, "Roseneath," Broadstairs.

R GILBERT, High Park, Stamford, is now offering the best of all RHUBARBS, "True Champagae," 4s, per dozen; also, King of the ERUSSELS STRUUTS, "Univeral Savoy," "Late Victoria BRUC-CLI," and "CHUU DE BURGHLEK," at 1s, per packet.

KELWAY'S SEED MANUAL

"As complete as can be desired... for the wide, wide
world."—The Quen.

1s., post-free (deducted from first order) to those unknown to us.
KELWAY AND SON Language.

KELWAY AND SON, Langport.

Trade Offer of Large Palms.

ICETON has a large Stock of the leadoing kinds of Decorative PALMS, from 6 to 25 feet high, fit for Conservatory and House Decorations; Dracenas, Bamboos, & Foliage Plants. Lowest Prices quated on application. W. ICETON, Putney, S.W.

WEEKS AND CO., HORTICULTURAL ENGINEERS to Her Majesty, H.R.H. the Prince of Wales, H.M. Government Admiralty Department, War Department, Eopal Horticultural Society, Royal Botanic Society, Parks, and Public Buildings. Patentees of the Duplex Upright Tubular Bollers.

King's Road, Chelsea, S.W.

THOMSON'S IMPROVED VINE and PLANT MANURE.—This valueble Manure is made only by us.
Every bag and tin has our name on it. To he had of all Nursery
and Seedmen, and direct from us. I cwt. and over carriage
paid. London Agent: Mr. GEORGE, 10, Victoria Road, Putney. WM. THOMSON AND SONS, Clovenfords, Galashiels, N.B.

FORTHCOMING SALES BY MESSRS. PROTHEROE & MORRIS,

Horticultural Auctioneers and Valuers,
CENTRAL AUCTION ROOMS and ESTATE OFFICES, 67 and 68, CHEAPSIDE, E.C. CATALOGUES FOR ALL AUCTIONS SENT FREE BY POST ON APPLICATION.

MESSRS. PROTHEROE AND MORRIS will MESSRS, PROTHERIOE AND MORKES WIII
SELL by AUCTION, at their Rooms, 67 and 63,
Cheapside, London, E.C., on MONDAY NEXT, February 15,
at half-past 11 o'Clock, many thousands of Hardy PERENNIALS, all being true to name; GLADHOLI, Pearl
TUBEROSES, NARGISSUS; a collection of CARNATIONS,
incinding a number of Continental varieties; HOLLATHORS,
PTRETE COMMENTS, WESS, C. PRIPEDIUM SPECTABLE,
FORMED AND ALL SERVING, C. PRIPEDIUM SPECTABLE,
of Home-grown LILIES, DAHLIAS, pot roots, and a fine collection
of Home-grown LILIES, and Catalogues had.

EAST DULWICH. Wednesday, February 17.

MESSRS. PROTHEROE AND MORRIS, will SELL by AUCTION, on the Premises.
THE ORCHID NURSERIES, EAST DULWICH, LONDON, S.E., by order of Messra. SEGGE & Teorp, on WEDNESDAY, February 17, commencing at half-past 19 o'Clock, the Communication of th

A SUPERB COLLECTION of ORCHIDS,

torta cucullata

encullata
demissa
infracta albens
midifica
Dayana
Fraseri
Carderi
Walliei

Media
Seegerianum
Massereelianum
grande
niveum
oenanthum superbum
Rothschildianum
amabile
Access Mannei

Chestertoni Cypripepium: all the finest representatives of this noble family, such as -C, Leeanum apperbum

" politum " Niobe " Media

among which are the following:

