

H. Falconer.

REPORT

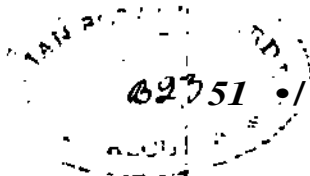


ON THE

Hon'ble Company's Botanic Gardens

CALCUTTA.

23/7/64



PARTS I. V. VI. VII.

p.p. 55, 56 Library structures and
98-110 Herbar. & alterations (p. VI. & VII.)
wanting

Printed by Authority.

I found that in 90
though a copy of the report
which I happened to see in the Sahasrampur
Library in March 1864. The Herbar.
the Herbar. of Sahasrampur. Giving all
CALCUTTA. me to take the report to
which I have then copied by
left with me. I am sorry
to hear in the notice

PRINTED AT THE BENGAL MILITARY ORPHAN PRESS,
BY G. H. HUTTMANN.

1843.

Received from India House
London June 1844.

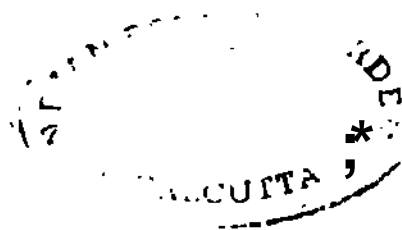
Rec^d from India House
June 1844

No. 1 .

GENERAL. CATALOGUE

OF

PLANTS.





REMARKS

ON THE

GENERAL CATALOGUE OF PLANTS

THIS General Catalogue contains the Plants *bonâ fide* in the Botanic Gardens at the present date.

2. It has been drawn up from the books kept by Buxoo, one of the head flalees, a person of abilities and extraordinary memory, capable of keeping pace with the most modern system of nomenclature. He is the only person in the Gardens acquainted with the names of the plants, and as the majority of these are not named even in Bengally or Nagree, if any accident had happened to him, no Catalogue at all could have been submitted. I believe it gives a faithful idea of the plants actually in these Gardens; it is rather, perhaps, in excess. The labour on my part has only consisted in writing the names Buxoo gave, and then arranging them, in which I have taken as a guide, merely for the sake of convenience, Lindley's Introduction to the Natural Orders.

The chief difficulty I have experienced has arisen from the very imperfect classification Buxoo has been obliged to follow, partly consisting of the Linnean, partly of the Natural Method; this last even in the instances of well-marked families being generally faulty and often quite erroneous. Thus of Verbenaceous genera, Buxoo's list did not contain Tectona, Duranta, Lantana, Symphorema; Scrophularinesc were defective in Ilussia, Gratiola, Veronica, Limosella, Gerardia, Angelonia, Antirrhinum, Maurandya, Browallia, Francisca, Celsia, Verbascum. Difficulties also arose during the incorporation of the lists of Seeds in the Seed House, &c. and of Plants in the Distribution Nursery, neither of which corresponded throughout in nomenclature with the Catalogue of Buxoo. The nomenclature, generally speaking, is to be regarded as obsolete, and not of the required degree of authority. The genera, in many cases, are a mass of confusion, for instance Cyperus, Panicum, Gratiola.

3. I have not derived any assistance from the Catalogues of the Superintendent, of which one only, without date, is tolerably complete. But this Catalogue I am informed is not limited to living plants *bonâ fide* in the Gardens; and several intricate genera, and some of the intricate families, are left either entirely or partly blank.

4. As the present Catalogue stands, it will be perhaps of service as a fresh starting point, and as enabling other Institutions to ascertain the extent of the Collection of

living plants in these Gardens; particularly as it shews the plants on the average distribution lists, and the seeds which may, on the average, be procured annually.

"T& In number of species it is scarcely richer than the Hortus Bengalensis of Dr. Roxburgh, published 29 years ago, the excess in its favour being perhaps 250 species. The number of *described* species is probably, however, considerably less. Yet in the meantime the number of species indigenous to British India, existing in Herbaria, has been trebled, and the number of exotic species generally has been also vastly increased.

6. The preparation of a Scientific Catalogue, giving accurately the authorities for the species, its native name, its country, name of the introducer, date of introduction, its habit, time of flowering, seeding, a reference to a good figure, meaning of the generic name, will consume considerable time: nevertheless the Gardens, the oldest established in India, and so liberally supported, should not, by the absence of a proper Catalogue, be a marked exception to a general rule.

7. The delay will be occasioned by the want of an Herbarium, the defective series of drawings, the want of essential books of reference, and of manuscript descriptions of plants named by the Superintendent, which are comparatively very numerous. In the meantime, a dried collection of the plants in this Catalogue, bearing the names of Buxoo, is in course of preparation—when these are identified, a complete Catalogue can be readily submitted.





GENERAL CATALOGUE

OF

PLANTS

IN THE HOITBLE COMPANrS BOTANIC GARDEN,

CALCUTTA.

ACOTYLEDONES.

FILICES.

- Acrostichum flagelliferum.
 „ **emarginatum.**
 M dimorpbum*
 Polypodium glabrum.
 „ quercifolium.
 „ 99 proliferum.
 „ 99 altissimum.
 Antrophyum sp.
 Hemionitis cordifolia.
 Pteris lunulata.
 „ 99 scandens, X
 „ 99 Sp.
 Davallia mntiflora, X
 „ 99 sp.
 Eygodium bicolor.
 „ 99 microphyllum.
 „ 99 sp.
 Ophioglossum flexuosum.
 „ cordifolium, x

MABSILEACEA:.

Marsilea quadrifolia.

SALVINIACEJE.

- Salvinia cucullata.
 „ 9 imbricata.
 „ verticillata.
 Azolla pinnata.

ACOTYLEDONES. Continued.

Musci.

- Tortula indica.
 EUISETE^.
 Equisetum debile, x
 CHAHACEA:.
 Chara involucrata.
 „ 99 verticillata.

MONOCOTYLEDONES.

SCITAMINE^.

- Zingiber officinale.
 „ • Zerumbet, x t
 „ pardocheiluin, |
 „ Cassumunar, x %
 „ ligulatum, }
 „ 99 rubescens, %
 „ 99 squarrosum, X X
 „ 99 panduratura, x {
 „ capitatum, %
 „ guttulatum, %
 „ elatum, J x
 „ barbatmn, %
 Curcuma zedoaria, {
 „ plicata, {
 „ zerumbet %

X Signifies plants in the Distribution Nursery.

X Plants which ripen seed in the Botanic Gardens.

SCITAMINEAE. Continued.

- Curcuma zanthorhiza, X X
 „ cordate, X
 „ elata, X X
 „ glaucophylla, X
 „ coesia, X
 „ attenuate, X X
 „ parviflora, X
 „ rubescens, X
 „ comosa, X X
 „ grandiflora, X
 „ leucorhiza, X X
 „ angustifolia* X
 „ longa, X
 „ Amada, X
 „ montana, X X
 „ latifolia,*
 „ reclinata, X X
 „ ornate, X
 „ cordifolia, X
 „ ceruginosa, X
 „ ferruginea, %
 Hitchcockia glauca, X X
 K&mpferia Galanga, X
 „ Roscoeana, X X
 „ rotunda, x X
 „ elegans, X X
 „ angustifolia, X X
 „ parviflora, J
 „ pandurate, X
 „ ovalifolia, \$ X
 „ marginata, X X
 Amomum dealbatum, X X
 Iledyclium carneum, X
 „ angustifolium, X X
 „ fastigiatum, X
 „ spicatum, X
 „ Gardnerianum, X
 „ acuminatum, j
 „ sulphitrem, %
 „ flavescens, †
 „ ellipticum, X
 „ gigantcuin, X
 „ datum, X
 „ coccineum, \$

Alpinia Galanga, X

SCITAMINEA. Continued.

- Alpinia AUughae, X
 „ bracteate, X
 „ nutans, X
 „ calcarata, {
 „ porrecta, X X
 Hellenia caerulea.
 Gastrochilus pulcherrimus.
 „ affinis.
 „ Jenkinsii.
 Plixiomera magnifica.
 Costus speciosus, X
 „ nepalensis, X
 „ argyrophyllus, X X
 Globba marantina, x X
 „ extensa, X X
 „ bracteolate, X X
 „ Careyana, x X
 Mantisia saltatoria.
 Scitaminea indeterminata.

CANNEJE.

- Phrynium dichotomum, X
 „ bicolor, x
 „ zebriniun.
 „ 8Ctosum.
 „ cylindricum.
 „ imbricatum.
 „ capitatum, X
 „ parviflorum.
 Maranta arundinacea, x
 „ ramosissima, X
 Canna Laniberti, x X
 „ indica, x X
 „ speciosa, x t
 „ glauca, x X
 „ coccinea, X
 „ discolor, X J
 „ flaccida, x X
 „ flavescens, X
 „ pallida, X

MITSACEIE.

Helicotia buccinata, x

~~MUSACEAE~~ Continued.

Strelitzia augusta.
 „ juncea.
 Musa Sapientum.
 „ paradisiaca, X
 „ coccinea, x
 „ ornata, {
 „ superba, J
 „ textilis, X
 „ glauca, x t
 „ rubra, X
 „ Cavendishii, X
 Ravenala madagascariensis, J

AMARTLLIDE-I!

Curculigo ordnidefl^ X
 „ recurvata.
 „ sumatrana, X
 Hypoxys ovata.
 Alstroemeria pulchella.
 Fourcroya tuberosa, X {
 Agave Cantala, X \$
 „ lurida, x X
 „ verrucosa, X X
 „ americana, }
 Doryanthes excelsa.
 Sprekelia Dalhousiei, X
 „ fonnosissima, X
 Hippeastrum ambiguum, x t
 „ stylosum, X
 „ equestre v. majus, X
 „ „ „ semiplenum.
 „ longe-pedunculatum.
 „ spathaceum hybrid,
 „ rutilo—JolinsonL
 „ pulverulentum.
 „ JohnsonL
 „ reticulatum, X \$
 „ — - - v a r stratifolium.
 „ vittatum.
 „ bulbulosum var. rutiluin.
 „ regince—hybrid.
 „ abvenum. ?
 „ fulgidum.
 Habrantlius tubispatha, x t

AMASYLLIDKE. Continued.

Habranthus rupestris, X
 „ spathaceus, x
 Zepnyrantnes grandiflora.
 „ Candida,*}
 „ crinita, X
 „ rosca, X X
 Coburgia variegata.
 Pancratium zeylanicum
 „ longiflorum.
 „ biflorum.
 „ triflorum.
 „ maritimum, x
 „ glaucum.
 „ carolinianunL
 „ cariboeun^ x
 „ ~~amaenum~~.
 Hymeocallis fragraos v. speciosa.
 „ caribcea, x
 „ tenuiflora, x
 „ amaina.
 „ angusta.
 „ rotata.
 Ismene calatliina, x
 Euryclesamboinensis, X
 Calostemma luteum.
 Hsemanthus pubescens.
 Ammocharis coranica v. pallida.
 Amaryllis reginae.
 „ equestris.
 „ pulcherrima.
 „ Belladonna.
 „ vittata.
 „ longifolia.
 „ aurea?
 „ coryncensis.
 „ aulica.
 „ pulverulenta.
 „ fulgens.
 Crinum amaenum, x
 „ erubesc. masson-capense.
 „ defixum, x X
 „ scabrum.
 „ zeylanicum, x
 „ 99 capense-goven.
 „ pratense var longifolium, X



AMABYLLIDEJE. Continued.

- Crinum pratense var lorifolium.
 „ erubescenti—capense.
 „ brevifolium.
 „ careyanum; x
 99 canaliculatum.
 99 canalifolium.
 „ australe var. pedunculatum, X
 „ amabile, X
 „ rigidum.
 „ toxicarium, X X
 „ mauritianum.
 „ nervosum.
 „ procerum, X
 „ angustum, x
 „ speciosum, x
 „ ornatum zeylanicum.
 „ ~~speciosum.~~
 „ ~~Careyanum.~~
 „ ~~Herbertianum.~~
 „ capense.
 „ ~~v. riparium.~~
 „ moluccanum, X
 „ Govenianum.
 „ Loddigesii.
 Brunsvigia utingensis.
 „ falcata.
 Nerinc venusta.
 „ undulata.
 „ stellata.

TACCACE-E.

- Tacca aspera, X
 „ pinnatifida, X
 „ lacvis.

IBIDEM.

- Gladiolus sp.
 „ „
 „ „
Ixia sp.
 „ „
 „ „

IRIDEJE. Continued.

- Pardantlms chinensis, X X
 Iris moroeoides, J
 „ chincnsis, x
 „ stenopetala.
 „ stenogyna?
 „ hungarica, X
 „ napalensis, X
 Cipura paludosa, x
 „ plicata.
 „ Northiana, X
 „ brasiliensis.
 „ humilis.
 Ferraria undulata.
 „ Ferrariola.

BROMELIACE^.

- Bromelia Ananas, x
 „ ~~bracteata~~ †
 LFla«CLCclptcl»9 ^>
 „ humilis, X
 „ sylvostris, x X
 „ **Karottas**, x X
 „ sp.
 „ sp.
 Bilbergia bicolor.
 „ pyramidalis v. bicolor.
 „ zebrina.
 99 humilis, x
 „ iridifolia, x
 Pitcairnia integrifolio, X
 „ bromelifolia, x
 „ latifolia.
 99 **staminea.**
 99 **bracteata.**
 Tillandsia aina»na.
 99 **acaidis.**
 „ sp.

HYDROCHARIDEÆ.

- Valisneria uetandra, X
 „ alternifolia, X
 «« verticillata, X
 Damasuniuu indicum, X

ORCHIDEECE.

Pleurothallis ophiocephal'a.
 racemiflora.
 Physosiphon Loddigesii
 Octomeria graminifolia.
 „ Loddigesii
 Oberonia iridifolia.
 Liparis cylindrostachya. X
 Otochilus fosca. x
 Pholidota imbricata. X
 99 pallida.
 9, articulata. x
 Coelogyne cristata. X
 „ elata. X
 § nitida. X
 „ decora. x
 9, barbata. X
 „ media. x
 9, undulata. X
 9, flavida. X
 9 ~~nitida~~
 „ rigida. X
 „ procox. x
 Megaclinium falcatum.
 Bolbophyllum recurvum.
 99 cocoinum.
 99 umbellatum. X
 99 Careyanum. X
 99 leopardinum. X
 „ fuscenscens.
 9, serpens.
 9, auricomum.
 Cirropetalum Lindleyi.
 99 vaginatum.
 Eriaflava. X
 steUata.
 „ carinata.
 M Jenkinsii. x
 99 planicaulis. x
 (Agrostophylli sp.)
 99 densiflora. x
 99 clavicaulis
 Aporum cuspidatunj. X
 „ anceps.
 Polystachya lutea.

OBCHIDECE. Continued.

Dendrobium Pierardi. x
 99 mtdticaule. x
 99 uncinatum.
 99 villosulum.
 99 coerulescens.
 99 Jenkinsii. x
 9, longicorne. x
 99 aggregatum. x
 99 moschatum. x
 99 calceolarc. x
 99 cemulum.
 9, cucullatum. x
 9, formosum. x
 99 Dalhousianum. x
 99 ungulatum.
 99 chrysanthum. x
 99 densiflorum. x
 99 heterocarpum. x
 99 amoenum.
 99 secundum.
 „ carinulatum. X
 99 crumenatum.
 Epidendrum ellipticum.
 99 clavatum.
 99 nutans.
 99 crassifolium.
 99 fuscatum.
 99 cochleatum.
 99 ciliatum.
 99 umbellatum.
 9, fragrans.
 „ Harrisonianum.
 99 noctunum.
 99 ciliare.
 99 sp.
 Brassavola cucullata.
 99 trinervis.
 Laelia autumnalis.
 „ Barkeriana.
 99 anceps.
 Cattleya Forbesii.
 99 Mossii y. superba.
 99 citrina.
 „ crispa.

SMILACINECE. Continued.

LILIACECE.

Gloriosa superba. X
 Lilium longiflorum. \$
 Fritillaria Thomsoniana.
 Tulipa Clusiana. \$

SMILACINECE.

Hemerocallis cordata.
 „ flava.
 Agapanthus umbellatus.
 Polianthes tuberosa. X
 Veltheimia viridiflora.
 Allium fragans. \$
 „ sativum. J
 „ Cepa. t
 „ tuberosum. X t
 „ nutans. \$
 „ spirale. \$
 Ledebouria hyacinthina.
 SciUa coromandeliana,
 „ indica. X
 Oniithogalum pinifolium.
 „ caudatum. \$
 Drimia lanceoefolia.
 „ media.
 Eucomis undulata.
 Anthericum tuberosum. J
 „ Nimmoni.
 „ vespertinum. x
 Asphodelus fistulosus.
 Tulbaghia violacea.
 Ophiopogon Wightianus. X
 „ japonicus. X
 Peliosanthes petiolaris.
 „ viridiflora, X
 Asparagus officinalis,
 „ * acerosa.
 „ racemosa. X t
 „ cthiophagU9.
 Dianella ensifolia. t
 „ nemorosa. x t
 Dracoena angustifolia. t
 „ cnaibrmis.

