ILLUSTRATIONS

OF THE

BOTANY

AND

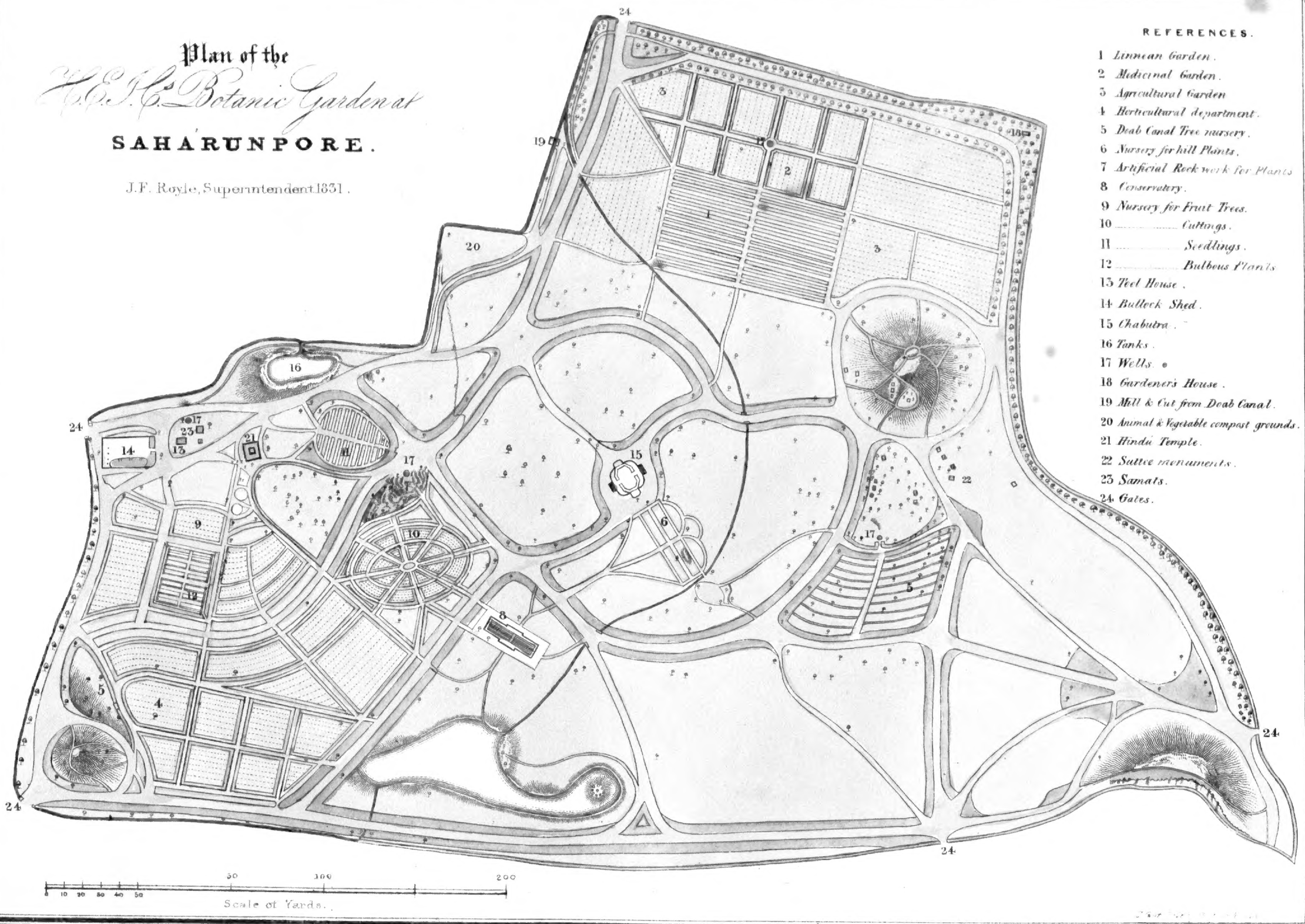
OTHER BRANCHES OF THE NATURAL HISTORY

OF THE

HIMALAYAN MOUNTAINS.

Plan of the E.I.C.s Botanic Garden at SAHARUNPORE.

J.F. Royle, Superintendent 1831.



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1839
Plates

ILLUSTRATIONS

OF THE

BOTANY

AND

OTHER BRANCHES OF THE NATURAL HISTORY

OF THE

HIMALAYAN MOUNTAINS,

AND OF THE

FLORA OF CASHMERE.

VOL. II.—PLATES.

By J. FORBES ROYLE, M.D., V.P.R.S.,

LATE OF THE MEDICAL STAFF OF THE BENGAL ARMY;

Fellow of the Linnean, the Geological, the Horticultural, and the Royal Asiatic Societies of London; of the Asiatic and Medical Societies of Calcutta; Member of the Imperial Society Naturæ Curiosorum, &c. &c.; late Superintendant of the Honourable E.I. Company's Botanic Garden at Saharunpore;

Professor of Materia Medica and Therapeutics, King's College.

MISSOURI
BOTANICAL
GARDEN

LONDON:
Wm. H. ALLEN and CO.,
LEADENHALL STREET

1839.

ALPHABETICAL LIST OF A HUNDRED AND NINETY-SEVEN PLANTS, FIGURED.

	Plate.	Fig.
Abies Pindrow	86	1
Aceras angustifolia	87	1
Aconitum heterophyllum	13	—
Amphicome arguta	72	1
Andromeda fastigiata	63	1
Andropogon Calamus Aromaticus	97	3
Anemone discolor	11	1
Aplotaxis gnaphaloides	59	1
Aquilaria Agallocha	36	1
Arenaria festucoides	21	3
Aster angustifolius	58	1
Astragalus Grahamianus	36	2
——— leucocephalus...	33	2
Balanophora dioica	78 a or 99	2
Begonia echinata	80	1
Bieberstenia odora	30	—
Burmannia cœlestis	91	1
Butomus lanceolatus	95	1
Calimeris flexuosa	58	2
Campanula Cashmeriana	62	1
Caragana Gerardiana	34	1
——— (Genista) versicolor	—	2
Cassia (Senna) lanceolata	37	—
Cedrela serrata	25	—
Cerasus cornuta	38	2
Ceropegia Wallichii	66	3
Chaptalia gossypina	59	2
Chirita bifolia	70	2
Cimicifuga frigida	14	—
Circæa cordata	43	1
Cissus capreolata	26	2
——— rosea	—	1
Codonopsis ovata	69	3
——— rotundifolia	62	2
Conocarpus latifolia	45	1
Corvisartia indica	60	1
Corydalis Cashmeriana	16	1
——— Govaniana	—	2
Crocus sativus	90	1
Cucumis Hardwickii	47	3
——— pseudo-Colocynthis	—	2
——— pubescens	—	1
Cyathidium taraxacifolium	56	2
Cyananthus integra	69	2
——— lobata	—	1
Cyrtopera flava	88	1
Dalibarda calycina	39	2
Daphne mucronata	81	2

	Plate.	Fig.
Delphinium Cashmerianum	12	—
Dendrobium alpestre	88	2
Deutzia corymbosa	46	2
Dictamnus Himalayanus	29	—
Didymocarpus macrophylla	70	1
Dolomiæa macrocephala	57	—
Echinops nivea	56	1
Edwardsia mollis	32	2
Elæagnus parviflora	81	1
Epilobium laxum	43	2
Eremostachys superba	74	—
Eriocaulon Sollyanum...	97	1
Eriocycla nuda	51	2
Euphorbia Cashmeriana	82	4
——— humilis	—	2
——— nana	—	3
——— pentagona	—	1
Eurya acuminata	24	1
Evonymus echinata	31	1
Falconeria insignis	84a. or 98	2
——— Wallichii	—	3
Fritillaria Thomsoniana	92	1
——— verticillata	—	2
Gagea elegans	95	2
Galatilla juncea	58	3
Gaultheria nummularioides...	63	2
——— tricophylla	—	3
Gaylusacia vaccinacea	79	2
Gentiana contorta	68	3
——— coronata	—	1
——— Kurroo	—	2
Geranium Lindleyanum	27	—
Glossopteris danæoides (Fossil)	2	9
Gossypium arboreum	23	2
——— herbaceum	—	1
Grewia elastica	22	—
Gymnandra Cashmeriana	73	3
Herminium gramineum	87	3
Holostemma Brunoniana	66	2
Hordeum Ægiceras	97	2
Hymenolæna Govaniana	52	2
Hypericum Japonicum...	24	2
Hypoxis minor	91	3
Impatiens bicolor	28	1
——— glandulifera	—	2
Iris longifolia	91	2
——— Nepalensis	90	2
Isopyrum grandiflorum	11	3

	Plate.	Fig.
Isopyrum microphyllum	11	4
Kohautia coccinea	53	1
Lantana dubia	73	2
Leucostemma angustifolium	21	2
——— latifolium	—	1
Ligularia arnicoides	60	2
Lloydia Himalensis	93	2
——— Kunawurensis	—	3
Lonicera bracteata	53	2
Lychnis fimbriata	20	2
Lythrum Cashmerianum	44	1
Meconopsis aculeata	15	—
Morina Wallichiana	55	1
Mulgedium macrorhizum	61	1
——— sagittatum	—	2
Murdannia scapiflora	95	3
Myosotis moltkioides	73	1
Myricaria bracteata	44	2
Nardostachys Jatamansi	54	—
Odina Wodier	31	2
Olea ferruginea	65	1
Ophiopogon intermedius	96	1
Orthanthera viminea	66	1
Osmorhiza laxa	52	1
Parnassia nubicola	50	3
Parochetus (communis) oxalidifolia	35	1
Pecopteris Lindleyana (Fossil)	2	4
Pedicularis versicolor	72	2
Peristylus Goodyeroides	87	2
Philadelphus tomentosus	46	1
Phlomis Cashmeriana	75	1
Picrorhiza Kurrooa	71	2
Pinus Gerardiana	85	2
——— Khutrow...	84	1
——— longifolia	85	1
Platystemma violoides	71	1
Polygala crotalarioides	19	3
——— furcata	—	2
——— myrsinites	—	1
——— tryphilla	—	4
Polygonum Brunonis	80	3
——— vaccinifolium	—	2
Populus ciliata	84a. or 98	1
Potentilla Cautleyana	40	1
——— Inglisii	41	3
——— microphylla	—	2
——— pteropoda	40	2
——— Saundersiana	41	1
Primula elliptica	76	2
——— obtusifolia	77	1
——— purpurea...	—	2

	Plate.	Fig.
Primula rosea	76	1
Prinsepia utilis	38	1
Procris obtusa	83	3
——— peduncularis	—	2
——— racemosa	—	1
Putranjiva Roxburghii	83a.or100	—
Pycnoclycla glauca	51	1
Quercus dilatata	84	2
Ranunculus polypetalus	11	2
Rheum spiciforme	78	1
——— Webbianum	78 or 99	—
Rhododendron anthopogon	64	3
——— lepidotum	—	1
Rosa sericea (tetrapetala)	42	1
——— Webbiana	—	2
Roscoea Alpina	89	1
——— lutea	—	2
——— purpurea	—	3
Salvia hians...	75	2
Saxifraga ciliata	49	2
——— imbricata	—	1
——— ramulosa	—	3
——— spinulosa	50	2
——— stenophylla	—	1
Scabiosa speciosa	55	2
Sedum azureum	48	2
——— coccineum	—	3
——— linearifolium	—	1
Sibbaldia purpurea	40	3
Sieversia elata	39	1
Silene Falconeriana	20	1
Smilax maculata	94	1
——— Villandia	—	2
Smithia ciliata	35	2
Sonerila tenera	45	2
Swertia alternifolia	67	2
——— cœrulea	—	1
Syringa Emodi	65	2
Tauscheria desertorum	17	—
Thermopsis barbata	32	1
Thibaudia variegata	79	1
Trillium Govanianum	93	1
Trizygia speciosa (Fossil)	2	8
Uraria lagopoides	33	1
Uvularia Leschenaultiana	96	2
Vertebraria Indica (Fossil)	2	1, 2, 3
——— radiata (Fossil)	—	5, 6, 7
Viola Kunawurensis	18	3
——— reniformis	—	2
——— serpens	—	1

LIST OF PLATES.

FRONTISPIECE.—View of the Himalaya Mountains, vicinity of Almorah.

GEOLOGY.

Section of the Himalayas from Sidowra to the Shatool Pass, Pl. 1, No. 1.

Section of the Himalayas from Saharunpore to the sources of the Jumna and Tonse, Pl. 1, No. 2.

Elevation of the sources of the Ganges.

Section of the Coal Formation from Pachette to Chinnakooree, on the Damooda, Pl. 1, No. 3.

Section of the Central Range of India from Shergatty to Roghonautpore, Pl. 1, No. 4.

FOSSILS.

From the Burdwan Coal Formation.—Plants.—Pl. 2.

Vertebraria indica, figs. 1, 2, 3.
Vertebraria radiata, figs. 5, 6, 7.
Tryzigia speciosa, fig. 8.
Pecopteris Lindleyana, fig. 4.
Glossopteris danæoides, fig. 9.

Himalayan, from the N.E. of the line of Snowy Peaks, Pl. 3.

Fig. 1. Skull of a fossil Antelope.
2. Lower Jaw of a fossil Deer.
3. Fossil Tooth of a Rhinoceros.

From the elevated Valley of the Spiti, N.W. of Kunawur—Shells—Pl. 3.

Fig. 16. Astarte.
17. Arca v. Cucullæa.
18. Undetermined.
19. Avicula.
20. Terebratula v. Atypa.
21. Another species.
22. Ammonites.
23. Delthyris?
24. Ammonites.
25. Belemnites canaliculatus.
26. Belemnites canaliculatus.
27. Belemnites sulcatus.

From the marle of the Sub-Himalayan, or Sewalik range on the S.W. or plainward base of the Himalayas.—Pl. 3.

