

THE  
VEGETABLE SYSTEM.

O R,

The INTERNAL STRUCTURE

A N D

The LIFE of PLANTS;

Their PARTS, and NOURISHMENT, Explained;

THEIR

CLASSES, ORDERS, GENERA, and SPECIES,

Ascertained, and Described;

In a METHOD altogether NEW:

COMPREHENDING

AN ARTIFICIAL INDEX,

A N D

A NATURAL SYSTEM.

With FIGURES of all the PLANTS; Designed and Engraved by the AUTHOR.

The Whole from NATURE only.

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By JOHN HILL, M. D.

MEMBER OF THE IMPERIAL ACADEMY, &c. &c.

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V O L. XIV.

Containing FIVE-PETAL'D PLANTS.

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L O N D O N:

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M.DCC.LXXIII.

THE  
VEGETABLE SYSTEM.

THE INTERNAL STRUCTURE  
AND  
THE LIFE OF PLANTS;

THEIR TASTE AND NUTRIMENT,  
THEIR  
CLASSES, ORDERS, GENERA, and SPECIES,  
Ascertained, and Methodized.

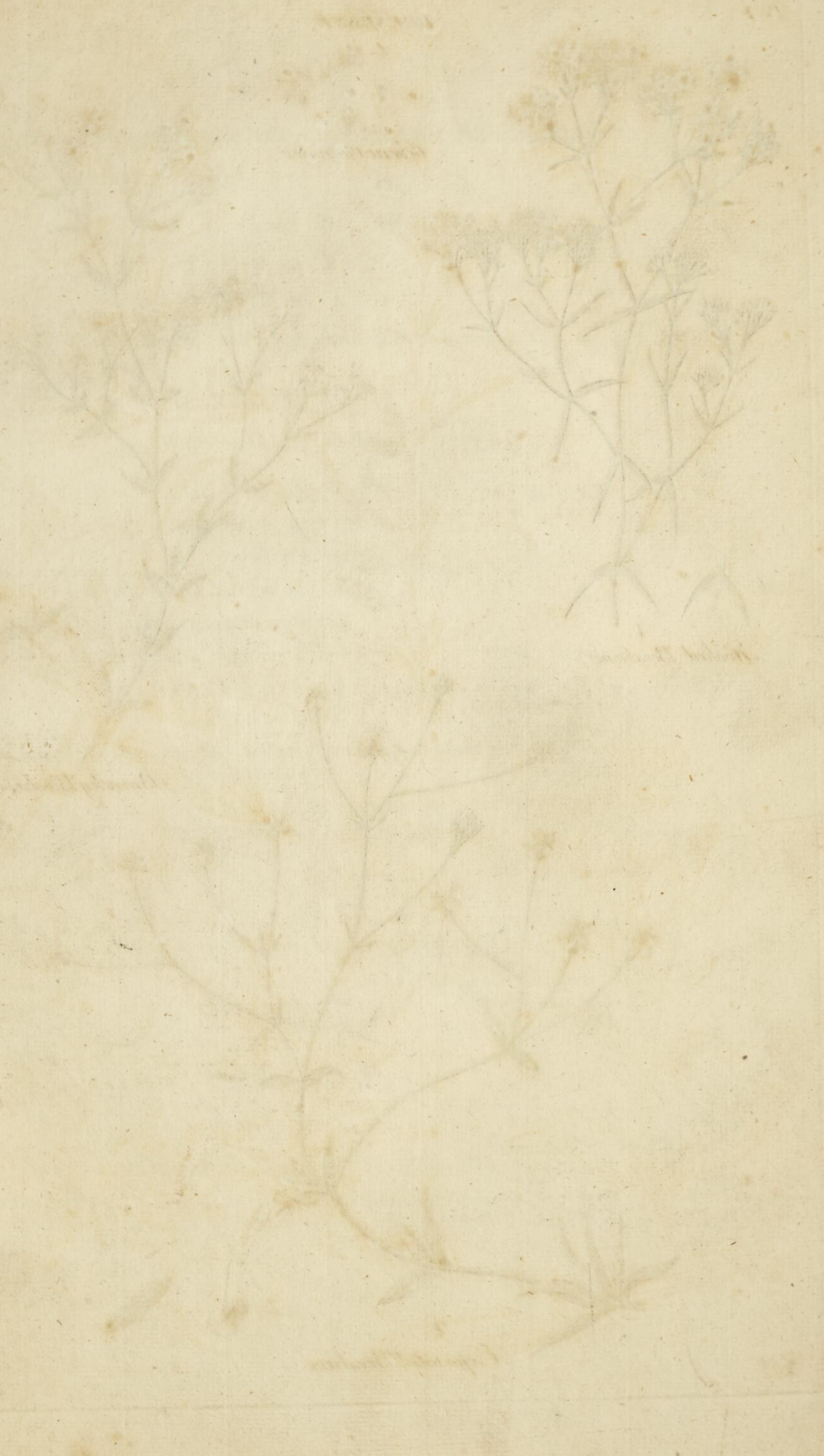
By a METHOD invented by  
COMPREHENDING  
AN ARTIFICIAL INDEX,  
AND

A NATURAL SYSTEM,  
WHICH EXHAUSTS OF ALL THE PLANTS, THEY BEING THE AUTHOR  
OF THE WHOLE FROM NATURE ONLY.

By JOHN HILL, M.D.  
MEMBER OF THE ROYAL SOCIETY, &c.

VOL. XII.  
Containing Five-erred Plants.

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MDCCLXXIII.





Generic Character



Hooked Beebane



Branchy Beebane



Expanded Beebane

Handwritten text at the bottom center of the page, possibly a library or collection stamp.

H E R B S.

C L A S S XII.

T R I B E II.

O R D E R I.

With five-leaved Flowers, and single Seed-vessels; having a Cup of one Leaf.

O R D E R VI.

With the CUP bell-shaped.

G E N U S I.

B E E S B A N E.

Plate I.

Character of the Genus.

The CUP is deeply divided into five oval Leaflets.

The FLOWER is spread: its petals are obtuse.

The CAPSULE is globular, with one Cell.

Plate I. *abcde*.

1. H O O K E D B E E S B A N E.

Plate I. Fig. 1.

Character of the Species.

The Leaves are sharp-pointed, hollowed, and hooked back; the Flowers are clustered.

*Gypsophila Aggregata.*

Fig. 1. *ab*.

THIS is a Perennial, native of France and Italy; a weak, but pretty Plant of ten inches high, flowering in July. The Stalk is of a faint green; the Leaves are of a somewhat fresher green, yet pale; the Flowers are white.

2. E X P A N D E D B E E S B A N E.

Plate I. Fig. 2.

Character of the Species.

The Leaves are lanced; the Petals are nipped away at the end.

*Gypsophila Repens.*

Fig. 2. *ab*.

THIS is a Perennial; a low, but very pretty Plant, native of Germany, Switzerland, and Siberia. It grows to a foot long, and flowers in August. The Stalk is brown; the Leaves are of a fresh and fine green; the Flowers are white, but tinged with crimson on the outside.

3. B R A N C H Y B E E S B A N E.

Plate I. Fig. 3.

Character of the Species.

The Leaves are lanced and rugged; the Petals turn back.

*Gypsophila Paniculata.*

Fig. 3. *ab*.

THIS is a Perennial, native of the mountains of Germany; a spreading Plant of a foot high, flowering in August. The Stalk is brown; the Leaves are of a dull green; the Flowers are white.

## 4. ONE-SIDE BEESBANE.

Plate 2. Fig. 1.

Character of the Species.

The Leaves stand all on one side of the Stalk.

Gypsophila Fastigiata.

Fig. 1. a b c.

THIS is a Perennial, native of the Swiss mountains; a Plant of ten inches high, flowering in July. The Stalk and Leaves are of a greyish green; the Flowers are white.

## 5. CLUSTERED BEESBANE.

Plate 2. Fig. 2.

Character of the Species.

The Leaves are linear and long; their bosoms clustery.

Gypsophila Struthium.

Fig. 2. a b c.

THIS is a Perennial, native of Spain; a Plant of a foot high, flowering in June. The Stalk is pale; the Leaves are of a faint green; the Flowers are white.

## 6. THREE-RIBBED BEESBANE.

Plate 2. Fig. 3.

Character of the Species.

The Leaves are smooth, and broad lanced, and have three high ribs.

Gypsophila Altissima.

Fig. 3. a b c.

THIS is a Perennial, native of Siberia; a robust Plant of two feet and a half high, flowering in August. The Stalk is brown; the Leaves are of a strong green; the Flowers are white.

## 7. WOOLLY BEESBANE.

Plate 2. Fig. 4.

Character of the Species.

The whole Plant is woolly; the Leaves are lanced, and three ribbed.

Gypsophila Tomentosa.

Fig. 4. a b c.

THIS is a Perennial, native of Spain; a Plant of a foot high, flowering in June. The Stalk is pale; the Leaves are of a very pale yellowish green; the Flowers are white.

## 8. DECUMBENT BEESBANE.

Plate 2. Fig. 5.

Character of the Species.

The Stalk lies down; the Leaves are lanced, and smooth; the Petals rise.

Gypsophila Prostrata.

Fig. 5. a b c.

THIS is a Perennial, native of the Alps; a Plant of five inches long, flowering in August. The Stalk is brown; the Leaves are of a pleasant though pale green; the Flowers are white.



1  
One side  
Beesbane



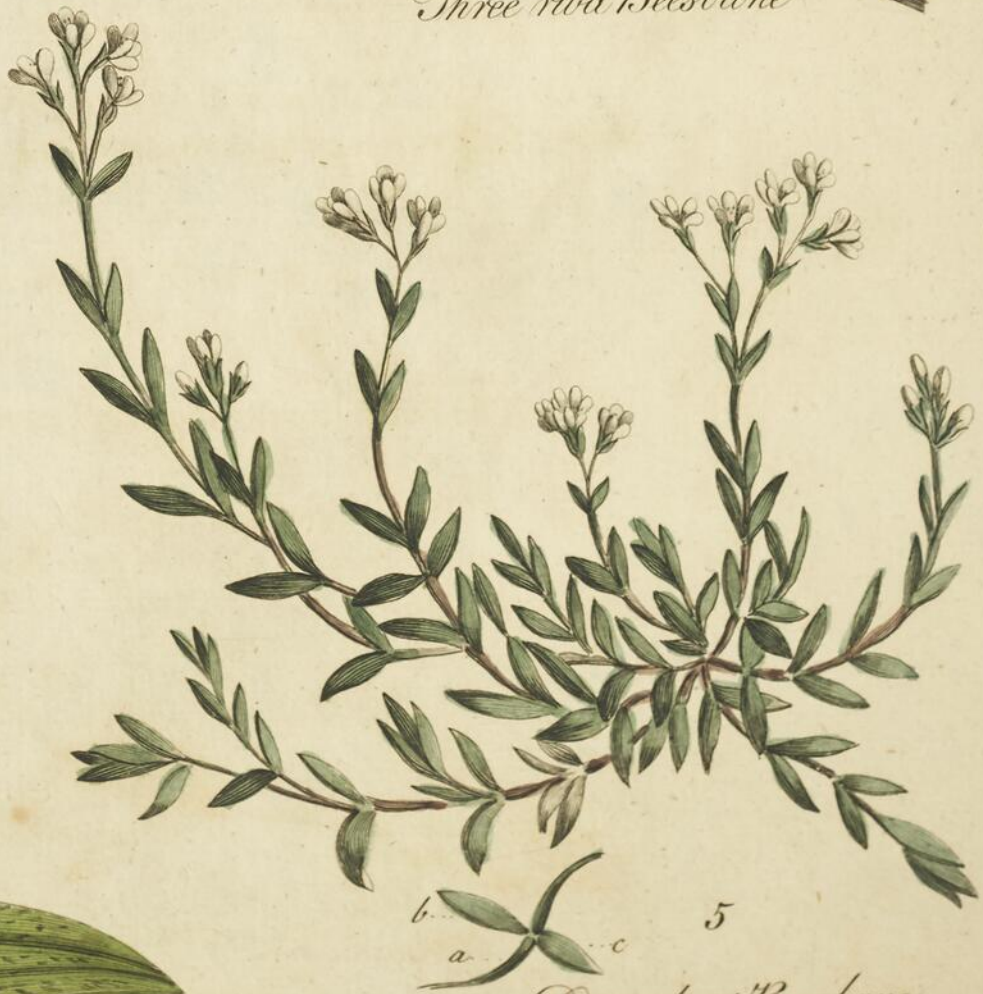
2  
Clustered Beesbane



3  
Three ribbed Beesbane



4  
Woolly Beesbane



5  
Decumbent Beesbane





3



1  
*Perfoliate Beesbane*



2  
*Hard Beesbane*



3  
*Wall Beesbane*



4  
*Breakstone Beesbane*

## 9. PERFOLIATE BEESBANE.

Plate 3. Fig. 1.

Character of the Species.

*Gypsophila Perfoliata.*

The Leaves are oval, sharp-pointed, and half enclose the Stalk. Fig. 1. *a b.*

THIS is a Biennial, native of Spain and of the East; a very noble Plant of its kind, rising to two feet and a half high, and flowering in July. The Stalk is of a greyish green, tinged with brown; the Leaves are of a fine and full green, but with a greyish tinge; the Flowers are innumerable, and white, with crimson backs and crimson buds.

## 10. HARD BEESBANE.

Plate 3. Fig. 2.

Character of the Species.

*Gypsophila Rigida.*

The Leaves are narrow, lanced, and flat; the Stalk is forked; the Petals are niped. Fig. 2. *a b c.*

THIS is a Perennial; a very pretty little Plant, native of France, flowering in June. The Stalk is weak, brownish, and six inches long; the Leaves are of a pale yellowish green; the Flowers are rose-coloured.

## 11. WALL BEESBANE.

Plate 3. Fig. 3.

Character of the Species.