Draccena ferrea. x t
 „ arborea.
 „ terminalis. x
 „ brasiliensis.
 „ umbraculifera,
 „ spicata. X
 „ maculata. X t
 „ australis.
 „ reflexa. X t
 „ cernua.
 „ plicata.
 „ stricta.
 „ Hclfciana. x
 „ marginata.
 Sansevieria zeylanica. x t
 „ scssiliflora. X t
 Yucca glauca. J
 „ aloifolia. x
 „ superba. X
 „ scrrulata.
 „ gloriosa. x
 „ filamentosa.
 „ ferruginesu
 Xanthorrhoea kastilis.
 Eustrephus angustifolius. X t
 Lomatophyllum macrum. J
 „ borbonicum. J
 Aloe barbadensis. x t
 „ obscura. x
 „ attenuata.
 „ abyssinica.
 „ intermedia.
 „ purpurascens.
 „ saponarin. x
 „ arborescens. X
 „ coarctata.
 „ Inunilis.
 „ ferox.
 r> Conunelini.
 „ foliosn.
 Siüihix lutifolia. %
 „ sinyrncensis.
 „ quadranguhuis, }
 „ maculuta. x

LILIACEJB. Continued.

- Smilax Sarsaparilla.
- „ anceps.
- „ macrophylla. X
- 99 stipulacea. X
- „ prolifera. \$
- 99 ovalifolia. X X
- 99 laurifolia. X X
- 99 lanceoefolia. X
- 99 baccillaris. x
- Tupistra nutans. x X
- „ angustifolia. X X
- 99 aurantiacea.

COMMELINE-fi.

- Commelina ~~complanata~~ ^{Benghalensis} †
- 99 salicifolia. \$
- 99 nudiflora. \$
- %l „ ionasma? J
- Tradescantia discolor, x X
- 99 yirginiana.
- 99 fuscata.

BUTOMEJB,

- Butomus umbellatus.

ALIBMACS&

- Sagittaria verticillata. t
- 9, obtusifolia. X
- 99 sagittifolia. X
- Alisma Plantago. X

JUNC&2E.

- FlageUaria indica. + %
- t

DIOSCOBSA.

- Dioscorea globosa. X
- „ alata, \$
- „ rubella, j

DIOSCOBEJE. Continued.

- Dioscorea purpurea. %
- 99 aculeata. %
- 99 fasciculata. \$
- „ anguina, %%
- 99 nummularia. X
- 99 glabra. X
- 99 Daemonum. J
- 99 pentaphylla. %
- 99 Deppeana. \$

PANDANEAE.

- Pandanus moschatus, x
- „ lucidus. X
- 9, gratissimus.
- „ Melon: X
- 9i ~~canar~~ ^{indifolius}, x
- „ craasipes. %
- Candelabrum. X
- dubius. X
- 'faetidus. X %
- furcatus. x %
- utiKs. x X
- 9, Bp.

A&OIBRA.

- Piftia Stratiotes. \$
- Ambrosinia spinlift %
- „ ciliata. %
- Arum Colocasium. X
- „ viviparum.
- „ indicum. t
- 99 odorum.
- „ prolongum.
- „ cucullftum*
- „ fornicatum' X
- „ flagelliferum* J
- „ divaricatum. X
- „ orixense, %
- » trilobatum. X X
- „ scssiliflorum.
- „ companulatunu %

U

MOKOCOTYLEDONES .

AROIDÆ Continued.

- Arum bulbiferum. \$
 „ margaritifera x X
 „ gibbosum.
 „ furfuraceum L
 „ apertum.
 „ sinuosum. X
 „ punctatum.
 „ esculentum. J
 „ marginatum. X
 Dracontium triphyllum.
 Caladium pictum.
 Sauromatum guttatum.
 Philodendron crassifolium.
 Calla virosa.
 „ oblongifolia.
 „ calyptrata.
 „ aromatica. X
 „ picta.
 Pothos caudata.
 „ scandens. x X
 „ officinalis.
 „ acaulis.
 „ Harrisii.
 „ segetifolia.
 „ Deppei.
 „ obliqua.
 „ cannifolia.
 „ cortata. X
 „ gigantea. X
 „ decursiva.
 „ pinnata.
 „ sagittata.
 Lasia aculeata. X
 Acoms Calamus, x
 „ gramineus. x

LEMNACEÆ

- Lemna orbiculata.
 „ globosa.
 „ cruciata.

ROXBURGHIAEÆ.

- Roxburghia viridiflora. x t

TYPHACEÆ.

- Typha elephantina.
 „ angustifolia.

NAIADES.

- Potamogeton indicus. X
 „ tuberosus.

GRAMINEÆ.

- Poa chinensis. %
 „ cynosuroides. X
 „ diandra. X
 „ nutans. X
 „ plumosa. X
 „ multiflora. %
 „ unioloides. X
 „ gangetica. X

Festuca natang.

Aira filiformis. X

Eleusine Coracana. X

- „ stricta. X
 „ ~~egyptiaca~~ †
 „ indica. X
 „ verticillata. X
 „ calycina. X

Arundo Karka.

- „ Donax v. versicolor.

Melica latifolia. %

Andropogon serratus. X

- „ tcnellufl. X
 „ conjugatus. X
 „ filiformia. %
 „ scandens. X
 „ aciculatus. %
 „ punctatus. X
 „ muricatus. X
 „ glaber. X
 „ bicolor. X
 „ Surdum? J
 „ sacchnrftus. X
 „ laxus. X
 „ Ischoemum. X
 „ Kardus. X
 „ lialcensis. X
 „ SchoDnanthus. x X

~~GRAMINEAE~~ Continued.

Anthistiria ciliata.
 „ **polystachya.**
 „ arundinacea. %
 Sacchamm cylindricnm.
 95 spontanem. *t*
 » fuseum.
 „ semidecumbens.
 „ canaliculatum.
 „ Officinarum.
 „ chinense.
 „ procerum.
 „ Sara:
 Rottboellia perforata.
 Manisuris granularis.
 Faniczn spicatzn*
 99 glaucin.
 9f holcoides.
 „ interruptum.
 „ Dactylon.
 9i ellipticnmL
 * „ ciliare.
 . . . —
 99 cimicinnu
 99 coymbosmn*
 9> brizoides.
 „ flnitans.
 99 ~~lanceolatum.~~
 99 Colcyrmn.
 * 99 cuspidatum*
 „ setigerunu
 „ repens.
 99 hirsutum.
 99 verticillatum.
 „ italicum.
 95 strictum.
 9, hispidulunu
 99 finunentaceunL
 99 tenellum.
 99 paludosum.
 99 **aliginosum.**
 „ sarnlentosum,
 „ miliare.
 99 melicoidea,

~~GRAMINEAE~~ Continued.

Paspalum sp.
 Bambusa ar^{^^^i^ft}
 99 gigantea. x
 99 stricta.
 99 Tulda.
 99 Balcoora.
 „ baccifera.
 99 spinosa.
 99 nana. X

CYPEKACEJE.

Cyperus/ dubius.
 98 monophyUus.
 99 compressor
 99 difformis.
 99 rotundus.
 „ incurvatus.
 99 tortuosus.
 99 tenuiflorus.
 99 Iria,
 99 elongatus.
 99 Pingori.
 „ elatus-
 „ verticillatus.
 99 distans.
 99 tegetus.
 Scirpus tnberosus. *
 99 plantagineus.
 99 acicukris.
 99 bispicatus.
 99 ischoemoides.
 99 squarrosus.
 „ diphyllus.
 „ complanatus.
 „ tetragonus.
 99 quinqnangularis
 99 anceps.
 99 Kysoor.
 Kyllinga monocephala.
 99 umbellate
 Carex inuricata. x
 „ sp.

RANUNCULACEÆ.

Clematis Viticella.
 „ flamma. X
 „ Gouriana. x X
 „ cylindrica. X
 99 grata.
 „ integrifolia.
 „ Cadmia.
 Naravelia zeylanica. %
 Thalictrum foliolosum.
 „ elatum.
 Anemone nipalensis.
 Knowltonia grandifolia,
 Nigella indica. X
 Delphinium Ajacis. %

PAPAVERACEÆ.

Papaver somniferum. %
 Argemone mexicana. X

NTPHCEACEÆ.

Enryalé ferox.
 Nymphsea alba.
 „ Lotus, t
 99 versicolor.
 99 cyanea. t
 99 esculenta. †
 „ stellata. †

NELUMBONÆ.

Nelumbium Bpeciosnin. %

MYBISTICEÆ.

Myristica moschata. \$

MAGNOLIACEÆ.

Michelia Champaca. †
 „ Doltsopa. †
 Magnolia grandiflam
 n pxunila.
 99 feta
 Liriodondrum grandiflorum.
 99 filiflorum.
 Jfagnoliacea.

ANONACEÆ.

Anona squamosa. X t
 „ reticulata. X %
 „ muricata. X t
 „ CherimolL x t
 Uvaria undulata. X \$
 „ odorata. X t
 99 ventricosa. x X
 „ sesquipedalis. X
 99 purpurea. X %
 „ bicolor. x
 99 macrophylla. X %
 99 bracteata
 „ rufa.
 Guatteria cerasoid^s. x
 99 suberosa. %
 99 longifolia. X X
 99 velutina. X %
 99 Badajamba. X X
 99 fasciculate X X
 Unona longiflora. + X
 99 dumosa. X
 99 penduliflora.
 „ loBvigata.
 „ dasymoschata.
 „ pedunculata.
 Artabotrys densiflora.
 „ odoratissima. X X
 Hyalostemma Roxburghii. X †
 Kadsura japonica.

DILLENIACEÆ.

Delima hebccarpa.
 99 odorata.
 Wormia dentata. X J
 Dillenia augusta. X %
 „ speciosa. X t
 „ scabrella. x t
 Colbertia coromandeliana. †

UMDELLIFEEJÆ.

Anethum. foehiculaceum.
 „ Panmorium.
 Goriandrum ntivum* 1

ARALIACEJE.

Panax cochleatum. %
 „ digitatum.
 „ suffruticosum. X
 „ fragrans. x
 » aculeatum. x

Hedera floribunda.

Aralia nodiflora. X
 „ digitata.
 „ umbraculifera. x
 „ obovata.

Sciodaphyllum pulchellum. |

ESCALLONIEE.

Itea macrophylla.

BERBERIDEE.

Berberis asiatica. X
 Nandina domestica. X
 „

AMPELIDEE.

Cissua glaucsu X X
 „ quadrangularis. X <
 „ foemina. %
 „ elongata. X
 „ auriculata. X X
 „ latifolia. X
 „ lanceolaria. X X
 „ pedata. X
 „ carnosa. X
 „ vitiginea. X
 „ yinifera. |
 „ indica. X
 „ bracteolata. X
 „ capensis. X
 „ glaberrima. X
 Leea macrophylla. X X
 „ sambucina. X
 „ Staphylea-J
 „ hirta. J
 „ crispa. x X
 „ parallela-t
 » sanguinea. X

PITTOSPOEJE.

Pittosporum Tobira.
 „ „ y. variegatum. X
 „ ferrugineum.
 „ undulatum
 „ verticillatum. †

OLACINEE.

Olax scandens. X X
 „ imbricata.
 Balanites aegyptiaca. X
 Gomphandra axillaris.

ONAGRABIJE.

Fuchsia sp.
 „ sp.
 „ sp.
 (Enothera stricta. \$
 „ mollissima. X
 „ triloba. X
 „ tetrapctala. X
 » odorata. |
 „ rosea. x X
 „ grandiflora. J
 Jussieua repens. X
 „ villosa. \$
 Trapa bispinosa. X

HALOEAGEJE.

Myriophyllum verticillatum. X
 „ tuberculatum. {
 Sei'picula verticillata. X

COMBRETACEE.

Terminalia Catappa. x X
 „ procera. x X
 „ Fatroea. x X
 „ Bellerica. x X
 „ Chebula. X X
 „ angustifolia. X X
 „ citrina. X X
 „ Benzoin. %
 „ oblonga. %

COMBRETACEAE. Continued.

- Pentaptera tomentosa. %
 99 Arjina. x t
 99 **glabra.** ‡
 99 bialata. k t
 99 paniculata. X J
 Getonia nutans. X \$
 Conocarpus latifolia. it
 „ acuminata* \$
 Poivroea pilosa. X X
 99 coccinea. X
 „ Roxburghii. ^ J
 99 densiflora.
 Oombretum decandrum. X
 99 chinense. x
 99 **extensum.** X
 „ acuminatum. x %
 99 costatum. X J
 „ bullatum.
 99 comosum.
 99 **Wightianum.** ‡
 Qtdsqualis indica. X*%
 Lumnitzera racemoia.

ALANGIACE.

- Alangium decapetalum. X t
 Marlea begonifolia. x t

RHIZOFHOBRS.

- Rhizophora gymnorhiza. J
 99 **decandra.**
 Carallia liiciaa. >^ t.
 „ lanceifolia: x %

MEMECTLE^Q.

- Memecylon capitellatum x t
 99 tinctorium. x t

MTRT_A FTAMACEJE.

- Melastoma erythrophj>W4m.
 99 sp.
 99 sp-
 Arthroctemma **linatum.**

MYRTACEAE.

- Tristania megaphylla.
 Melaleuca Leucadendron. ‡
 „ GajuputL {
 99 nodosa.
 99 sp.
 Eucalyptus resinifera.
 Callistemon lophanthunL
 99 lineare.
 99 pinifblum.
 99 lanceolatnm.
 Metrosideros verus. X
 99 linearis. %
 Psidium pomiferum. j!
 99 polycarpon. %
 99 pyriferrum. X ‡
 99 Cujavillus. x t
 99 guinense. X t
 • 99 Cattleyanum*
 Jossinia revoluta.
 99 buxifolia.
 99 elliptica.
 Myrtus comtinnifu X
 „ califlora.
 „ tomentosa.
 „ **Pimenta.** x ‡
 Syzigium balsameum. X
 99 oleinum.
 99 nervosftim. X %
 99 glomeratum.
 99 fruticostao; X
 „ **myrtifolium.** x ‡
 99 inophyllums %
 99 tetragonum. X
 Caryophyllus aromatidiu.
 Eugenia Jambolana. X ‡
 99 cymosa. X %
 „ grata. J
 99 zimeniflora. %
 99 lanceoefolia. %
 99 buxifblia.
 99 pulchella. X %
 „ bifaria. X
 99 bracteata. x
 99 **brasiliensis.**
 Jambosa **malaccensis.** * t

MJSXACEM. Continued.

CCCUBBITACEJE. Continued.

Jambosa purpurea. X t
 „ polypetala. x t
 99 ternifolia. X t
 9 alba. X X
 99 vulgaris. X X
 99 decora. X
 9, aquea. X t
 Careya sphaerica. f
 99 herbacea. X
 99 arborea. J
 Barringtonia speciosa. x
 9 acutangula. X X
 99 racemosa. X t
 Foetidia mauritiana. x

GBANATEJC-

Punica Granatum. x t
 nana. \$

PHILADELPHIA.

Phladelphus coronarius.
 Deutzia scabrella.

CoBNEuC.

Cornus macrophylla. X
 oblonga. x

LORANTHACILfi.

Loranthus bicolor. X
 globosus. i

CuCUEBITACE-fi.

Cucumis trigynus. %
 99 Colocynthis. %
 99 Melo. X
 99 sativus. X
 99 Momordica. X
 iififiaifitif. +
 „ turbinatus. X

Cucumis madraspatensis. ‡
 99 integrifolius. %
 Luffa pentandra. J
 „ major. \$
 99 acutangula. X
 „ graveolens. J
 Bryonia scabrella. X
 Trichosanthes anguina. X
 „ dioica. %
 9 lobata. X
 99 palmata. j:
 Coccinia indica. X
 Momordica Charantia. X
 99 muricata. X
 99 nuxta. X
 99 umbellata. {
 Cucurbita Lagenaria..\$
 99 Pepo. t
 9, Melopepo. i
 „ Citrullus. %
 Zanonía clavigera. x J
 5, integerrima.

CACTEJE.

M^mi'llnn'a pnnfiia. X
 „ stylata.
 99 erecta.
 „ tenuis. ^x
 Melocactus comigerus.
 „ erectus.
 Echinocactus Rhexil
 99 multiplex.
 9, tubiflorus.
 „ laniger.
 „ erectus.
 „ Seripium.
 „ sp.