Fig. 4. Back view of a Fish's tooth (Squalus?).
5. Front view ditto.
6. Bone of a fossil Fish.
7. Saurian tooth, Crocodile, (*mugger*) half-inverted view.
8. Side view of ditto.
9. Saurian tooth, Crocodile, (mugger).
10. Saurian, apparently back cheek tooth, front.
11. Saurian, apparently back cheek tooth, side.
12. Tooth of Anthracotherium, 0·6 inch.
13. Tooth of Anthracotherium, 0·6 of an inch.
14. Tooth of ditto, broad end, 0·4 by 0·36 inch.
15. Tooth of ditto, 0·4 by 0·6 inch.

FOSSILS.—continued.

Pl. 6.—From the Sandstone of the Sewalik, or Sub-Himalayan Hills.

Fig. 1*a*. Head of Sivatherium giganteum, one-sixth nat. size.
b. Upper jaw.
c. View of the occiput, with the core of one of the posterior horns, one-eighth nat. size.
d. View of the outside of the left lower jaw.
(*c*. and *d*. by Col. Colvin).
2. Right half of upper jaw of a fossil Monkey, found by Lieuts. Durand and Baker, nat. dim.
3*a*. *b*. Plan and elevation of Rhinoceros Sivalensis (Cautley) one-fourth nat. size.
4*a*. *b*. Scull of Hippopotamus Sivalensis (Cautley) one-sixth nat. size. *c*. Molar tooth of another.
5*a*. *b*. Plan and elevation of fossil Ox, one-eighth nat. size.
6*a*. *b* Plan and elevation of var. fossil Ox, one-eighth nat. size.
7*a*. Incisor of a fossil Horse. *b*. Crown of ditto.

MAMMALIA.

Lagomys Roylei (Ogilby), in plate named *alpinus*, Pl. 4.

Cervus Dodur (Royle), Pl. 5, upper fig. Cervus Rutwa (Hodgs.), Pl. 5, lower fig.

BIRDS.

Birds of Tropical Forms in N. India and the Himalayas during the rainy season, Pl. 7.
Certhia Goalpariensis. Eurylaimus Dalhousiæ. Pitta Brachyura.

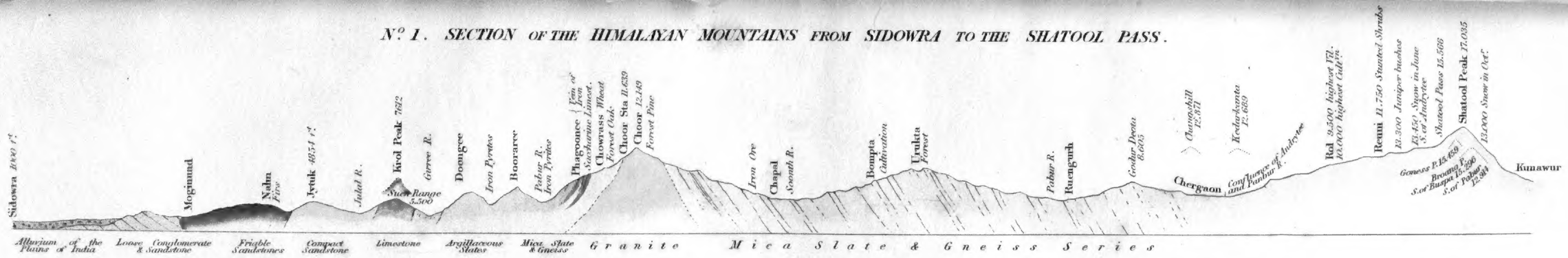
Birds of European Forms in the Himalayas, Pl. 8.
Fig. 1. Garrulus bispecularis. 2. Carduelis caniceps. 3. Turdus (*albicollis* in Plate) albocinctus.

INSECTS.

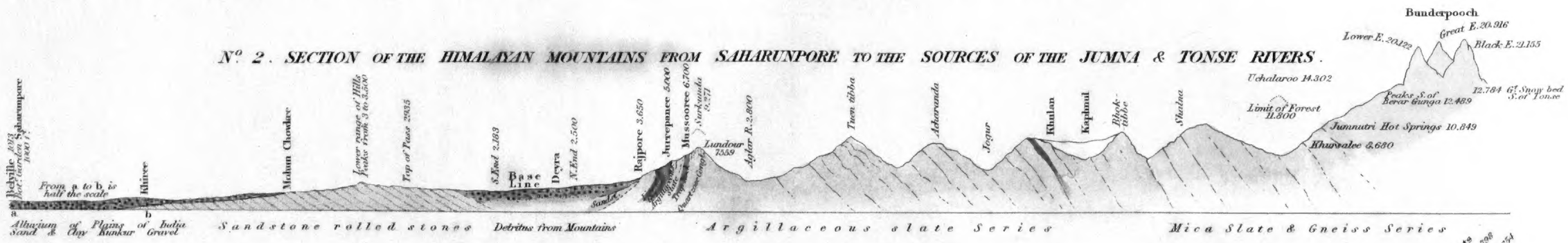
Coleoptera.	Cetonia Roylii	Pl. 9, fig. 1.	Lepidoptera.	Papilio Machaon	Pl. 10, fig. 4.
	Geotrupes orientalis ...	— 2.		Paphia Parakekta	— 3*a*,&*b*.
	Onthophagus phanæoides	— 3.		Campylotes histrionicus	— 1.
	Lucanus lunifer ...	— 4.	Orthoptera.	Mantis Roylii	— 5.
	Lamia Wallichii	— 5, 6.	Hymenoptera.	Dirhinus Himalayanus ...	— 8.
	Porus ochraceus	— 7.	Heteroptera.	Scutellera pulchella ...	— 6.
	Aphodius irregularis ...	— 8.		Megarhynchus transversalis	— 7.
	Anisotelus bimaculatus	— 9.	Homoptera.	Cicada sulphurea	— 2.
	Elater cyanopterus ...	— 10.	Diptera.	Hippobosca maculata ...	— 10.
	Ripiphorus apicalis ...	— 11.		Nycteribia Roylii	— 9.
Dermaptera.	Forficula macropyga ...	— 12.			

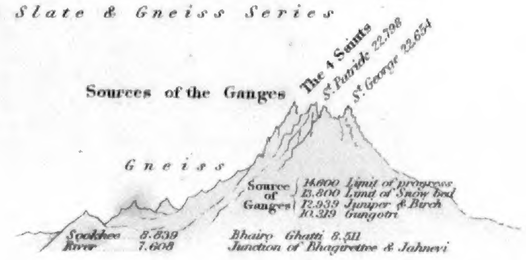
Ground Plan of the Saharunpore Botanic Garden.

N°. 1. SECTION OF THE HIMALAYAN MOUNTAINS FROM SIDOWRA TO THE SHATOOL PASS.



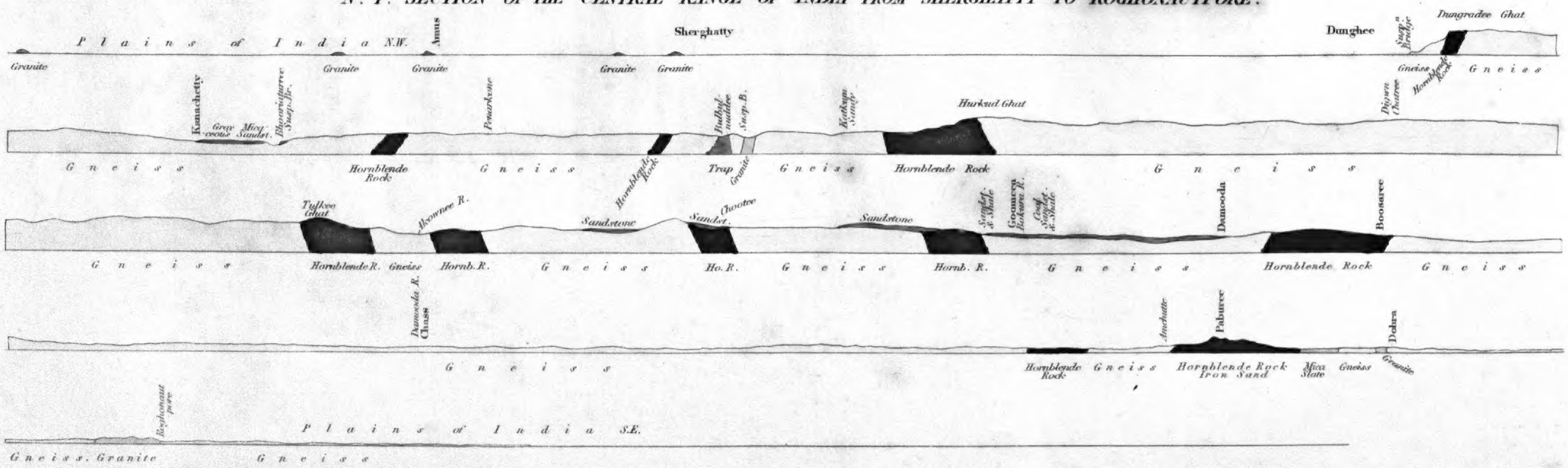
N°. 2. SECTION OF THE HIMALAYAN MOUNTAINS FROM SAHARUNPORE TO THE SOURCES OF THE JUMNA & TONSE RIVERS.





N°. 3. SECTION OF THE COAL FORMATION FROM PACHETTE TO CHINNAKOOREE ON THE DAMOODA.

N°. 4. SECTION OF THE CENTRAL RANGE OF INDIA FROM SHERGHATTY TO ROGHONAUTPORE.



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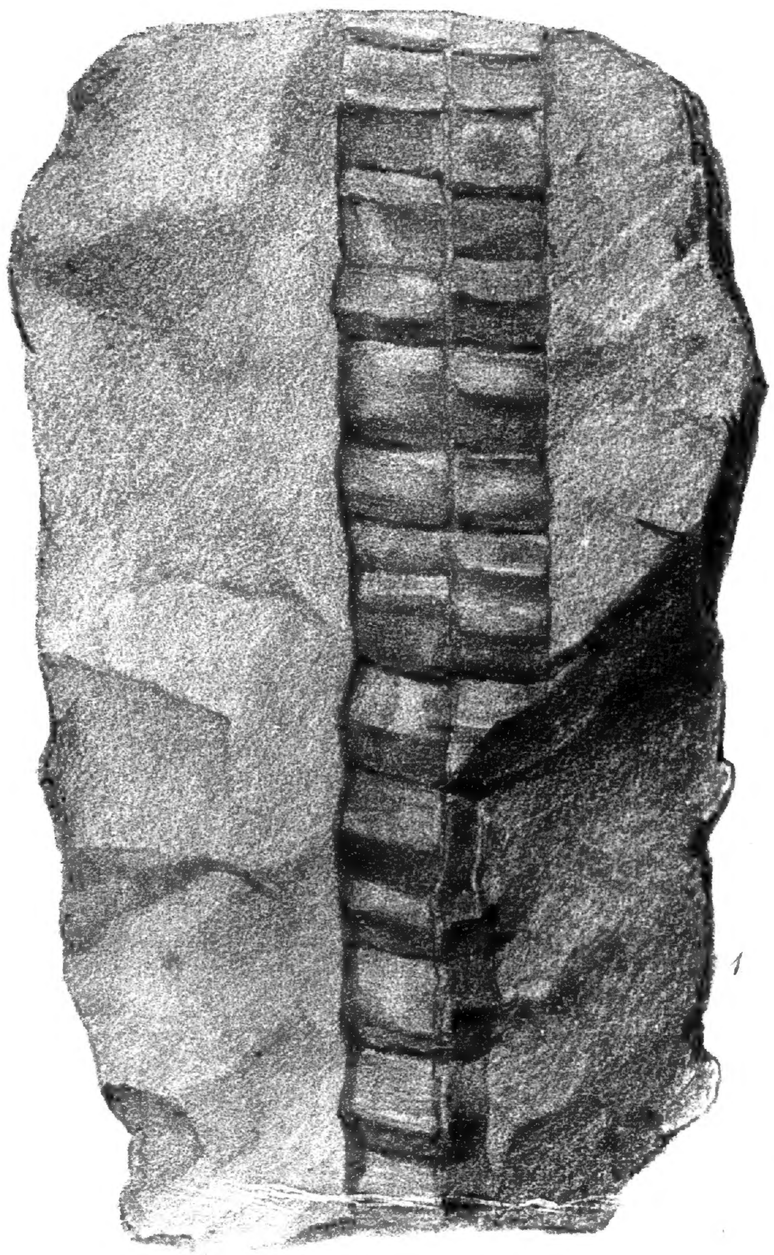
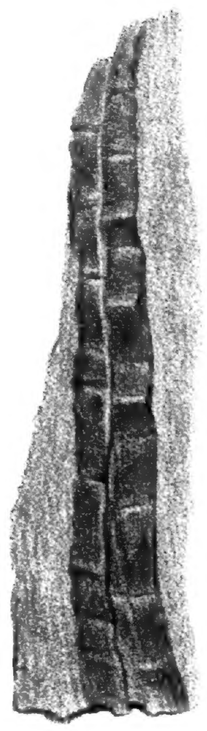
FOSSIL PLANTS.

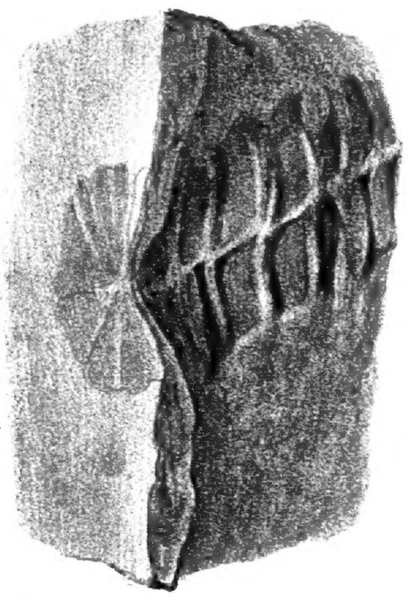
from the Burdwan Coal Formation.