*Gypsophila Muralis.*

The Leaves are linear, and flat; the Footstalks leafless; the Stalk is forked; and the Petals are niped. Fig. 3. *a b c.*

THIS is an Annual, native of Germany and other northern parts of Europe; a Plant of eight inches high, flowering in August. The Stalk is green; the Leaves are of a dull and dirty green; the Flowers are pink-coloured.

## 12. BREAKSTONE BEESBANE.

Plate 3. Fig. 4.

Character of the Species.

*Gypsophila Saxifraga.*

The Cup is angulated, and has two short scales at its base; the Petals are dented. Fig. 4. *a b c.*

THIS is a Perennial, native of France and Germany; a weak, but elegant Plant of seven inches high, flowering in August. The Stalk is greyish; the Leaves are of a faint and blueish green; the Flowers are pale red, and have an air of little pinks.

G E N U S

## GENUS II.

## SILK COTTON.

Plate 4.

Character of the Genus.

The CUP is thick, and has five short upright segments.

The FLOWER spreads open, and its petals are vast, waved, and hollowed.

The CAPSULE is oblong, swollen, and has five Cells.

Plate 4. *abcde.*

## 1. NAKED SILK COTTON.

Plate 4. Fig. 1.

Character of the Species.

Bombax Pentandra.

The Stalk has no thorns; the Leaves grow eight or ten on a footstalk.

Fig. 1. *ab.*

THIS is a shrubby Plant, native of the East Indies: it grows to eight feet high, and flowers in July. The Stem is brown; the young Shoots are pale green; the Leaves are of a light, but very lively green; the Flowers are white on red footstalks.

## 2. THORNY SILK COTTON.

Plate 4. Fig. 2.

Character of the Species.

Bombax Ceiba.

The Leaves grow by fives, and the Stalks are thorny.

Fig. 2. *ab.*

THIS is a shrubby Plant, native of the East and West Indies: it grows to ten feet high, and flowers in August. The Stem is brown; the young Shoots are of a dusky green; the Leaves are of a very fine fresh green, and the Flowers crimson.

## 3. SEVEN-LEAVED SILK COTTON.

Plate 4. Fig. 3.

Character of the Species.

Bombax Heptaphyllum.

The Leaves grow by sevens; the Stalk is naked.

Fig. 3. *ab.*

THIS is also a shrubby Plant, native of the West Indies: it grows to eight feet high, and flowers in August. The Stem is of a reddish brown; the young Shoots are of a greyish green; the Leaves are of a blue green; the Flowers are of a pale rose colour.

GENUS



Generic Character



1 Naked Silk Cotton



2 Thorny Silk Cotton



3 Seven-leaved Silk Cotton







*Elevated Betonic Mallow*



*Close flower'd Betonic Mallow*



*Narrow Betonic Mallow*

## G E N U S III.

## B E T O N I C M A L L O W.

Plate 5.

Character of the Genus.

The CUP is cut into five very slender, erect segments.

The FLOWER spreads open with hearted Petals.

The CAPSULE is oval, and has only one Cell.

Plate 5, a b c d e.

## 1. ELEVATED BETONIC MALLOW.

Plate 5. Fig. 1.

Character of the Species.

Waltheria Americana.

The Leaves are oval, plaited, and ferrated; the heads of Flowers stand on Footstalks.

Fig. 1. a b c.

THIS is a Perennial, native of the Bahama Islands and Surinam; a Plant of four feet high, flowering in June. The Stem is woody and brown; the young Shoots are pale green; the Leaves are of a light and very pleasing green; the Flowers are yellow.

## 2. CLOSE-FLOWERED BETONIC MALLOW.

Plate 5. Fig. 2.

Character of the Species.

Waltheria Indica.

The Leaves are oval, folded, and ferrated; the heads of Flowers have no Footstalks.

Fig. 2. a b c.

THIS is a Perennial; a woody Plant, of five feet high, native of the East and West Indies, and flowers in July. The Stem is of a pale brown; the Leaves and young Shoots are of a blueish green; the Flowers are yellow.

## 3. NARROW BETONIC MALLOW.

Plate 5. Fig. 3.

Character of the Species.

Waltheria Angustifolia.

The Leaves are lanced and ferrated; the heads of Flowers stand on Footstalks.

THIS is a Perennial woody Plant, native of the West Indies: it grows to five feet high, and flowers in August. The Stem is of a coarse and dusky brown; the young Shoots are pale; the Leaves are of a somewhat yellowish green; the Flowers are yellow.

## GENUS IV.

## CISTWORT.

Plate 6.

Character of the Genus.

The CUP is deciduous, and is cut into five narrow segments.

The FLOWER spreads: its Petals are hearted with a point.

The CAPSULE is egg-shaped, with one Cell.

## 1. GREAT CISTWORT.

Plate 6. Fig. 1.

Character of the Species.

Turnera Ulmifolia.

The Leaves are lanced, and have glands at the base.

Fig. 1. *ab*.

THIS is a Perennial, native of the West Indies; a woody Plant of four feet high, flowering in June. The Stem is of a ruddy brown; the Leaves are of a fresh and fine green; the young Shoots are greenish; and the Flowers are yellow.

## 2. LITTLE CISTWORT.

Plate 6. Fig. 2.

Character of the Species.

Turnera Pumila.

The Leaves are oval, and have no glands at the base.

Fig. 2. *ab*.

THIS is an Annual, native of Jamaica; a pretty little Plant, scarce half a foot high, flowering in August. The Stalk is brown; the Leaves are of a strong green, with a light hairiness; the Flowers are yellow.

## 3. SILVER CISTWORT.

Plate 6. Fig. 3.

Character of the Species.

Turnera Cistoides.

The Leaves are lanced and dented; the Flowers have Footstalks.

THIS is an Annual, native of the West India islands; a Plant of five inches high, flowering in July. The Stalk is of a pale green; the Leaves are of a fresh green on the upper side, and silvery white underneath; the Flowers are of a fine yellow.

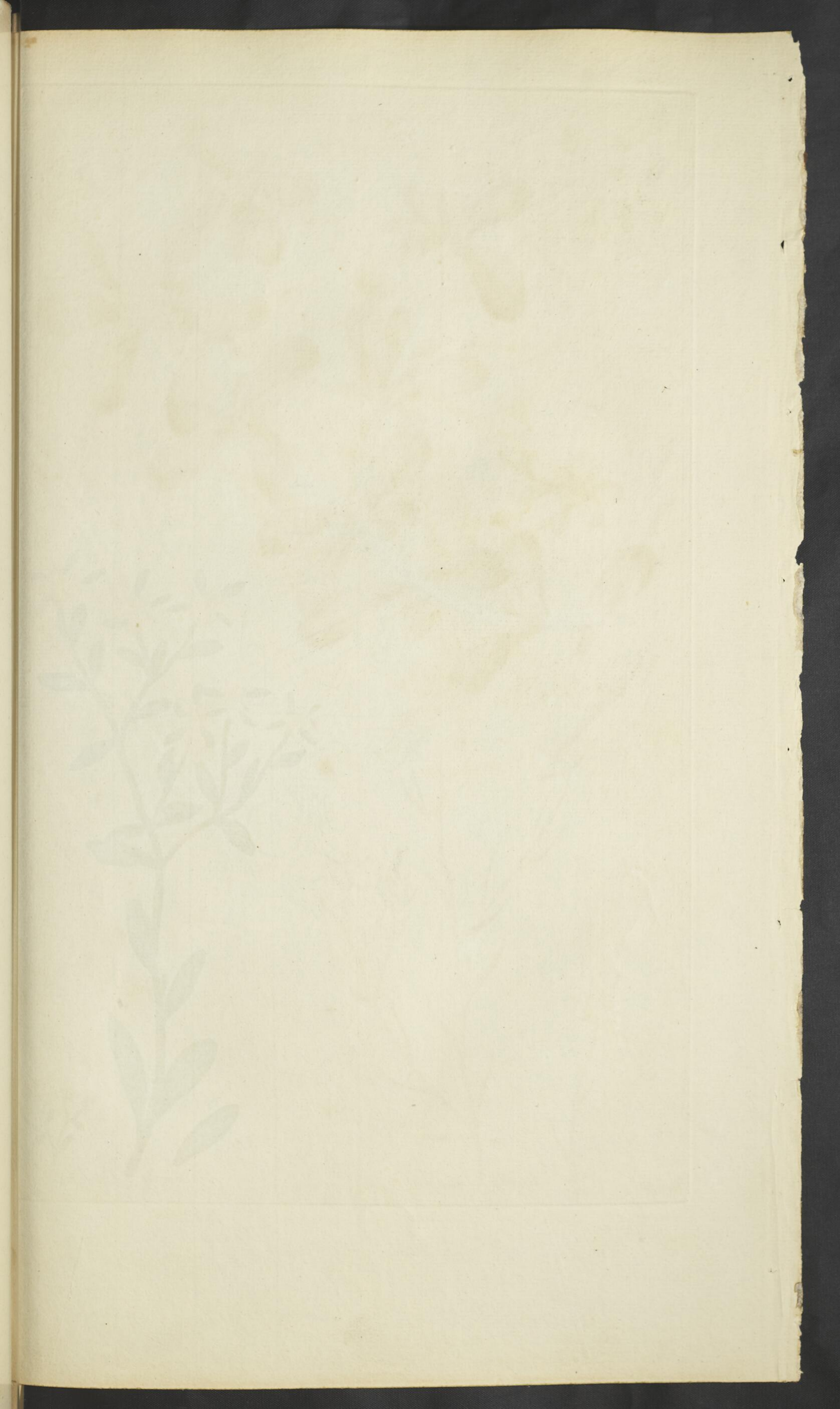


Little Cistwort 2

Great Cistwort

Silver Cistwort 3







*Common Purslain*



*Woolly Purslain*



*Branchy Purslain*

Vol 14

## O R D E R VII.

Having the CUP split.

## G E N U S I.

## P U R S L A I N.

Plate 7.

Character of the Genus.

The CUP has its segments oval, and stand upon the Capsule.

The FLOWER is hollowed, and its Petals are egg-shaped.

The CAPSULE is oval, with one Cell.

Plate 7. *a b c d e*.

## 1. COMMON PURSLAIN.

Plate 7. Fig. 1.

Character of the Species.

Portulaca Oleracea.

The Leaves are wedge-shaped; the Flowers have no Footstalks. Fig. 1. *a b*.

THIS is an Annual, native of the East Indies, and of some parts of the West; and long familiar in our kitchen gardens: it grows to a foot long, and flowers in August. The Stalk is thick and red; the Leaves are fleshy, and of a fine glossy green; the Flowers are small and yellow.

## 2. WOOLLY PURSLAIN.

Plate 7. Fig. 2.

Character of the Species.

Portulaca Pilosa.

The Leaves are awl-shaped; woolly in their bosoms.

THIS is an Annual, native of the West Indies; a very singular Plant of eight or ten inches high, flowering in June. The Stalk is weak and pale; the Leaves are of a fresh green; the Flowers are pale yellow.

## 3. BRANCHY PURSLAIN.

Plate 7. Fig. 3.

Character of the Species.

Portulaca Halimoides.

The Leaves are oblong and fleshy; the Flowers have no Footstalks. Fig. 3. *a b*.

THIS is an Annual, native of Jamaica; a Plant of eight inches high, flowering in June. The Stalk is pale and tender; the Leaves are fleshy, and of a blueish green; the Flowers are numerous, large, and yellow.

## 4. ARPINE

## 4. ARPINE PURSLAIN.

Plate 8. Fig. 1.

Character of the Species.

Portulaca Anacamperos.

The Leaves are oval, and swollen; the Stem is woody; the Flowers are spiked.

Fig. 1. a b c.

THIS is a woody Plant, native of the Cape of Good Hope: it grows to a foot and a half long, and flowers in June. The Stem is of a ruddy brown; the Leaves are fleshy, and of a blue green; spotted prettily with black; the Flowers are numerous, large, and of a very beautiful crimson.

## 5. TRIANGULAR PURSLAIN.

Plate 8. Fig. 2.

Character of the Species.

Portulaca Racemosa.

The Flower-stem is triangular; the Leaves are egg-shaped.

Fig. 2. a b.

THIS is a Perennial, native of the sea-coasts in South America: it grows to a foot and a half high, and flowers in August. The Stem is woody; the young Shoots of a greyish green; the Leaves are thick, and of a blueish green; the Flowers are yellow.

## 6. MANY-FLOWERED PURSLAIN.

Plate 8. Fig. 3.

Character of the Species.

Portulaca Paniculata.

The Leaves are elliptic, and nipped at the end; the Flower-stalks spread.

Fig. 3. a b.

THIS is a Perennial, native of the sea-coasts of South America; a Plant of a foot and a half high, flowering in June. The Stem is hard and brown; the Stalks are of a pale green; the Leaves are of a light and somewhat yellowish green; the Flowers are white.