Odontoglossum Uro-Skinneri splendens
Oncidium macraothum, a fine Grammatophyllum Si splendens
Oncidium macraothum, a fine
lot of well-established Grammatophytimi Seeger-ianum Masdevallia Mooreaoa , Moensi (hybrid) Xantbo-corys× Wagneri , Schroderme , Contoglossa , Laucheana torta

of of well-established plants
plants
Deadrohium speciosum Hilli
Saccolabium belinum
Gymbidum elegaas
Dendrobium densifiarum
Jonatosum densifiarum
Lettieya daskelliana alba
Angræcum grandifiarum
(Estathus grandifiarum
idensifiarum)
Phalanopsis, of sorts, some in
bud or flower
Solvalia xantholeuca, a grand
specimen

sobraila xantholeuca, a grand spe imen pendrobes in great quantities, mostly in hud, including many species and hybrids 'Aérides, all the leading varieties; and among the very rare, the most beantiful A. Schroederi

Cologyue species, in the way of C. Dayana, but quite

of C. Dayana, but quite distinct
Dendrobium taurinum
Cattleya intermadia alba, splendid plant, in vigorous health
Vandas, a fine lot, of sorts
Laelia Perrini alba
Cypripedium insignis Wallacet, fine appeliance
Laed, fine appeliance
Laed, fine appeliance
tiana, the pure white macranths

crantha Cattleya Fansta, fine Veitch-ian hybrid Sobralia leucoxantha grandi-

flora Phalænopsis Sanderiana alba Pleurothallis Roezli Restrepia Falkenbergi

, nanthie

, Argus Moensi

, Box alli panetatissimum
, Warscewiczi, true Luxembourg variety, &c.
Ansellia Africana nilotica
(Cologyne species from Assun,
prollably new
Vanda Stangeana
Odontoglossum
Schröderianum

nestrepus Falkenbergi and many other ORCHIDS of value, the whole in the bast possible health and condition, Plants will be on yiew the moraing of Sale, and Catalogues obtained on the Premises. Also of the Auctioneers, at their Offices, of and 88, Cheapside, London, E. C. Messra, SEGER & TROPPS Orchid Nurseries are within five minnter' walk of East Dulwich Railway Station, L. B. and and S. C. Railway.

Wednesday Next. Palms, Ferns, Roses, &c.

MESSRS, PROTHEROE AND MORRIS will
SELL by AUCTION, at their Central Sule Rooms, 67
and 68, Cheapside, Loudon, E.C. on WEDNESDAY NEXT.
and G.C. on WEDNESDAY NEXT.
by ALL OF CONTROL OF CONTROL OF CONTROL
BERNS, TEAR ROSES in pots, choice
COXINIAS, SEGONIAS, 100 tota of LILIUMS in variety,
TUERROSES, GLADIOLI, CARNATIONS, DAFFODILS,
Herbaccous PHLOX, 250 Standard and Dwart ROSES, &c.
On view morning of Sale, and Catalogues had.

Wednesday Next.-Palm Seeds Wednesday Next.—Palm Seeds.

MESSRS. PROTHERGE AND MORRIS will
include in their SALE on WEDNESDAY NEXT,
February 17, at half-past 12 o'Clock, 16,000 SEEDS of
PHŒNIX RUPICOLA. This is one of the most elegant greenhouse Palms. Seeds of it can seldom be obtained; it is five
years since any have been imported, and no more will arrive
this season. Also S000 SEESS of the heautiful and extremely
rare Calculated and the season of the seas

Havant, Expiration of Lease.

The THIRD and FINAL PORTION of the NURSERY STOCK on the Leasehold land, and the firt, portion on the Free-bold land, by order of Mesers. Ewing & Co., who are reliaquishing the business.

MESSES, PROTHEROE AND MORRIS will SELL by AUCIION, on the premises, the See View Nurseries, Havant, on Thursday, March 3, 1892, a large quantity of well-grown NURSERY STOCK.

The FREEHOLD NURSERY to be DISPOSED OF, Particulars of the Auctioneers. ticulars of the Auctioneers.