Cereus trigonus.
 „ peruvianus. X
 „ grandiflorus. X
 „ triangularis. X
 „ tetragonus. X t
 „ speciosissimus. X

CACTEJE. Continued.

Cereus setosus. X
 „ **hybridus.**
 „ **Jenkinsonianus.**
 „ **truncatus.** X
 „ **candidus.**
 „ **niger.**
 „ **lanuginosus.**
 „ **nycticalus.**
 „ **ciliatus.**
 „ **extensus.**
 „ **regalis.**
 „ **jamaicensis.**
 „ **anisogonus.**
 „ **tortulanus.**
 „ **mysurus.**
 „ **matrinus.**
 „ **loranthoides***
 „ **ovatus.**
 „ **brasiliensis.**
 „ **coccineus.**
 „ **malacineus.**
 „ **triqueter.**
 „ **obtusus.**
 „ **columnaris.** X
 „ **multangularis.**
 „ **repandus.**
 „ **Deppei.**
 „ **BonplandiL**
 „ **virens.**
 „ **subrepandus.**
 „ **retusus.**
 „ **nobilis.**
 „ **Princeps.**
 „ **Castus minor.**
 „ **grandis.**
 „ **gracilis.**
 „ **Bidroida ?**
 „ **hexagonus.** X
 „ **sp.**
Opuntia curassavica. x
 „ **cochinilifer.** x X
 „ **vulgaris.** x
 „ **polycantha.**
 „ **Tuna,** X X

CACTR&:. Continued.

Opuntia brasiliensis. X X
 „ **Dillenii.** x
 „ **microdasys.**
 „ **leucacephalus.**
 „ **Stapelia.**
 „ **senilis.**
 „ **chilensis.**
 „ **triacantha.**
 „ **elafion** x
 „ **spinosissima.** X
Pereskia aculeata. x
 „ **Bleho.** x
Rhipsalis salicornoides. X
Epiphyllum latifrons.
 „ **speciosum-rubruoL**
 „ **marginatum.**
 „ **grandiflorum—coccineum.**
 „ **Vandesii.**
 „ **Freesii.**
 „ **alatum.**
 „ **ciliare.**
 „ **Russellianum.**
 „ **Hitchinii.**
 „ **JenkinaoniL**

HOMALINEJS.

Blackwellia spiralis. x X
foctida. X

FICOIDE^J.

Mesembryanthemum cordifolium. X ‡

BEGONIA CEJS.

Begonia argyrostigma.
 „ **heracleifolia.**
 „ **nitida.**
 „ **reniformis.** X
 „ **humilis.** ±

CBUCIFERJE.

Sinapis nigra. X
 „ **alba.** X

CBTTCIFEBJB. Continued.

Sinapis dichotoma. X
 „ glauca. X
 „ ramosa. %
 „ divaricata. X
 „ patens. X
 Raphanus sativus. X
 Nasturtium montanum^ {
 Cochlearia Armoracia.
 Erucago aspera? %

CAPPARIDEJE.

Cleome viscosa. |
 9, ChelidoniL X
 » pentaphylla. X
 Niebuhria linearis.
 „ oblongifolia, x X
 Cratoeva Roxburghii. X X
 „ Niirvala. X
 „ obovata. X
 Capparis horrida. X X
 „ zeylanica. X
 „ eepiaria. X X
 99 aphylla.
 „ urophylla.
 „ Heyneana.
 Roydsia suaveolens.

RESEDAOSA.

Reseda odorata. X

YIOLABIEIE.

Viola cucullata. X
 99 sutfruticosa.
 „ primulifolia. X X
 9, serpens. X
 „ odorata. x
 Ionidium sulfuticosum. x X
 Alsodeia benghalensis. X
 9, RoxburghiL x t

SAMYDEJE,

Casearia coriacea. x
 „ Vareca.

SAMYDEE. Continued.

Casearia glabra.
 99 pentandra.
 99 glomerata.
 99 acuminata. *
 99 tomentosa.
 99 fasciculata.
 99 lanuginosa. X

MOBINGEA.

Moringa arabica. \$

FASSIFLOBEIE.

FassifloraL laurifolia. X t
 „ edulis. x X
 „ quadrangularis. X
 „ incarnata-var.
 99 foetida. t
 99 holosericea. X
 99 minima. X t
 99 alata.
 99 racemosa.
 99 Mayana.
 99 coeruleo-racemosa.
 99 lunata. x X
 99 chinensis. X
 99 serratifoliju x
 99 bicolorata.
 99 kermesina. X
 99 incamatoalba. X
 99 Herbertiana. X

Murucuia ocellata, x }

Modecca triloba.
 99 extensa. x
 99 palmata. X
 99 furfuracea. x

FAPAYACEA.

Carica Papaya, x t

FLACOUBTIANEA

Flacourtia inermis. X
 99 catapiracta. x X

FLAeouBTiAXEJs. Continued.

flacourtia sepiaria. J
 cordifolia. £
 „ rotundifolia., X
 ferox. J
 „ Ramontchi.
 „ sapida. x J
 „ Stigmarota. X
 Roumea chinensis. X X
 Phoberos Roxburghii. \$.
 Choulmoogra odorata. X
 Hydnocaiplus inebrians.

TURHERACEJE.

Turnera trioniflora. X X
 „ ulmifolia. X X

BIXINEE.

Bixa Qrellana. X J
 „ purpurea. x t
 Prockia Crucis. X
 Ludia spinosa. X
 „ fctida. x
 Azara integrifolia. X

GUTTIFEFiiB.

Mammea americana.
 Garcinia cornea. X X
 „ Cowa. x t
 „ purpurea. X t
 „ paniculata.
 „ pedunculata.
 „ Gambogia. X t
 „ lanceoefolia.
 „ porrecta. x t
 „ celebica.
 „ Mangostana.
 „ dioica. x X
 Xanthochymus pictorius. x X
 „ dulcis. x X
 „ ovalifolius. x X
 Mesuaferrea. x
 Calophyllum Inophyllum. X %

GUTTXFE&S. Continued.

Calophyllum Tacamahaca.
 „ sp.
 Canella alba. X

HTFERICINEA.

Hypericum chinmse. X
 Ancistrolobus carneus. X X
 „ eugenifolius. %
 „ prunifolius.

TERNSTROMIACEM.

Cochlospermum gossypinum. x X
 Saurauja fasciculata.
 Camellia japonica.
 „ sp.
 Thea viridis.

ACERIKKB.

Acer oblongum. X X
 „ Negunda X

SAPIKDACEJB.

Cardiospermum canescens. X X
 „ Halicacabum. %
 Paullinia carthaginensis.
 „ brasiliensis.
 Schmidelia serrata.
 „ dentata.
 „ racemosa*
 Sapindus emarginatus. X X
 „ laurifolius.
 „ angustifolius.
 „ detergens. X X
 Saponaria. x
 „ rubiginosus. X
 „ fruticosus. X
 „ polyphyllus.
 „ acuminatus.
 Cupania altornifolia.
 „ lttvis.
 „ canescens. x
 „ sapida. X

SAPINDACEJE. Continued*

Stadmarinia Sideroxylon.
 Tina madagascariensis.
 Harpullia cupanioides. X
 Pierardia sapida.
 99 dulcis.
 Nephelium Litchi. x '
 ,, Longan. X
 ,, variabile. x
 ,, rubrum. X
 ,, verticillatum.
 Scytalia Rambutan.
 Melicocca bijuga. x |
 ,, diversifolia.
 99 Sp.
 Dodonooa bunnanniana* X X
 Cossignea borbonica. X
 Schleicheria trijuga. X X
 Millingtonia simplicifolia. X X

HIPPOCASTANEAi.

Æsculus punduanus.

POLTGALEJU

Polygala arvensis. „J
 Securidaca paniculata. X t .

ELATINEJE.

Bergia verticillata. X
 ,, ammanioides. J

LINEJE.

Linum trigynum. X X
 ,, tetragynum. X X
 M usitatbsimum. X

STEBCULIAOSLS.

Sterculia pallens. x X
 99 oroata. X
 ,, Balanghas. X X

STEBCULIACEJS. Continued.

Sterculia urens. x X
 99 colorata. x J
 99 comosa. X
 99 heterophylla.* X
 99 acidifolia.
 99 villosa. X X
 99 platanifolia.
 99 alata. X X
 99 guttata. X X
 99 lanceoefolia. %
 99 coccinea. X t
 99 parviflora.
 99 angustifolia. t
 99 foetida. X X
 99 populnifolia. X X
 ,, campanulata. X X
 Heritiera minor, x X
 ,, macrophylla. x X
 ,, acuminata.

Ochroma Lagopus. X

Helicteres Isora. X t

 99 pulchella. X X
 99 spicata. X
 99 angustifolia. X X
 99 virgata. x t
 99 elongata. X X
 99 hirsuta. X X

Bombax Ceiba. X

 99 pentandruxn. X
 ,, heterophyllum. %
 ,, malabaricum. X

Adansonia digitata. X X

Pentapetes phoenicea. X

Doinbeya acutangula.

 99 undulata.
 99 astrapoeidefc
 99 tilicBfoUa.
 99 palmata,

Pentaglottis tomentosa. %

Actinophora fragrans.

Pterospermum suberifolium. x X

 ,, acerifolium. X X

 99 acuminatum.

 99 semisagittatum, x ‡

STERCULIACEAE. Continued.

- Pterospermum lanceoefolium.* X ‡
 „ *aceroides.* X X
 „ *reticulatum.* X
Astrapoea Wallichii.
Kydia calycina. X X
 „ *fraterna.*
Erioloena Wallichii.
 „ *Hookeri.*
Microchloena spectabilis. X
Theobroma Cacao. X
Abroma augustum. X X
Guazuma tomentosa, X *t*
Commersonia echinata. J
Byttneria pilosa. X
 „ *aspera.* x X
 „ *catalpifolia.*
 „ *ovata,* x
 „ *sp.*
Kleinhovia Hspita. X X
Melochia tilkrfolia, X
Glossospermum pyramidale. X
 „ *velutinum.* x X
Riedleia guazumifolia, X *t*
 „ *borbonica,* X
 „ *corchorifolia.* *t*
Waltheria indica. X
 „ *velutina,* X

MALVACEAE.

- Malva polystachya,* X
 „ *scoparia,* *t*
 „ *mauritiana.* %
 „ *peruviana.* X
 „ *caroliniana.* X
Malvaviscus arboreus. X X
AJthcua rosea. X
Malachra fasciata. J
 „ *capitata.* X
 „ *heptaphylla,* %
Urena lobata, X
 „ *macrocarpa,* X
 „ *sinuata.* %
 „ *lappacea.* %

MALVACEAE. Continued,

- Urena rigida.* x %
 „ *tricuspis.* %
Sida nudiflora. X
 „ *angustifolia.* X
 „ *macrophylla.* X
 „ *acuta.* X
 „ *humilis.* X
 „ *polyandra.* X
 „ *lanceolata,* X
 „ *retusa.* X
 „ *rhomboidea.* X
 „ *rhombifolia.* X X
 „ *cordifolia.* X
 99 *crispa,* J
 „ *tomentosa.* X
 „ *horrida.* J
 „ *asiatica,* X
 „ *indica,* %
 „ *graveolens.* %
 „ *mollis.* x X
 „ *cristata,* {
 „ *arida,* x *t*
 „ *montana.* X
 „ *periplocifolia.* X
Abutilon striatum. X X
Lagunoea Patersonia, X
 „ *lobata,* X
Anoda hastata, }
Pavonia odorata. X
 „ *rosea,* %
 „ *zeylanica.* X
Hibiscus populneus. X X
 „ *populneooides.* X X
 *y *J^incuevi.* yc I
 „ *tortuosus.* X X
 „ *macrophyllus.* x X
 „ *Rosa sinensis.* X
 „ *phoeniceus.* X X
 „ *syriacus.* x %
 „ *rigidus.* J
 „ *peruvianus.*
 „ *Lampas.* X %
 §9 *culinus.* X
 99 *vitifolius.* X

MALVACEJE. Continued.

Hibiscus mutabilis. x t
 „ scandens. X
 „ chinensis. X
 „ tricuspis. X X
 „ surattensis. X
 „ diversifolius. X
 „ liliiflorus. X t
 „ Sabdariifa. J
 „ radiatus. X X
 „ longifolius. X
 „ tetraphyllus. X
 „ Trionum. X
 „ sulphureus. X
 „ cannabinus. X X
 „ esculentus. X
 „ furcatus. X

Abelmoschus moschatus.
 „ ficulneus. X
 „ longifolius. X
 „ pentaphyllus. X

Decaschistia crotonifolia.

Paritium tiliaceum.

„ Bealei. X-

„ sp.

Gossypium obtusifolium. %

„ arboreum. \$
 „ herbaceum. X
 „ religiosum. X
 „ vitifolium. X
 „ acuminatuitL x X
 „ barbadense. X X

EL2EOCABPE.E.

Eloeocarpus aristatus. X

„ scrratus. X X
 „ rugosus. X
 „ longifolius. X
 „ lucidus. x X
 „ sp.
 „ sp.

DirTEEOCABReJE.

Hopea faginca. X X

DIPTEROCABPEJE. Continued.

Hopea odorata. X X
 Shorea robusta. X X
 Dipterocarpus alatus. £
 „ turbinatus. X

TILIACEJE.

Corchorus olitorius. X
 „ fascicularis. X
 „ fuscus. X
 „ decemangularis. X
 „ trilocularis. X

Triumfetta ovata. X

„ Bartramia. X

„ oblonga. X

„ trilocularis. %

Grewia columnaris. x X

„ microstemma. X X

„ oppositifolia. X X

„ floribunda. X X

„ asiatica. X X

„ pilosa. X

„ occidentals. X X

„ polygama. X

„ viminea. X t

„ sepiaria. X X

„ sapida. {

„ sclerophylla. X

„ umbellata. X

„ abutilifolia. X X

„ Microcos. X

„ paniculata. J

„ ovalifolia. X

„ tomentosa. X t

„ didyma. X

„ denticulata. X

„ humilis. X X

„ aspera. X

Berrya Amomilla. X X

Brownlowia elata. x X

LYTHBABI^E,

Ammannia vesicatoria. X

„ octandra. X

LYJTHBA&IEJE. Continued.

Ammannia multiflora. †
Heimia myrtifolia. X J
Ginoria amerigana,
Lawsonia inermis. X X
Orislea tomentosa. x X
Lagerstroemia elegaus,
 „ *indica,* x X
 „ *Reginsa.* X X
 „ *maerooarpa,* x X
 „ *parviflonw* x X
 • *Duabanga sonneratioideB.* X X

MELIACEIE.

Quivisia heterophylla, X
Turroea pinnata.
Melia Azederach. X
 „ *composita.* x t
 „ *robusta-* X X
 „ *sempervirens*^ x %
AtZedaraclita indica. X
Mallea RothiL X X
Amoora Rohitoka. X X
 „ *cucullata.* X
Milnea edulis. X
Walsura piscidia. X t
Monocyclis robusta. X
Epicharis exarillata. X X
 „ *mollis.* x X
Sandoricum indicum. x X
Ekebergia integerrinçpu ^
 „ *indica.* X
Heynea trijuga. x X
 „ *quinquejuga.* X
Ghiarea mollis. X
Aglaia odorata. X X
 „ *spectabilis.* %
 jf *ujidulata.*
 „ *Careyana.* x %
Cedrela Toona. x X
Swietenia Mahagoni. x X
 „ *febrifinga.* x X
 „ *Chickrasoia.* X
 „ *CUoKpytan,* x t

AURANTIACEE.

Atalantia pubigera.
 „ *monophylla.* %
Triphasia trifoliata. %
Limonia alternans. X
 „ *caudata.* X
 „ *acidissima.* J
Cookia punctata. X
Murraya exotica. X
 „ *sumatrana.* X
Bergera KoenigiL X
Micromelum integerrimunL X
Clausena nana. J
 „ *suffruticosa.* X
 „ *punctata.* X
 „ *sumatrana.* X
 „ *heptaphylla.* t
Glycosmis citrifolia. X
 „ *pentaphylla.* X
 „ *oxyphylla.* X
 „ *tetraphylla.* X
Feronia Elephantum. x X
 ^gle *Marmelos.* x X
Citrus acida. X J 11 varietioa.
 „ *medica.* x t
 „ *Aurantium.* X
 „ *decumana.* x X
 „ *Banksii.* f
Luvunga scandens. x X
Sclerostylis atnlançioideg, X J

SPONDIACRS.

Foupartia axillaris. X X
 „ *Mangifera.* x t
 „ *acuminata.* X
 „ *dulcis.* x X
 „ *longifolia.* x X
 „ *lutea.* %
 „ *borbonico.*
Shakua excelsa.

RnAMNELfi.

Zizyphus trinervis. X
 „ *hftinosiu.* x X

RHAMNACEAE Continued.