Pa 8

PURSLAIN  
2

Pl 8



1  
*Orpine Purslain*



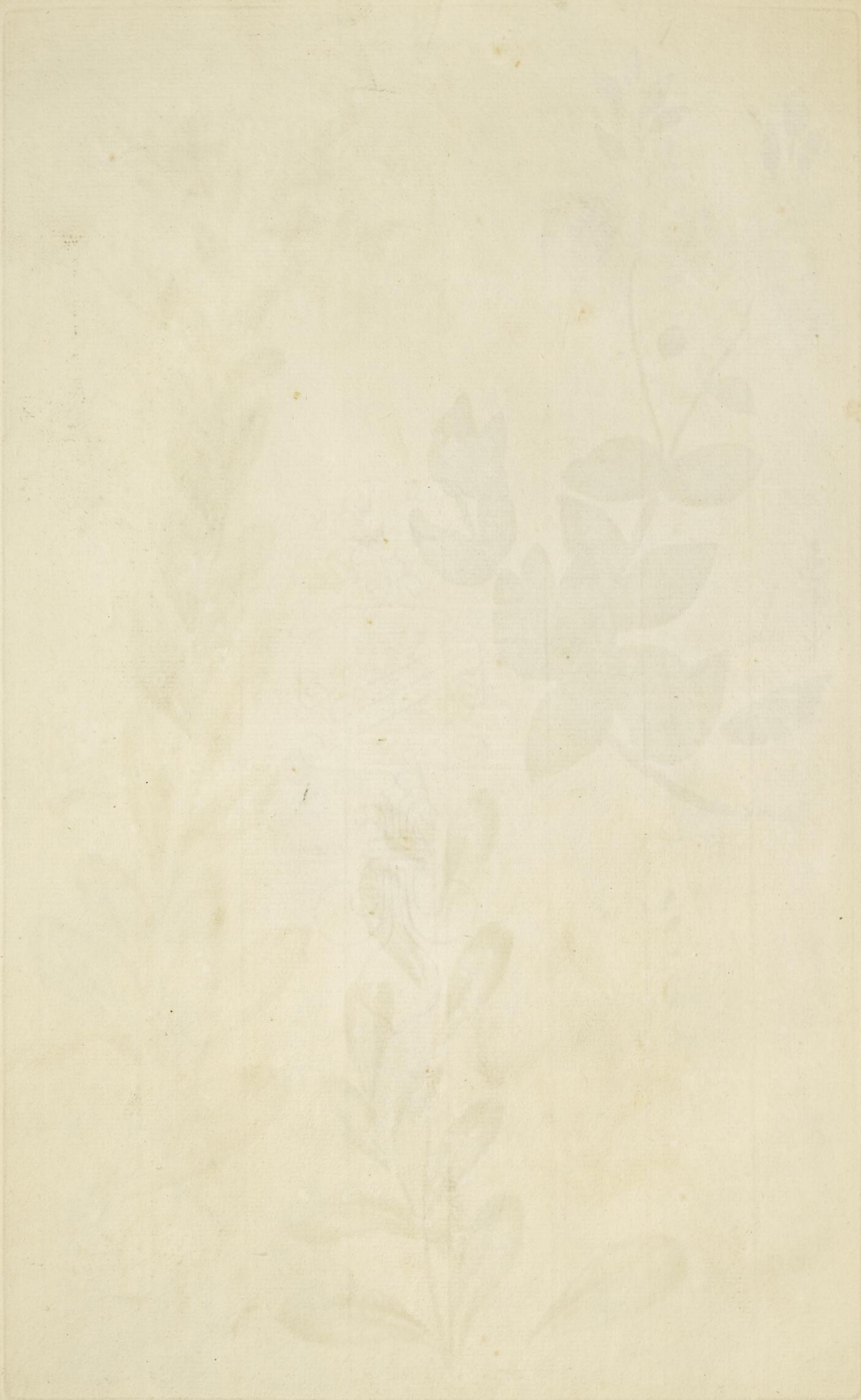
3  
*Many flower'd Purslain*



2  
*Triangular Purslain*



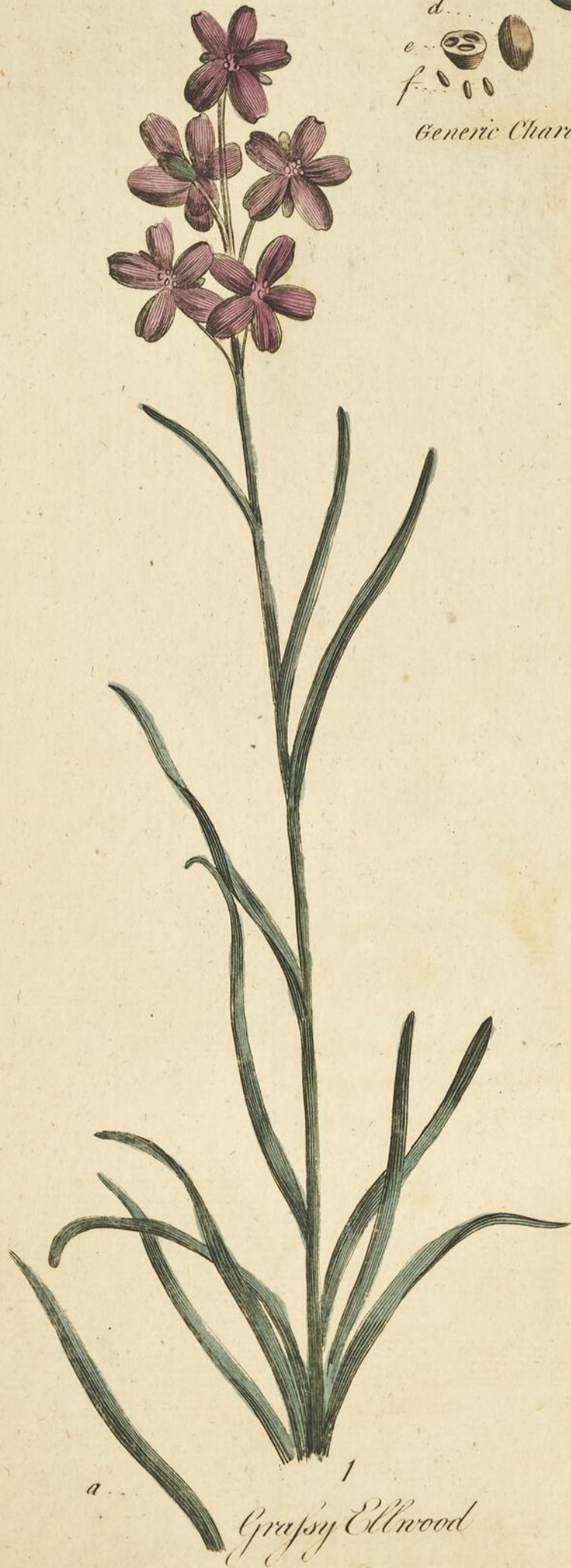
Vol 14







Generic Character



1  
Grassy Ellwood



2  
Oval Ellwood

HERBS

With five leaved Flowers, and single Capsules.

ARRANGEMENT the SECOND.

Having the Cup of two Leaves.

GENUS I.

ELLWOOD.

Plate 9.

Character of the Genus:

The CUP has two oval, expanded Leaves.

The FLOWER spreads open, and its Petals are elliptic, and niped.

The CAPSULE is oval, with three Seeds.

Plate 9. *abcd.*

1. GRASSY ELLWOOD.

Plate 9. Fig. 1.

Character of the Species.

The Leaves are linear.

Clatonia Virginica.

Fig. 1. *a.*

THIS is a Perennial, native of Virginia; a tender and weak, but very elegant Plant, of ten inches high, flowering in May. The Stalk is of a faint green, tinged with brown; the Leaves are of a fresh, but somewhat greyish green; the Flowers are of a very delicate, but very pale crimson.

2. OVAL ELLWOOD.

Plate 9. Fig. 2.

Character of the Species.

The Leaves are oval.

Claytonia Sibirica.

Fig. 2. *a.*

THIS is a Perennial, native of Siberia; a very pretty Plant of about a foot high, flowering in July. The Stalk is pale; the Leaves are of a yellowish green; the Flowers are of an exceeding pale rose-colour.

## ARRANGEMENT the THIRD.

Having the Cup of three Leaves.

## GENUS I.

## LOVELEAF.

Plate 10.

Character of the Genus.

The CUP is of three lanced, sharp-pointed, permanent Leaves.

The FLOWER is of five narrow, lanced, sharp-pointed, permanent Petals; with five bearded glands within.

The CAPSULE is roundish, with three cells: in each is one round Seed.

Plate 10. *abcde.*

## 1. CRIMSON LOVELEAF.

Plate 10. Fig. 1.

Character of the Species.

*Achyranthes Sanguinolenta.*The Stalk is erect, without branches; the Spikes are soft; the Leaves are lanced. Fig. 1. *abc.*

THIS is a Perennial, native of the East Indies; a tall, stately, and wonderfully handsome Plant. It grows to five feet high, and flowers in August. The Stalk is tinged with a ruddy brown; the Leaves are of a fine green on the upper side, and crimson underneath; the Flowers are of a yellowish green, tinged with crimson.

## 2. BRANCHY LOVELEAF.

Plate 10. Fig. 2.

Character of the Species.

*Achyranthes Muricata.*The Stalk is branchy and spreading; the Leaves are oval and alternate; the clusters of Flowers are roundish, and stand distant in the Spikes. Fig. 2. *abc.*

THIS is a Perennial, native of the East Indies; a woody Plant of two or three feet high, flowering in August. The Stem is olive-coloured; the Leaves are of a faint, but pleasing green; the Flowers are pale red.

## 3. SLENDER LOVELEAF.

Plate 10. Fig. 3.

Character of the Species.

*Achyranthes Aspera.*The Stalk is erect; the Flowers hang down; the Leaves are egg-shaped. Fig. 3. *abc.*

THIS is a Perennial, native of the East and West Indies, and of the South of Europe; a handsome Plant of two feet high, flowering in July. The Stalk is pale; the Leaves are of a faint green; the Flowers are pale green, dashed with crimson.

## 4. BURY

LOVELEAF.

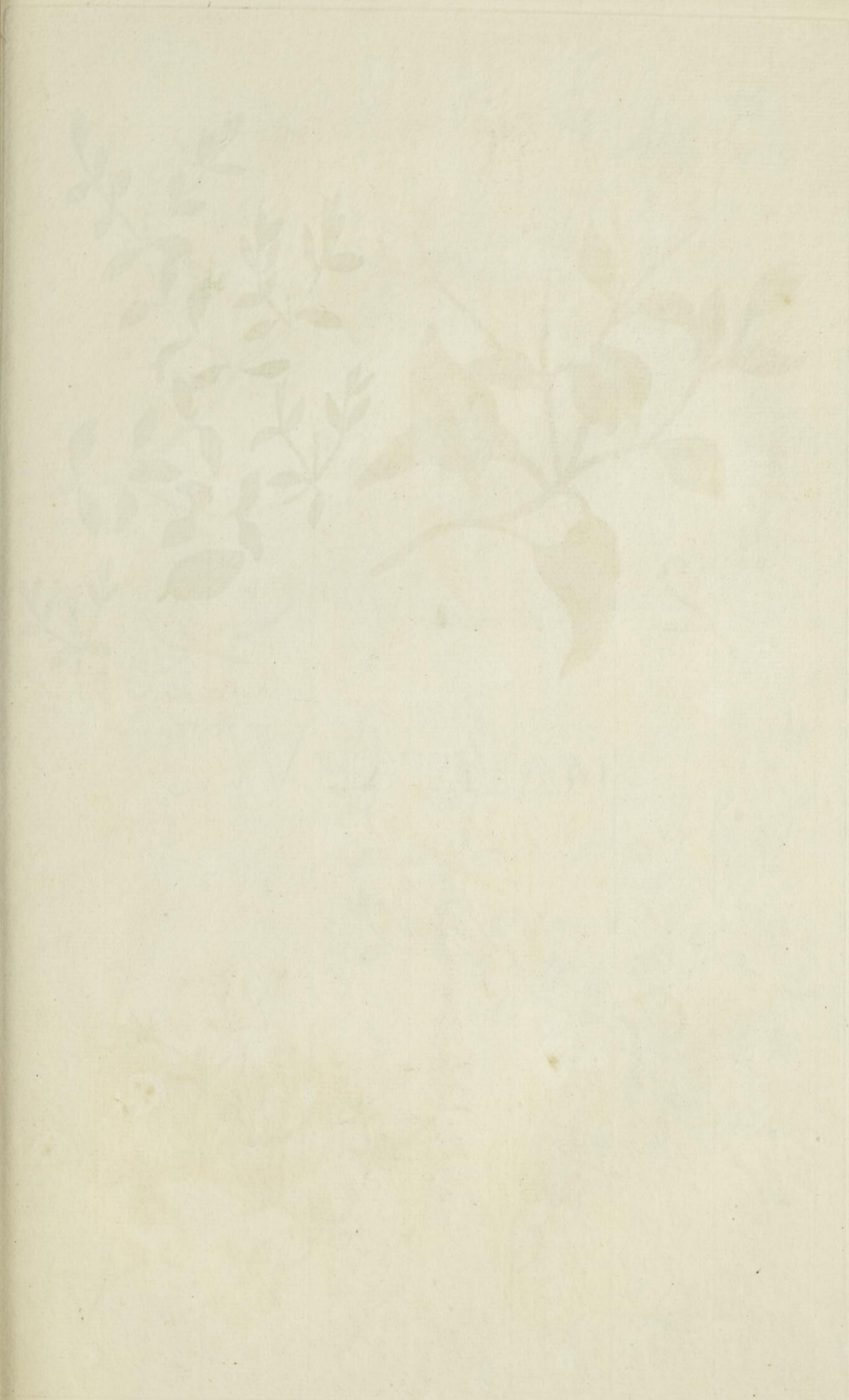


Branchy Loveleaf

Slender Loveleaf

Crimsons Loveleaf





2



Burry Lovelace



Decumbent Lovelace



Woolly Lovelace



Haresfoot Lovelace



a



b



c

## 4. B U R R Y L O V E L E A F.

Plate 11. Fig. 1.

Character of the Species.

Achyranthes Lappacea.

The Stalk spreads; the Spikes consist of tufts of Flowers by threes, with hooked films.

Fig. 1. *abc*.

THIS is a Perennial, native of the East Indies; a scrambling Plant of four feet high, flowering in June. The Stalk is brownish; the Leaves are of a fine fresh green; the Flowers pale red.

## 5. D E C U M B E N T L O V E L E A F.

Plate 11. Fig. 2.

Character of the Species.

Achyranthes Prostrata.

The Stalk lies on the ground; the Leaves are broad lanced; the Flowers have hooked tufts, and stand in oblong spikes by twos.

Fig. 2. *abc*.

THIS is a Perennial, native of the East Indies; a weak and small, but very beautiful Plant, flowering in June. The Stalk is red; the Leaves are of a pale green, usually edged with red; the Flowers are of a mixed whitish green, and crimson.

## 6. W O O L L Y L O V E L E A F.

Plate 11. Fig. 3.