Wanstead Flats.
CLEARANCE SALE of heantifully grown NURSERY STOCK, the Land being required for Brick-making.
IMPORTAN'C to FRUIT TREE GROWERS, NURSERYMEN, and OTHERS.
MESSRS. PROTHEROE AND MORRIS are instructed by Mr. T. East, to SELE on ALIO, 1987.

MESSRS. PROTHEROE AND MORRIS are
instructed by Mr. T. East, to *SEL try AUC-10N, on the
Premises, the Waustead Nursery, Wanstead Plafs, Essex, about
a mile from Leytonstone, Sanesbrook, and Forest Gate Stations, on THURSDAY and FRIDAY, February 18 and 19, at
2 o'clock each day, the whole of the thriving NURSERY
STOCK, including 3,500 Standard Apples of the best sorts,
3900 Dwarf and Pyramid ditto, Cherries, Peches, and other
Fruit Trees, 2300 choice Dwarf Rises, in 41 varieties; 3900
Limes, France, Feplars, and other Standard Trees; 4500 BersCherry (1998) And Charles (1998) And Cherry
Standard Trees, 4500 BersStandard Trees, 450

Thursday Next.

12,250 LILIUM AURATUM, including
450 extra large BULBS.

1550 LLIUUM SUCCISSION RUBRUM, extra fine varieties,
1600 ", MELFORSION RUBRUM, extra fine varieties,
1600 ", JAPONICUM ODDEUM COLCHESTERII,
1700 ", LEIGANS, best red variety,
1700 ", LEIGANS, best red variety,
1700 ", LEIGANS, best red variety,
1700 ", LEIGANS, best of variety,
1700 ", LEIGANS AURO SANGUINEUM,
1700 being the contents of 200 cases just received from Japan in
1700 lots of choice SEEDLING GLAPIOLIC, BEGONIAS,
1700 des of choice SEEDLING GLAPIOLIC, BEGONIAS,
1700 des Contents of MESSRS. PROTHEROE AND MORRIS will

SELL the above by AUCTION, at their Central Sale Rooms, 67 and 63, Cheapside, Loadon, E.C., on THURSDAY NEXT, February 18, at half-past 11 o'Clock. On view morning of Sale, and Catalogues had.

Horsell Birch, near Woking, Surrey

One mile from Woking Station, whence goods may be transmitted to any part of the country,
TWO DAYS' SALE of unusually well-grown NURSERY
STOCK, is spleadid condition for removal.

STOCK, in spleadid condition for removal.

MESSRS. PROTHEROE AND MORRIS will

SELL by AUCTION, on the Premises, the Nursery,
February 16 and 17, by order of Mr. A. Knowkes, 2006

GREEN HOLLIZS, 6 to 8 feet, well-roted trees; Variegated

HOLLIZS, 6 to 8 feet, including the Golden Queen; 2006

AUCUR 18, 1 to 4 feet, amongst them fine specimens; Golden

YEWS, 2 to 6 feet; 30) SFECTURES SHRUES, 4 to 8 feet,

WILLIETTI STOCKS; a quantity of STANDARD ORNA
MENTAL THEES; and a large number of RHODDENDRONS,

BERBERIS, CUPRESSUS and other Stock.

May be viewed. Catalogues had on the Premises and of the

May he viewed. Catalogues had on the Premises and of Auctioneers, 67 and 68, Cheapside, E.C., and Leytonstone.

Chesterfield.

TWO DAY'S SALE of well-grown NURSERY STOCK, by order of Mr. R. W. Proctor, a portion of the land being required for the new line of Railway.