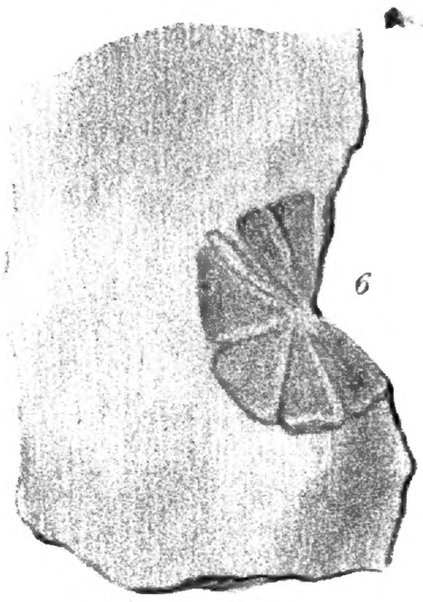




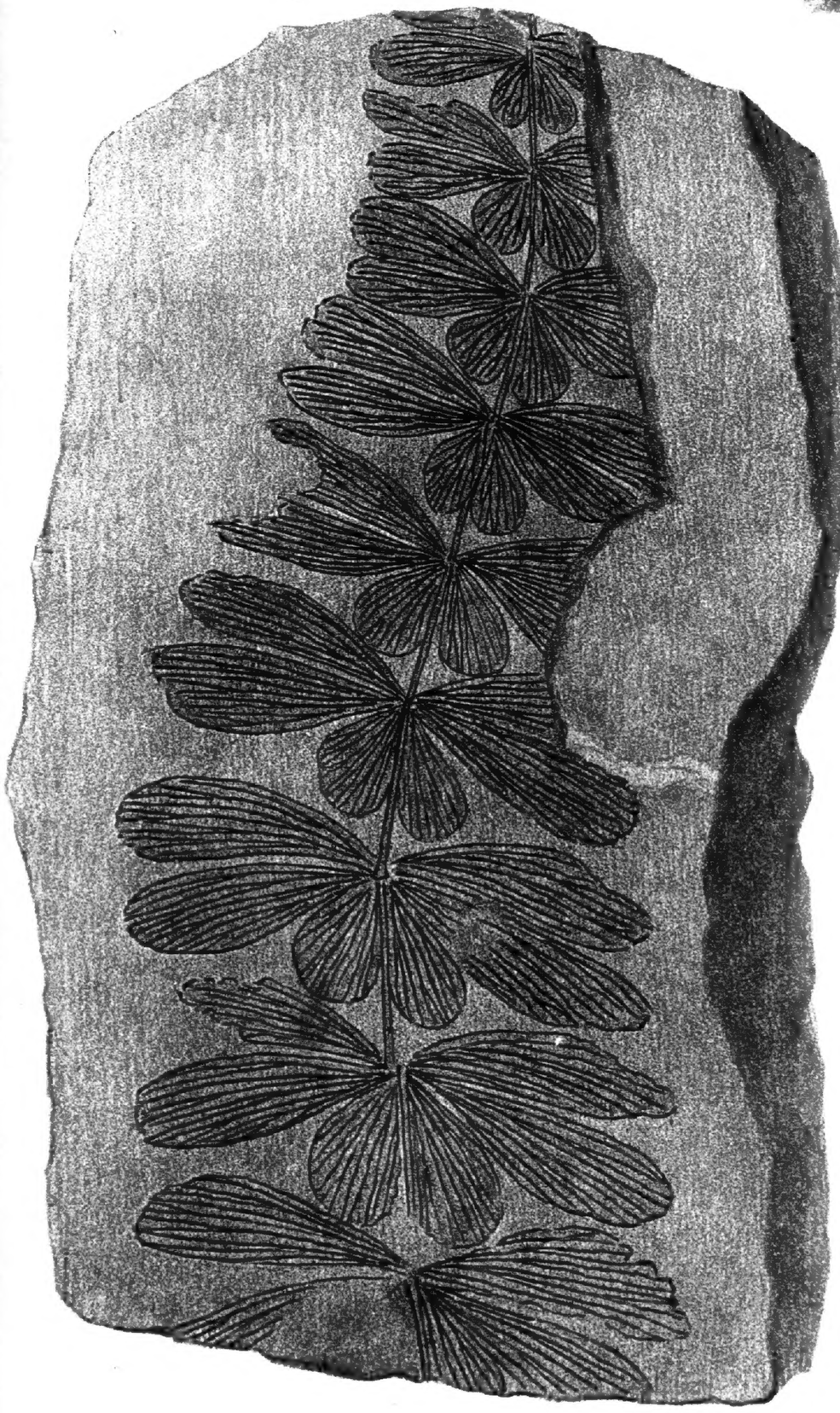
1.2.3. Vertebraria indica.

4. Pecopteris Lindleyana.

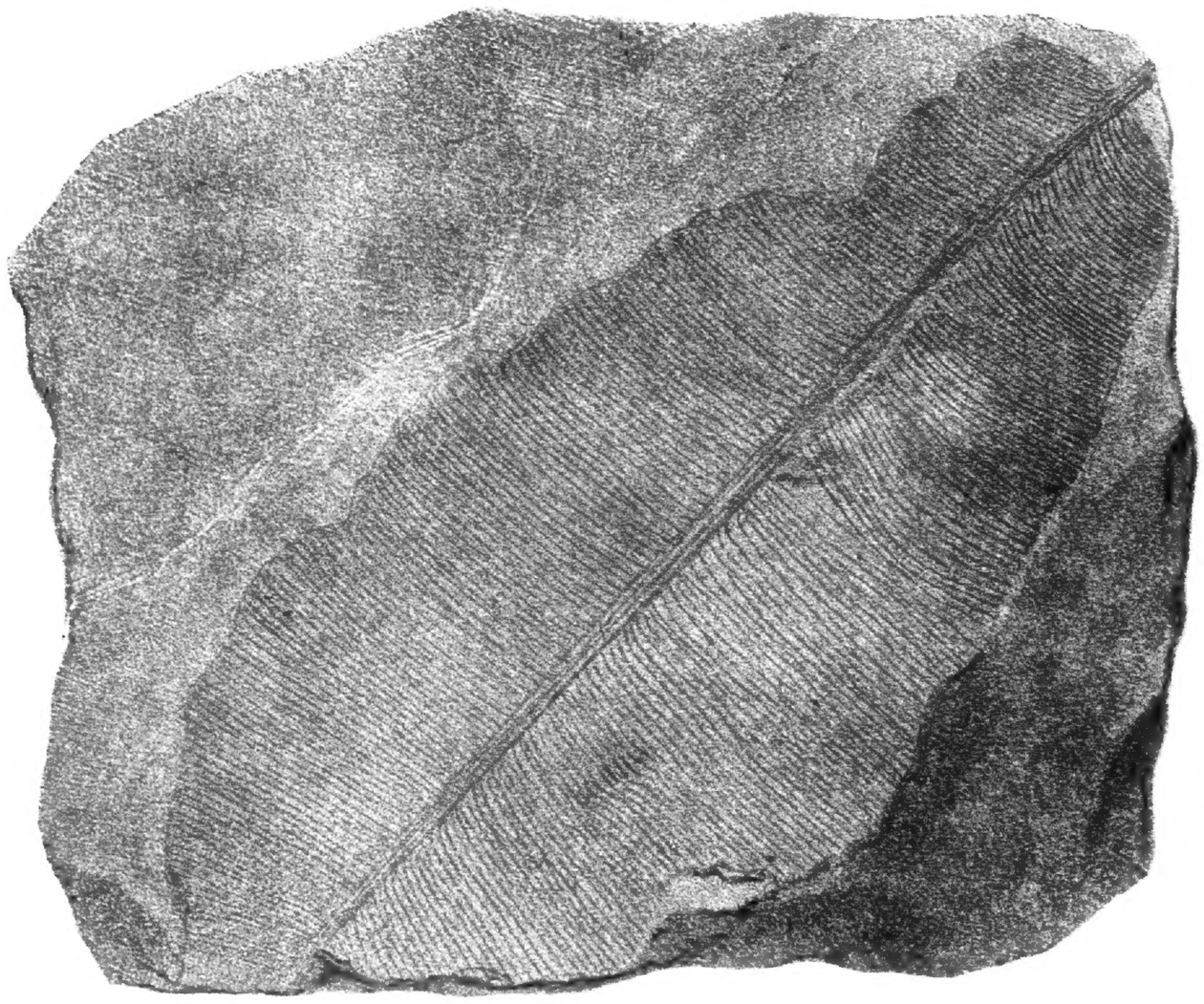




5.6.7. Vertebraria radiata



8. Trizygia speciosa.



9. Glossopteris danaeoides

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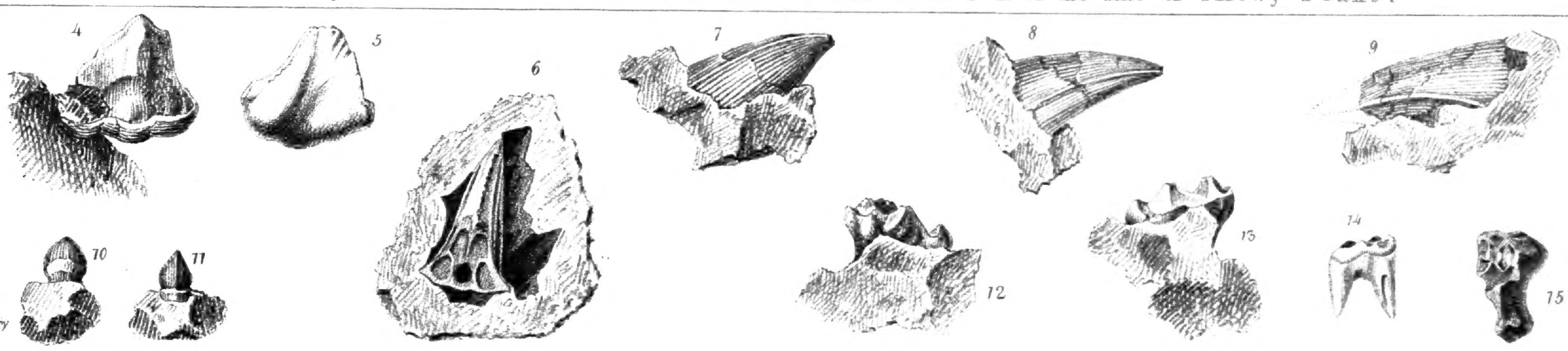
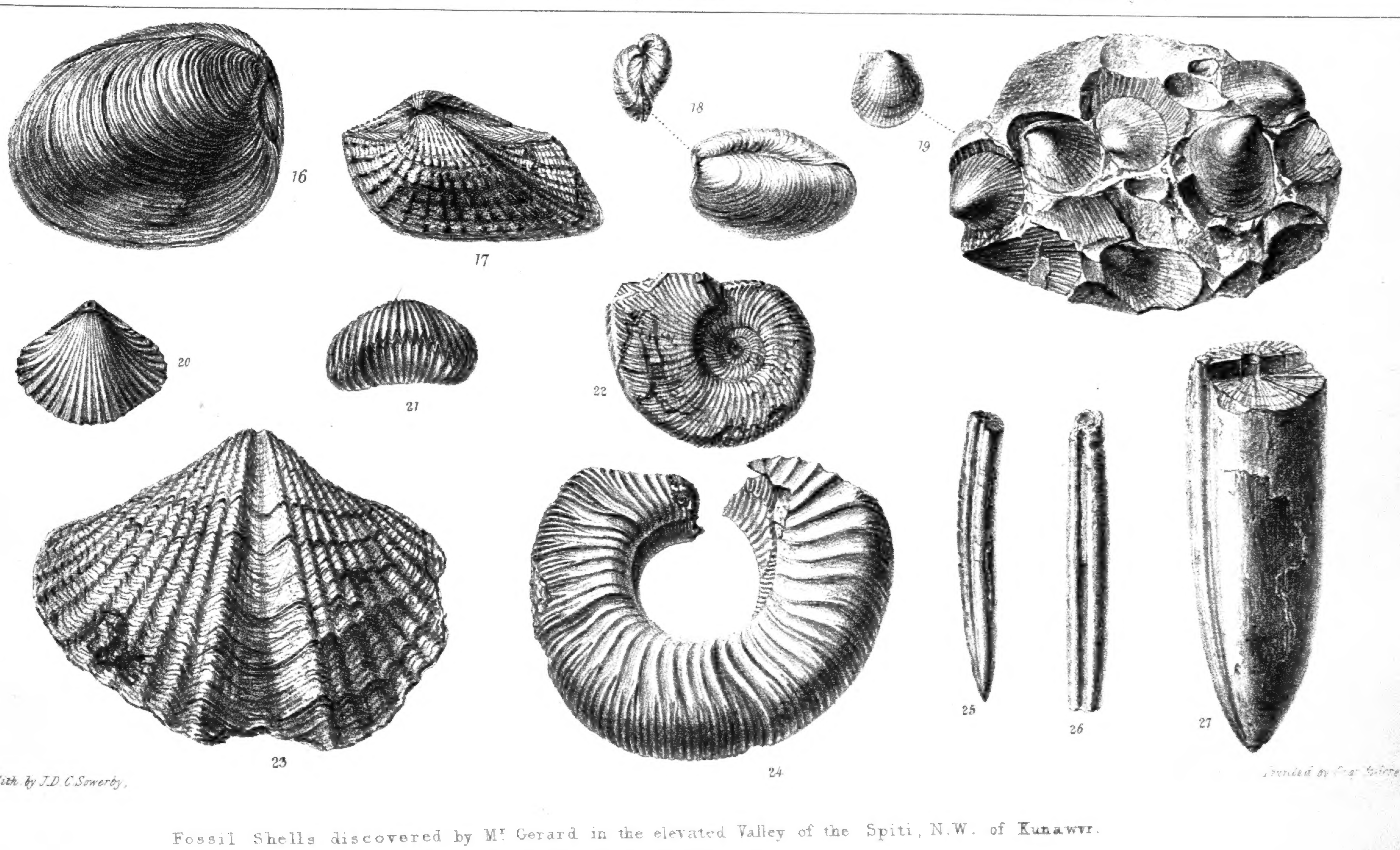
Fossil Bones obtained by Mess.rs Webb and Traill, from the elevated land on the N.E. of the line of Snowy Peaks.