Character of the Species.

Achyranthes Lanata.

The Stalk lies on the ground; the Spikes rise from the bosoms of the Leaves, and are oval, and their Cups are woolly.

Fig. 3. *abcd*.

THIS is a Perennial, native of the East Indies; a little inconsiderable trailing Plant of four or five inches long, flowering in July. The Stalk is whitish; the Leaves are of a pale whitish green; the Flowers are white.

## 7. H A R E S F O O T L O V E L E A F.

Plate 11. Fig. 4.

Character of the Species.

Achyranthes Corymbosa.

The Leaves are linear, and in pairs; the Stalks are forked.

Fig. 4. *ab*.

THIS is a Biennial, native of Ceylon; a Plant of four or five inches high, flowering in June. The Stalk is of a ruddy brown; the Leaves are of a fresh green; the Flowers are pale, with a dash of crimson.

## G E N U S II.

## F E A T H E R F L O W E R.

Plate 12.

Character of the Genus.

The CUP has its Leaves dry, chaffy, lanced, and permanent.

The FLOWER is dry, and feathery; its Petals are lanced.

The CAPSULE has an even ring furrounding it.

Plate 12. *abcd*.

## 1. SILVER FEATHERFLOWER.

Plate 12. Fig. 1.

Character of the Species.

*Celofia Argentea.*

The Leaves are lanced; the Films are hooked; the Flowerstalks are angulated.

Fig. 1. *abc.*

THIS is an Annual, native of China; a very beautiful and noble Plant: it grows to three feet high, and flowers in June. The Stalk is of a pale green; the Leaves are of a bright glossy green; the Flowers are clustered, white, and elegant.

## 2. COXCOMB FEATHERFLOWER.

Plate 12. Fig. 2.

Character of the Species.

*Celofia Cristata.*

The Leaves are oblong, oval, wavy, and turned down; the Flowers are clustered and crested.

Fig. 2. *abc.*

THIS is an Annual, native of the East Indies; a very elegant and gorgeous Plant of three feet high, flowering in July. The Stalk is pale; the Leaves are of a very fine green, sometimes tinged with crimson; the Flowers form a vast and beautiful crested, broad, crimson spike.

## 3. MIXED FEATHERFLOWER.

Plate 12. Fig. 3.

Character of the Species.

*Celofia Margaritacea.*

The Leaves are oval; the Flowerstalk is ribbed; the Films are hooked.

Fig. 3. *abc.*

THIS is an Annual, native of South America; a very fine and noble Plant of four feet high, flowering in June. The Stalk is of a greyish green; the Leaves are of a faint, but pleafant green; the Flowers are of a mixed white and crimson.

## 4. WAVY



Generic Character



Silver Feather flower



Coxcomb Feather flower



Mixed Feather flower





*Malva sylvestris*

*Malva sylvestris*

2



*Veiny Feather-flower*

*Wavy Feather-flower*

4. WAVY FEATHERFLOWER:

Plate 13. Fig. 1.

Character of the Species.

*Celofia Coccinea.*

The Leaves are oval and thick; the Stalk is furrowed; the crest turns down.

Fig. 1. *abc.*

THIS is an Annual, native of the East Indies; an elegant Plant of two feet and a half high, flowering in August. The Stalk is of a coarse and dull green; the Leaves are of a dead blueish green, but often stained with red or yellow; the Flowers are crimson, sometimes flesh-coloured; or yellow.

5. VEINY FEATHERFLOWER.

Plate 13. Fig. 2.

Character of the Species.

*Celofia Castrensis.*

The Leaves are broad lanced, with very sharp points, and veined with crimson below; the crest is broad and plain.

Fig. 2. *abc.*

THIS is an Annual, native of the East Indies; a Plant of great elegance and beauty: it grows to a yard high, and flowers in August. The Stalk is of a faint green, often ridged with crimson; the Leaves are of a fine fresh green; the Flowers are of a bright, glowing and glossy crimson.

## 6. DIVIDED FEATHERFLOWER.

Plate 14. Fig. 1.

Character of the Species.

Celosia Paniculata.

The Stalk leans; the Leaves are oblong oval; the spike is divided into distant parts.

Fig. 1. a b c.

THIS is an Annual, native of Jamaica; a weak Plant of two feet or more in length, but lying partly on the ground: it flowers in August. The Stalk is of a greyish green; the Leaves are of a pale, but pleasing green; the Flowers are white.

## 7. WOOLLY FEATHERFLOWER.

Plate 14. Fig. 2.

Character of the Species.

Celosia Lanata.

The Leaves are lanced, obtuse, and woolly; the crest is loose.

Fig. 2. a b.

THIS is an Annual, native of Ceylon; a Plant of two feet and a half high, flowering in June. The Stalk is of a greyish green; the Leaves are whitish; the Flowers are white; sometimes red, sometimes orange-coloured.

## 8. ROUND FEATHERFLOWER.

Plate 14. Fig. 3.

Character of the Species.

Celosia Nodiflora.

The spikes are globular, and stand in the bosoms of the Leaves.

Fig. 3. a b.

THIS is an Annual, native of Ceylon; a Plant of a foot and a half high; the poorest of its kind; flowering in August. The Stalk is brownish; the Leaves are of a faint green; the Flowers are white.

ARRANGE-

3

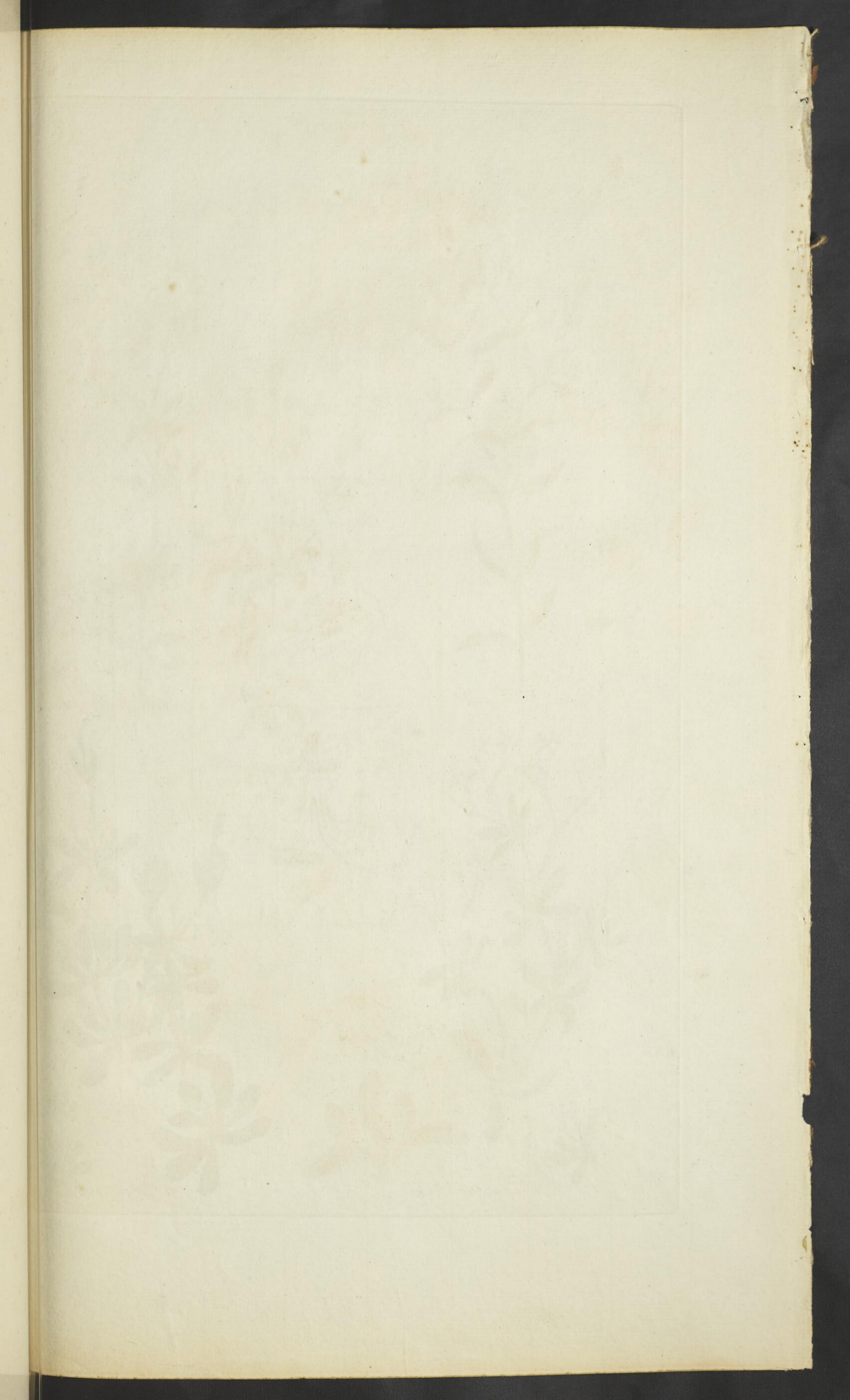


Woolly Feather flower

Round Feather flower

Divided Feather flower







Generic Character



1  
Pair'd Mollweed



2  
Tender Mollweed



3  
Five leaved Mollweed



4  
Spurrey Mollweed



5  
Whorley Mollweed

THE VEGETABLE SYSTEM. 15  
ARRANGEMENT the FOURTH.

Having a five-leaved CUP.

GENUS I.

MOLLWEED.

Plate 15.

Character of the Genus.

The CUP is coloured, and its segments stand up.

The FLOWER is smaller than the Cup, and its Petals are oval.

The CAPSULE is oval, with three Cells.

Plate 15. a b c d e.

1. PAIRED MOLLWEED.

Plate 15. Fig. 1.

Character of the Species.

Mollugo Oppositifolia.

The Leaves are lanced, and stand in pairs; the Flowers are clustered, but only one upon a footstalk.

Fig. 1. a b c.

THIS is an Annual, native of Ceylon; a poor and weak little Plant of ten inches, flowering in June. The Stalk is brown; the Leaves are of a dead green; the Flowers are white.

2. TENDER MOLLWEED.

Plate 15. Fig. 2.

Character of the Species.

Mollugo Stricta.

The Leaves are linear, and stand naturally in fours: the Flowers spread wide.

Fig. 2. a b.

THIS is an Annual, native of the East Indies; a poor Plant of eight inches, flowering in August. The Stalk is of a dull green; the Leaves are of a coarse full green; the Flowers are white.

3. FIVE-LEAVED MOLLWEED.

Plate 15. Fig. 3.

Character of the Species.

Mollugo Pentaphylla.

The Leaves are oval, and stand by fives; the Flowers spread.

THIS is an Annual, native of Ceylon; it grows to seven inches high, and flowers in June. The Stalk is green; the Leaves are of a strong and fine green; the Flowers are white.

4. SPURREY MOLLWEED.

Plate 15. Fig. 4.

Character of the Species.

Mollugo Spergula.

The Leaves are oblong, and stand in fives; the Branches rise alternate.

Fig. 4. a b.

THIS is an Annual; a weak and poor Plant, native of the East Indies; it grows to ten inches long, and flowers in August. The Stalk is of a dull green, tinged with brown; the Leaves are of a coarse green; the Flowers are white.

5. WHORLY MOLLWEED.

Plate 15. Fig. 5.

Character of the Species.

Mollugo Verticillata.

The Stalk leans: the Leaves are wedge-shaped with a point, and surround the Stalk by sevens: the Flowers grows one upon a Stalk.

Fig. 5. a b c.

THIS is an Annual, native of Virginia; a weak little Plant of eight inches, flowering in August. The Stalk is tinged with brown; the Leaves are of a fine strong green; the Flowers are white.

GENUS

## GENUS II.

## CHICKENWEED.

Plate 16.

Character of the Genus.

The CUP has its Leaves hollowed.

The FLOWER is larger than the Cup.

The CAPSULE is oval, with one Cell.

## 1. BRISTLY CHICKENWEED.

Plate 16. Fig. 1.

Character of the Species.

Alfne Mucronata.

The Leaves are bristly; the Cups are pointed; the Petals are entire.

Fig. 1. *abc.*

THIS is an Annual, native of Switzerland; a Plant of eight inches high, flowering in July. The Stalk is brownish; the Leaves are of a strong green; the Flowers are white

## 2. TREADY CHICKENWEED.

Plate 16. Fig. 2.

Character of the Species.

Alfne Segetalis.

The Leaves are tready, and stand on one side; the Flowers have undivided Petals.

Fig. 2. *ab.*

THIS is an Annual, native of France; a little singular Plant of ten inches high, flowering in August. The Stalk is green, with pale brown Films; the Leaves are of a faint green; the Flowers are white.

## 3. COMMON CHICKENWEED.

Plate 16. Fig. 3.

Character of the Species.

Alfne Media.

The Leaves are oval; the Petals are split.