MESSRS. PROTHEROE AND MORRIS, will SELL by AUCTION, on the Premises, the Nurseries, Ashgute Road, Chesterfield, on TUESDAY and WEDNESDAY, February 28 and 24. at 12 CiClock residents to 1000-00. Ashgate Road, Chesterfield, on TUESDAY and WEDNESDAY, February 23 and 24, at 12 COTlock precisely, 50,000 Ornamental TREES, SHRHES, ROSES, and FRUIT TREES, including 3000 AUCUEN JAPONICA, 14 to 4 feet; 8000 Dwarf ROSES; 7000 Broad-leaved PRIVET, 2 to 5 feet; 8000 HOLLIES, various, 2 to 5 feet; 1000 English YEWS, 2 to 10 feet; 2010 LAURELS, grand stuff, 2 to 3\(^1\) feet; 1000 AZALEA PONTICA, 12 to 13 inches; HERBACEOUS PLANTS in great variety. The Stock may be viewed any day prior to the Sale. Catalogues had on the Premises, and of the Auctioneers and Vainers, 67 and 68, Cheapside, London, E.C.

Feltham, Middlesex

TWO DAYS SAIR of splendidly grown NURSERY STOCK.
Preliminary notice by order of Messrs. C. Lee & Son.

LESRS, PROTHEROE AND MORRIS will
SELL by AUCTION, on the Premises, Lee's Nurser,
Petham, on TURSDAY and WEDNESDAY, March I and 2, a
large quantity of exceptionally well-grown NURSERY STOCK.

Feb. 26th Next.

GREAT CATTLEYA SALE.

GREAT CATTLEYA SALE.

CATLEYA LABIATA, from Swainson's Hunting Ground, with broad sepals and petals and big lip, and not the Pernambuco variety, which, although-pretty and desirable, is flimsy compared with Swainson's original plant. The Pernambuco form of the old labiata was shown in Paris during the Universal Exhibition in 1839, but it is the porest form for horicultural purposes of all the habitatas.

CATLEYAS in grand masses and great importations from Columbia and the Brazils.

ORCHIDS from India, Chipa and Japac, Borneo, Sumatra and Japac, Borneo, Sumatra and Japac.

MESSRS. PROTHEROE AND MORRIS have received instructions from Mr. F. Sander to sell the above at their Rooms, 67 and 68, Cheapside, London, on Friday, Exchanger 26. February 26.
On view morning of sale, and Catalogues had.

Friday Next.

By Order of Messrs. Charlesworth, Shuttleworth & Co, Heaton, Bradford, and 213, Park Road, Clapham, S.W.

CATTLEYA LAWRENCEANA.

Amarvel ous consignment of C. Lawrenceana, just received, in excellent condition. This gorgeous Orchid is of easy culture, and very Iree-flowering, producing spikes with eight to the richly-coloured blooms. The plants are well-leaved, perfectly dormant, and very distinct; some have almost red, cohers dark green bulbs and leaves. Our Collector spent six months, and encountered many difficulties in gathering the plants, owing to several fieldinging the server of the disguige should be supported by the server of the s

CYPRIPEDIUM LINDLEYANUM.

CYPRIPEDIUM LINDLEYANUM.

A majestic plant, producing bran cining flower-scapes, 2 feet lorg. The plants offered are in special fine condition. We beg to draw attention of hybridisers to the robust growth and free flowering properties of this plant; it will make a good parent, and oy crossing it with small, weak-growing kinds, infase vigour into the seedlings. Dried specimens on view at time of Sale.

CYPRIPEDIUM SCHOMBURGKIANUM (Rehb. fils).

"KLOTSCHIANUM (Schomburgk).

A very rare Oppriged, owing to the difficulty of getting plants alive. These which are offered are in good condition, and perfectly safe. Flowers as large as those of Opprigedium longifolium; pouch straw-yellow, basis spotted with a rich brown; sepails 1½ inch long, red and yellow striped; petals twisted, 3 inches long, yellow and bright red. The plants grow on the slopes of the Reramia mountains in grass-yeamps along with Heliamphora nature and various kinds of Utricularias. Dried flowers on view a time of old let.

tarns. Dried newers on view at une of Ssie.

ONCIDIUM NIGRATUM.

A pretty sweet-scented species, producing long branching spikes of creamy flowers, spotted with dark brown colour—a most graceful rare Orchid, very difficult to import.