- Zizyphus latifolius, %
 flexuosus. X
 „ Jujuba. X X
 „ vulgaris. x X
 „ glabra. ^ X
 Caracatta. X X
 „ Nepetta. X
 incurva. J
 Berchemia floribunda. X
 Ventilago madraspatana. X t
 „ sp.
 „ sp.
Rhamnus virgatus. †
circumscissus. †
 „ lucidus. %
 Hovenia dulcis. X X
 Colubrina asiatica. X X
 „ napalensis. X X
 Gouania leptostachya, X X
 * „ madagascariensis. X X

CHAILLETIAC&SU

Chailletia erecta.

BURSERACEAE.

- Boswellia serrata. X X
 Canarium commune.
 Btinctum.
 „ geniculatum.
 Icica indica. X X
 Balsamodendron Commiphora. X
 „ Roxburghianum. x
 Sorindeia madagascariensis. X t
 Garuga pinnata. X X
 „ madagascariensis.

EUPHORBIAE?

- Sarcococca prunifolia. x
 Buxus sempervireiu.
 Securinega borbonica.
 Cicca disticha. X t
 Emblica vulgaris, X t

EUPHOBIAE? Continued.

- Kirganelia elegans. J
 Xylophylla angustifolia.
 Phyllanthus JuniperL
 „ cordatusT
 „ simplex. {
 obcordata. X
 „ retusus. X X
 „ Leucopyrus* X
 „ Nirurl X
 „ Simsianus. %
 „ Arenaria. %
 „ multiflorus x X
 „ incanui %
 „ reticulatus. %
 „ bseobotryoides. X
 patens: x X
 „ reclinatus. x
 „ tetrandrus.
 cerasifolius.
 „ juniperinus. X
 Andrachne trifoliata. X %
 Clutia collina. x X
 „ semperflorens. |
 „ oblongifolia. x t
 „ spinosa. f
 „ scandens. f
 Bradleia multilocularis. X X
 „ nitida. x X
 „ hirsuta. J
 „ sinica. X
 Briedelia attenuata. X t
 „ amoena. x X
 „ Berryana. x X
 „ lanceaefolia. X X
 Croton variegatum. X
 „ latifolium. x
 „ TigUum. x X
 „ oblongifolium. X X
 „ eloeocarpifolium. x t
 „ polyandrum. X X
 „ urophyQum.
 „ lepidotum.
 „ drupaceum. x X
 „ tevigatum. X

JEUPHRBIACE-SE. Continued.

Croton bineurosum.
 „ punctatum.
 „ iliciodorum. x
 „ rubrum. x
 Habmatospermum neriifolium. X
 Jatrophia Curcas. X
 „ multifida. X X
 „ glandulifera. X
 „ carnosia. x X
 „ pandurifolia.
 Janipha Manihot. x X
 „ Yuquilla. x X
 Rottlera tinctoria. X X
 „ barbata. X
 „ rugosa. X
 „ dicocca. X X
 „ alba. X
 „ pterococca. £
 „ peltata. x
 Govania nivea.
 Gelonium fasciculatum. x
 „ bifarium. X X
 „ lanceolatum. X
 Ricinus communis. X X
 „ Mappa.
 „ dicoccus. x
 Elaeococca vernicosa.
 Aleurites triloba. X
 „ pentaphylla. J
 Anda Gomcsii. X
 Acalypha indica. X
 Flukenetia corniculata%
 Tragia Chamcelea. |
 „ colorata. X
 „ involucrata* X
 Sapium indicum. x \$
 M sebiferunu x t
 „ baccatum.
 j, C~~OMM~~IT[^]. X
 „ lineatum.
 Hura crepitans. x X
 Excoecaria Agallocha. X \$
 Dalechampia madagascariensü. %
 Euphorbia Antiquorum. X X

EuPHOBBiACUffi. Continued,

Euphorbia hoyifolia. X
 „ arborescens.
 „ lactea. X
 „ trigona. X
 „ neriifolia. |
 „ pyrifolia. J
 „ ligularia. X
 „ TirucallL x
 „ hirta. %
 „ thymifolia. X
 „ Chamaesyce. X
 „ punicea. %
 „ prunifolia. X
 „ BojerL X X
 „ terracina %
 „ splendens. X X
 99 jacquiniflora.
 Pedilanthus tithymaloides. X %
 „ carinatus.
 Xcroglottis fragrans.
 Trewia nudiflora. X
 „ atroviridis.

CELASTBINEJE.

Euonymus garcinifolius. x X
 „ lanceolatus.
 „ scandens. X
 „ bullatus.
 99 Hamiltonianus. X
 99 glaber. x
 99 grossus.
 Cclastrus foscicularis. v
 ^ ^ ^ %
 99 pallidus.
 99 montanus, x
 99 oblongus. X
 verticillatus. †
 „ nutans. x †
 „ trigynus. X
 99 buxifolius.
 99 stylosus. x
 99 rufus. X
 99 multiflorus. †
 Elaxxlendron orientale.
 \$> glaucum. x t

CELASTRINEJE. Continued.

Uippocratea indica. x t
 „ obtusifolia. X \$
 „ arborea. x
 „ viminea. x
 „ SP;
 Salacia longifolia. X t
 „ prinoides, x t
 „ acuminata. J
 „ Roxburghil J
 „ celastrifolia.

STAPHYLEACEA

Dalrymplea pomifera. x

MALPIGHIACEA.

Malpighia coccifera. J
 „ punicifolia. X t
 Byrsonima lucida. X t
 „ pulcherrima. t
 Hiptage racemosa. x t
 „ obtusifolia. x t
 Thryallis brachystachys.
 Gaudichaudia granitica. X
 Hinoa nutans. X t
 „ hirsuta. X t
 „ napalensis. X t
 Banisteria laurifolia.
 Heteropteris argentea.
 Stigmaphyllon aristatum.
 Erythroxylum monogynum. x
 „ longifolium.
 „ hypericifolium. X
 „ buxifolium.
 „ laurifolium.
 „ lancifolium.

PORTULACEJB.

Portulaca oleracea. \$
 „ meridiana, |
 „ pUosa. %
 „ Caffra.
 Talinum patens. X

CARYOPHYLLEJS.

Dianthus Caryophyllus.
 „ paniculatus.
 „ suaveolens,
 „ chinensis t*
 „ petraeus.
 „ barbatus.
 „ superbus.
 „ PlumierL
 Saponaria officinalis. %
 Stellaria triandra.

ILLISCEBBEJE.

Pharnaceum Mollugo. %
 „ pentagynum. %
 Mollugo Spergula. %

TAMABISCIKEIB.

Tamarix indica.
 „ dioica. x

OCHNAGE&

Ochna squarrosa. x %
 „ stipulacea. X
 Gomphia angustifolia.

SIMABUBEA

Quassia amara.
 Samadra indica.

RUTACE&

Ruta graveolens. x
 „ albiflora. J
 Cyminosma ReevesiL %
 „ pedunculatum. (

ZBYGOPHYLLEA

Tribulus lanuginosus. %
 „ cistoides. %
 Ghuúfcusi officinak. x

XANTHOXYLEÆ.

- Brucea mollis. J
 „ sumatrana. x %
 Xanthoxylum undulatum. X
 „ Budrunga. X X
 „ nitidum. X
 Toddalia floribunda. X
 „ capparidea.
 „ aculeata. X
 Fagara triphylla.
 „ australis.
 Ailanthus excelsus.
 „ eglandulosus.

GERANIACEÆ.

- Geranium napalense. x X
 Erodium moschatum. X X
 Pelargonium cucullatum.
 „ Radula.
 „ capitatum.
 „ ovatum.
 „ Malcolmii, X
 „ crassipes, x

BALSAMIXEÆ.

- Impatiens Balsamina. X
 „ laevigata. X
 Hydrocera triflora. \$

TROP.EOLEÆ.

- Tropaeolum pentaphyllum.
 „ majus.

OXALIDEÆ.

- Averrhoa Carambola. X X
 „ BilimL x t
 Oxalis comicmlata. X
 Si sensitiva. X
 „ DeppeL
 „ cafrina.
 „ cernua.
 „ variabilis y. albiflonu

CORIARIEÆ.

- Coriaria nepalensis. †

ROSAEÆ.

- Rosa multiflora. X
 „ indica.
 „ rubiginosa.
 „ centifolia.
 „ cliinensis. X
 „ semperflorens. X
 „ caroliniana.
 „ glandulifera.
 „ involucrata. X X
 „ microphylla.
 „ procumbens. X
 „ Bartoniana.
 „ canina T. borbonica.
 Rubus hexagonus.
 „ albescens.
 „ rosifolius. x
 „ paniculatus. †
 Fragaria indica. X
 „ vesca. X
 Agrimonia nepalensis.
 Kerria japonica. x
 Spiraea Roxburghii. x
 Crataegus crenulata. X
 „ glauca.
 Raphiolepis indica. x
 Photinia eugenifolia.
 „ japonica.
 „ benghalensis. x X.
 Pyrus communis.
 „ chinensis.
 Gotoneaster affinis.
 Pygeum acuminatum.
 Prunus armeniaca.
 „ violacea.
 „ caroliniana.
 „ Puddum. x
 „ triflora.
 Amygdalus Persica 12 var. †
 Cerasus JenkinsiL †

LEGUMINOSJE.

Sophora tomentosa. x X
 „ *glauca.* x X
 „ *occidentalis.* X X
 „ *japonica.* X
 „ *Hopeana.* X
Edwardsia madraspatana. X
 „ *grandiflora.* \$
Ormosia dasycarpa. X X
Virgilia aurea. J
 „ *latifolia.* X
 „ *sericea.* X
Crotalaria grandis. %
 „ *juncea.* X
 „ *vasculosa.* X
 „ *tenuifolia.* X
 „ *tetragona.* X
 „ *stricta.* f
 „ *fulva.* X
 „ *pulcherrima.*
 „ *retusa.* X
 „ *verrucosa.* X
 „ *bialata.* X
 „ *cuspidulata.* X
 „ *cytiaoides.* X
 „ *uncinella.* X
 „ *elliptica.* X
 „ *labumifolia.* x t
 „ *Trifolium.*
 „ *violacea.* X
 „ *pulchella.* X
 „ *capensis.* X
 „ *quinquefolia.* X
 „ *incana.* X
 „ *striata.* X
 „ *Boroni.* X
 „ *pilosa.* X
Cytisus Cajan. X
Medicago ciliata. X
 „ *lappacea.* X
^rignonQllft comiculatum. %
 „ *Faenum Groecum.* ‡
Trifolium indicum. X
 „ *officinale.* {
Lotus jacobæus. †
 „ *cyathiferus.*

LEGUMINOUS. Continued.

Lotus corniculatus. X
Psoralea corylifolia. X
 „ *speciosa.* %
Indigofera linifolia. X *
 „ *ornata.* X
 „ *Brunoniana.*
 „ *polygonata.* X
 „ *argentea.* X
 „ *fragrans.* x
 „ *heterantha.* x
 „ *hirsuta.* X
 „ *viscosa.* X
 „ *tinctoria.* X
 „ *atropurpurea.* X ‡
 „ *virgata.* X t
 „ *violacea.* X X
 „ *sp.* x
Clitorea Ternatea. X X
 „ *brasiliensis.* X X
 „ *Plumieri.* x
Galactia erecta. X
Pueraria tuberosa. x X
Glycine debilis. X
 „ *involucrata.* X X
 „ *labialis.* J
 „ *pentandra.* x X
 „ *Wightii.* %
 „ *Backhousiana.*
Wisteria sinensis.
Galega pentaptera. X
 „ *villosa.* X
Tephrosia coccinea. X
 „ *urophylla.* J
 „ *tinctoria.* X
 „ *amoena.* X
 „ *purpurea.* t
Amorpha fruticosa. J
 „ *herbacea.*
Robinia suberosa. J
 „ *Candida.* x X
 „ *tinctoria.* J
 „ *racemosa.* X X
 „ *fruticosa.* X t
 „ *macrophylla.* X t
 „ *pulchella.* X

LEGUMINOSJE. Continued.

Aobinia paniculata. X
 „ Pseudacacia. X
 sp.
 Agati grandiflora.
 Ormocarum sennoides. X
 -3Sschynomene Sesban. X
 99 cannabina. X
 99 procumbens. J
 99 uliginosa. X
 99 aspera. X
 99 scabra. X
 - „ paludosa. X
 „ spinosa.
 Smithia sensitive X
 Lourea Yespertilionis. X
 Uraria retrofracta. X
 „ **cordata**, x t
 99 campanulata. X X
 „ floribunda. %
 „ hamosa. X
 99 crinita. X
 Desmodium purpureum. X
 „ paniculatum. X X
 99 gyroides. X X
 „ ancistrocarpum. x
 Dicerma pulchellum. x t
 Psendarthria viscida. x X
 Hedysarum AlhajL X
 99 virginale. X
 99 **barbatum**. \$
 99 **amocrum**. t
 99 triquetrous J
 99 alatum. x X
 99 gangeticum. X
 99 latifolium. X X
 99 gyrans.x t
 99 movens. X
 » bisputorianum. X
 „ diphyUum. X
 j9 triflorum. X
 „ reptans. X
 9» lycopodioides. X
 m **formosunL** %
 n cephalotes. X
 « **pulchoUum**. X

LEGUMINOS^E. Continued.

Hedysarum Gentium. X
 „ **guaroides**. t
 99 nutans. J
 99 pictum. X
 99 umbellatum. X
 99 lagenarium. \$
 99 pendulum. X
 Flemingia Chapar. x X
 99 nana. X X
 99 congesta. X X
 99 stricta. X
 99 semialata. X X
 „ strobilifera. X t
 Cicer Lens. |
 „ **arietinum**. X
 Vicia sativa. X
 Pisum sativum. X
 Lathyrus Aphaca. X
 „ sativus. X
 Abrus precatorius. x %
 Kennedyya monophylla.
 Phaseolus fiiscus. X
 99 alatus. X
 99 sublobatus. %
 99 calcaratus. X
 99 lunatus. X
 99 radiatus. X
 99 psoraleoides. X
 99 Max. %
 99 Mungo. X
 99 aureus.
 99 trilobus. X
 Rhynchosia minima. X
 Canavalia gladiata. x X
 „ virosa. x X
 Dolichos speciosus. X
 „ rotundifolius. X
 „ Catjang. X
 „ tetragonolobua. f
 99 lignosus 7 var. J
 99 incanus. X
 99 gangeticus. X
 99 glutinosus. X
 99 brachystachys. J
 99 **moUidsimus**. %

~~LEGUMINOSAE~~ Continued.

Dolichos scarab&oides. X
 „ ferreoloides. J
 „ vexillatus. J
 Mhcuna pruriens. \$
 „ utilis. |
 Carpopogon niveus. X
 „ giganteus. X
 „ bracteatus. %
 „ anguinus. X
 Cylista scariosa. X t
 Eiythrina indica. x X
 „ stricta. X
 „ ovalifoli*. x X
 „ suberosa. %
 „ arborescens. X X
 „ herbacea. X X
 „ glauca. x X
 „ ca&a. xt
 „ p
 Bntea parviflora. x X
 „ superba. X t
 „ frondosa. X t
 „ 99 tetraptera* X
 Pongamia glabva. X X
 „ heterocarpa. †
 „ sericea. X X
 „ craBsifolia. X
 „ multijuga. X
 „ nliginosa. X
 „ ferruginea. x X
 Galedupa elliptica. x X
 „ marginata. X
 Dalbergia oojeinensk x t
 „ latifolia. X X
 „ 99 glauca. X
 „ Sissoa X t
 „ frondosa. X X
 „ paniculata. †
 „ zeylanica. |
 „ robusta. X t
 „ 99 marginata. X X
 „ scandens. X X
 „ tamarindifolia*
 „ rimosa. X t
 + tpinoBa.

LEGUMINOSJE. Continued.

Dalbergia sympathetica. X
 „ sp-
 Pterocarpus santalinus.
 „ Marsupium? x X
 „ dalbergioides. X X
 „ indicus. X X
 Arachis hypogoea. }
 Oleditschia triacantha. x X
 Gynmocladius canadensis. X
 Ghiilandina Bonduc. X X
 „ Bonduccella. %
 Caesalpinia Sappan. x X
 „ digyna. x
 „ cucullata. X X
 „ mimosoides. X
 „ sepiaria. x X
 „ paniculata. x †
 „ chinensis.
 „ tortuosa. x X
 „ Coriaria. X t
 „ punctata.
 „ sp-
 Poinciana pulcherrima. X X
 „ GilliesiL X
 „ elata, x t
 „ 99 regia. x %
 Parkinsonia aculeata. |
 Ceratonia Siliqua. X
~~Hasmatoxyllum~~ _____ †
 Hardwickia binata. X
 „ pinnata. t
 Jonesia Asoca. X X
 Colvillea racemosa.
 Amherstia nobilia.
 Tamariñdus Indica. x t
 „ oocidentalifl. X
 Cassia attenuata. X
 „ bacciUaris. X
 „ Tora-J
 „ bicapsulans. X
 „ purpurea. X
 „ occidentals. X
 „ Fistula. X X
 „ lanceolata. X
 „ Sophora. X

LEGUMINO&S. Continued.