Fig. 3. *ab.*

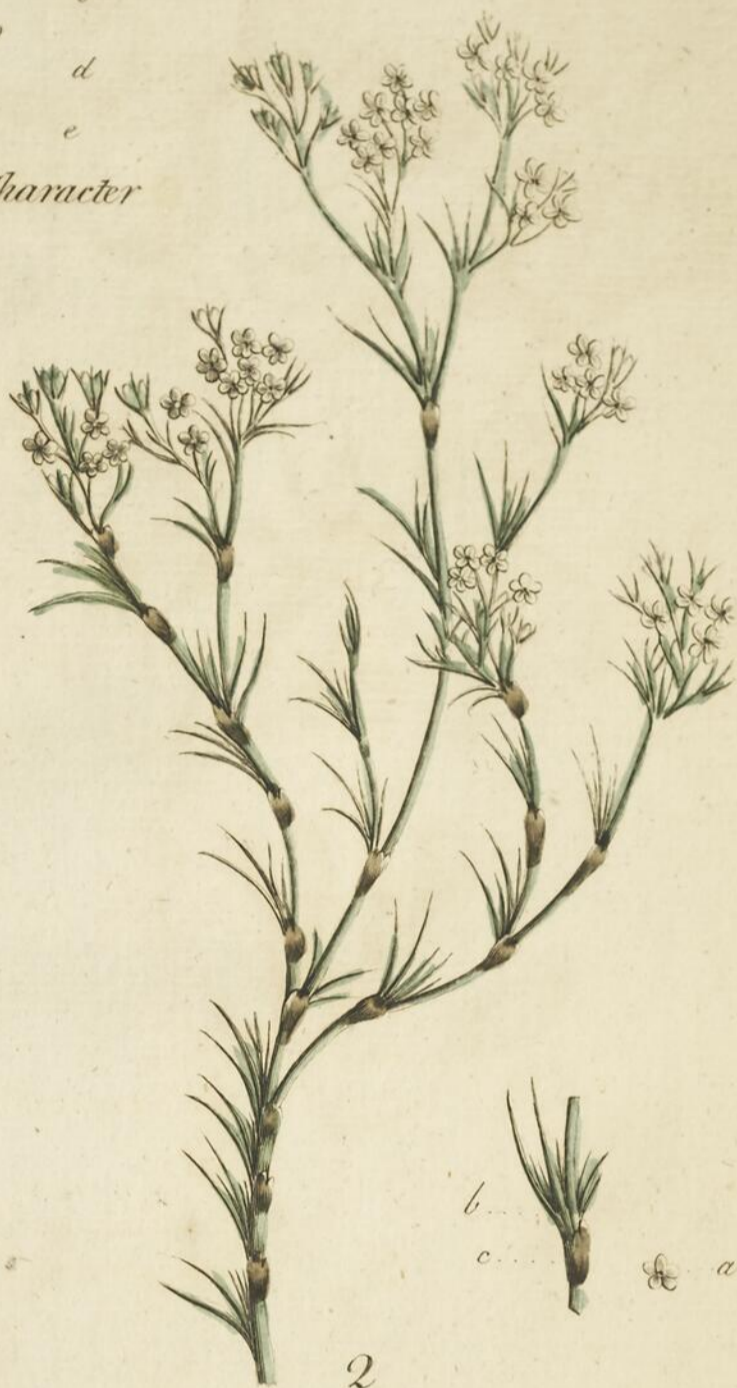
THIS is an Annual, native of waste grounds, and gardens, the most fruitful of all weeds. It grows to six inches high, and flowers all summer; the Stalk and Leaves are of a good green; the Flowers are white.

GENUS

c b  
a o d  
e  
Generic Character



*Bristly Chickenweed*



*Threaded Chickenweed*



*Common Chickenweed*







*Purstain leaved Bean Caper*



*Generic Character*



*Crimson Bean Caper*



*Club leaved Bean Caper*

## G E N U S III.

## B E A N C A P E R.

Plate 17.

Character of the Genus.

The C U P has its Leaves hollow, obtuse, and erect.

The F L O W E R is larger than the Cup; its petals are niped; and there is a ten-leaved gland placed round the germ.

The C A P S U L E is oblong, and pentangular, and has five Cells.

Plate 17. *a b c d e.*

## I. P U R S L A I N - L E A V E D B E A N C A P E R.

Plate 17. Fig. 1.

Character of the Species.

*Zygophyllum Fabago.*

The Leaves have footstalks, and are egg-shaped.

Fig. 1. *a b.*

THIS is a Perennial, native of Africa; a Plant of a foot high, flowering in July. The Stalk is brown and woody at the base; tender and pale green upwards; the Leaves are of a strong green; the Flowers are white.

## 2. C R I M S O N B E A N C A P E R.

Plate 17. Fig. 2.

Character of the Species.

*Zygophyllum Coccineum.*

The Leaves are fleshy and linear, and have footstalks.

Fig. 2. *a b.*

THIS is a Perennial, native of Africa; a pretty Plant of a foot and half high, flowering in August. The Stem is brown; the Shoots are of a pale green; the Leaves are of a bright, fair green; the Flowers are crimson.

## 3. C L U B - L E A V E D B E A N C A P E R.

Plate 17. Fig. 3.

Character of the Species.

*Zygophyllum Album.*

The Leaves are club-shaped, and fleshy, and have footstalks.

Fig. 3. *a b.*

THIS is a Perennial, native of Africa; a Plant of a foot high, flowering in June. The Stem is brown; the Shoots are whitish; the Leaves are of a blueish green; the Flowers are white.

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F

4. GREAT

## 4. GREAT BEAN CAPER.

Plate 18. Fig. 1.

Character of the Species.

*Zygophyllum Morgfana.*

The Stem is woody; the Leaves are egg-shaped, and have very short footstalks.

Fig. 1. a b.

THIS is a Perennial; a woody Plant, native of Æthiopia: it grows to two feet and a half high, and flowers in July. The Stem is woody, and greyish; the Shoots are of a greyish green; the Leaves are blue green, and the Flowers are yellow.

## 5. EDGED BEAN CAPER.

Plate 18. Fig. 2.

Character of the Species.

*Zygophyllum Sessilifolium.*

The Leaves are elliptic, and have no footstalks, but have a rugged edge.

Fig. 2. a b.

THIS is a Perennial, a woody Plant, native of Æthiopia: it grows to a foot and half high, and flowers in August. The Stalk is of a brownish green; the Leaves are of a bright green, with a brown rugged edge; the Flowers are yellow, sometimes white.

## 6. TERRIBLE BEAN CAPER.

Plate 18. Fig. 3.

Character of the Species.

*Zygophyllum Spinofum.*

The Leaves are linear, and the Stalks are thorny.

Fig. 3. a b c.

THIS is a Perennial; a woody Plant, native of Æthiopia: it grows to a foot and a half high, and flowers in June. The Stem is brown, and armed with very strong, sharp thorns; the Leaves are of a faint, but pleasing green; the Flowers are yellow.

## 7. FILMY BEAN CAPER.

Plate 18. Fig. 4.

Character of the Species.

*Zygophyllum Æstuan.*

The Leaves have brown films at their base, and are egg-shaped and sessile.

Fig. 4. a b c.

THIS is an Annual, native of Surinam; a Plant of a foot high, flowering in July. The Stalk is tender and greyish; the Leaves are of a blueish green; the Flowers are yellow.

GENUS

2



1  
Great Bean Caper



2  
Edg's Bean Caper



3  
Terrible Bean Caper



4  
Silmy Bean Caper

PLANTAE



*Plantago lanceolata*



*Plantago major*



*Plantago media*



*Plantago virginica*



LIVELONG.



Generic Characters.



Alternate Livelong.



Paired Livelong.

GENUS IV.

LIVELONG.

Plate 19.

Character of the Genus.

The CUP is permanent, and has long obtuse Leaves.

The FLOWER equals the Cup; its Petals are obtuse, erect, and narrow at the base.

The CAPSULE is three cornered, and has only one Cell. Plate 19. a b c d e.

1. ALTERNATE LIVELONG.

Plate 19. Fig. 1.

Character of the Species.

*Telephium Imperati.*

The Leaves stand alternately. Plate 19. Fig. 1.

THIS is a Perennial, native of France; a weak Plant of ten inches high, flowering in August. The Stalk is pale; the Leaves are of a whitish green; the Flowers are white: they are small, but there is a singular prettiness about them; the green Cup being all the way edged with a glossy white film.

2. PAIRED LIVELONG.

Plate 19. Fig. 2.

Character of the Species.

*Telephium Oppositifolium.*

The Leaves are placed in pairs.

THIS is a Biennial, native of Africa; a weak Plant of a foot high, flowering in June. The Stalk is of a dull green, tinged with brown; the Leaves are of a strong green; the Flowers are white.



*Livelong.*

## G E N U S V.

## S P U R R E Y.

Plate 20.

Character of the Genus.

The CUP is permanent: its Leaves are obtuse, hollow, and expanded.

The FLOWER is bigger than the Cup: its Petals are undivided and hollow.

The CAPSULE is oval, with one Cell

Plate 20. *a b c d e.*

## 1. C O R N S P U R R E Y.

Plate 20. Fig. 1.

Character of the Species.

*Spergula Arvensis.*The Leaves are whorled; the Capsule hangs down. Fig. 1. *a b.*

THIS is an Annual, native of our corn-fields; a Plant of eight inches high, flowering in July. The Stalk is of a pale green, light, and hollow; the Leaves are of a dead and dark green; the Flowers are milkywhite.

## 2. T H R E A D Y S P U R R E Y.

Plate 20. Fig. 2.

Character of the Species.

*Spergula Pentandra.*The Leaves are fine as threads. Fig. 2. *a b.*

THIS is an Annual, native of our corn-fields, more frequent near the sea-coast than elsewhere: it grows to five inches high, and flowers in June. The Stalk is of a dull green; the Leaves are of a fresh full green; the Flowers are white; the Seeds are black, with a white filmy edge.

## 3. F A I R

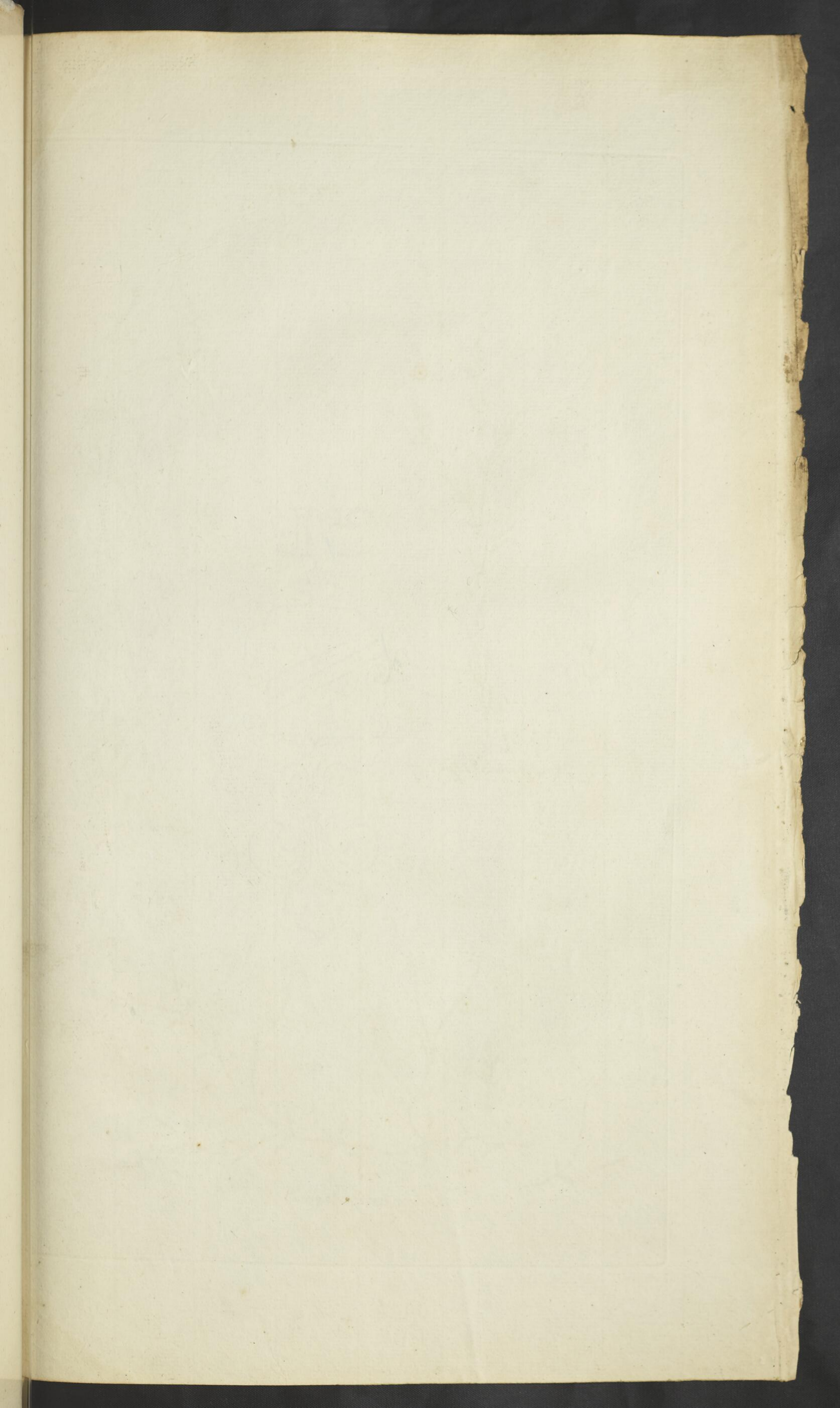


Corn Spurrey



Edgid Spurrey.





SPURREY  
2



1  
Fair flowered Spurrey



2  
Larch Spurrey



3  
Chickweed Spurrey

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## 3. FAIR-FLOWERED SPURREY.

Plate 21. Fig. 1.

Character of the Species.

Spergula Nodosa.

The Leaves stand in pairs, they are smooth and awl-shaped ; the Stalk is simple.

Fig. 1. a b c.

THIS is a Perennial, native of Germany ; a pretty little Plant, scarce exceeding four inches in height : it flowers in June. The Stalk is of a fresh green, tinged with brown ; the Leaves are of a strong pleasing green ; the Flowers are of a bright snowy white, very pretty.

## 4. LARCH SPURREY.

Plate 21. Fig. 2.

Character of the Species.

Spergula Laricina.

The Leaves are placed in pairs, with clustery bosoms, and are eye-lashed.

Fig. 2. a b c.

THIS is an Annual, native of Siberia ; a pretty little Plant of six or seven inches high, flowering in August. The Stalk is of a dull dead green ; the Leaves are of a bright green ; the Flowers are white.

## 5. CHICKWEED SPURREY.

Plate 21. Fig. 3.

Character of the Species.

Spergula Saginoides.

The Footstalks of the Flowers are very long ; the Leaves are linear and smooth, and placed in pairs.

Fig. 3. a b.