4 to 15 from Drawings by Lt Cautley

Fossil Teeth found by Lieut Cautley in the Lower Range on the S.W. or plainward base of the Himalayas.



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Fossil Shells discovered by Mr Gerard in the elevated Valley of the Spiti, N.W. of Kunawur.

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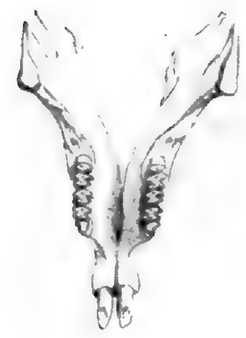
1

2

3



Lagomys alpinus Desm. L. Pika. Geoff.

Choor Mountain. Lat. 30. Elev. 11500

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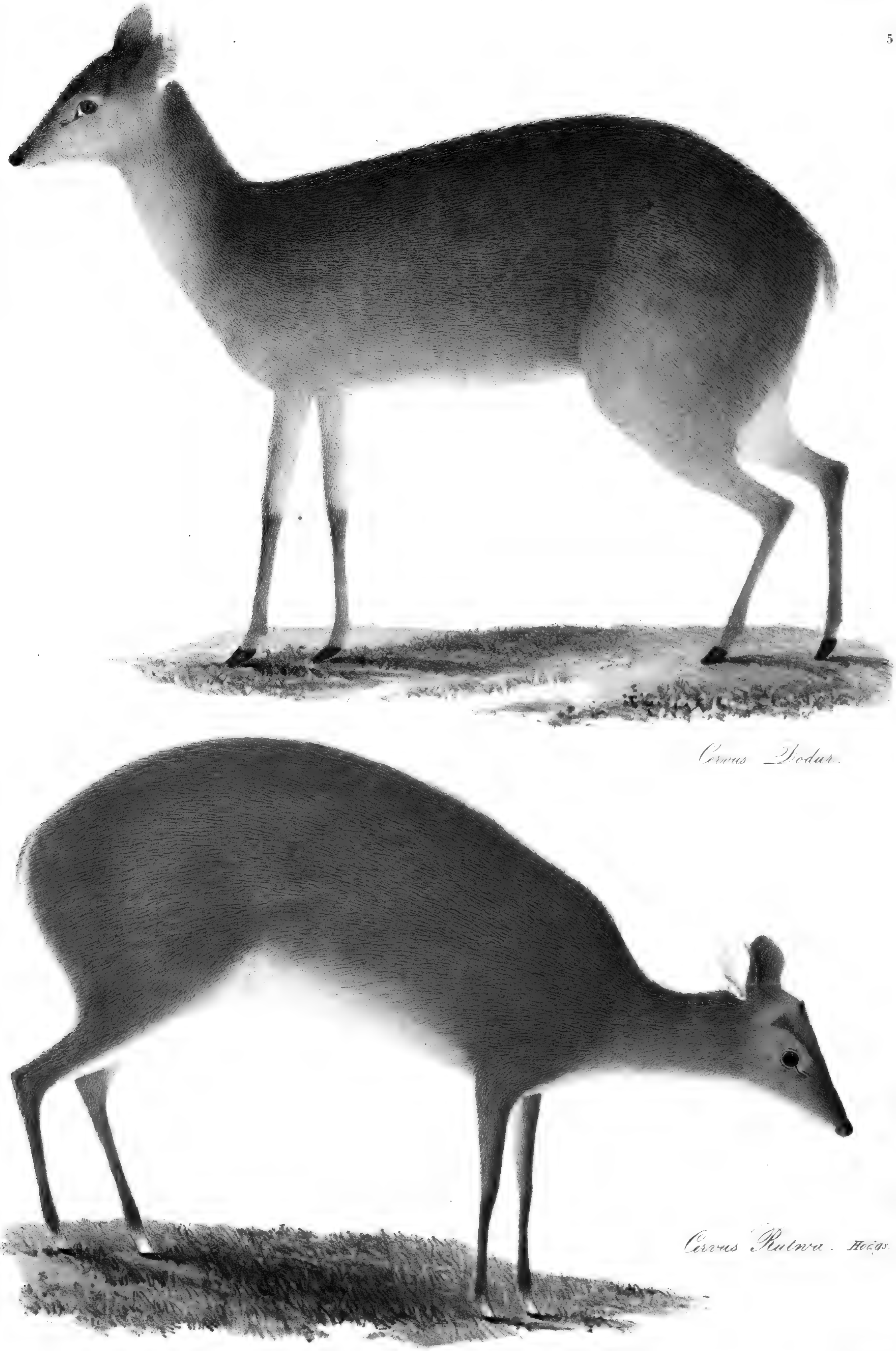

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Capt.n Cautley del.

M. Gauci lith.

Fossils of the Sub Himalayan, or Sewalik Hills

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J. Graf Printer to her Majesty

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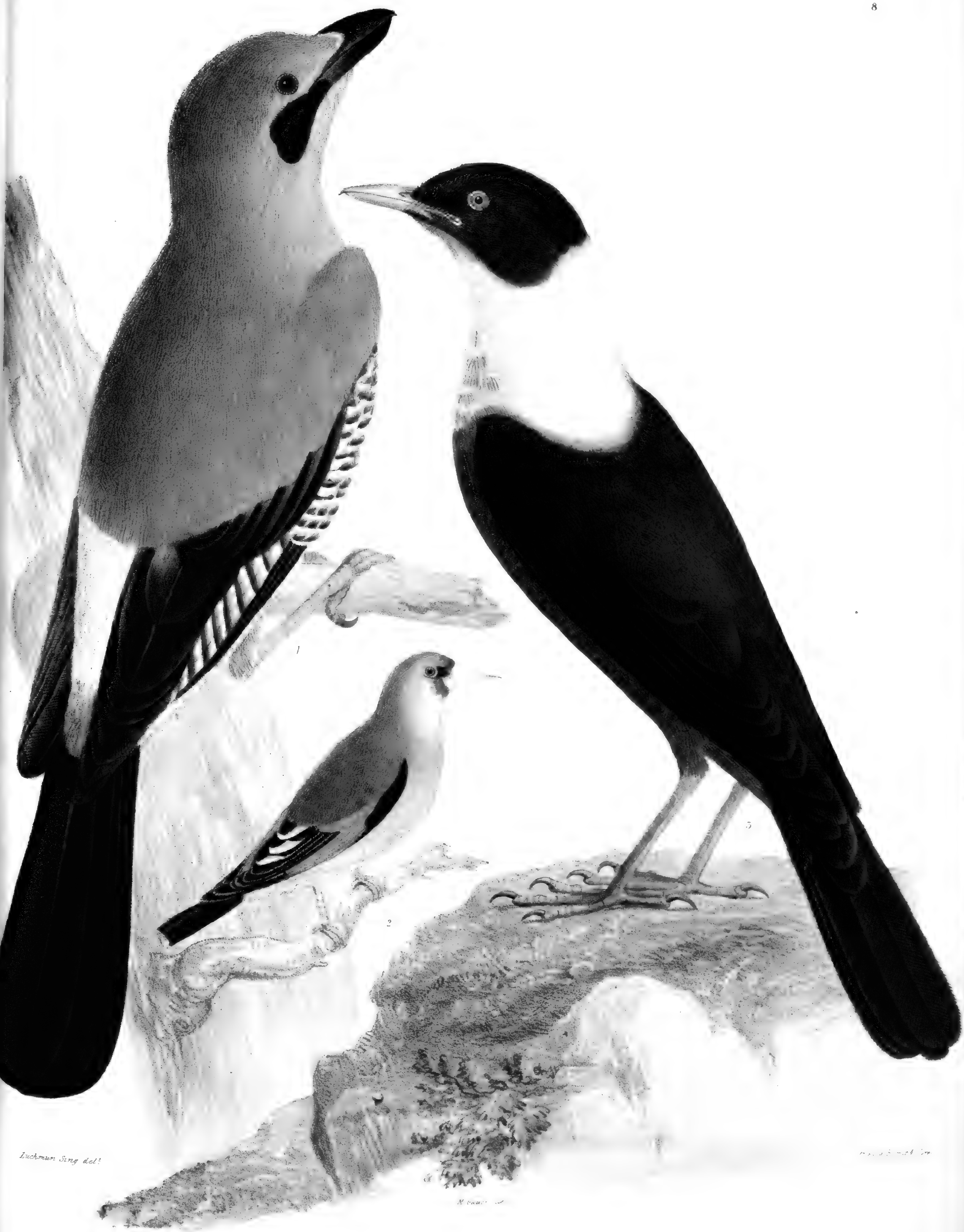

1. Garrulus bispecularis.

2. Carduelis caniceps.

3. Turdus albicollis

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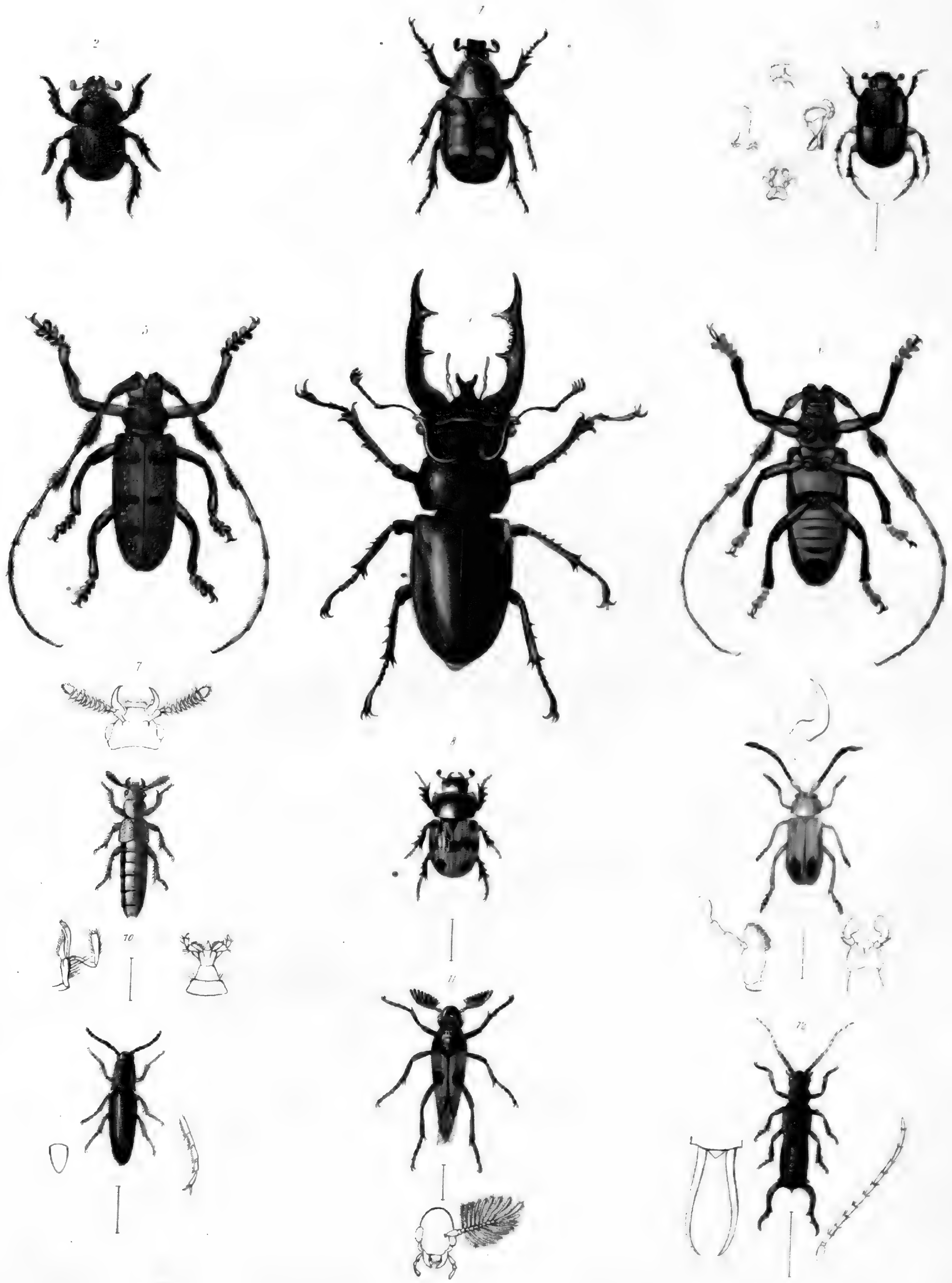

1 *Cetonia Roylii Hope.*
2 *Geotrupes Orientalis Hope.*
3 *Onthophagus phanaeoides Hope.*
4 *Lucanus lunifer Hope.*
5 & 6 *Lamia Wallichii Hope.*

7 *Perus ochraceus Hope*
8 *Aphodeus irregularis Hope.*
9 *Anisotelus bimaculatus Hope*
10 *Elater cyanopterus Hope*
11 *Ripiphorus apicalis Westwood*
12 *Forficula micropyga Westwood*