- Cassia florida*. X X
nodosa. X t
 „ *auriculata*. X
 „ *javanica*. X X
 „ *alata*. X
 „ *marginata** X X
 „ *glauca*. X X
 „ *marylandica*. X
 „ *brasiliana*. x t
 „ *Ghaxn&crista*. X
 „ *dimidiata*. X
 „ *hirsuta*. X t
 „ *biflora*. X X
 „ *Wightiana*. X
 „ ~~*palmistipala*~~. X †
 „ *fulgens*. x X*
Schotia speciosa.
 • „ *latifolia*.
Cynometra polyandra. X X
 „ *cauliflora*. X
Outea bijnga. X X
Hymenoea Courbaril. x X
 „ *verrucosa*. X
Bauhinia Richardiana. X X
 „ *variegata*. X
emarginata X X
 „ *Candida*. X
 „ *purpurea*. X X
 „ *triandra*. X t
 „ *parviflora*. X
 „ *microphylla*. X X
 „ *porrecta*. x X
Vahlia. x X
 „ *acuminata*. \$
tomentosa. x X
 „ *anguina*. X t
 „ *corymbosa*. x
 „ *semibifida*.
 „ *malabarica*.
 „ *Lingua*, x X
 „ *brachycarpa*. x X
 „ *polycarpa*. x X
 „ *diphyUa*. x*
 „ *piperifblia*. x
 „ *aurantucea*.

LEGUMINO&B. Continiwd.

- Bauhinia madagascariensis*.
 „ *speciosa*. X X
Cercis Siliquastrum,
Castanospermum australe.
Entada madagascariensis.
 „ *Pursaetha*. X X
polystachya, X t
pudica. x X
 „ *octandra*. X X
 „ *Intsia*. X X
 „ *sensitiva*. x X
 „ *asperata*. X J
Gagnebina Richaxdiana.
Parkia Brunonis. X X
 „ *biglandulosa*. X X
Ihga Xylocarpa. X
 „ *bigemina*.. x X
 „ *UngmsCW*. x t
 „ *dulcia*. x X
 „ *latifolia*.
 „ *Harrisil*
 „ *umbrosa*. X X
 „ *umbellata** x t
 „ *ps. indeterminat*: 3
Darlingtonia brachyloba.
Desmanthus triqueter. X
 „ *natans*. J
 „ *punctatus*. %
Adenantha pavonina. X t
 „ *falcata*. X X
Prosopis spicigera. X X
Acacia mollis. X
 „ *Sirissa*. X X
 „ *speciosa*. X
 „ *odoratissima*. X X
 „ *elata*. X %
 „ *Wightii*. X
 „ *Sums*. X
 „ *amara*. {
 „ *Smithiana*. X X
 „ *Careyana*. X
 „ *stipnlata*. X X
 „ *myriophylla*. X
 „ *arabica*. X X
 „ *leucophtoa*- X X

~~Leguminosae.~~ Continnod.

Acacia tomentosa. %
 „ dumosa. X
 „ ferruginea. J
 „ Catechu. X J
 „ Sundra. X \$
 „ glauca. X \$
 „ aspera. t
 „ rugata. X t
 „ dilnta. X %
 j, pennata. X \$
 „ caesia. J
 Dichrostachys cinerea. X t
 Vachellia farnesiana. X X
 Leguminosae indetenn: S.

~~CONNARACEAE.~~

Connarus nitidns. X X
 „ igneus.
 „ sp.
 „ sp.
 Onestis monadelph. J

CHRYSOBALANEAE.

Chrysobalanus Icaca X X
 Parinarium Matoma.
 99 Trortorianum.
 Prinsepia ntilis. X

CALTCANTHEAE.

Calycanthus florida. X
 99 proecox.

SAXIFRAGEAE.

Hydrangirea mntabilis*
 Saxifraga lignlata,

CBASSULACAS.

Kalanchoe teretifolia. x X
 „ laemiata. xt
 99 tpathulata. X X

CBASSULACRS. Continued.

Kalanchoe virens. x f
 Bryophyllum calycinum. X t
 Sedum cuneatum.
 99 oxyphyllumL *

AMYRIDAE.

Amyris ptmctata. X \$
 Sabia lanceolata.
 „ limonifolia. X

AKACABDIACZUE.

Anacardium occidentale. X t
 Semecarpus Anacardium. X t
 „ humilis. X
 99 Cassinram. X
 „ cneifolia. X X
 99 acuminata. x X

Holigarna racemosa.

Mangifera indica. X X

„ acuminata-
 „ oppositifolia. X t
 99 sylvatica.

Buchanania latifolia.

99 angdstffolia.

Melanorrhoea usitata. X X

Pistacia Lentiscus.

Rhus Toxicodendron. x

99 vernix. X
 „ Buckiamela. X t
 99 juglandifolia. t
 99 lucida.
 99 parviflora,
 99 paniculate {
 99 zangibarionsis. X
 99 mysorensis.

Fhlebochiton extensus. X X

Odina Wodier. %

Schinus terebinthifolia. X

CUPULIFERAE.

Quercus ~~Aeglops.~~
 „ virens.

CUPULIFEBJS. Continued.

- Castanea indica. X
 „ tribuloides.
- SCEPACEIE.
- Lepidostachy s Roxburghii. X
- UBTICE2B.
- Urtica scabrella. X t
 „ smilacifolia. X
 „ subperforata. X
 „ alienata. X
 „ tuberosa. X X
 „ pentandra. %
 „ interrupta. X
 „ coronulata.
 „ involucrata. X
 „ tenacissima* X
 „ naucleiflora. X
 „ **hastilia**.
 „ biloba.
 „ photeinophylla.
 „ nivea. X
 „ macrostachya. x X
- Boehmeria viminea. X
- Frocris punctata.
- Cannabis sativa. X
- Antiaris toxicaria.
- Morns indica.
 „ loevigata.
 „ nigra.
 „ difaria.
 „ atropurpurea. X
 „ rubra.
 „ indica v. alba.
 h ———y. multicaulis.
 „ scandens. x
- Brouwonetia papyrifera. x X
- Ampalis madagMcazieosis. X X
- Ficus Caric*. x t
 „ pUulifera. X %

UBTICEJE. Continued.

- Ficus hirsuta. X
 „ erythrophylla.
 „ biglandulosa.
 „ virgata. X
 „ bullata. X
 „ hirta. x X
 „ scabrida.
 „ heterophylla.
 „ albinervig. x
 „ artocarpifolia.
 „ mangifolia. X
 „ auriculata.
 „ repens.
 „ elastica. X
 „ indica. x X
 „ religiosa, x X;
 „ pisifera. X †
 „ cordifolia. X %
 „ infectoria* X X
 „ excelsa. X X
 „ urophylla. X %
 „ laccifera. x %
 „ macrophylla. X
 „ nitida. X X
 „ lanceolaria. x X
 „ glomerata. x X
 „ conglomerata. X
 „ congesta. X
 „ aurantiaca*
 „ terebrata.
- „ sp.
- Dorstenia Contrayerva. x X
- Artocarpus incisa*
 „ integrifolia. X X
 „ LfRcuiha. v +
 „ Chaplasha. X t
 „ echinata. †
 „ oblonga.
 „ anguatifolia.
- Madura aurantiaca. x
 „ Calcargalli. X
- Batis spinosa.
 „ fruticosa. x X
 „ aurantiaca. X X
- Broaimum AlicastrunL x

UBTICEA.: Continued.

Galactodendron Humboldtii
Trophis aspera. X X
Urticea indeterminata s.

CERATOPHYLLACEAE.

Ceratophyllum verticillatum.

CELASTRACEAE.

Ulmus virgata.
,, integrifolia. %
Celtis orientalis. x X
,, occidentalis, x X
,, tetrandra. x t

STILAGINEAE.

Stilago Bunniana. x X
,, diandra. x t
,, lanceolata.
,, tomentosa. x X
Antidesma pubescens. X
,, rugosum.
,, paniculatum. %
,, macrophyllum. x
,, madagascariense.
Falconera Wallichiana. x X

MYRICACEAE.

Myrica sapida.
Putranjiva Roxburghii. X

JUGLANDACEAE.

Juglans regia.
,, pterocarpa.

CASUARINACEAE.

Casuarina muricata. x X
,, equisetifolia. X X

CHLOAKTHRS.

Chloranthus erectus. x
,, inconspicuus.

~~SAURURACEAE.~~

Houttuynia cordata.

PIPERACEAE.

Piper nigrum. x
,, cuneifolium. X
,, longum. x X
,, Betel t
,, Cubeba.
,, magnifolium. X
,, pereskifolium.
,, Chaba. X X

SALICACEAE.

Salix babylonica. X
,, tetrasperma. x

MOXIMIACEAE

Mithridatea quadrifida.

SANTALACEAE.

Santalum album X

ELAEAGNACEAE.

Elaeagnus dulcis. X X
,, triflorus. %
,, confertus. x X
,, ferruginus. X t

THEACEAE.

Daphne viridiflora. X X
Linostoma decandrum. X
Jenkinsia assamica.

HERNANDIACEAE.

Hernandia ovigera. x X
Incarpus edulis. X

AQUILABIXEIE.

Aquilaria Agallochum. x

PBOTEACEJE.

Grevillea robusta.

LAUBINEJE.

Cinnamomum caudatum. X X

99 iners.

99 pauciflorum.

99 dulce. x

99 glanduliferum. X X

99 albiflorum. X

99 zeylanicuim. X X

Camphora officinalis. X

Persea gratissima. X

Beilschinidtia Roxburghiana. X t

Cryptocarya floribunda. x X

Laurus nitida. X \$

,, no bilis.

,, Parthenoxylon.

,, cupularis.

Tetradenia foliosa.

,, umbrosa. X

Tetranthera nitida. X

,, angustifolia. J

99 Roxburghii. x t

99 bifaria. X X

99 monopetala. X

99 quadriflora. X

99 macrophylla. X

99 ghiuca. X

Litssea chinensis. \$

Ocotea glaucescons. X

,, lanceolaria.

,, mollis.

Cassytha filiformis. %

iLLIGEREiK.

Qyrocarpus JacquinL x %

NEPENTHES.

Nepenthes distillatoria.

AEISTOLOCHI^E.

Aristolochia saccata.

,, indica,

95 anguicida. X

99 foetens.

99 brasiliensis.

99 Clematitis.

99 trilobata.

99 hyperborea.

99 semperirens.

AjktASANTHACEiE.

Amaranthus viridis. J

59 lividus. X

99 oleraceus. X

gangeticus. X

lanceaefolius. X

atropurpureus. X

95 melancholipus. X

55 fasciatus. X

55 tenuifolius. X

55 spinosus. X

55 caudatus. J

Celosia argentea. X

99 cristata. X

99 cernua. X

Achyranthes aspra. X

59 lappacea. X

95 alternifolia, J

99 ferruginea. X

59 lanata. X

59 triandra. X

DesmochoDta velutina. X

Deeringia staminea,

,, celosioides. x X'

CHENOFODEiE.

Spinacia tetrandra. X

Beta benghalensis. X

CHENOPODEJE. • Continued.

Atriplex hortensis. X
 Chenopodium album. X
 „ ambrosioides. X
 Basella rubra.
 „ alba. X
 „ cordifolia. X
 Boussingaultia baselloides. X

TETBAGOXIACEJE.

Tetragonia extensa. X
 Sesuvium repens.

PHYTOLACCE/E.

Phytolacca acinosa.
 „ Rivina kevis. X X

POLYGOHEJE.

Rumex acutus. X
 „ vesicarius. X
 „ uncinatus. X
 Cocoloba uvifera. X
 „ excoriata. X
 „ pubescens.
 „ macrophylla.
 „ punctata,
 Ceratogonum atriplicifolium. X
 Polygonum adenotrichum.
 „ nitans.
 „ microcephalum. x
 „ Fagopyrum. X
 „ lanatum. X
 „ repens. X
 „ paludosum. X
 „ tomentosum. %
 „ glabrum. X
 „ tenellum. X
 „ aviculare. X
 „ flaccidum. X
 „ pilosum. X

NYCTAGINEE.

Mirabilis Jalapa. x X
 Pisonia aculeata.

NYCTAGINE^ . Continued.

Pisonia villosa. X
 „ grandis.
 „ inermis.
 Boerhaavia repanda. X
 „ procumbens. J
 „ diffusa. X

MENISPERMEJE.

Menispermum tomentosum. x
 „ liirsutum.
 „ canadense.
 „ polycarpon. X
 „ laurifolium. X
 „ villosum.
 „ Cocculus. X X
 Cocculus cordifolius. x ±
 „ palmatus. f
 „ verrucosus. x X
 „ suberosus. X
 „ triander. i
 „ calophyllus. x X
 Tiliacora racemosa. †
 Clypea Burmanni.
 Cissampelos hexandra.
 „ convolvulacea.
 „ glabra. J
 „ hernandifolia. yc 1/4
 „ mauritiana.

LABIHZABALEJE.

Stauntonia latifolia.

BBEXIACI;*.

Brexia madagascariensis. X X

EBICINILE.

Andromeda piperifolia. X

VACCINIE^.

Thibaudia setigera.
 „ variegata.
 Gaylussacia salicifolia, .

SAFOTEJE. Continued.

ESCRIBE*.

Epacris sp.

PKIMULACEJE.

Anagallis arvensis. X

MYRSIXEJE.

Myrsine bifaria. x

,, semiserrata.

,, capitellata. X X

iEgiceras fragrans.

Ardisia uvigera.

,, paniculata. X X

,, umbellata. X X

,, humilis. X X

,, neriifolia. ±

,, colorata. X X

,, citrifolia. X

,, pedunculata. X X

,, floribunda. 1

,, hymenandra.

,, solanacea. X

Embelia robusta. x

,, nutans. x

,, villosa.

Choripetalum aurantiacum. x

,, Reevesianuin. x

Msesa indica.

,, macrophylla. X

,, ramentacea.

,, nemoralis. X

,, Missionis.

Jacquinia ruscifolia.

Theophrasta latifolium.

SAPOTEJE.

Achras Sapota, x X

,, Mimusops. X

" ,, sesailiflora.

99 B.P.

Imbricaria borbonica. X

Mimusops hexandra. x X

,, ElengL x t

,, Kaki. x t

,, angustifolia.

99 sp.

Bassia latifolia. X X

,, longifolia. X X

,, butyracea. x

Bumelia Sideroxylon.

Chrysophyllum acuminatum. X

,, oblongum.

,, macrophyllum. %

,, Cainito var. X

Sideroxylon inerme. x

,, regium.

EBENACEAE.

Diospyros vaccinioides. X

,, nigricans. X X

,, Kaki. t

,, Ebenum.

,, melanoxylon.

,, tomentosa.

,, glutinosa. X %

,, Sapota. x t

9i racemosa.

9y montana.

,, stricta. X %

,, CUoroxyton.

,, grandifolia.

,, lanceoefolia. X

,, cordifolia. X X

,, calycina.

,, ramiflora.

,, grata.

Maba buxifolia. X %

Mabola discolor. x X

Royena pubescens.

AQUIFOLIACE.*:.

Cassine barbata. ±

99 exclsn. %

Siphonodon celustrineus.

CONVOLVULACHB.

CONVOLVUXACRE. Continued.

Cuscuta reflexa. %
 „ *capitata.* \$
Rivea tiliifolia. %
 „ *Bonanox.* X
 „ *ornata.* x X
Argyrea floribunda. \$
 „ *setosa.* X X
 „ *splendens.* %
 „ *festiva.* x \$
 99 *aggregata.* + f
 „ *speciosa.* %
 „ *argentea.* J
 „ *capitata.* X t
 99 *cuneata.* x t
 99 *Wallichii.* x X
Quamoclit vulgaris. X
 „ *phoenicea.* X
 „ *coccinea.* X
Batatas paniculata. X
 „ *cissoides.* X
 „ *edulis.* t
 „ *stipulacea.* %
 „ *albo-hirsuta.*
Pharbitis putpurea. X
 „ *Nim.* \$
 „ *hispida.* \$
Calonyction speciosum. X
 „
 „ *Pes Caprse.* X
Ipomoea polyanthes. X t
 „ *dasyperma.* x t
 „ *staphylina.* %
 „ *cymosa.* X X
 „ *dentata.* X
 „ *scsilifolia.* X
 „ *tridentata.* %
 „ *Turpethum.* J
 99 *yitifblia.* x X
 „ *sinnata.* X
 „ *reptans.* \$
 99 *lactea.* x t
 99 *Wightii.* X
 99 *scdifolia.* X X
 „ *macrorrhiza.* X X
 „ *salicifolia.* X

Ipomoea sepiaria. X
 „ *coerulea.* J
 „ *Pes Tigridis.* J
 99 *pileata.* % •
 „ *chryseidis.* X
 „ *bifida.* J
 „ *Boottii.* X
 „ *pendula.* x t
 99 *rubens.* X X
 „ *straminea.* %
 „ *tuberosa.* x
 „ *obscura.* x
Jacquemontia hastigera. t
Convolvulus fastigiatus. X
 „ *discolor.* X
 „ *umbellatus.* X
 „ *heptophyllus.* %
 „ *major.* J
 „ *viscidus.* X
Aniseia Rlieedei. X
Parana volubilig. x X
 „ *paniculata.* X X
Breweria RoxburghiL. X X
E volvulus alsinoides. X

POLEMOXIACEJS.