THIS is an Annual, native of France and Russia ; a weak Plant of eight inches high, flowering in July. The Stalk is tinged with brown ; the Leaves are of a fine green ; the Flowers are white.

## G E N U S VI.

## RUEWEED.

Plate 22.

Character of the Genus.

The CUP has its Leaves linear, upright, and sharp-pointed.

The FLOWER is equal to the Cup, and its Petals are oval.

The CAPSULE is triangular, with three Cells.

Plate 22. a b c d e.

## I. MULTIFID RUEWEED.

Plate 22. Fig. 1.

Character of the Species.

The Leaves are divided into narrow segments.

Peganum Harmala.

Fig. 1. a b.

THIS is a Perennial, native of Spain, and of the Levant; a Plant of a foot and half high, flowering in June. The Stalk is pale; the Leaves are of a faint and somewhat yellowish green; the Flowers are yellowish white.

## 2. LANCED RUEWEED.

Plate 22. Fig. 2.

Character of the Species.

The Leaves are undivided.

Peganum Dauricum.

THIS is a Perennial, native of Siberia; a Plant of a foot high, flowering in August. The Stalk is of a greyish green; the Leaves are of a good, but somewhat blueish green; the Flowers are white.

G E N U S

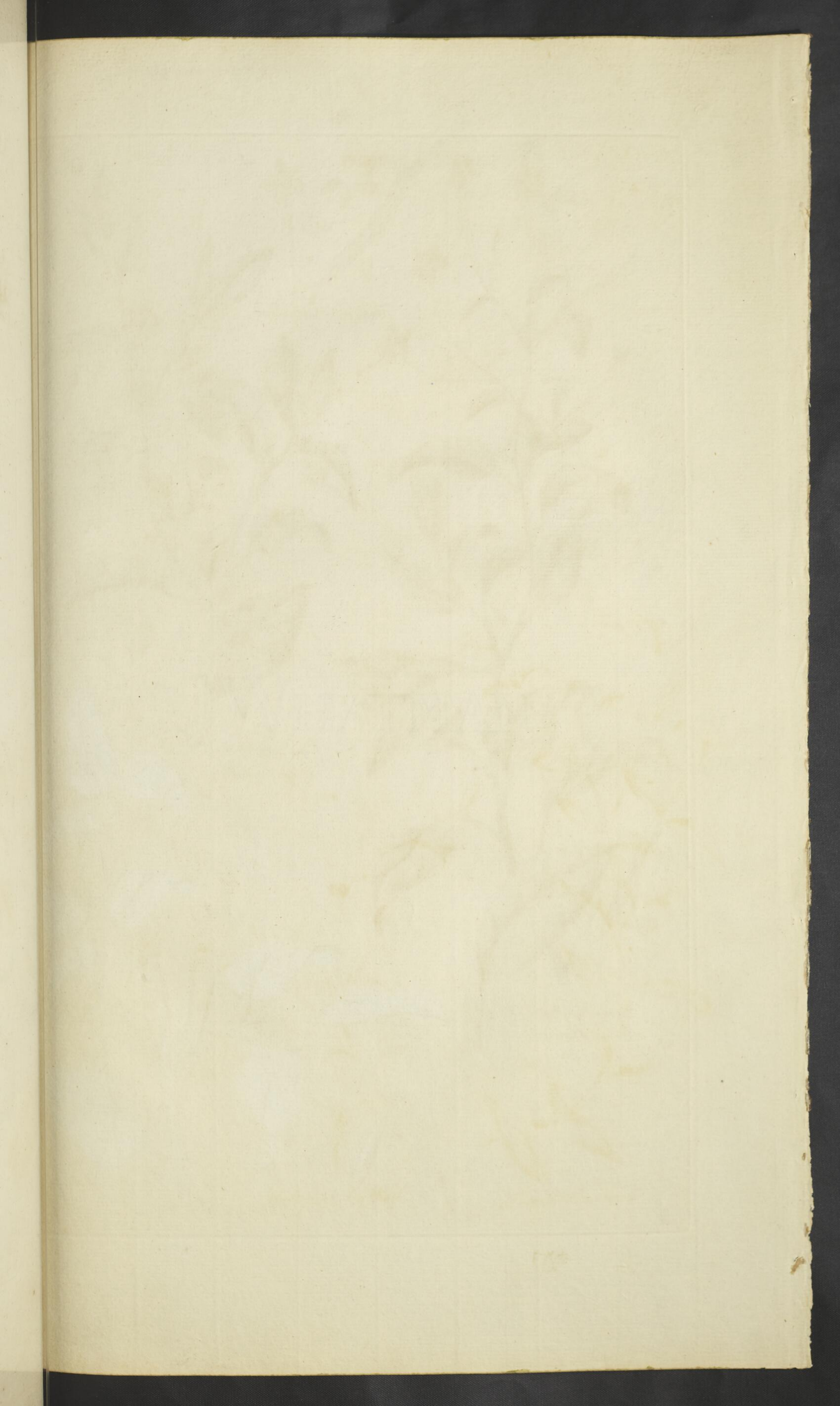
RUE WEED



*Multifid Rue Weed*

*Lancid Rue Weed*







Generic Character

2  
Egg podded  
Jew's Mallow

1  
Long podded  
Jew's Mallow

3  
Furrowed Jew's Mallow

GENUS VII.

JEW'S MALLOW.

Plate 23.

Character of the Genus.

The CUP is deciduous: its Leaves are narrow, lanced, and upright.

The FLOWER equals the Cup: its Petals are obtuse and erect.

The CAPSULE is cylindric, and has five Cells.

Plate 23. *a b c d e*

1. LONG-PODDED JEW'S MALLOW.

Plate 23. Fig. 1.

Character of the Species.

*Corchorus Siliquosus.*

The Leaves are lanced, and regularly serrated; the Pod is long and flattened; the Flower is often abortive.

Fig. 1. *a b c.*

THIS is a Perennial, native of North America; a woody Plant of two feet and a half high, flowering in May and August. The Stem is brown; the Shoots are pale; the Leaves are of a faint green; the Flowers are yellow: the May Flowers usually want the Petals.

2. EGG-PODDED JEW'S MALLOW.

Plate 23. Fig. 2.

Character of the Species.

*Corchorus Olitorius.*

The Leaves have two briefly serratures at their base; the Pod is swollen.

Fig. 2. *a b.*

THIS is a Perennial, native of Asia, Africa, and America; a Plant of three feet high, flowering in June. The Stalk is brown; the Leaves are of a fine fresh green; the Flowers are yellow.

3. FURROWED JEW'S MALLOW.

Plate 23. Fig. 3.

Character of the Species.

*Corchorus Æstivans.*

The Leaves are bearded at the base; the Pods have six ridges and six points.

Fig. 3. *a b c.*

THIS is a Perennial, native of South America; a Plant of two feet and a half high, flowering in July. The Stalk is of a pale brown; the Leaves are of a faint, whitish green; the Flowers are yellow.

4. RUDE

## 4. RUDE-PODDED JEWS MALLOW.

Plate 24. Fig. 1.

Character of the Species.

*Corchorus Capfularis.*The Leaves are bearded; the Pods are rugged and depressed. Fig. 1. *abc.*

THIS is an Annual, native of the East Indies; a Plant of a yard high, flowering in May. The Stalk is of a dull and dirty green; the Leaves are of a bright, fine, glossy green; the Flowers are of a gold yellow.

## 5. HAIRY JEWS MALLOW.

Plate 24. Fig. 2.

Character of the Species.

*Corchorus Hirtus.*The Leaves are beardless; the Stalk and Pods are hairy. Fig. 2. *ab.*

THIS is a Biennial, native of South America; a Plant of four feet high, flowering in August. The Stalk is pale; the Leaves are of a fresh and fine green; the Flowers are of a fine strong yellow.

## 6. WOOLLY JEWS MALLOW.

Plate 24. Fig. 3.

Character of the Species.

*Corchorus Hirsutus.*The Leaves are beardless, oval, obtuse, and woolly; the Pods also are woolly. Fig. 3. *abc.*

THIS is a Perennial, native of South America; a woody Plant of a foot and half high, flowering in July. The Stalk is white; the Leaves are whitish, soft, and woolly; the Flowers are of a pale yellow.