J.O. Westwood delt
March 1856

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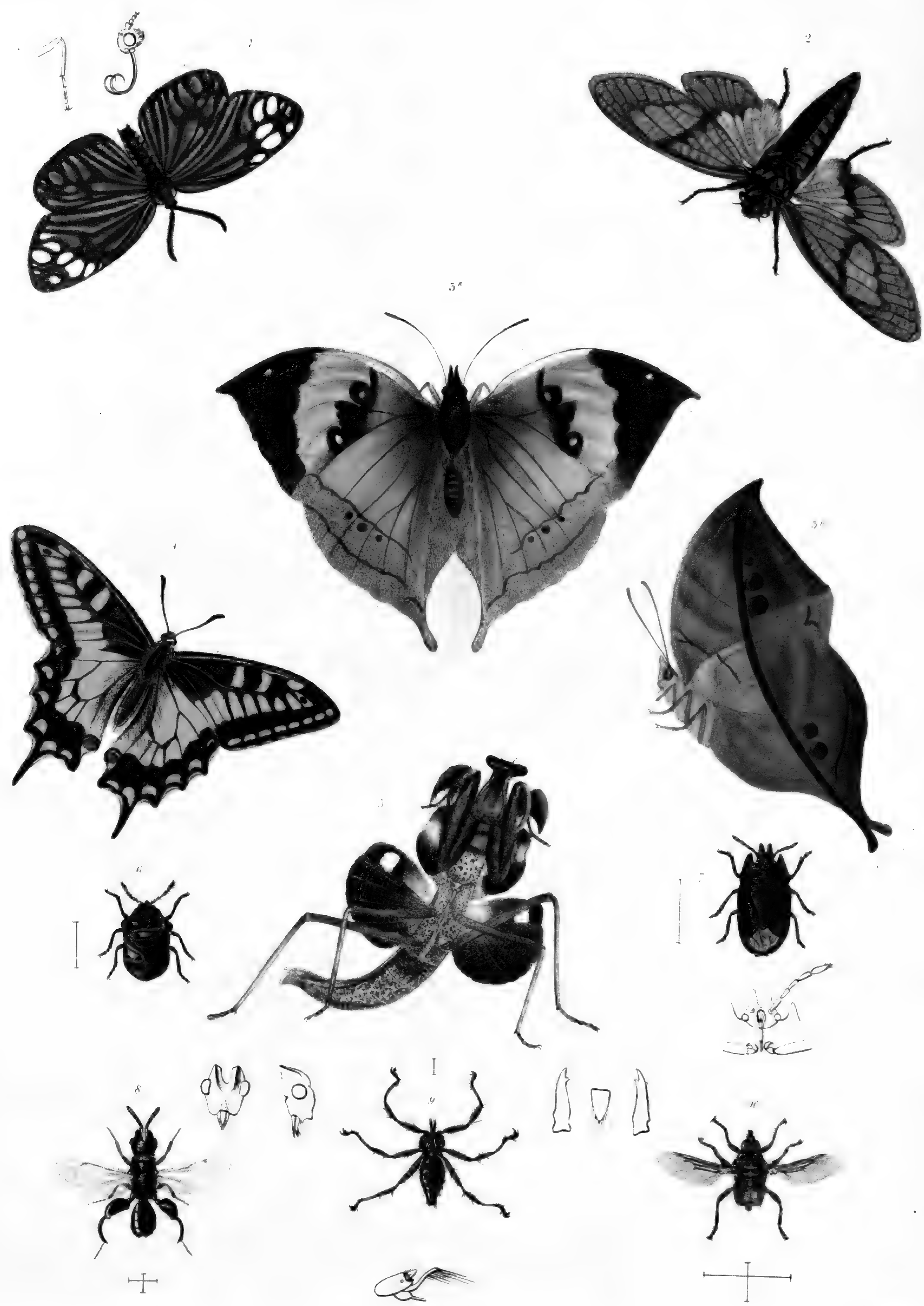
M. Gauc lith
9 North Crescent Bedford Sqre.



1 *Campylotes histrionicus.*

2 *Cicada pulchella.*

3 *Papilio Parakekta.*

4 *Papilio Machaon.*

5 *Mantis Roylii.*

6 *Scutellera pulchella.*

7 *Megarhynchus transversalis*

8 *Dirhinus Himalayanus.*

9 *Nycteribia Roylii.*

10 *Hippobosca maculata.*

Vishnupersaud del.   M. Gauci lith.

1. *Anemone discolor.* 2. *Ranunculus polypetalus.* 3. *Isopyrum grandiflorum.* 4. *I. microphyllum.*

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Vishnupersaud del.

Delphinium Cashmerianum Royle

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Aconitum heterophyllum Wall.

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Cimicifuga frigida. Wall.

Meconopsis aculeata Royle

London, Published by Parbury, Allen & Co. Leadenhall St.

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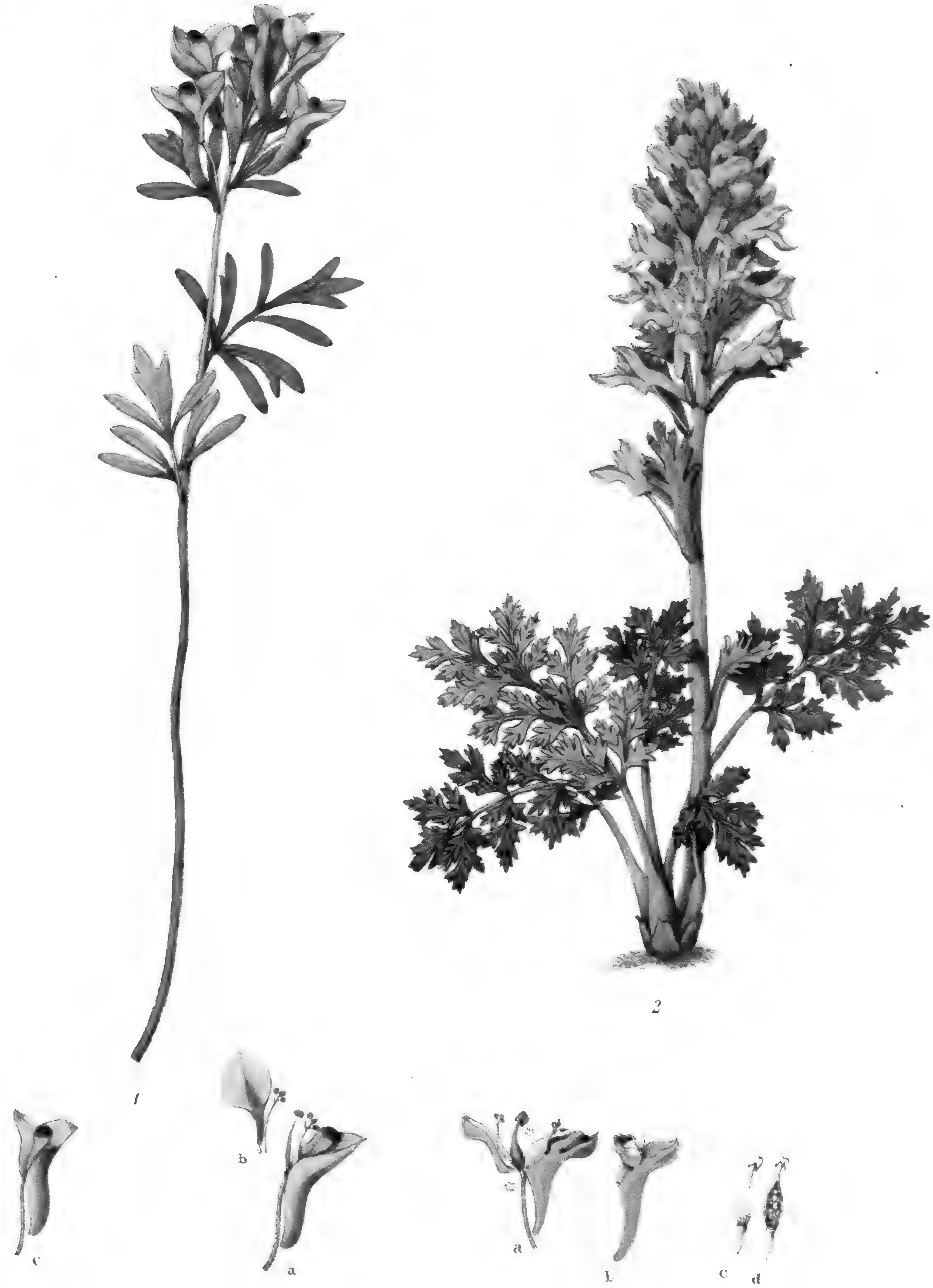


Vishnupersaud del.

M. Gauci lith.

1. *Corydalis Cashmeriana.* Royle. 2. *C. Govaniana.* Wall.

Published by Parbury Allen & Co. Leadenhall Street.

Printed by Graf & Soret

Vishupersaud del.t M Gauci lith

Tauscheria desertorum

Published by Parbury Allen & C.o Leadenhall Street.

Printed by Graf & Soret

Vishnupersaud delt. M Gauci lith.

1. Viola Serpens. Wall. 2. Viola reniformes. Wall. Viola Kunawurensis. Royle

Printed by Graf & Soret

Vishnupersaud del.

A. *Polygala myrsinites.*

M. Gauci lith.

B. *Polygala furcata.* C. *Polygala crotalarioides* D. *Polygala triphylla.*

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Soret

Vishnupersaud del. *M. Gauci lith.*

Silene Falconeriana. Lychnis fimbriata

Published by Parbury Allen & Co Leadenhall

Printed by Graf & Soret

M Gauci lith.

1. Leucostemma latifolia. 2. L. angustifolia. 3. Arenaria festucoides.

Published by [illegible] & Co. Leadenhall St.

Grewia elastica. Royle.

1. Gossypium herbaceum. 2. G. arboreum.

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Sons

Vishnupersaud del.

1. Eurya acuminata 2. Hypericum Japonicum.

Published by Parbury Allen & Co Leadenhall St.

Vishnupersaud del^t

M.Gauci lith.

Cedrela serrata.

Published by Parbury Allen & C° Leadenhall Street.

Printed by Graf & Soret

Vishnuparsaud del.

1 Cissus rosea.

2 and 2× Cissus capreolata.

M. Gauci lith.

Geranium Lindleyanum(?)

Published by Parbury, Allen & Co. Leadenhall St.

M Gauci lith

Vishnuprasaud del.

1. *Impatiens bicolor.*

2. *Impatiens glandulifera.*

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Sons

Didamnus Himalayanus. Royle.

Published by Allen & Co. Leadenhall Street

Printed by Graf & Sons

Plant W. Saunders Esqr dissect. C. M. Curtis del.^t

Biebersteinia odora.

M. Gauci lith.

Published by Parbury Allen & Co Leadenhall S.^t

Printed by Graf & Soret

Vishnupersaud del.

M. Gauci lith

1. *Evonymus echinata* 2. *Odina Wodier*

Published by Parbury Allen & Co. Leadenhall S^t.

Printed by Graf & Soret

Vishnupersaud delt.

M. Gauci lith.

1. *Thermopsis barbata.*   2. *Edwardsia mollis.*

Published by Parbury Allen & Co Leadenhall St.

Vichnupersaud del.

M. Gauci lith

1. *Uraria lagopoides.*

2. *Astragalus leucocephalus.*

Published by Parbury, Allen & Co. Leadenhall St.

Printed by Graf & Soret

Miss Drake del.

Tartaric Furze of Travellers.

M. Gauci lith.

1. Caragana Gerardiana.

2. Genista [illegible]

Published by Parbury Allen & Co. Leadenhall Street.

Vishnupersaud del.

M. Gauci lith.

1. Parochetus communis.

2. Smithia ciliata.

Published by Parbury Allen & Co Leadenhall St.

Printed by Graf & Soret

1 ex Tom. Hamilt. 2 W. Saunders Esqr

M. Gauci lith.

1. Aquilaria Agallocha.

2. Astragalus Grahamianus.

Published by Parbury Allen & Co. Leadenhall St.

Vishnuprasaud lith.

Cassia (Senna) lanceolata.

Cultivated in India.

M. Gauci lith.

Published by Parbury, Allen & Co. Leadenhall Street.

Printed by Graf & Sons

Vishnuparsaud del.