The Sale will also include.

2000 ODONTOGLOSSUM ALEXANDRÆ.

2000 ODONTOGLOSSIOM ALEXANDRE.

Best Pucch strain
Just received per s.-s. Para, in grand condition. Also
UTKICULARIA HUMBOLDIT, very showy; flowers light
blue, reminding one of Vanda cerules. The plants are growing in the axile of a Bromelia. ZYGOPETALUM BUKKEI,
HELIAMPHORA NUTANS, South American Pitcher Plant,

MESSRS. PROTHEROE AND MORRIS have Teceived instructions to SELL the above choice ORCHIDS at their Central Sale Rooms, 67 and 88, Cheapside, E.C., on FRIDAY, February 19, at haif-past 12 °Clock.

On view morning of Sale, and Catalogues had.

MARCH 4 NEXT.

NEW ORCHIDS.

EXTRAORDINARY NEW LADY'S SLIPPERS. CYPRIPEDIUM VICTORIA REGINA (SANDER), NEW SPECIES

The most extraordinary Cypripedium ever imported.

CYPRIPEDIUM CHAMBERLAINIANUM (SANDER).

A magnificent new species of great value.

MESSRS. PROTHEROE AND MORRIS have received instructions from Mr. F. Sander to SELL, at their Grat Rooms, 67, Cheapside, a grand lot of the above new CYENFEDIUMS on FRIDAY, March 4.

at their uprix Romas, cf. Chenjaide, a grand hot of the above new CYPRIPEDIUM YICTORIA REGINA (SANDER) is the most remarkable Cypripedium we havever seen; we are proud of the introduction into Rurops and the constant of the introduction into Rurops and the constant of the introduction into Rurops and the constant of the constant of

above extraordinary lacts.

CYPRIPULW CHAMBERLAINIANUM (SANDER) from the Mcrapi Mountains, is of great beauty and distinctions, the flowers are produced in great producion, are large in size, and unlike anything ever seen—the flowers are violet purple and white, growing all along the spike—a fine lot of this plant was collected, but few arrived safely and there, and a captain took great care of conditions of the complex conditions of the condition of the condit

No. 269.—Vol. XI. SERIES.

SATURDAY, FEBRUARY 20, 1892.

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

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In 1810 Sir Joseph Banks sketched the plan for a botanical garden in Slave Island, Colombo, and succeeded in transferring thither from Canton Mr. Kerr, who became its chief. According to the work from which I have derived these facts, the Slave Island garden was subject to floods, and consequently the establishment was moved to Kalutara. One finds here and there in Colombo traces of the old occupancy remaining in the names of some of the streets—"Kew," for instance. From Kalutara the garden was transferred, in 1821, to its present site. Since that time, the large garden has established four branches, in order to secure all the advantages which can come from having land at different altitudes and with different exposures.

The branch gardens are-(1) Badulla, founded in 1886, in the eastern part of the island, with an elevation somewhat over 2000 feet, "The climate here is somewhat drier than on the western side of the hill region, receiving but little rain with the south-west monsoon." (2) Anuradhapura, dating from 1883, about a hundred miles north of the large garden, is the ancient capital of the island. Besides the interesting ruins at this point, which are well worth seeing, there exists the oldest historical tree in the world, Ficus religiosa (the sacred Bo), assigned to 288 n.c. This garden has a short rainy season and a hot dry climate. (3) Henaratgoda, 33 feet above the sea, and thoroughly tropical, is on the railroad running from Colombo to Kandy. It was founded in 1876. Here certain plants which cannot he grown at Peradeniya, are very successfully cultivated. (4) Hakgala, established in 1860, as a nursery for Cinchona cultivation, is near Nuwara, Eliya (commonly pronounced "Newralia") the famous sanitarium. It is almost 6000 feet above sea-level,† in a place of surpassing beauty. Above the garden is a frowning double cliff 1500 feet high, and all around the views are most attractive. The Gate affords one of the best of these. The landscape reaches over the Uva district towards the Haputale gap and the Madulsima hills. On entering the garden the bewilderment hegins. On every hand one sees species in the most grotesque juxtaposition. Plants from Australia, such as Casuarinas and Acacias, are perfectly as home with East and West Indian, Japanese, and Eoglish plants; of the latter there are many which seemed thrifty and well established.