Caldasia heterophylla. x

HYDROLEACE^.

Nama zeylanica. X

LOBELIACEA

Lobelia radicans. X X
 „ *triangulata.* X
 „ *Careyana.* X

SpnENOCLEACEA

Sphenoclea zeylanica. X

SC^EVOL^E.

Sc^vula *Taccada.* X t

	RUBI	ACE	A.	RUBI	ACEJ2.—Continued.
Nauclea Cadamba.	X	X			
„ microcephala.					
99 macrophylla-	X				
„ undulata.	X	X			
„ parvifolia.	X	X			
„ cordifolia.	X				
Uncaria sessilifructus.	X				
Hymenodictyon excelsum.					
„ thyriflorum.	X				
Manettia cordifolia.	X				
Mussenda frondosa.	X	X			
„ macrophylla.	x	X			
„ corymbosa.	x	X			
Oxyanthus hirsutus.					
Stylocoryne WeberL	x				
Gardenia florida.	X	X			
„ carinata.					
„ coronaria.	X				
99 latifolia.	x	X			
„ arborea.					
„ lucida.	X	X			
„ ThunbergiL					
99 Rothmann?A*					
„ turgida.					
„ uliginosa.	X	t			
„ dumetorum.	X	X			
„ nutans.					
„ longispina.	%				
„ spinosa.	X				
„ Randii.	J				
„ floribunda.					
„ densa.					
„ stricta.	x				
„ mexicana.					
„ puberula.					
„ odorata.					
„ attenuata.					
„ coriacea.					
Randia cuneata.	X	X			
„ acuminata	X	X			
„ Candolleana.					
„ decussata	X	t			
Griffithia fragrans.					
Petunga racemosa.	x	X			
„ stricta.	X				
Fernelia buxifolia.					
Webera odorata.	x				
„ attenuata.	X				
„ coriacea.					
„ speciosa.	X				
Rondeletia tinctoria.	X				
„ paniculata.					
„ odorata.					
Sipania sp.					
Dentella repens.	J				
Oldenlandia alata.	X				
„ crystallina.					
„ biflora.	X				
„ triflora.					
Orthostemma roseum.	X				
Hamelia patens,	t				
„ ventricosa.					
„ chrysantha.					
Morinda tinctoria.	X				
„ bracteata.	X	X			
„ exserta.	X				
„ angustifolia.					
„ citrifolia.					
„ vagans.					
Vangueria spinosa.	X				
„ macrophylla.	X				
„ edulis.	X				
Guettarda speciosa.					
Spermadictyon azureuih.	X	X			
„ suaveolens.	x	X			
Leptodermis lanceolata.					
Myonima obovata.	X	X			
„ multiflora.	X				
Lecontea Bojerana.					
Poëderia foetida.	x	J			
Canthium parviflorom.	X	X			
„ recurvum.	x	X			
„ longifolium.					
„ angustifolium.	X				
„ floribunduin.	X	X			
Chiococca raceinosa.	x				
Baconia sp.					
Ixora coccinea.	x	t			
„ Bandliuca.	X	t			
„ lanceolaria.	x	X			

RUBIACEÆ. Continued*

Ixora stricta. X
 „ *longiflora.* X
 „ *alba.*
 „ *cuneifolia.* X X
 „ *brachiata.* X X
 „ *parviflora.* X X
 „ *virgata.*
 „ *undulata.* X X
 „ *villosa.* X
 „ *acuminate,* X X
 „ *opaca.*
 „ *sessilis.*
 „ *rosea.* x
 „ *baxbata.* X
 „ *incarnata.*
Pavetta indica. X X
 „ *tomentosa.* X X
Coffea arabica. X X
 „ *benghalensis.* x X
 „ *tetrandra.* X X
Psychotria undata. X X
 „ *bicornis.* X
 „ *stipulacea.*
 „ *Reevesi*L x X
 „ *obtusifolia.* X X
Chazalia borbonica.
Spermacoce teres. X
 „ *laevia.* †
 „ *tenuior.* X
 „ *scabra.* X
 „ *hispidia.* X
Knoxia verticillata.
Serissa foetida. X
Rubiacea indetenn. X

CAPRIFOLIACEÆ.

Lonicera chinflnsis. X
 „ *confusa.* X
 „ *Leschenaulti*L x
Sambucus rubra.
Viburnum polycarpum.
 „ *punctatum.* X
 „ *adenophyllum.* x
 „ *acuminatum.*

COMPOSITE.

Sonchus orixensis. X
Prenanthes acaulis.
 „ *linifolia.*
 „ *procumbens.*
Cichorium Intybus. X
Scolymus sp. X
*Hieracium Wallichii*L
Carthamus tinctorius. }
Carduus lanatus. X
 „ *elongatus.* X
Serratula carthamoides. X
 „ *coccinea.* X X
Cacalia cylindracea. x X
 „ *purpurascens.* X X
 „ *sonchifolia.* X
 „ *hieracioides.* X X
 „ *camosa.* x t
Centaurea bracteata. X
 „ *pratensis.* X
 „ *nigricans.* X
 „ *splendens.* X
Gynura nepalensis. x X
 „ *bicolor.* x X
Notonia grandiflora. x
Vernonia bracteolata. X
 „ *anthelminthica.* X
 „ *vagans.* x X
 „ *bracteata.* X
Eupatorium Ayer Punna. X
 „ *divergens,* x X
 „ *asperum.* x X
 „ *repandum.*
Decaneurum grande. x X
Pectis humifusa. X
Elephantopus scaber. X
Lagascea mollis. X
Ageratum cordifolium. X
 „ *conyzoides v. mexicana.* X
 „ *dumosum.* x X
Aster mutabilis. X
 „ *venosus.* X
 „ *oestivus.* X
 „ *annuus.* %
 „ ^{sP.}
Psiadia dentata.

COMPOSITE. Continued.

Senecio undulatus.
Erigeron asteroides.
Amphirapis intermedia, t
Microglossa sessiliflora. x t
Spilanthus annuus. %
 „ *oleraceus. X*
Bidens Wallichii L X
Artemisia vulgaris. X
 „ *lactiflora. X*
 „ *grata. %*
 „ *indica. }*
 „ *parviflora. %*
 „ **sp.**
Chroostephium artemisioides.
Gnaphalium strictum. X
 depressum. X
 „ *alboluteum, %*
 indicum. %
Conyza corymbosa. x X
 „ *balsamifera. %*
 „ ~~*laciniata. †*~~
 „ *lacera. X*
 „ *stricta. J*
 „ *chinensis. t*
 „ *Sitta? X*
Tagetes erecta. t
 „ *patula. X*
Zinnia pauciflora. %
 „ *multiflora. X*
 „ *elegans. X*
Cosmia sulphurea, X
 „ *parviflora. t*
Chrysanthemum indicum. x X
 „ *chinense. x t*
Pyrethrum firutescens. X
Eclipta prostrata. t
Verbesina calendulacea. X
 „ *sativa. t*
Synedrella nodiflora. X
Helianthus annuus. X
 „ *inberabus. x t*
 „ **ti**
Rudbeckia triloba.

COMPOSITE. Continued.

Coreopsis tinctoria. \$
 „ *coronata. \$*
Balbisia elongata. X
Calendula officinalis. X
Parthenium Hysterophorus. X
Sphoeranthus mollis. J
 „ *indicus. J*
Hingtscha repens.
Solidago canadensis.
Dahlia variabilis. x
Achillea nobilis. x
 „ *macrophylla.*
Xanthium indicum. X

DIPSACEJG.

Dipsacus mitis.

PLANTAQINSJS.

Plantago major. X
 „ ***attenuata.***
 „ *asiatica. X*
 „ *Ispaghula. X*

PLUMBAGINEJE.

Plumbago zeylanica. x
 „ *rosea. x*
 „ *capensis.*

COKDIACEJS.

Cordia Myxa. x X
 „ *Myxa v. Benthamensis.*
 „ *tectouefolio. X*
 „ *latifolia. X*
 „ *Gerascanthus.*
 „ *polygama. x*
 „ *reticulata. x t*
 „ *Subcstena,*
 „ *serrata. X*
 „ *grandis. x X*
Erycibe paniculata. x

EHRETIAEJE.

- Ehretia aspera.
 „ laevis. X X
 „ buxifolia. x X
 „ serrata. x
 99 graveolens. •
 Heliotropium peruvianum. x X
 „ curassavicum. X
 9, indicum. X
 „ parviflorum. X

BORAGINEAE.

- Coldenia procumbens. X
 Echium violaceum. X
 Lycopsis arvensis.
 Trichodesma indicum. X
 „ zeylanicum. J
 Anchusa italica.
 Cynoglossum Falconerianum.

LABIATJE.

- Ocimum villosum. X
 99 sanctum.
 99 polystachyum. X
 99 caryophyllatum. X
 99 Basilicon. \$
 „ gratissimum. J
 „ cristatum. f
 „ thrysiflorum. X
 „ micranthum. x \$
 Geniosporum strobiliferum. J
 Orthosiphon incurvus. x X
 „ stamineus. x J
 Saccostoma urticifolium. }
 Hectranthus cordifolius. \$
 99 punctatus. xt
 99 rogosus. X
 99 parviflorus. x X
 Coleus scutellarioides. x X
 99 aromaticus. x X
 Hyptis suaveolens. J
 99 radiata. x X
 99 corylifolia. J
 Lavandula Spica. X

LABIATE.—Continued.

- Fogostemon plectranthoides. X t
 Dysophylla verticillata. X
 Colebrookia ternifolia.
 „ oppositifolia. X
 Mentha verticillata.
 „ arvensis. X
 „ fruticosa.
 u crispata.
 „ laevigata.
 „ piperita-
 „ quadrifolia.
 99 perilloides.
 „ auricularia.
 „ viridis. x
 Meriandra benghalensis. X
 Salvia coccinea. x X
 „ cana. J
 „ splendens. x X
 Rosmarinus officinalis.
 Monarda fistulosa. X
 Origanum Marjorana.
 Thymus vulgaris.
 „ Nepeta.
 Hyssopus officinalis.
 Melissa officinalis. X
 „ reptans. x
 Scutellaria discolor. X
 „ camca. x
 Nepeta ciliaris.
 Leonurus tartaricus. X
 Anisomeles disticha. X
 „ ovata. X
 „ malabarica. X
 Stachys sericea. X
 „ lanata. X
 Bctonica incana. X
 Roylea elegans. J
 Lucas stelligera. J
 99 polycephala. X
 „ linifolia |
 Gerardiana.
 99 strobilifera. X
 Leonotis nepetifolia.
 zeylanica. X
 „ cephalotes.

LABIATJE. Continued.

Leonotisbiflora.
 „ esculenta. J
 „ pilosa.
 Holmskioldia sanguinea. X
 Colquhounia coccinea. X
 Gomphostemma parviflorum.
 „ melissifolium. X
 Ajuga inollissima.
 „ bracteosa.
 Cymaxia elongata. x X
 Labiata Pucha Pat. X

VERBENACELS.

Clerodendrum hastatum. X X
 „ inerme. X
 „ fragrans.
 „ pblomoides. X X
 „ ..
 „ nutans. X X
 „ trichotomunL J
 „ roseum. X
 „ vestitum. X
 „ infbrtunatum. †
 „ Kempii. X
 „ strictum. X
 „ ardisifblium. x X
 „ dentatum. %
 „ serratum. x X
 „ herbaceum- X
 „ neriifolium. x X
 „ odoratum. x X
 „ aculeatum. x X
 99 glanduliferum. X †
 99 squamatum. x X
 Sipbonanthus indicus. X
 Callicarpa incana. x X
 99 purpurea. X X
 99 cana. J
 „ villoea. X
 „ arborea. X
 „ Heevenl x J

VERBENACEIE. Continued.

Callicarpa lanceolaria. X X
 „ acuminata. X X
 Premna procumbens. X
 „ scandens. X X
 „ esculenta. X
 „ grandifolia. x X
 „ laevis. x
 „ serratifolia. X
 „ integrifolia. x X
 „ cordifolia. X
 „ spinosa. X t
 „ herbacea. †
 Hymeiopyramis brachiata.
 Vitex trifoliata. x X "
 „ Negundo. x X
 „ alata. x X
 „ incisa. x X
 „ arborea. X
 „ Leucoxydon. x X
 „ saligna. x X
 „ heterophylla. x X
 „ Agnus castus.
 Congea pentandra. x X
 „ aaurea. x
 Sympliciorema involucratum. x
 Ginelina asiatica. x t
 „ villosa. X
 „ arborea. x t
 „ parvifolia. X
 Tectona grandis. x X
 „ Hamiltoniana. x X
 Duranta PlumierL x X
 99 EUisiL x X
 Streptium asperum. X
 Verbena Aubletia.
 „ nodiflora. {
 „ jiunaicensis. J
 99 bonariensis. %
 Stachytarpheta mutubili[^] x
 „ ombica. x {
 Lantana Selloviana. x
 „ trifoliativ x
 „ Cutnura. x
 99 niven v. mutabilis. x

VERBENACEÆ. Continued.

Lantana canescens.
 „ aculeata. X X

MYOPOMXEJE.

Myoporum debila x X
 „ congestum. X X

PEDALINEJE.

Martynia diandra. X
 Sesamum indicum. \$
 „ murale, X

BIGNONIACEÆ.

Bignonia stipulate. X X
 „ adenophylla. X X
 „ undulata.
 „ aequinoctialis. x
 „ suaveolens. x t
 49 crispav x
 n quadrilocularis.
 amoena. x X
 „ longifolia.
 „ ~~phlomisoides~~
 xylocarpa. x X
 „ indica. x |
 pubescens. x
 „ suberosa. x t
 „ venusta. x
 „ viridiflora.
 „ glutinosa.
 „ multijuga. x X
 „ cchinata.
 „ califlora.
 „ crucifera.
 „ gracilis. x
 „ pinnatifolia.
 „ incarnata.
 „ venusta.
 „ Cherere?
 „ Chambolla?

BIGNONIACEÆ. Continued.

Bignonia Chelonoides. ‡
 „ cauliflora.

sp.
 „ sp.

Spathodea serrulata. x X

„ Rheedei. x X

,9 uncinata. x

Tecomajasmnoides. x

99 grandiflora.

,9 radicans. x

,9 capensis. x

Catalpa syringaefolia.

Crescentia Cujete. x X
 alata.

GESNERIACEÆ.

Gloxinia speciosa.

9, spec 3. indetermin.

Loxonia alata.

iEschynanthus RoxburgiiL

ACANTHACEÆ.

Thunbergia angulata. x

,9 alata. x X

99 fragrang. x X

„ grandiflora. x X

„ coccinea. x X

,9, Hawtayneana. J

Nelsonia lamiifolia. x X

Hygrophila obovata.

~~Hamadelpnia nolvserma~~ †

Dipteracanthus ciliatus. X t

99 sufruticosus. %

Petalidium bignoniaceum. x X

Ruellia suffruticosa. X

linifolia, x X

„ maculata. x

imbricata.

longifolia. %

„ ringens. %

triflora. J

„ hirta.

Strobilanthes scabra. x X

„ auriculata. x X

„ callosa. x X

ACANTHACEJE. Continued.