M. Gauci lith.

1 Prinsepia utilis.

2. Cerasus cornuta

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Sons

1 Sieversia elata

2 Dalibarda alycina.

M Gauci lith

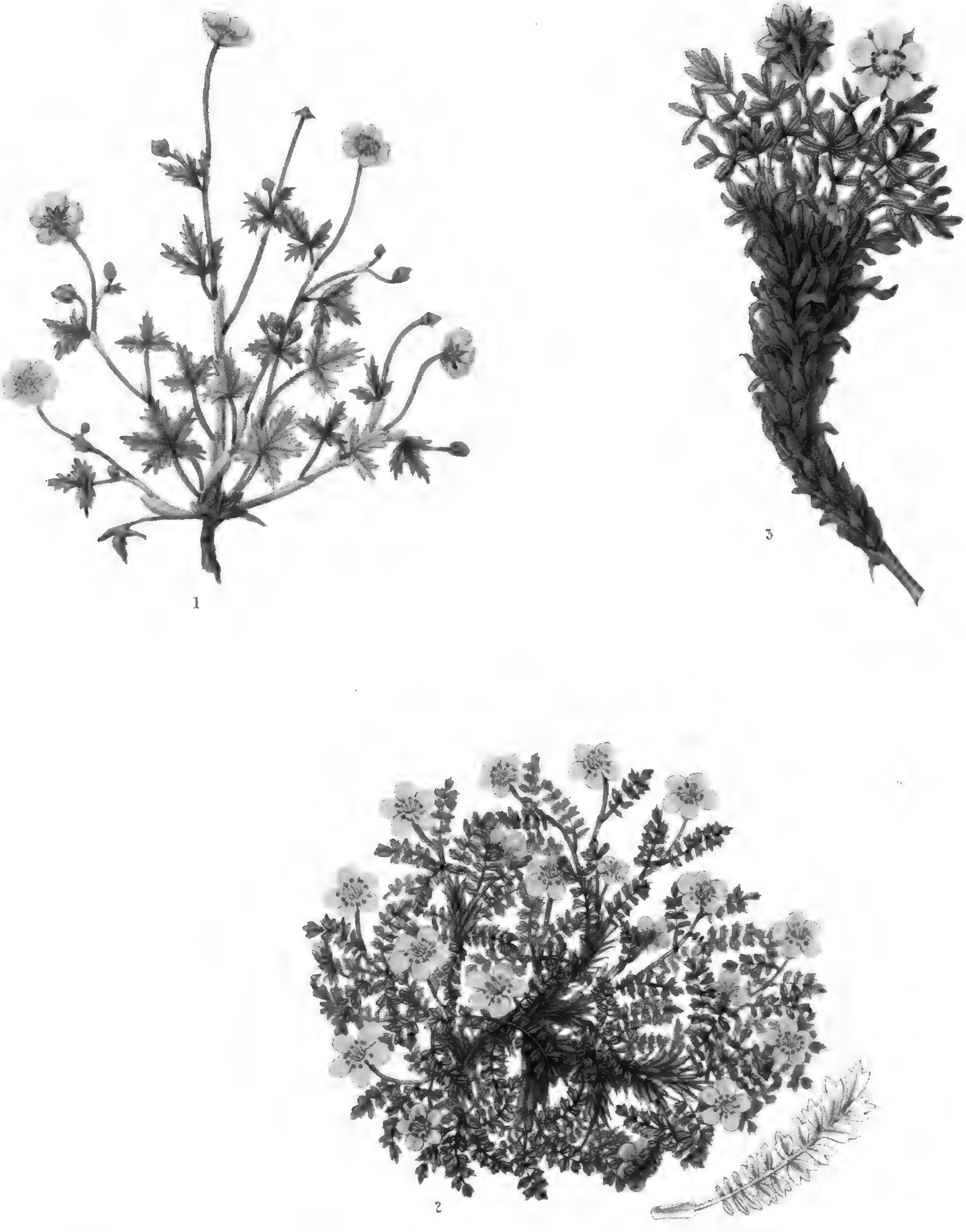
Published by Parbury Allen & Co. Leadenhall St.
Printed by Graf & Sons

1 & 2. W. Saunders Esq.r del.t

1. Potentilla Cautleyana. 2. P. pteropoda. 3. Sibbaldia purpurea.

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Soret



M. Gauci lith.

1. P. Saundersiana: 2. P. microphylla. 3. P. Inglisii.

Published by Parbury Allen & Co Leadenhall St

Vishnupersaud del.

M. Gauci lith.

1. *Rosa sericea.*

2. *Rosa Webbiana.*

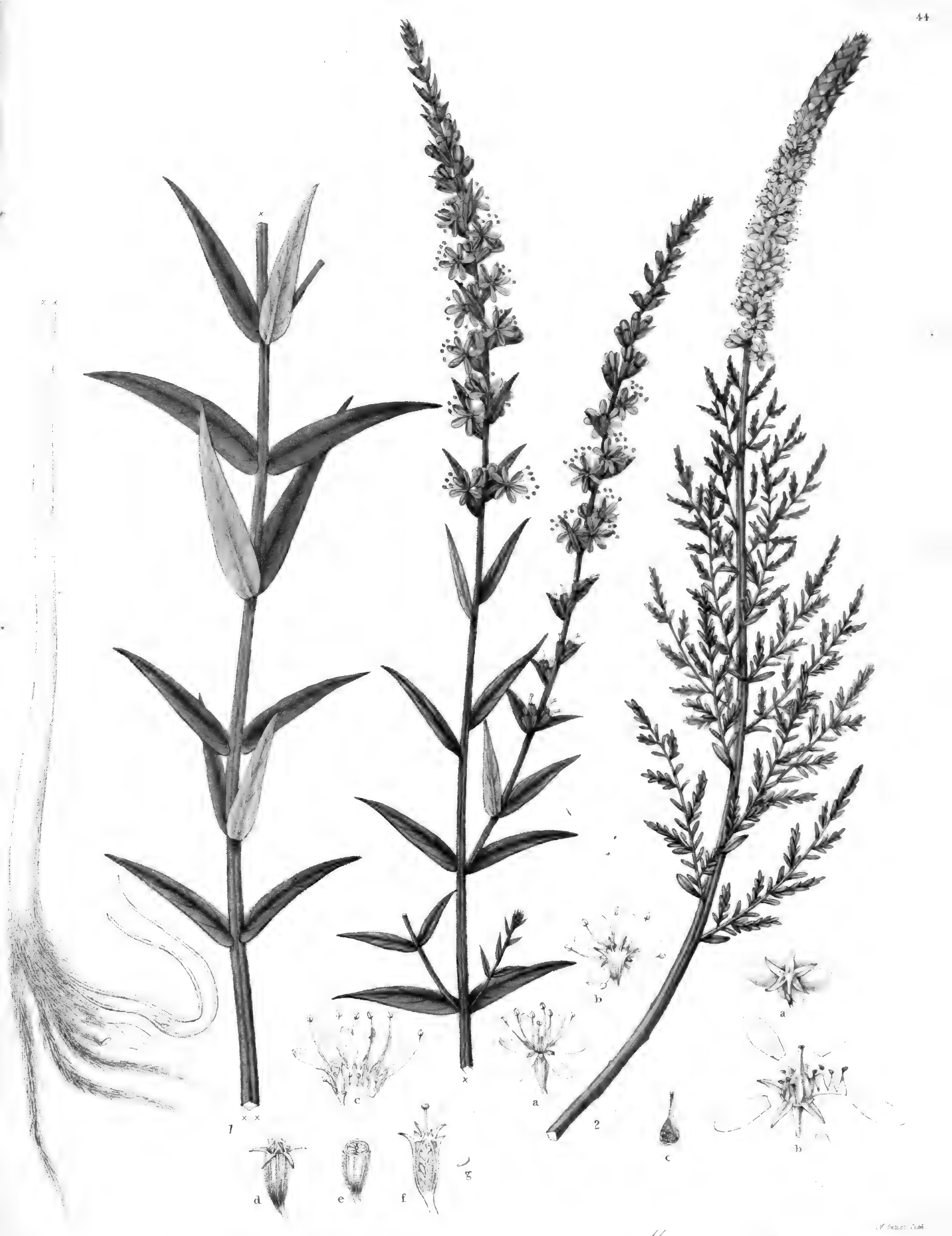
Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Soret

1. Circaea cordata.

Epilobium lanum

Published by Parbury Allen & Co. Leadenhall St.



1. Lythrum Cashmerianum.

2. Myricaria bracteata

Published by Parbury Allen & Co. Leadenhall St.

Conocarpus latifolia

Sonerila tenera

Published by Parbury Allen & Co. Leadenhall St.

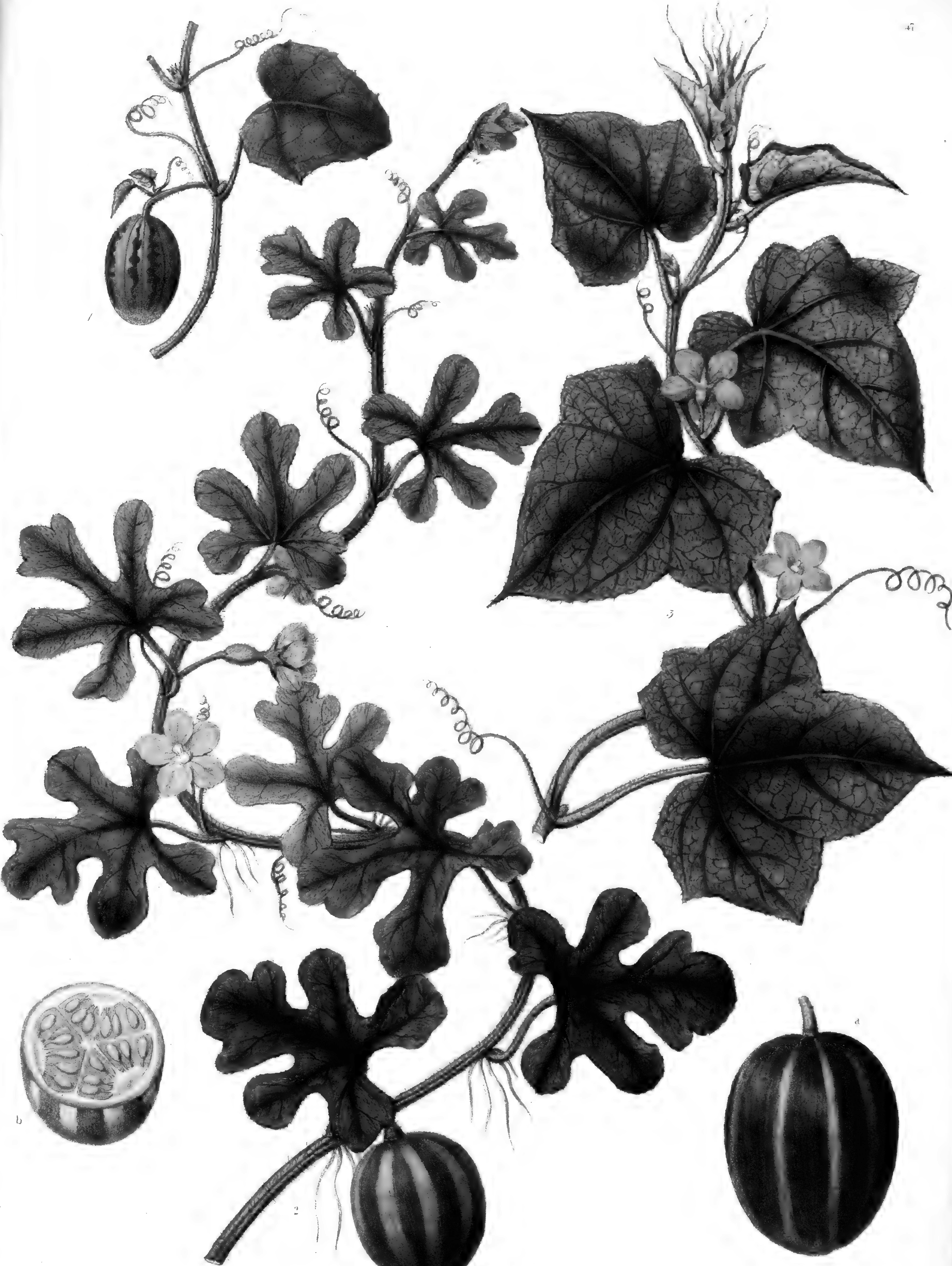
Printed by Graf & Sons

M Gauci lith.

1. Philadelphus tomentosus Deutzia corymbosa.

Published by Parbury Allen & Co. Leadenhall Street

Printed by Graf & Soret



1. Cucumis pubescens. 2 C. pseudo Colocynthis. 3. Cucumis Hardwickii.

Published by [illegible] Allen & Co Leadenhall [illegible]

Printed by Graf & Soret

M. Gauci lith.

1. Sedum linearifolium. 2. Sedum azureum 3. Sedum coccineum.

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Sons.

1. Saxifraga imbricata. 2. S. ciliata. 3. S. [illegible]

Fig. 2. W. Saunders Esq.r 3. Vishnupersaud del.t

M. Gauci lith.

1. Saxifraga stenophylla. 2. S. spinulosa. 3. Parnassia nubicola.

Published by Parbury Allen & Co.r Leadenhall St.

Miss Drake del. M. Gauci lith.

1. *Pycnocycla glauca.* 2. *Eriocycla nuda*

Published by Parbury Allen & Co Leadenhall St
Printed by Graf & Soret

M Sauci lith.

1. Osmorhiza laxa.

2. Hymenolaena Govaniana

I Vishnupersaud, 2 W. Saunders Esq. del.

M. Gauci lith.

1. Kohautia coccinea 2. Lonicera bracteata.

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Soret

Naidostachys Jatamansi

Published by Parbury Allen & Co Leadenhall St.

Printed by Graf & Soret

1. Morina Wallichiana. 2. Scabiosa speciosa.

Published by Parbury Allen & Co. Leadenhall St.

Vishnuparsaud del.

1. Echinops nivea.

Cyathidium taraxacifolium.

Published by Parbury, Allen & Co. Leadenhall Street

M. Gauci lith.

Dolomiea macrocephala.

Published by Parbury Allen & Co. Leadenhall St.

Vishnupersaud del.t

M Gauci lith.

1. Aster angustifolius. 2. Calameris flexuosa. 3. Galatilla juncea.

Published by Parbury Allen & C.o Leadenhall S.t

Vishnupersaud del.

Aplotaxis gnaphaloides. *Chaptalia gossypina.*

E. Gauci lith.

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Soret

M. Gauci lith.

1. Corvisartia indica. 2. Ligularia arnicoides.

Parbury Allen & Co. Leadenhall.

R. Thompson delt.

1. Mulgedium Macrorhizum. M. sagittatum.

M. Gauci lith.

Published by Parbury Allen, & Co. Leadenhall St.

Vishnuprasaud del.

M. Gauci lith.

1. Campanula Cashmeriana. 2. Codonopsis rotundifolia.

Published by Parbury Allen & Co. Leadenhall St.

1. Andromeda fastigiata 2. Gaultheria nummularioides. 3. G. trichophylla.

Published by Parbury Allen & Co Leadenhall St.

Printed by Graf & Sons

1. Thibaudia variegata.

2. Gaylussacia serrata.

M. Bauer del.

Published by Messrs. W.H. Allen & Co. Leadenhall Street.

Printed by Graf & Soret.

Rhododendron lepidotum

Rhododendron anthopogon

London: Published by Darbury Allen & Co. Leadenhall Street

Printed by Graf & Sorel

1. Olea ferruginea. 2. Syringa Emodi.

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Sons

1. Cithanthera viminea.

2. Holostemma Brunoniana.

3. Ceropegia Wallichii

Published by Mess.rs W.H. Allen & C.o Leadenhall S.t
Printed by Graf & Soret

Vishnupersaud del. M Gauci lith

S. caerulea. *Swertia alternifolia.*

Published by Pabury Allen & Co. Leadenhall St.