Although the garden is used primarily for experi-

mental purposes, it bas been laid out with regard to effectiveness of grouping, and with remarkable success. A botanical visitor is, however, constantly trying to separate in his mind the different plants from the curious collocations which everywhere abound, and demonstrate better than in any other place I have ever seen the wide range of tolerance of climate. The superintendent, Mr. W. Nock, who has had large experience in the West Indies, has carried on some interesting experiments in acclimatising plants from the western hemisphere, such as "Cherimoyer" and the like. There are few plants in the garden more attractive from an economic point of view than the vegetables of doubtful promise, such as Arracacha, and those of assored culinary position, "Choco" or "Chocho" (Sechium edule), for example. Some of the medicinal plants in hand were doing well in every way, while others have proved somewhat disappointing, for instance, Jalap and Ipecacnanha.

The Ferns, especially the Tree Ferns, and the species of Eucalyptus, form one of the marked successes at this garden. Mr. Nock stated that the most troublesome weed in the garden is a species (perhaps more than a single species) of Oxalis; it is simply impossible to eradicate it. G. L. G.

(To be continued.)

NEW OR NOTEWORTHY PLANT.

CYPRIPEDIUM CHAMBERLAINIANUM, O'Brien, n. sp. (See fig. 34.)

This is a surprisingly beautifol and distinct novelty, and quite unexpected by its lucky importers, Messra. F. Sander & Co., of St. Albans, who, when sending their collector to a hitherto unsearched part of New Guinea, had little hopes of gaining such a plant, which, in addition to being an entirely new species, is also the first of a totally new section of Cypripedium. The plant is robust, and resembles a giant C. Spicerianom, or it might easily be taken for a large Angracum pellucidum, so distinct is its growth from that of any other species.

From the evidence of the dried spikes sent over by the collector, and those which opened immediately after their arrival, and from which our illustration was prepared, it is seen that native specimens have spikes showing from twelve to twenty or even more flowers on a spike, each flower springing from a stout and ornamental bract. The flowers themselves may be likened in colour to those of C. superbiens or C. Morganæ, but in their botanical features there is nothing to compare them with. The dorsal sepal is vellowish-white, with six rosy-purple lines, three on each side of the mid-rib, and the base of the sepal has a profusion of rosy-purple spots. The lower sepal is similar to the upper, but smaller; and a very peculiar feature in both is, that they are strongly pubescent or hairy on the backs. The petals are spreading, curled, and twisted, and heautifully spotted with crimson, the margins undulated and furnished with white hairs at the edges. The labellum or pouch is white, beautifully and densely spotted with rose colour on the lower portion. Altogether it is a charming plant, and well worthy to bear the name of the Right Hon. Joseph Chamberlain, M.P., to whom Messrs. Sander have requested it to be dedicated, James O'Brien.

THE HOTHOUSES OF H.I.M: THE EMPRESS FREDERIC AT CRONBERG.

The Empress Frederic's castle at Cronberg is built among most picturesque and mountainous scenery. The air which blows from the adjacent mountains is extremely pure, and doubtless very favourable to the growth of Orchids and alpines. Annexed to the castle are many greenhouses, three of which are over 357 feet long. Each is divided into four compartments, varying from 65 to 97 feet long, by 193 feet wide, and 103 feet high. One of these houses is devoted to Orchids, and was selected because of its particularly favourable position. It contains a great number of the rarest and most

beautiful species and varieties, many plants being of unusual size, and now in full bloom or showing great promise for the future. A table 6 feet wide is set apart in the centre of this house, and decorated with hothouse and ornamental-foliaged plants; many choice and beautiful species are represented. On each side of this stand a path, 3 feet wide, leads past all the stages, which are about 3 feet wide and raised $2\frac{1}{2}$ feet above the ground. The space heneath the shelves is hordered with red ornamental tiles.