GENUS

Pl. 24

JEW'S MALLOW

Pl. 24

2



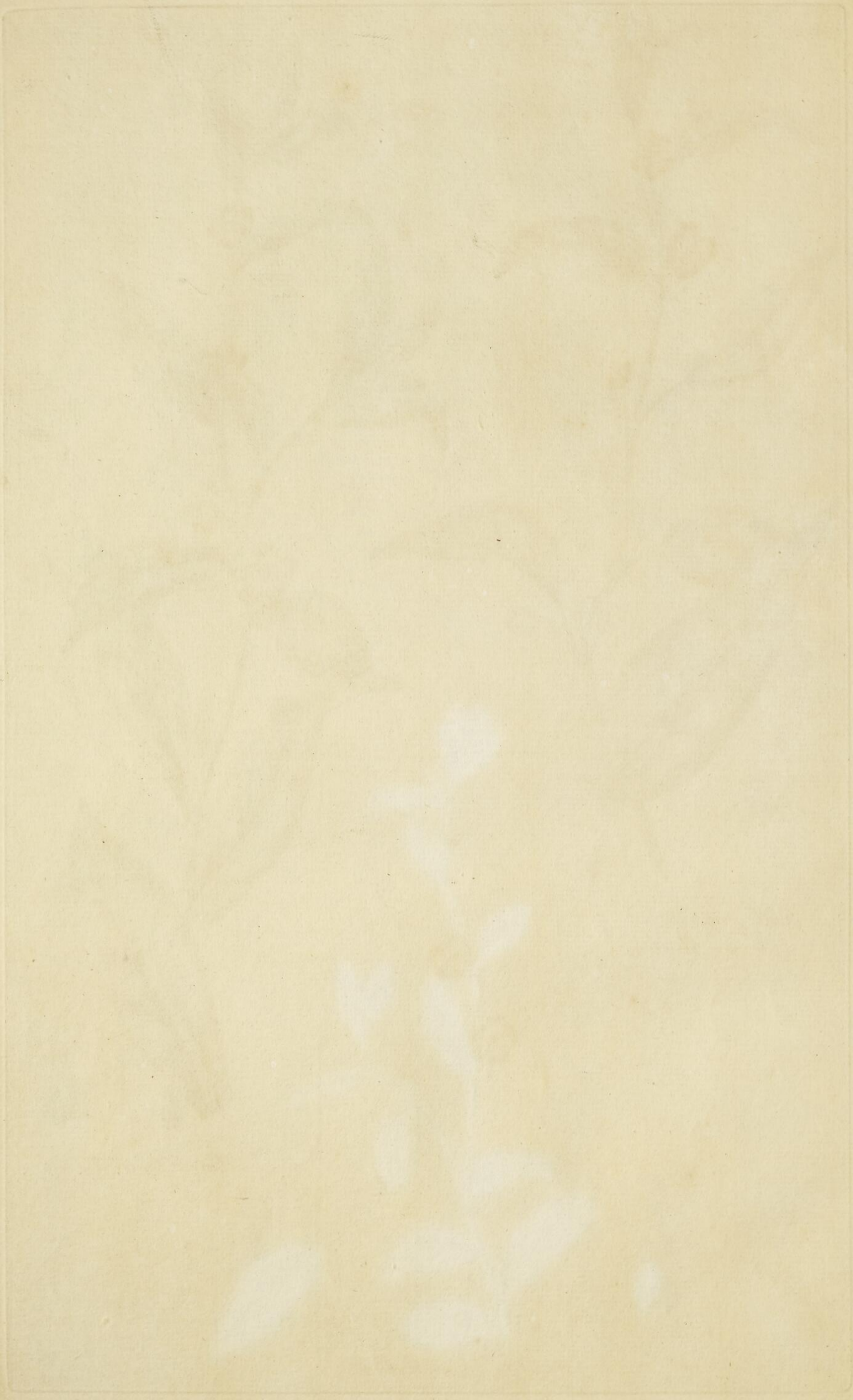
*Rude podded Jew's Mallow*

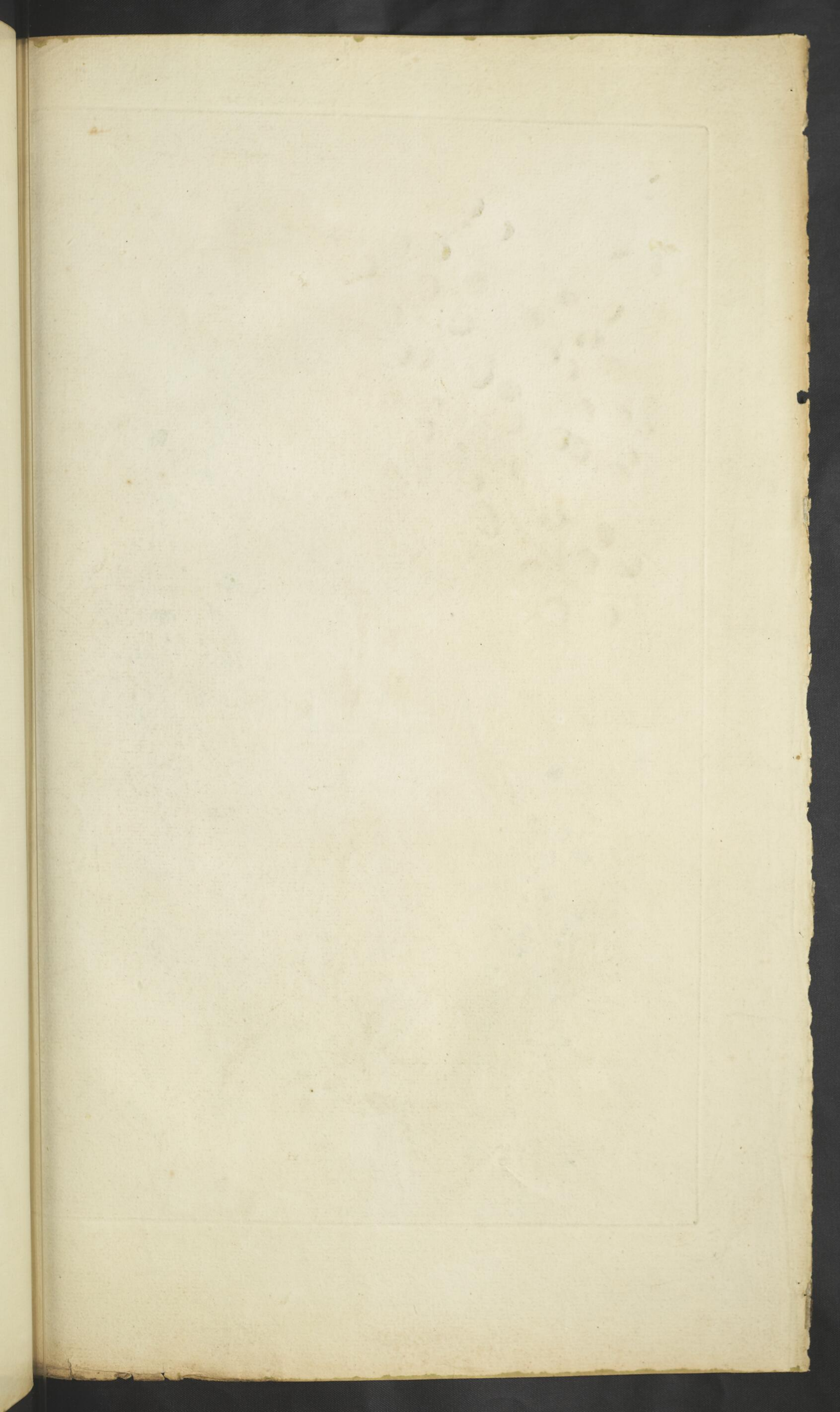
*Hairy Jew's Mallow*



*Woolly Jew's Mallow*

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*Hearted Waysell.*



*Generic Character.*



*Thick leaved Waysell.*



*Grey Waysell.*



*Umbrellad Waysell.*



## G E N U S VIII.

## W A Y S E L L.

Plate 25.

Character of the Genus.

The CUP is of five oval permanent Leaves, which stand wide.

The FLOWER is of five Petals, deep split; and the segments equal and obtuse.

The SEED-VESSEL is oval, of one Cell, with many roundish Seeds.

Plate 7. *abc def.*

## 1. HEARTED WAYSELL.

Plate 25. Fig. 1.

Character of the Species.

*Holotheum Cordatum.*

The Leaves are roundish, and hearted at the base.

Fig. 1. *a.*

THIS is an Annual, native of Jamaica; a little straggling Plant, of six or eight inches high, flowering in August. The Stalk is pale; the Leaves are of a yellowish green; the Flowers are white.

## 2. THICK-LEAVED WAYSELL.

Plate 25. Fig. 2.

Character of the Species.

*Holotheum Succulentum.*

The Leaves are oval, thick, and juicy.

Fig. 2. *ab.*

THIS is an Annual, native of North America; a Plant of eight or ten inches high, flowering in July. The Stalk is greyish; the Leaves are of a blueish green; the Flowers are white.

## 3. GREY WAYSELL.

Plate 25. Fig. 3.

Character of the Species.

*Holotheum Hirsutum.*

The Leaves are round and hairy; the Flowers have no footstalks.

Fig. 3. *ab.*

THIS is an Annual, native of the East Indies; a weak Plant of eight inches high, flowering in June. The Stalk is white and downy; the Leaves are of a greyish green; the Flowers are white.

## 4. UMBRELLAD WAYSELL.

Plate 25. Fig. 4.

Character of the Species.

*Holotheum Umbellatum.*

The Flowers stand in a regular umbrell at the top of the Stalk; the Leaves are in pairs.

Fig. 4. *ab.*

THIS is an Annual, native of France and Italy; a pretty Plant of ten inches high, flowering in July. The Stalk is brown; the Leaves are of a fine green; the Flowers are white.

## G E N U S IX.

## C H I C K S A N D.

Plate 26.

Character of the Genus.

The CUP is permanent, with expanded sharp-pointed Leaves.

The FLOWER is expanded, with oval Petals.

The CAPSULE is oval, and has one Cell.

Plate 26: *a b c d e*.

## 1. S E A - S I D E C H I C K S A N D.

Plate 26. Fig. 1.

Character of the Species.

Arenaria Peploides:

The Leaves are fleshy, oval, and sharp-pointed.

Fig. 1. *a b c*.

THIS is a Perennial, native of our sea-coasts; a little crawling Plant of four inches, flowering in June. The Stalk is red; the Leaves are of a blueish green; the Flowers are white.

## 2. S Q U A R E C H I C K S A N D.

Plate 26. Fig. 2.

Character of the Species.

Arenaria Tetraquetra:

The Leaves are oval, hollowed, and turned back by fours.

Fig. 2. *a b c*.

THIS is a Perennial, native of the Pyrenees; a little Plant of three or four inches, flowering in July. The Stalk is brown; the Leaves are of a good green; the Flowers are white.

## 3. T W O - F L O W E R E D C H I C K S A N D.

Plate 26. Fig. 3.

Character of the Species.

Arenaria Lateriflora.

The Leaves are oval and obtuse; the Flowers grow two upon a foot-stalk.

Fig. 3. *a b c*.

THIS is an Annual, native of Siberia; a Plant of three inches high, flowering in August. The Stalk is pale; the Leaves are of a blueish green; the Flowers are white.

## 4. P L A N T A I N C H I C K S A N D.

Plate 26. Fig. 4.

Character of the Species.

Arenaria Trinervia.

The Leaves are oval, and have three long ribs.

Fig. 4. *a b*.

THIS is an Annual, native of our woods; a Plant of five or six inches high, flowering in June. The Stalk is brown; the Leaves are of a faint green; the Flowers are white.

## 5. S T A L K Y



1  
Sea side Chicksand



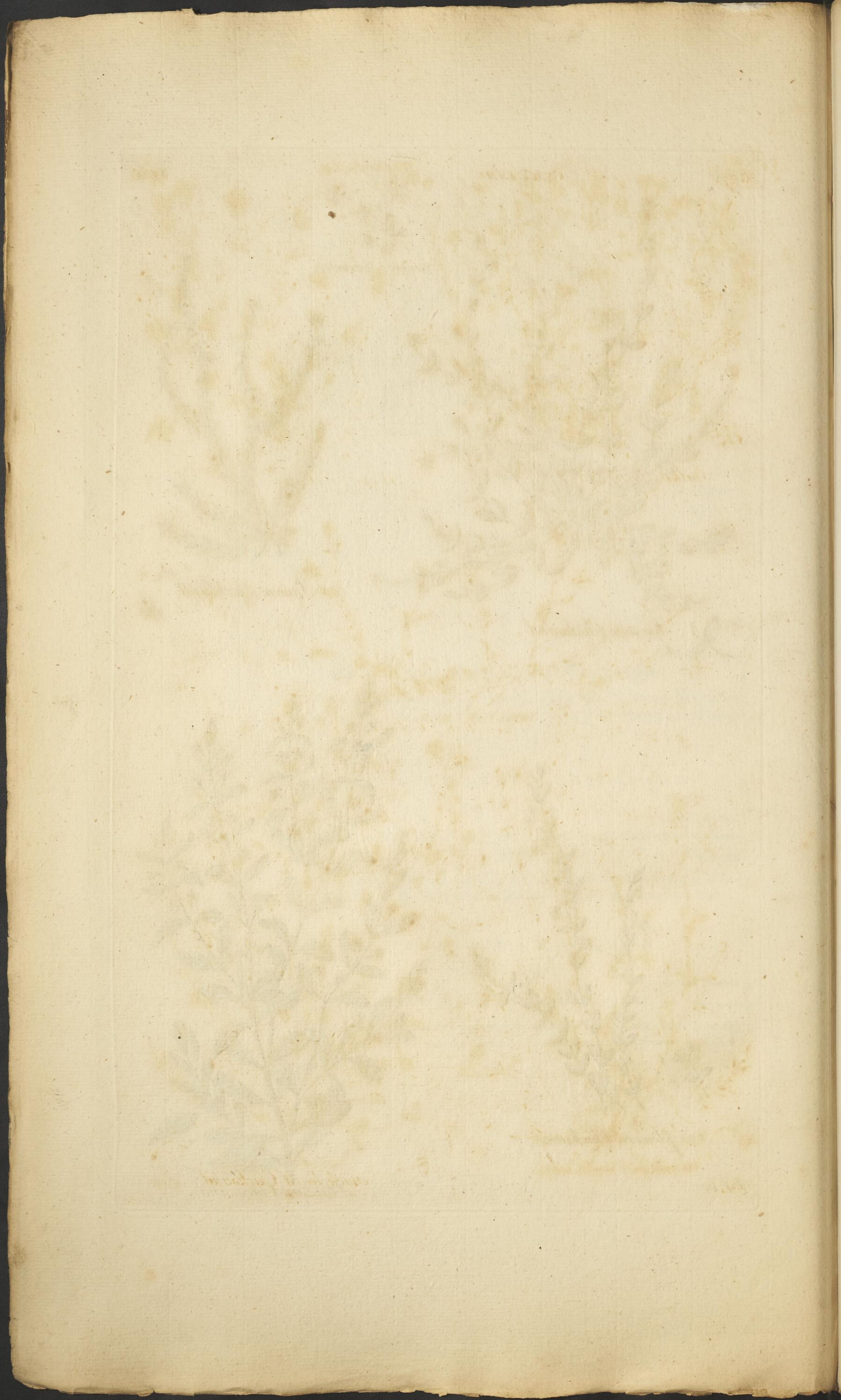
2  
Square Chicksand

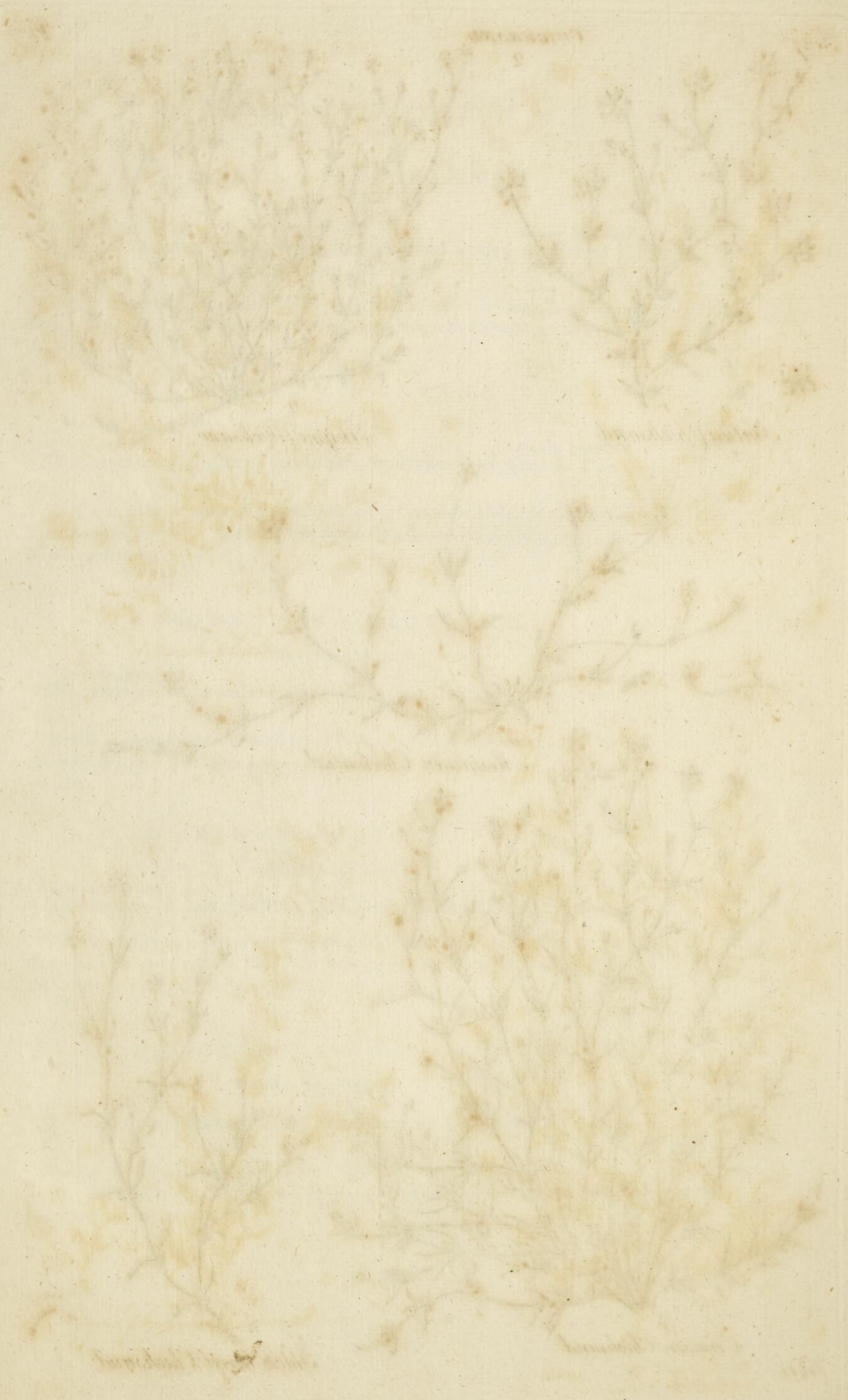


3  
Two flower'd Chicksand



4  
Plantain Chicksand







1  
*Stalky Chicksand*



2  
*Thyme Chicksand*



3  
*Mountain Chicksand*



4  
*Crimson Chicksand*



5  
*Thick leaved Chicksand*

## 5. STALKY CHICKSAND.

Plate 27. Fig. 1.

Character of the Species.