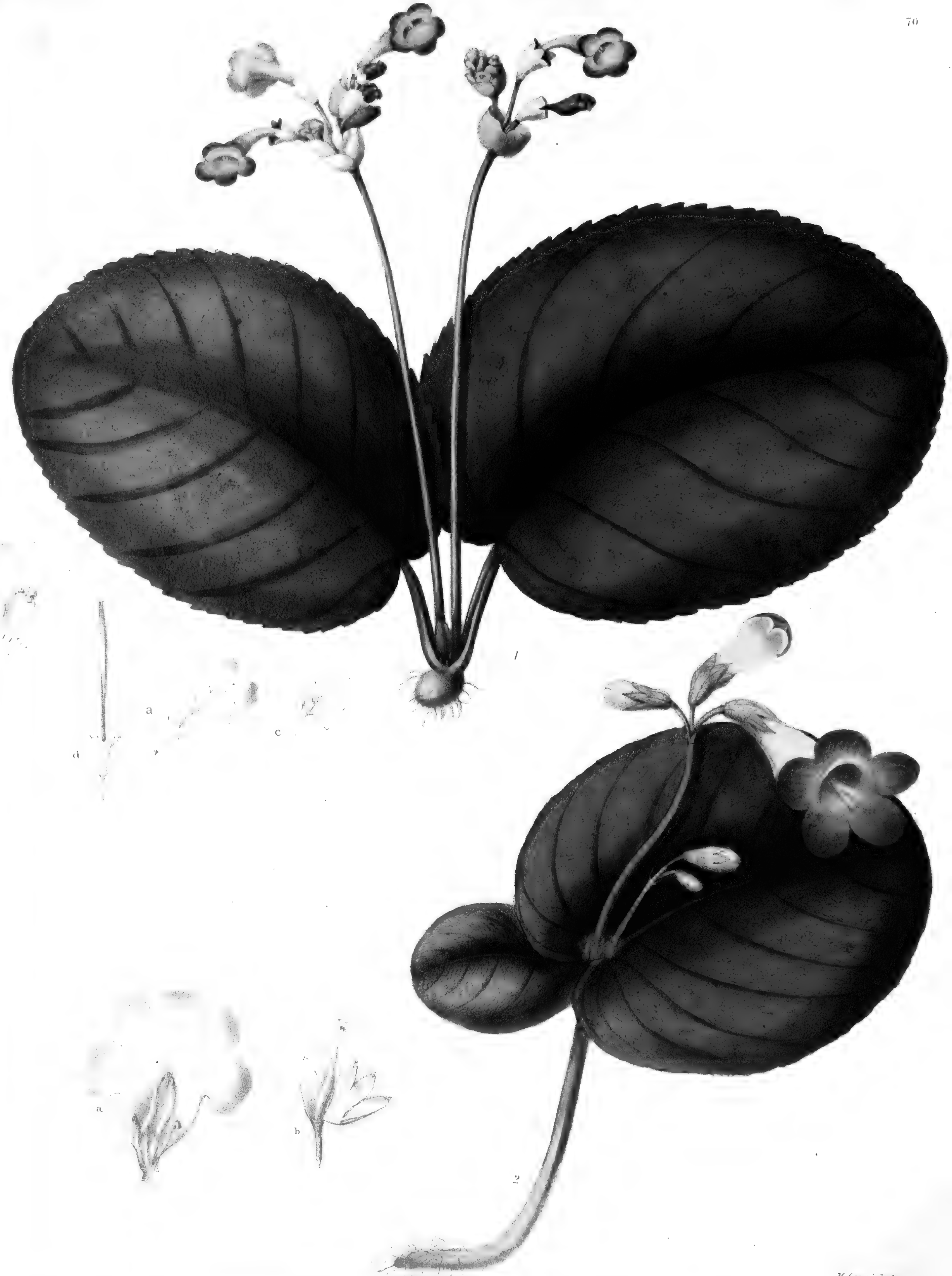
1. Gentiana coronata. 2. G. Kurroo. 3. G. contorta.

Published by Parbury Allen & Co. Leadenhall St.

1. Cyananthus lobata. 2. C. integra. 3. Codonopsis ovata.

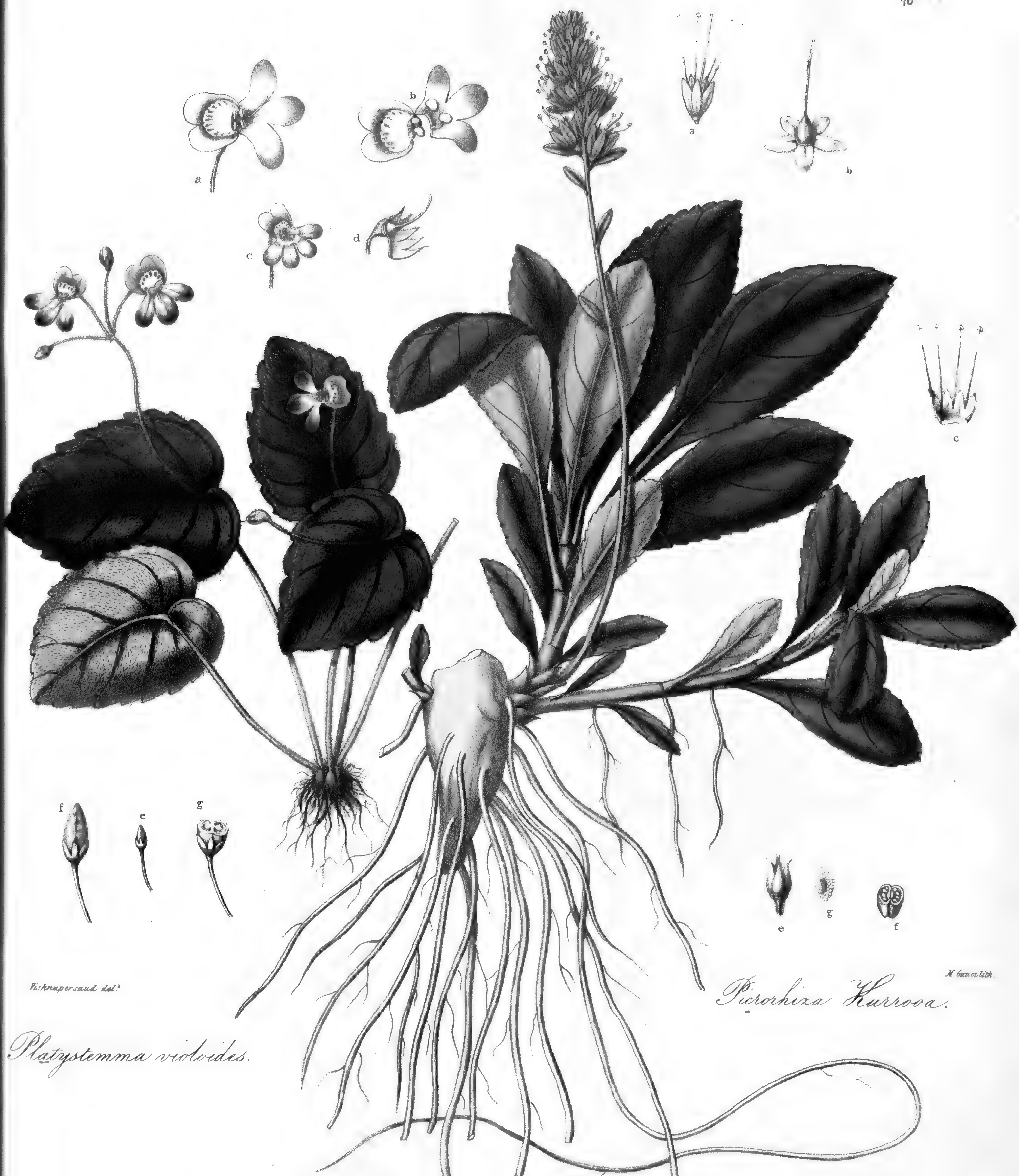
Published by Parbury, Allen & Co Leadenhall St.

Printed by Graf & Sorel



1. Didymocarpus macrophylla. 2. Cherita bifolia.

Published by Mess.rs W. H. Aller
Printed by Graf & S



Vishnupersaud del.

M. Gauci lith.

Platystemma violoides.

Picrorhiza Kurrooa.

Published by Parbury Allen & Co. Leadenhall St.

J. W. Saunders Esq.r 2. Vishnuprasaud.

M. Gauci lith

1. Incarvillea diffusa. 2. Pedicularis versicolor.

Published by Mess.rs W. H. Allen & Co. Leadenhall St.

Printed by Graf & Soret.

1 Anchusa mellitzioides. 2 Lantana dubia. 3 Gymnandra Cashmiriana.

Published by Parbury Allen & Co. Lea...

Vishnupersaud del.

M. Gauci lith.

Eremostachys superba.

Published by Parbury Allen & Co. Leadenhall St.

M. Gauci lith.

Luchmun Sing del.

Phlomis Cashmeriana.

Salvia hians.

Published by Parbury Allen & Co. Leadenhall St.

Printed by Graf & Sorel.

Vishnupersaud del.

M Gauci lith

Primula rosea

Primula elliptica

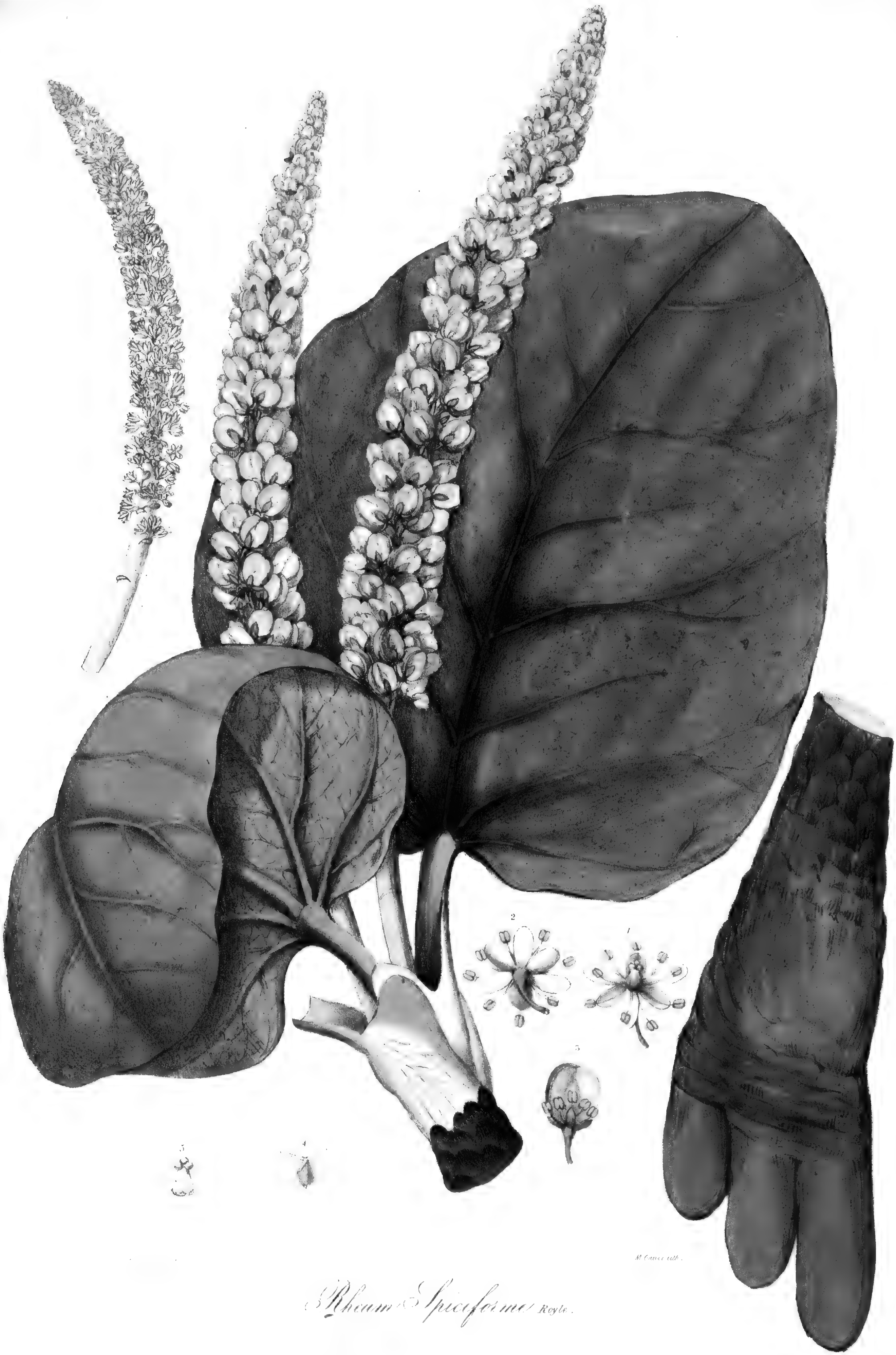
London. Published by Parbury Allen & C.o Leadenhall Street.

Printed by Graf & Soret.

1. Primula oblusifolia 2. P. purpurea.

Published by Parbury Allen, & Co. Leadenhall St.