- Strobilanthes Sabiniana.** x
 „ **elegans,**
 „ **kevigata.**
Goldfussia anisophylla. X
 „ **glomerata.**
 „ **isophylla.** x
 „ **lamiifolia.** X
Asystasia coromandeliana. X %
Barleria polytricha. J
 „ **Prionites.** x t
 „ **hirsuta.** X X
 buxifolia. X
 „ **cristata.** x X
 dichotoma. x X
 caerulea, x X
 „ **ciliata.** x X
Lepidagathis hyalina. x X
Blepharis boerhaaviaefolia. x X
Acanthus madraspatensis. %
 „ **ilicifolia.** X
Crossandra infandibuliformis. x X
Phlogacanthus thyrsiflorus. X %
 „ **asperulus.** x
 „ **curviflorus.**
 „ **guttatus.** X
Graptophyllum hortense. X X
Adhatoda corynostachya. %
 „ **Vasica.** X
 „ **Betonica.** x X
 „ **ramosissima.** x X
Gendarussa ventricosa. x X
 „ **decussata.** X %
 „ **Adhatoda.** %
 „ **Neesiana.** X
 „ **quadrifaria.**
 „ **vulgaris.**
 „ **furcata.** x
 „ **bifaria.** x
Eranthemum pulchellum. X
 „ **crenulatum.** X
 „ **palatiferum.** x X
 „ **azureum.** X
 „ **strictum.** x X
Justicia Ecbolium. x X
 „ **micrantha.** X ±

ACANTHACE^E. Continued.

- Justicia repens.** X
 „ **procumbens.** X
 „ **pectinata.**
 „ **calycotricha.** X
 „ **peruviansi.**
 „ **bilineata.**
 „ **chinensis.** X
 „ **guttata.**
 „ **ventricosa.**
Rhinacanthus communis. X X
Peristrophe lanceolaria. X X
 „ **speciosa.** x t
 tinctoria. X X
Hypoestes purpurea. X X
Rhaphidospora glabra. X
Andrographis echioides. X
 „ **paniculata.** X X

LEKTIBULABIJE.

- Utricularia stellaria.** X
 „ **fasciculata.** %
 „ **biflora.** X

OROBANCHEJE.

- Orobanchc pedunculata.**
 „ **indica.** X

SCROPHULARINEuE.

- Verbascum Tliapsus.** J
Celsia coromandeliana. X
Angelonia salicarifolia.
Linaria purpurea. X
 „ **ramosissima.** X
Antirrhinum majus. p
 „ **rubrum.**
 „ **triflorum.**
Maurandya antirrhinifolia. X
 „ **Harclyana.** X
Lophosjx^num erul>esceiis. x
Browallia vlata. \$
Fnmciscea uiij|lora.
lirunsfelsia undulata. X

SCRÖPHULARINEJE. Continued.

Brunfelsia montana. J
 „ americana.
 Pentstemon angustifolium. X
 „ campanulatum. X
Russellia juncea. X
 „ floribunda. x
 Stemodia polyantha. X
 Limnophila orbiculata. X
 „ globosa. \$
 „ cruciata. J
 Mimulus scandens.
 Gratiola grandiflora. t
 „ integrifolia. X
 „ lucida. %
 „ veronicaefolia. X
 „ juncea. X
 „ Monniera. X
 „ reptans. X
 „ serrata. X
 • „ parviflora. J
 „ hyssopioides. J
 „ racemosa. X
 Bonnaya reptans. X
 Limosella diandra. X
 Buddleia Neemda. X
 „ paniculata. X
 „ madagascariensis.
 „ diversifolia. x X
 Veronica incana.
 Scoparia dulcis. X
 Grerardia delphinifolia.
 Bartsia coccinea.

SOLANEJE.

Capsicum grossum. X
 „ frutescens. X
 „ baccatum. %
 „ purpureum. x X
 „ **minimum.**
 Solanum coriaceum. X X
 » BalbisiL
 »t pubescens. X
 „ spirale..x X
 9» tuberosum. X
 » Lycoperuçon. X

SOLANEA:. Continued.

Solanum rubrum. X
 „ nigrum. f -
 „ Pseudocapsicum. J
 „ obtusifolium.
 „ Melongena. X
 „ longum. X
 „ JacquinL X
 „ hirsutum. }
 „ indicum. X
 „ pentapetaloides. x X
 „ sp.
 „ sp.
 Physalis flexuosa. X
 „ peruviana. X
 „ minima. X
 Solandra grandiflora. X
 „ viridiflora.
 Datura Stramonium. X
 „ fastuosa. x X
 „ MeteL X
 Brugmansia suaveolens. X
 „ quadrivalvis. X
 Nicotiana ongustifolia. %
 „ Tabacum.
 „ glauca.
 Hyoscyamus niger. X
 Nicandra physaloides. J
 Oestrum foetidissimum. †

GENTIANEE.

Pladera decussata. X
 Exacum tetragonum.
 Villarsia cristata. X
 „ indica. X

SPIOELIACE.C

Splgelia marilandica.

APOCTXEA

Echites frutescens. X
 „ caryophyllata. X X
 „ paniculata. X X
 „ macrophylla. X X

APOCYNEÆ. Continued,

Echites cymosa.
 „ lisianthiflora.
 „ acuminata. X X
 Pentalinum suberectum. X X
 Ichnocarpus frutescens. X X
 „ fragrans. x
 Holarrhena mollissima. \$
 „ antidysenterica. X X
 Beaumontia grandiflora. X X
 Vallaris dichotoma. x X
 Parsonsia spiralis. X X
 Nerium coccineum. X X
 „ piscidium. J
 „ odorum. X t
 Strophanthus caudatus. X X
 „ dichotomus. %
 Wrightia tinctoria. X
 Alstonia scholaris. X X
 „ venenata.
 „ macrophylla. x t
 „ neriifolia. X
 Yinca rosea. X
 „ major. X
 „ alba.
 Tabernsemontana coronaria. X X
 „ recurva. X %
 „ crispa. X *
 „ dichotoma. X
 Cameraria oppositifolia.
 Plumieria alba. X X
 „ acuminata. x
 Allamanda cathartica. X %
 Carissa Carandas. X X
 „ ovata. X
 „ chinensis. x X
 „ villosa. X t
 „ diffusa. X
 „ indoina ? %
 Melodinus monogynus. x X
 Strychnos Nux vomica. x X
 „ Potatorum. X X
 „ colubrina.
 „ spinosa.
 Gerbera Odollanu x t

APOCYNEJÆ. Continued.

Cerbora parviflora. x
 „ Tanghin.
 „ fruticosa. x
 „ Thevetia. x t
 „ Manghas. X X
 Rauwolfia canescens. X t
 Ochrosia borbonica.
 Hunteria corymbosa. x X
 Alyxia stellata. X
 Ophioxylon majus.
 „ serpentinum. X_m †
 Willughbeia edulis. x
 Alafia ThouarsiL
 Apocynea indetermin. 1.

AsCLEPIADEIÆ.

Ceropogia elegans. X
 „ ovata. X
 „ lucida. X X
 „ Lushii. x X
 „ Stephanotis. x X
 „ VicaryL !f
 Stap[^]lia variegata. x
 „ Asterias. X
 „ micusta.
 „ revoluta. X
 Caralluma fimbriata. x X
 „ crenulata. X
 „ adscendens. X
 Boucerosia umbellata. X
 Hoya Jenkinsii.
 „ PotsiL X
 „ carnosa.
 „ parasitica.
 „ viridiflora. x X
 „ mollis.
 Tylophora asthunatica. J
 „ tenuissima.
 Marsdenia tenacissima. X t
 „ Greenevi. x
 „ tinctoria. X
 Pergularia odoratissrfma. %
 „ minor. †
 Dischidia benghalensi*

DICOTYLEDONES.

ftl

ASCLEPIADEA, Continued.

Dischidia Rafflesiana.
 Gymnema parvifolium. %
 99 acuminatum. J
 99 napalense. X
 99 pubigerum. \$
 Sarcolobus globosus. X
 ,, carinatus. X
 Asclepias tunicata. X
 99 paniculata. %
 ,, tenacissima. J
 ,, Curassavica. \$
 ,, pseudogratiissima. †
Calotropis gigantea. †
 ,, procera. J
 Sarcostemma manritianum.
 Holostemma Rheedel
 Dsemia extensa, %
 Toxocarpus laurifolius.
 Streptocaulon Wallichil
 Hcmidesmus indicus. X
 • Periploca graeca,
 Cryptostegia grandiflora. X
 ,, madagascariensis.
 Cryptolepis elegans. %
 ,, reticulata. X
Myriopteron paniculatum. †

POTALIACEA:.

Fagraea obovata. X
 Gardnera obovata.

OLEINJE.

Oleadioica. X
 9i myrtifolia. x
 99 capensis. X
 99 verrucosa.
 99 enropsea. X
 99 fragrans.
 99 glandulifera.
 99 attenuata<
 99 grata. X
 99 acuminata>
 99 clirysohyUa.

OLEINA. Continued.

Phillyrea robusta. X t
 ,, paniculata. x X
 Chionanthus macrophyllus. {
 99 dichotoinus,
 99 zeylanicus.
 Ligustrum nepalense.
 ,, japonicum. X
 Noronhia emarginata. X X
 Chondrospermum dentatum. x
 ,, smilacifolium. X X
 Fraxinus chinensis. X X
 ,, floribunda. X

JASMINXJL

Jasminum Sambac x t
 99 scandens.
 99 pubescens. X
 99 bracteatum. x {
 99 bifarium. X
 99 latifolium. x t
 99 aristatum. x
 99 arborescens. X
 99 angustifolium.
 99 approximatum.
 99 trinerve.
 99 simplicifolium. X
 99 laurifolium.
 99 ligustrifolium. x
 99 attenuatum.
 99 heterophyllum.
 99 auriculatum. x
 99 lanceolatum.
 99 fruticans. x
 99 chrysanthum. X
 99 grandiflorum. x
 99 dispersum. x
 99 caudatum. X
 99 syringsefolium. X
 99 calycinum. X
 99 gracile.

Nyctanthes Arbor tristis. x

GXETACEJB.

Gnetum Gnemon.
 99 scandens.

CTCADEJE.

Zamia spiralis.
 „ *horrida*.
 „ *Hilliana*.
 „ *pugioniformis*.
Cycas revoluta. xt
 „ *sphaerica*. x X
 „ *dracinalis*. x

CONIFERAE.

Pinus longifolia Ua-xt
Pinus mitis ara.
Agathis loranthifolia. \$
Araucaria excelsa.
 „ *Cunninghamii* L
Thuja orientalis. x t
 „ *pendula*. x
Cupressus stricta,
 „ *australis*.
 „ *sempervirens*.
 „ *fastigiatus*, x
 „ *5p*

CONIFER*. Continued.

Cupressus sp.
Juniperus cernua.
 » *dimorpha*. x
 « *californica*. x
 » *virginiana*.
Dacrydium datum.
Podocarpus chinensis.
 „ *macrophyllus*. X
 „ *elongatus*. x
 „ *5p*.
Taxus nucifera.
Salisburia adiantifolia.

PLANTJE INCEBTJE SEDIS.

Periplexis rigida. t
Sarcostigma Roxburghii L J
 » *limoni* Mum. t
 » *5p*.
 OMITTED FBOH NAIADES.
Spathium undulatum.
 „ *monostachyumu*

No. 5.

LIBRARY DEPARTMENT.

LIBRARY

_____ooo000ooo_____

This Catalogue having been checked by that prepared by the late Mr* Voigt, is I believe accurate^

There is one Catalogue of the Library which bears some entries in the hand writing of the Superintendent; it is without any date* It appears to have been set aside for some years; it contains a number of books not found now in the Library, among which are the Prodrumus of De Candolle, the .Muscologia Exotica of Dr. Hooker, &c. &c. &c.

No arrangement of the Books had been attempted. There is no consecutive numbering of the books; nor are any means systematically given, by which it is to be ascertained what books bonafide belong to the Library • Many bear the arms of the Hon¹-¹ Company, but many bear the name of the Superintendent ,

Regarding this I may observe that no instructions were left by the superintendent in claim of any property in this Establishment, beyond some relating to the Mats, Punkahs, &c# It may be taken for granted, therefore, that all the books in the Library belong to Government, more especially .
*ince some standard ones, such as Rheed| |« Hortus

Malabaricus, "bear the private signature of the Superintendent, yet exhibit his hand writing to the effect that they are public property; many others again have been presented to the Superintendent of the Institution*

I am also sure that every Superintendent will readily see the propriety of disposing in the Public Library all presentation copies, on the broad ground that he owes such marks of private favour to the high scientific public situation he is permitted to hold*

^{IF}
This, particularly the case with Dr* Wallich, he having been permitted to distribute not merely his own collections, but all that had "been made previously to 182? on the part of the Government of India; a measure calculated to call forth a corresponding liberality on the part of Botanists in the presentation of books to the Superintendent of the Institution.

An entire account of the sums expended in forming and adding to the Library does not appear to have been kept, nor do I find a register of the dates on which each, book was deposited in the Library*

A book has now been set aside in which the mode of acquisition of new books, price if purchased, and the date*of deposit will be ^{by} registered.

Another "book has "been set aside for the registering of all books taken out of the Library by private individuals under the sanction of Government* This is necessary as I do not find that any record has hitherto been kept of the issue of books, or even of the valuable original drawings of Buchanan, &c*

A list of. all the additions should be submitted with: every annual report on the state, of the Establishment*

The Library is deficient in many of the newer and standard works--it contains for instance no copy of De Candolle's Prodrômus, a work found in every private Botanist's stock of books*

It is also to be regretted that most of the Scientific Periodical Publications are incomplete^ the Botanical Cabinet does not extend beyond 1833; that excellent Journal the Linnaea beyond 1835, the Annales des Sciences Naturelles beyond 1836* Taylor's Philosophical Magazine is extremely incomplete. The Indian journals are also deficient*

The want of some of the above will render the drawing up of a Scientific Catalogue very difficult*

The measure I would beg to propose to render the Library more complete, consists in the circulation of lists of the desiderata among Botanists, who, I am sure, will gladly contribute presentation copies of their own writings to an institution, in the collections from which most have acknowledge dly shared so largely.

Application might also be made to the Hon'ble Court for a copy of every Scientific book, which the Hon'ble Court may immediately patronise, more particularly those published by their own servants

Because no public copy of Mr* Wallich's *Plantae Asiaticae Rariores* has found its way into this Library, altho¹ the Hon'ble Court with its accustomed grandeur of patronage had subscribed, I believe, 1,200 guineas for forty copies, and the work was got up from materials exclusively Public Indian Property* Likewise there is not a complete copy of Dr% Roxburgh⁹⁰ *Coromandal plants*. The remark may be also made applicable to the *Journal of the Asiatic Society*, which is not supplied.

The Library is now arranged according to the heads, General and Local Botany; Transactions of Societies; Encyclopaedias and Dictionaries; Scientific Periodicals; Agriculture and Horticulture; Medical Botany and Medicine; Zoology; Chemistry; Biographies; Travels; and Miscellaneous; each compartment being conspicuously ticketed. The general Botanical works have again been subdivided under the heads, General, Miscellaneous, Monographs, Elementary, Structural. [^] Physiological Catalogues, and Older Authors.

To remedy the difficulties arising from the defective series of Botanical drawings, attributable to the Superintendent having taken with him to England, where they still are, all the Drawing*

executed during his Superintendence from 1817 to 1828, I solicit that an application may be made to the Hon^{ble} Court for their restoral. As the original Drawings of Dr. Roxburgh having been ordered to be deposited here, and copies supplied to the Hon^{ble} Court, the collections of Botanical Drawings can only be kept complete, by the application of the same rule to all other Superintendents. I may also mention that I do not find any of the Botanical Drawings made during Dr. Buchan Hamilton's Superintendence in the Library of this Institution, which however contains his very valuable series of original Zoological Drawings.

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DRAWINGS.

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Drawings executed during the Superintendence of
Dr. HSM«B4 PftCtoey, 9T.

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	Vlalm.	Figuws.
VoL 1.....	III.....	117
		132
3 «.~>.....	100	124
4	120	125
5	106	110
6	126	128
7	132	135
8.....		164
9.....		126
10.....		178
11.....		114
12		184
13.....	104	107
14		104
15		209
Supplement		104
1		104
2		104
3		209
4		104
5	100	177
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	236a	254\$)
		— 20 vols. foKo

Vok 1,4,5,6, 7, without L)d» XW arrangement of the vok of Supplement ,
is inverted.

Almost all *tixiUtm* are coloured, and with very few exceptions, represent
IndianPlanta. All are named in Dr. Roxburgh's handwriting, with numbers referring
tohtuMSS. descriptions. All are of uniform size and in good preservation.

Drawu^J exeottbed dar^ay the Superatendence of Dr. Wallich.

Acetylenes,	27
Manicylenes,	154
Dietylenes,	371

These were found unarranged; all are coloured; the naming is often irregular and occasionally deficient; size not uniform, and not corresponding with that of the Roxburgh Collection:

MISCELLANEOUS.

Coloured Drawings of Hurdwar and Sirinugur Plants, apparently from
 Major General Hardwicke,..... 39
 Coloured Drawings on Rice Paper, by Mrs. Captain Hannay, 7
 Coloured Drawings of Palms, by Mrs. Holmes,.....2
 Sketches of Cape Plants, by the Rev^L Mr. Malan, (exquisitely done.) 4
 Coloured Drawings of an undetermined Plant presented by M. Fisquet,
 Ōfficier de Mjtrme, 1
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 Coloured Drawing of Amherstia Nobilis,.....1
 Coloured Drawings of Assam Plants, sent by Major Jenkins. 11
 Coloured Drawings by Mr. J. Watson,.....2

ZOOLOGICAL.