Between the stages and the wall is a space 3 inches wide, to allow the warmed air to circulate. The shelves are not perforated, but the pots are not stood directly upon them, being raised on a Pitch-Pine lattice-work 4 inches high, so that the air can freely circulate : this arrangement also enables zinc basins full of water to be placed near the plants, so as to increase the humidity of the atmosphere. The house is heated by twelve pipes, six on each side, so that in spite of the extent, an even temperature of 64° to 68° can be maintained. This charming building contains a considerable number of Orchids, all furnished by the Horticulture Internationale, the fine foliage of which fully attests the good care taken of them and the appropriateness of the locality chosen. Among the Orchids we may cite: sturdy specimens of different varieties of Lælia purpurata; good varieties of Cattleya labiata autumnalis, which have just bloomed well; the rare Lælia grandis tenebrosa, so much admired when shown this year for the first time, and which is now in spathe; Cattleya Mendeli, C. Mossiæ, C. aurea, C. gigas, C. Percivalians, with good promise of bloom; C. granulosa, various fine plants of Phalænopsis Schilleriana, P. amabilis, P. grandiflora, and other beautiful varieties; twelve splendid Angræcum sesquipedale covered with buds, showing excellent cultivation, 18 to 24 inches high, and of remarkable beauty; their graceful leaves are of a sombre green colour, entire all the way down to the pot; Oncidium Lanceanum, which has recently flowered; a quantity of Dendrobium bigibbum which has been in bloom five months, and is still covered with clusters of flowers; Grammatophyllum Ellisi, and other good species; Houllettia odoratissima Lindeni; fine plants of Lælia elegans; of Rodriguezia (Bnrlingtonia) rubescens, a charming species, the smallest plant of which has borne since the commencement of the season a dozen clusters of pure white flowers, most graceful in form. They began to come into leaf at once, and at the end of ten days some of them had as many as fifteen shoots, all well-rooted. As soon as the blooms were faded, the flower-stems were cut, and the surface of the compost dressed with living sphagnum, in which roots soon formed abundantly; to this treatment, the vigour of the plants may, doubtless, be attributed. The plants of Rodriguezia pubescens are hung about a foot from the glass, as are the Phalænopsis, certain Paphinia, Stanhopea, Miltonia Roezli, M. Phalænopsis, and M. vexillaria, now in full bloom, and many other species, the vigorous health of which leaves nothing to be desired. Other hot-house plants are doing well in the same house, especially the Nepenthes, which are hung near the entrance, and bear many graceful pitchers. The other houses contain various plants: Stephanotis floribunda climbs along the rafters: Cissus Lindeni and C. discolor; the charming Tropæolum Lindeni, newly imported by the Horticulture Internationale, has evergreen foliage of an excellent colour, and promises to take a first place as an ornamental plant; there are also Passiflora triloba, another recent importation, and many others. One house is full of Gardenia grandiflora, well grown, and blooming abundantly; others are filled with Pinks and other plants requiring a similar temperature. Finally, there is a house especially built for cool Orchids; it is about 65 feet long, 13 feet wide, and 73 feet high; the shelves to the right and left are about 2 feet above the ground; in the centre is a path about 3 feet wide. The shelves support Pitch-Pine lattices of various heights, on which the pots are arranged on steps, so that the plants may be as near the glass as possible. In this house is a fine collection of Odontoglossum, chiefly O. Alexandræ

^{*} Crooked conveys the idea of sharp angles, whereas the Cocoa-nut Palms are gracefully hent.

[†] Somewhat over 5000 feet would be more correct.