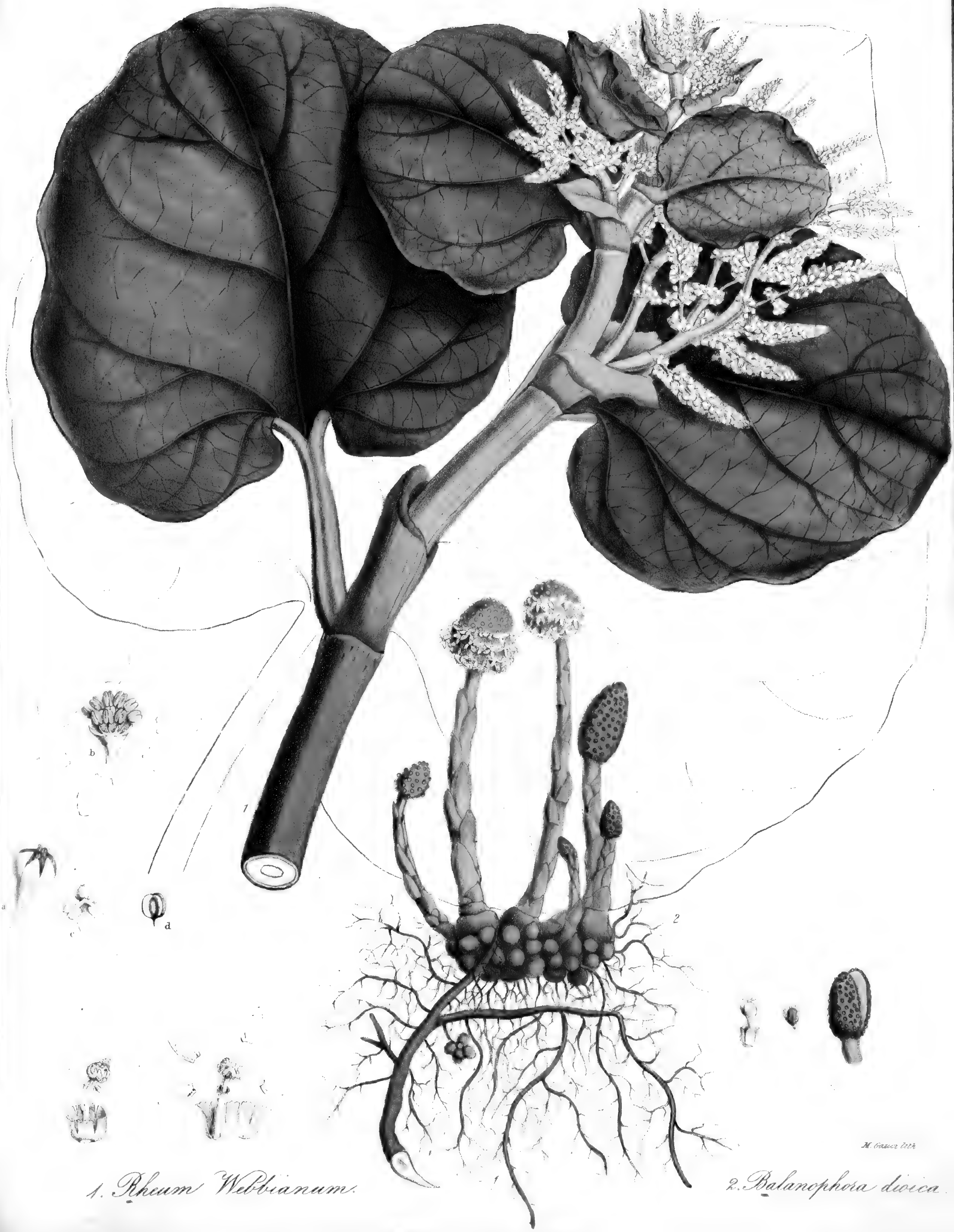
Printed by Graf & Sorel



Rheum Spiciforme Royle.

London, Published by Parbury, Allen & Co. Leadenhall Street

Printed by Graf & Sorel



1. Rheum Webbianum.

2. Balanophora dioica

Published by W.H. Allen & Co. Leadenhall St.

1. Begonia echinata. 2. Polygonum vaccinifolium 3. P. Brunonis.

Published by Messrs W. H. Allen & Co. Leadenhall St.

Printed by Graf & Soret.

1. Eleagnus parvifolia 2. Daphne mucronata.

Published by Messrs W.H. Allen & Co. Leadenhall St.

Euphorbia pentagona. 2. E. humilis 3. E. nana. 4. E. Cashmeriana.

M. Gauci lith

Putranjiva Roxburghii.

Published by Messrs. W.H. Allen & Co. Leadenhall St.

M. Gauci lith.

1. Procris racemosa. 2. P. peduncularis. 3. P. obtusa.

Published by Messrs. W.H. Allen & Co. Leadenhall St.

Printed by Graf & Soret.

84° v 98

1. Populus ciliata. 2. Falconeria insignis. 3. F. Wallichii.

Printer to her Majesty.

Published by Mess.rs W. H. Allen & C.o Leadenhall St.

M. Gauci lith.

1. Pinus Khutron.

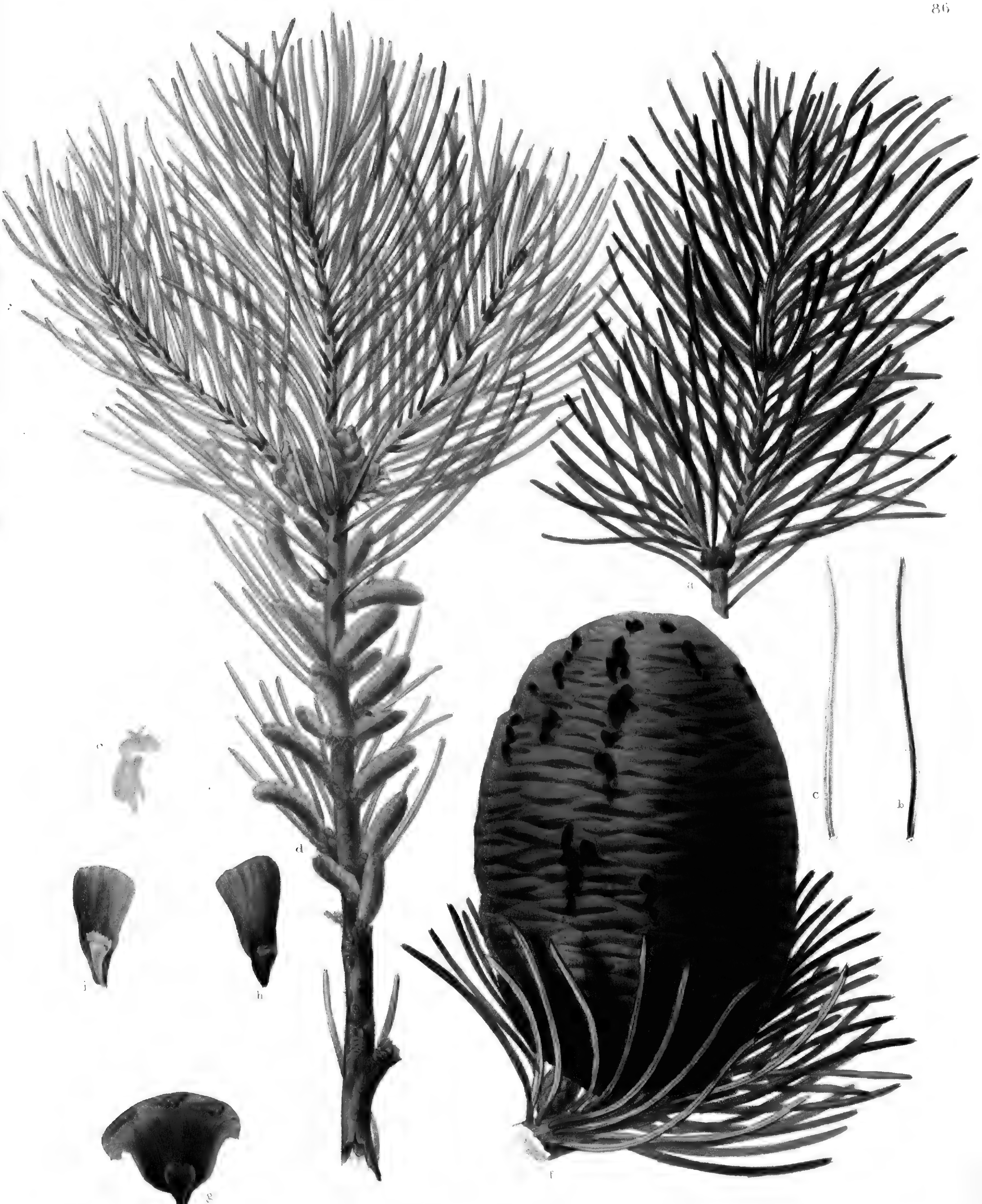
2. Quercus dilatata.

Published by Messrs. W.H. Allen & Co. Leadenhall St.

Printed by Graf & Soret

1. Pinus longifolia. 2. Pinus Gerardiana.

Published by Mess.rs W. H. Allen & C.o Leadenhall St.
Printed by Graf & Soret



Abies Pindrow.

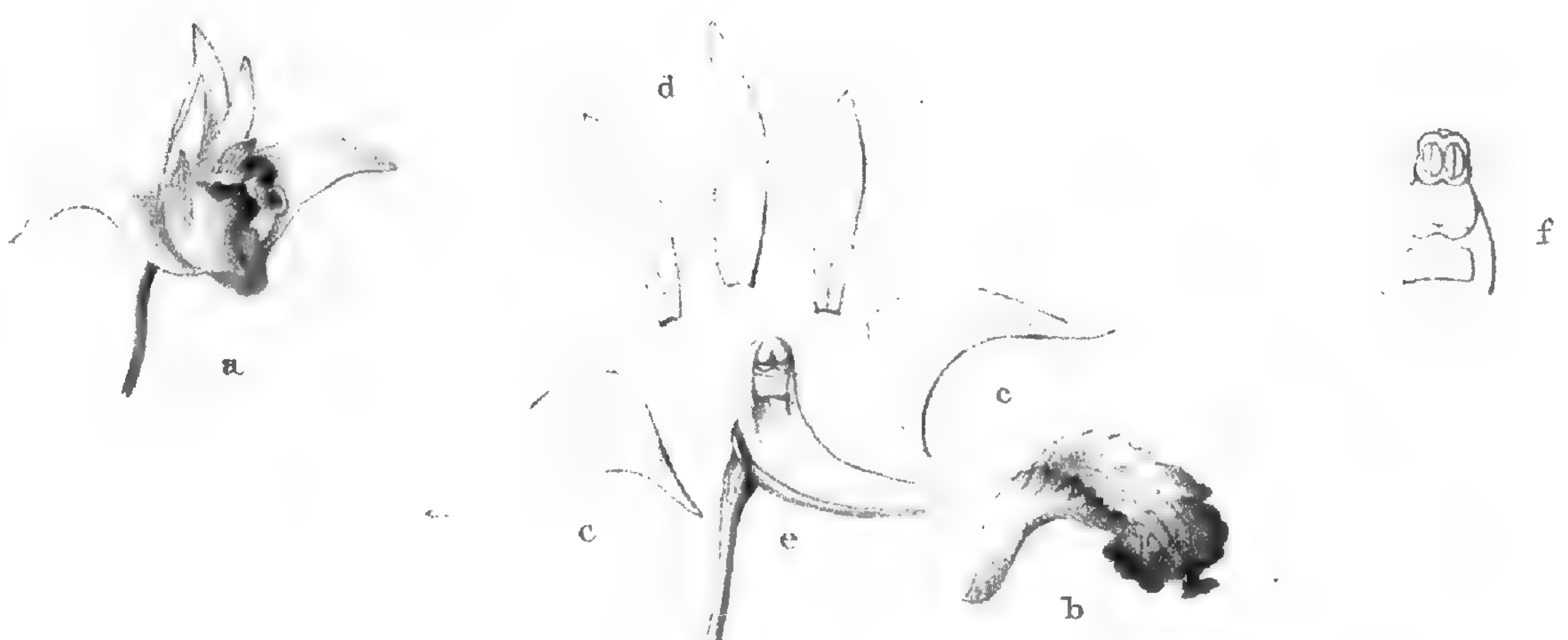
M. Gauci lith.

1. Aceras angustifolia. 2. Peristylus goodyeroides. 3. Herminium gramineum.

Published by Mess.rs W. H. Allen & Co. Leadenhall St.

Printed by Graf & Soret.

2



M. Gauci lith.

1. Cyrtopera Flava.

2. Dendrobium alpestre.

Published by Mess.rs W.H. Allen & Co. Leadenhall St.
Printed by Graf & Soret.

1. Roscoea alpina.
2. Roscoea lutea.
5. Roscoea purpurea.
Published by Messrs W.H. Allen & Co. Leadenhall St.

1. Crocus sativus var. Cashmerianus. 2. Iris Nepalensis.

Published by Messrs. W.H. Allen & Co. Leadenhall St.

1. Burmannia cœlestis. 2. Iris longifolia. 3. Hypoxis minor.

M. Gauci lit.

Published by Messrs. W. H. Allen, & Co. Leadenhall St.

M. Gauci lith.

1. Lilium Thomsonianum. 2. Fritillaria verticillata.

Published by W.H. Allen & Co. Leadenhall Street.

Printed by Graf & Soriez

M. Gauw lith.

1. Trillium Govanianum. 2. Sloydia Himalensis. 3. L. Kunawurensis.

J. Graf. Printer to her Majesty.

Published by Parbury, Allen & Co. Leadenhall St.

1. Smilax Maculata.

2. S. Villandia.

Published by Parbury Allen & Co. Leadenhall St.

1. *Butomus lanceolatus.* 2. *Gagea elegans.* 3. *Murdannia scapiflora.*

Published by Parbury Allen & Co. Leadenhall St.

1. Ophiopogon intermedius.

2. Uvularia Leschenaultiana.

Published by Parbury, Allen & Co. Leadenhall St.

Miss Drake del.

M. Gauci lith.

1, Eriocaulon Sollyanum 2, Hordeum Ægiceras 3, Andropogon Calamus Aromaticus

Published by W.H. Allen & Co. Leadenhall Street.
J. Graf, Printer to her Majesty