Coloured Drawings of Dr. Buchanan, (afterwards Hamilton,) stated to have been deposited in the Library in 1815.

Fishes, 144
 Reptiled, 19
 Birds, 349
 Quadrupeds, 35

For many of the original copies appear to have been substituted. There are in addition 18 folio sheets containing copies of some of the drawings of Fish, executed apparently in Dr. Wallich's time. Of Birds, &c there are also similar duplicate copies 22; and of unfinished and un-named 14.

Coloured Drawings of Ceylon Insects, quarto size, indifferently executed, not named, 12.

PORTRAITS.

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MANUSCRIPTS.

Buchanan Francis (subsequently Hamilton*)

- „ A MSS. Catalogue of Dried Plants, collected and presented to the Museum of the H. E. L. Company, arranged according to the Linnean system. Is in excellent order and the arrangement complete. Is stated by Dr. Wallich to be a copy of the Original MSS. in the Library of the H. E. L. Company, ... 1 voL folio.
 Zoological MSS. marked by Dr. Wallich all deposited in the Botanic Gardens in 1815, no Index, in tolerable order, contains many descriptions, and much information regarding habits, &c. 2 foolscap.

Roxburgh William,

- „ MSS. Descriptions of Plants, numbered ~~and indexed;~~
~~imperfect, 36 arts—foolscap.~~
 „ p MSS. (Original) of ~~India~~, ed. 1832, ending with Adelia, incomplete, foolscap, 12 parts.
 „ MSS. apparently an epitome of Flora Indica, incomplete (20 first pages wanting); ends with Hices, •., foolscap 1 part
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 „ MSS. (original) of the Hortus Benghalensis, in tolerable preservation, contains two Catalogues, the first ending with Fungi, the second enlarged, with some additions by Dr. Wallich; ends with Filices..... 1 folia

Wallich Nathaniel

- „ A copy of Roxburgh's Flora Indica, edn. Carey, interleaved, folio containing remarks and notes, &c 1 voL small, 2d large folio. (bis)
 „ MSS. Book, entitled Synopsis Plantarum India Orientalis a Roxburghio, Colebrookio, et Wallichio indagatarum juxta ordines naturales digesta, .The method followed is that of DeCandolle. It has no date, and terminates abruptly at Lotos, Leguminosae, The opposite side of this book is occupied by an alphabetical index, referring to certain numbers,»..... 1 voL folio.
 „ MSS. Catalogue of the H. C. Botanic Gardens, according to the Linnean System. Without date Ceases at Polyadelphina, and appears to be otherwise incomplete, 2 vols. folia
 „ A copy of Roxburgh's Hortus Benghalensis, interleaved folio with MSS. additions by Dr. Wallich. Without date. This voL contains also a list of Orchideae..... 1 voL folio.
 Clavis Catalogi Horti Botanici Calcuttensis juxta ordinem alphabeticum familiarum naturalium, adjuncta indicatione Classium Linnæanarum. Without date. Contains

No. 6

HERBARIUM DEPARTMENT.

DRIED PLANTS.

The collections of Dried Plants consist, first, of a quantity of specimens that have flowered in the Gardens, (which have been amassing for years,) and other miscellaneous specimens* These are kept in the Seed House; a sort of arrangement of these has been carried on by the natives in charge, but the Nomenclature is exceedingly obsolete and incorrect, and uo«» not correspond with that of Buxooi Ilb Botanist would credit the existence of such a Nomenclature in a Public Scientific Establishment.

2d. An extensive set of Assam Specimens received from yajor Jenkins, Commissioner of Assam*

3d.# The collections of the Assam deputation.

4th. A set of Australian and Indian Plants collected by Captain Vicary, and presented by him to the Hon^fble Court of Directors, ^he Indian portion of this is in very bad order.

These are kept in the ground floor of the Superintendent's house, a situation from its dampness and aarkne^s by no means conducive to their proper preservation.

These I propose to submit to Government , after detaching a series for the Herbatium of this, as well as for that of the Seharunpore and Bombay Botanic Garden.

I-IER3ARIU1U

In this Department, which is second to none in importance, the institution is deficient, yet from having been the principal scene of the Botanic labours of Roxburgh, and from its containing his drawings, with which there is
reason

reason to "believe his own authenticated specimens corresponded, it is the place where the first Indian herbarium in the world might have been expected to be[#] found.

But the great quantities of specimens that had been accumulating for years from all parts of India, the plants collected by Finlayson, Wight, and Wallich, a number collected from this Garden itself, were carried home by the Superintendent, and were, (including the authentic Herbaria of Roxburgh and Buchanan,) at his suggestion, distributed by the orders of the Honourable Court among the principal Institutions and Botanists of Europe. The Institution alone received none, although I believe, after the distribution and the final donation of the completest set to the Linnean Society, an appeal^A was made to that body in its behalf; from which however no advantage has yet resulted. Independent of the inconvenience caused by this overlooking of the wants of this Institution, the spirit in which the plants were carried home seems to me opposed to the Resolutions of Government, which were the cause of the recovery of Roxburgh's Drawings and of the detention in India of Buchanan's, and the tenour of which seems to have regarded explicitly the necessity of preserving authentic means of determination in the chief Public Scientific Establishment of India.

The first consequence has been that Indian Botanists have not the full means of determining the plants of Roxburgh, Buchanan or Wallich. They are confined at the utmost to drawings, Manuscripts, or books sources liable to all the errors of the Artists or Botanists. There is ample proof that Dr. Wallich cannot be sure of one of his own plants.

The consequence to science is either a general tendency to be retarded, for no sound Indian Botanist would attempt to publish extensively in India in default of an authentic Herbarium to consult; or an useless extension to synonymy; since no one can be sure that any particular plant has not been named previously. This is in a high degree the case with Dr. Wallich's Plants; by far the greater part of which have been named without any effort having been made to define them: a circumstance which deprives them of legitimate authority*

Another consequence is the almost insuperable difficulty presented to the preparation of a Scientific Catalogue worthy to be put on a par with Roxburgh's Hortus Bengalensis. For though with Roxburgh's drawings and his descriptions, his plants may be perhaps identified - this does not apply to Wallich's plants amounting perhaps to 3000. To identify these, at present, one must have recourse to the Linnean Society's Rooms in Soho Square.

In a practical point of view an authentic Herbarium is equally necessary. Thus supposing the Assam Tea Plant (and this appears by no means destitute of foundation,) should turn out to be a different species from the Chinese Plant, or from either the Chinese Green or Chinese Black Teas, supposing them to be specially distinct, there will be no reason for doubting that this curious and radical error will have arisen from the want of authenticated specimens of the Chinese Plant or Plants. By an error of this nature large sums of money may obviously be lost, besides a large amount of time, for I apprehend, that had the proper comparison been made at first, the Tea cultivation would have had but little reference to the Assam

species

species , which, seems so much, involved in doubt*

A chief part of the Superintendents duty should henceforward rigorously require Mm to deposit in the Public Herbarium of these Gardens, to be kept properly arranged in an upper room of the Superintendent's house, an authentic specimen of each species that may flower in the Garden, and that may form part of every collection sent to England by order of Government. Arrangements should, be made for the formation of a General Herbarium, as well as an extensive series of local ones so valuable as illustrating Botanical Geography, and the Vegetable Statistics of each part of British Indie. It is a mistake to suppose that such collections cannot be preserved in this country; in an establishment so liberally provided for as this, difficulties , even if greater than they are commonly represented, ought to be steaaily overcome.

I have commenced forming one from the collections detailed in the first part of this Section. I shall be proud to add to it largely from my own extensive collections, trusting that Government will be pleased to take steps to keep them in this Institution; so that on first starting the Institution will be by no means poor in Indian Plants. I would also beg to recommend application to be maae to the India House for a complete series of the various collections made by me under orders of Government, and for the Plants similarly collected by Dr. Heifer; and also for a complete series of all the public collections maae during Dr. Falconer's Superintendence of the Botanic Gardens, Seharunpore.

To remedy the deficiency in authentic specimens of Roxburgh, Hamilton, and Wallich, I would propose an application to the Linnean Society through the Hon'ble Court
for

for specimens for the general Herbarium, the circulation of an address to all Botanists, who shared in the distribution of the East Indian Herbaria, requesting named duplicates in exchange, as well as the adoption of a system of general interchange. I have no doubt that in 3 or 4 years, a very sufficient general Herbarium might be procured, and made available to the extension of Indian Botany*

The Herbarium Department when complete should consist of a General Herbarium, and as many local ones, presenting evident peculiarities, as can be obtained; each family or each group should be conspicuously named, so that * stranger Botanist would be able at once to place his hand on the required family•

PAINTERS.

The Painters have been ordered to attend to uniformity of size and proper grouping of the objects represented. All their efforts should be directed to increasing the delineations of plants of British India, and to improving themselves in outline, which is much the most essential part of Botanical Drawings.



No. 7,

D E S I R A B L E

CHANGES AND IMPROVEMENTS.

After an attentive examination of the Gardens, it has appeared to me that the following changes and improvements are very desirable •

1# The formation of a proper fence round the land > boundaries of the Garden.

At present it is accessible from all quarters, and is consequently liable to suffer from depredations•

2« The introduction of some uniform system with reference to the divisions of the Garden, and the daily detail of Garden duties.

At present the divisions have no reference to obvious boundaries; there are divisions also without nurseries, and nurseries outside divisions; of nurseries alone there are six, although they are not numbered throughout.

3* The introduction of general uniformity in design and scenic effect.

At present part is laid out in landscape style, part in an old and obsolete artificial style.

4« The general thinning of the trees.

At present the Garden is literally choked with trees, many of them mutilated, some half blown down; the consequence is a needless drain on the soil, the production of unnatural specimens, and a great deterioration in effect*

5. The concentration of the various departments, &c* in the Garden.

At present there is an immense extent of borders, but which are neither flower borders nor shrubberies; these entail a great amount of labour, expended on a large --

surface. The high Nursery and the 4th Nursery are at opposite ends of the Garden, in places completely open to depredation* The Nurseries for Roses, Plantains, Pine-apples or Fruit trees, even when they are of one sort, are to be met with in patches all over the Gardens. The cause of this does not appear to have been particularity of soil or exposure. The Export Nursery is divided into two parts, one on either side of the main entrance, although there is abundance of room on either side. Great loss of time is incurred by the distance between the various places in which Nurseries are to be found, and the impossibility of exercising the required supervision over the Natives*

6. The extension of the Nursery for seedlings and cuttings, its methodical arrangement and system of recording observations, so as to form the groundwork of a system of practical Indian Horticulture and Arboriculture.

7. The Institution of a series of experiments regarding acclimating plants in Bengal, as well as the artificial imitation of climates adapted to exotic plants, analogous to the Green House and Hot House cultivation, so successfully practised in England.

8. The Introduction of an uniform and intelligible system of Nomenclature, declared by Dr. Lindley in his report on the Kew Gardens, to be one of the principal duties required of a Scientific Superintendent*

At present the few plants that are ticketed are named in Bengallee, only intelligible, as I have ascertained from the students of the Medical College in their weekly visits to the Malee who wrote them. With the view of introducing a scientific and intelligible Nomenclature, it will be desirable to substitute a linear arrangement for the

alphabetical, which renders the natural method as artificial as any means can do. The alphabetical system I find, has led the Natives to consider each family as isolated as one of their own castes: none of them have the slightest idea of the primary divisions. Their only distinction is between Gatch and Ghass; yet I do not find them incapable, and their power of memory generally appears great* With the view of bringing before them constantly and invariably the natural families in some degree of mutual relation at least, it is my wish to give each of the Departments a list of the genera, drawn up according to established rules, directing their attention pointedly to the three great sub-kingdoms, and to all the groups of families or classes which appear to me capable of being firmly established.

9# The formation of a Flower Garden calculated to attract the public by adding largely to the ornamental part of the Garden.

In some of the Nurseries flower beds indeed are to be found, but they rarely contain any ornamental plants, and some are filled with actually dead things. Besides they are mixed up with miscellaneous shrubs and trees. It cannot have escaped notice that by the scattering of the 3,500 plants all over the Gardens, the effect which might be produced by exhibiting them in masses or groups is completely lost. Independently of the resources of the Garden, there is reason to believe that during the cold weather flower beds of the ornamental annuals, most in vogue in England, may be exhibited.

10. The formation of Gardens calculated to teach the artificial and natural methods, and to disseminate a taste for an useful science.

In this regard the Gardens have made a retrograde movement, for in Dr. Roxburgh's time there was a Linnean Garden and the natural method was then comparatively unknown. The old Linnean Garden was temporarily restored during Mr. Grant's Superintendence 1835-36, the ground having "been previously prepared by trenching and with great success"

11* The formation of a Medical Garden, arranged according to the natural system, and near one of the Natural Gardens, and expressly calculated for the use of the Students of the Medical College*

12* The formation of Economical Gardens, in which the sources of the most important vegetable productions of India may be exhibited, and from which the Establishment may supply itself with most, if not all, the necessary articles now purchased in the bazar*

13* The formation of compost grounds, and erections of sheds for manures, &c*

14* The abandonment of the Teak Plantation, which may be said to have failed entirely, and to be, as it now exists, beyond the reach of improvement. If Government should not think fit to dispose of the ground in any other manner, I would beg to suggest the felling of all the Teaks and Sissoos, except a few of the best specimens, and the replanting the Plantation in a careful manner: the Teak trees to be limited to the higher parts of the grounds, the remainder to be planted with Bengal timber trees, such as daisee Babool, Gab, &c, and Bamboos: all these promise to succeed and to make some returns*

15. The substitution of Collectors forming part of this Establishment, or immediately under its control, for

the more costly and inefficient mode now existing, which at the most has only succeeded in introducing a few Plants

in the Garden.

To collections made in 30 months from Nipal, Cheera-ponjee and Assam at average per month • 48-7-9

To two parties of Collectors attached to and sent from the Garden, including all expenses per month average • 40-0-0

The expenses of two parties of collectors, trained for the purpose, and despatched every year to four or five localities would certainly

not exceed (see margin) those now

incurred, and in addition to the great increase of living plants to be expected from their exertions, the Museum of the Hon^{ble} Court might be largely added to both botanically and zoologically*

16* In commencing the above changes and improvements in the Hon^{ble} Company's Botanic Gardens, the first object I had in view, was its division into a Botanical Garden and a Pleasure Ground* On the former part of which I proposed applying the whole strength of the Establishment. This would concentrate all the Plants now scattered indiscriminately over the Gardens into one line, and would throw the greater part of the remainder into something like a Park or Arboretum, requiring only occasional supervision*

To effect this I have taken the main line of the Garden commencing from the Ghaut, and extending upwards along both faces of the Conservatory to the northern boundary*

This space I propose occupying as follows: the ground to the right of the main walk will be rendered _____

ornamental. The distribution nursery to be concentrated on the left side of the same wall.

The ground to the left of the main walk near the Head Gardener's house to be prepared for an extensive Garden arranged according to the circular system, which seems most in accordance with the order of nature, with a shed for composts and manure. in
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The ground to the right of the cuttings or second Nursery to be cleared, and made a workmanlike spot, with a building for composts and manure.

The ground to the east of the Conservatory to be prepared for a Garden arranged according to the Linnean method*

That to the west for a Garden according to the natural system as expounded by Jussieu, DeCandolle, &c, in their various works.

A proper Medical Garden to be made close to the Natural Garden, and to be arranged correspondingly.

A proper Economical Garden to be also made close to the Natural Garden, and to be arranged correspondingly •

The ground towards the northern boundary, chiefly that called the fifth Nursery, to be prepared for plantations of the various fruit trees, for the Medical Garden to supply medicinal plants to the Hon^{ble} Company's Dispensary, and for the growth of Jute and Hemp to supply the wants of the Establishment* Other parts will be selected for the growth of Bamboos, in which there has been a considerable monthly expenditure. The whole will match with the eastern end of the Agricultural Society's grounds*

The above changes can be effected without any addition to the sanctioned charges of this Establishment. The great additional improvement of substituting a large Lake for the

numerous and unsightly Tanks, of which there are no less than 21 in various parts of the Garden, would require nothing more than the temporary application or additional labour. And great ornament, stability and utility would result from Government sanctioning the issue from the Cossipore boundary of Iron Pillars for the Conservatory, trellis work for climbers, rods and pins for mats, &c*, and tallies for the Botanical names of the Plants; the last indeed jirfe, I "beg to say indispensable*

(Signed) William Griffith,

Offg. Superintendent*

Hon'ble Company's Botanic Garden,

1st May, 1843.