The Leaves are oval, sharp-pointed, nervous, and sessile; the Flower is larger than the Cup.

Arenaria Multicaulis.

Fig. 1. a b c.

THIS is an Annual, native of the Pyrenees; a Plant of four inches high, flowering in June. The Stalk is pale; the Leaves are of a faint green; the Flowers are white.

## 6. THYME CHICKSAND.

Plate 27. Fig. 2.

Character of the Species.

The Leaves are oval, sharp, and sessile; the Flower is less than the Cup.

Arenaria Serpyllifolia.

Fig. 2. a b c.

THIS is an Annual, native of our old walls and dry pastures; a Plant of three inches high, flowering in May. The Stalk is brownish; the Leaves are of a dirty green; the Flowers are white.

## 7. MOUNTAIN CHICKSAND.

Plate 27. Fig. 3.

Character of the Species.

The Leaves are linear and rugged; the barren Stalks trail on the ground.

Arenaria Montana.

Fig. 3. a b.

THIS is an Annual, native of the south of France; a Plant of four or five inches high, flowering in June. The Stalks are grey; the Leaves are of a blueish green; the Flowers are white.

## 8. CRIMSON CHICKSAND.

Plate 27. Fig. 4.

Character of the Species.

The Leaves are thready; the Stalk has filmy scabbards at the joints.

Arenaria Rubra.

Fig. 4. a b.

THIS is an Annual, native of our dry high grounds, and of our sea-coasts: it grows to six inches high, and flowers in June. The Stalk is pale; the Leaves are of a faint green; the Flowers are crimson, sometimes blue.

## 9. THICK-LEAVED CHICKSAND.

Plate 27. Fig. 5.

Character of the Species.

The Leaves are linear and fleshy; and there are films upon the Stalk.

Arenaria Media.

Fig. 5. a b.

THIS is an Annual, native of France; a Plant of four inches high, flowering in June. The Stalk is greyish; the Leaves are of a faint green; the Films are pale brown; the Flowers are white.

## 10. GLAUCOUS

## 10. GLAUCOUS CHICKSAND.

Plate 28. Fig. 1.

Character of the Species.

The Leaves are obtuse, thick, and rounded at the back; the Flowers stand in pairs.

Arenaria Bavarica.

Fig. 1. *abc.*

THIS is a Perennial, native of Italy and Germany; a Plant of four inches high, flowering in August. The Stalk is whitish; the Leaves are of a faint blue green; the Flowers are white.

## 11. STONE CHICKSAND.

Plate 28. Fig. 2.

Character of the Species.

The Leaves are awl-shaped; the Flower is larger than the Cup; and the Stalk spreads to a broad head.

Arenaria Saxatilis.

Fig. 2. *abc.*

THIS is a Perennial, native of our hills in Westmoreland and Yorkshire; a very pretty Plant of five inches high, flowering in June. The Stalk is brown and firm; the Leaves are of a light pleafant green; the Flowers are white.

## 12. FINE-LEAFED CHICKSAND.

Plate 28. Fig. 3.

Character of the Species.

The Leaves are awl-shaped; the Flower is smaller than the Cup.

Arenaria Tenuifolia.

Fig. 3. *abc.*

THIS is a Perennial, native of our high dry grounds; a very pretty Plant of six inches high, flowering in August. The Stalk is pale; the Leaves are of a beautiful fresh green; the Flowers are white.

## 13. LARCHY CHICKSAND.

Plate 28. Fig. 4.

Character of the Species.

The Leaves are bristly, and the Cups are hairy.

Arenaria Laricifolia.

Fig. 4. *abc.*

THIS is a Perennial, native of our northern mountains; a Plant of five inches high, flowering in July. The Stalk is brown; the Leaves are of a fresh green; the Flowers are white.

## 14. STREAKY



2  
*Glaucous Chicksand*



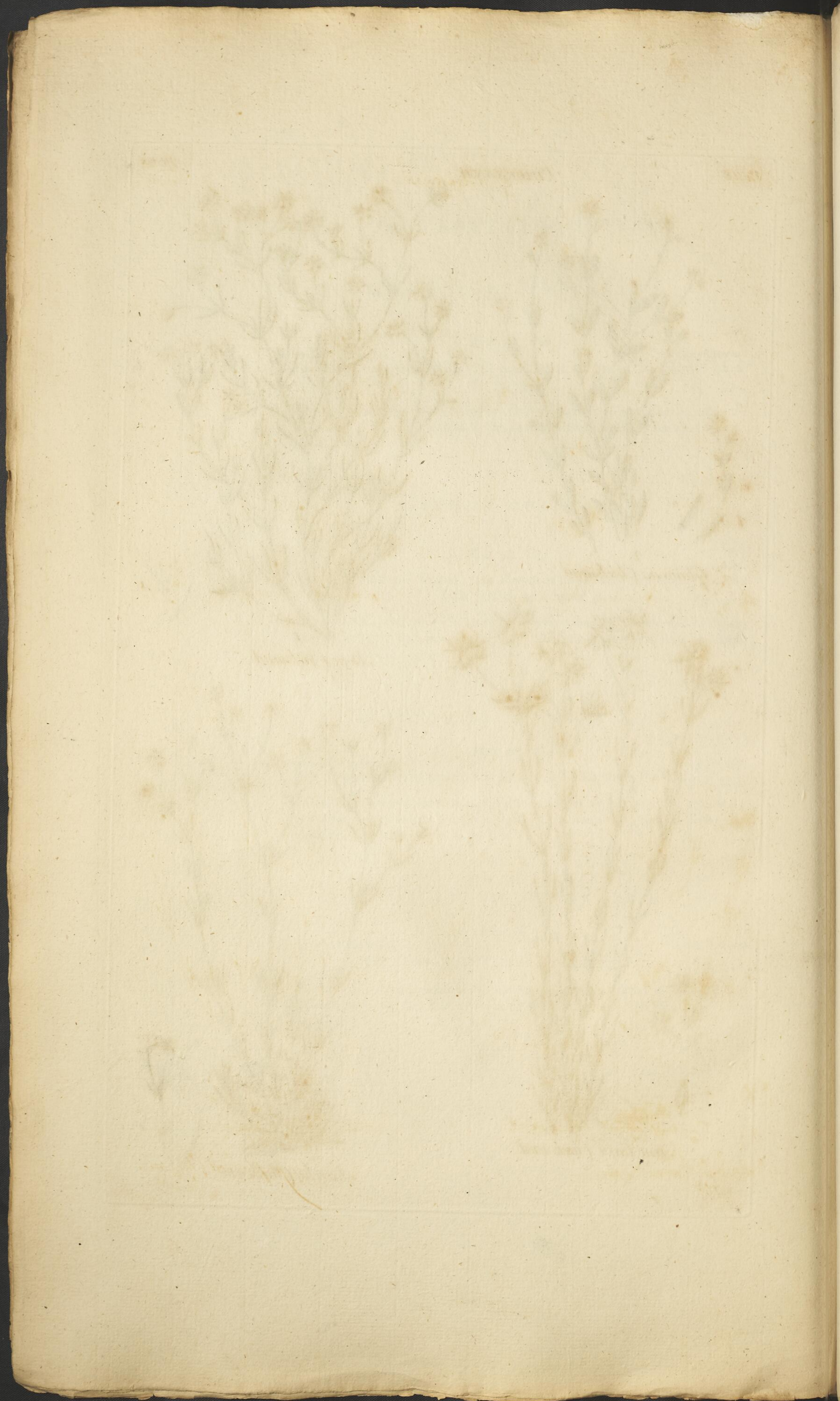
1  
*Stone Chicksand*

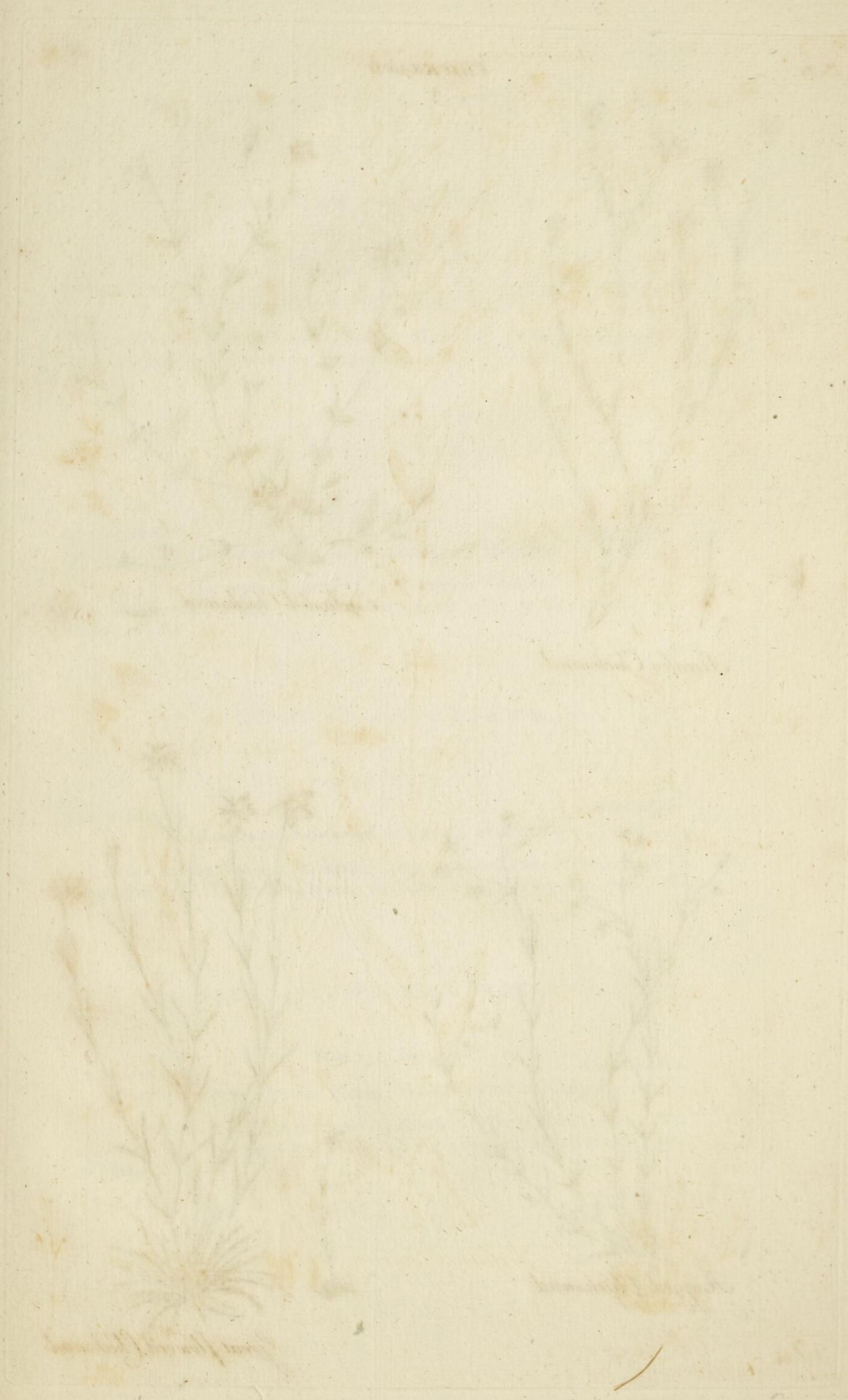


3  
*Fine leaf'd Chicksand*



4  
*Larchy Chicksand*







*Eyelash'd Chicksand*



*Streaky Chicksand*



*Great flower'd Chicksand*



*Rugged Chicksand*

14. STREAKY CHICKSAND.

Plate 29. Fig. 1.

Character of the Species.

*Arenaria Striata.*

The Leaves are linear ; the Cups are striated.

Fig. 1. a b.

THIS is a Perennial, native of Germany ; a Plant of five inches high, flowering in August. The Stalk is pale ; the Leaves are of a pale green ; the Flowers are white.

15. EYELASHED CHICKSAND.

Plate 29. Fig. 2.

Character of the Species.

*Arenaria Ciliata.*

The Leaves are oval, sharp-pointed, and eyelashed.

Fig. 2. a b.

THIS is a Perennial, native of the mountains of Italy and Germany ; a Plant of four inches high, flowering in July. The Stalk is brown ; the Leaves are of a pale green ; the Flowers are white.

16. RUGGED CHICKSAND.

Plate 29. Fig. 3.

Character of the Species.

*Arenaria Hispida.*

The Leaves are awl-shaped, and rough underneath.

Fig. 3. a b.

THIS is a Biennial, native of Montpelier ; a very pretty little Plant of five inches high, flowering in June. The Stalk is greenish ; the Leaves are of a delicate fine green ; the Flowers are white.

17. GREAT-FLOWERED CHICKSAND.

Plate 29. Fig. 4.

Character of the Species.

*Arenaria Grandiflora.*

The Stalk supports but one Flower ; the Leaves are awl-shaped.

Fig. 4. a b.

THIS is a Perennial, native of the mountains of Italy and other parts of Europe ; a Plant of six inches high, flowering in June. The Stalk is greyish ; the Leaves are of a fair green ; the Flowers are white.

## G E N U S X.

## H O R N W E E D.

Plate 30.

Character of the Genus.

The CUP is permanent and spread; its Leaves are oval and sharp.

The FLOWER spreads a little; the Petals are hearted.

The CAPSULE is egg-shaped, and has only one Cell.

Plate 20. *a b c d e.*

## 1. P E R F O L I A T E H O R N W E E D.

Plate 30. Fig. 1.

Character of the Species.

The Leaves grow together.

*Cerastium Perfoliatum.*Fig. 1. *a.*

THIS is an Annual, native of the Greek Islands; a Plant of a foot high, flowering in August. The Stalk is of a dusky grey; the Leaves are of a deep blueish green; the Flowers are white.

## 2. C O M M O N H O R N W E E D.

Plate 30. Fig. 2.

Character of the Species.

The Leaves are oval; the Stalk leans; the Cup is of the length of the Flower.

*Cerastium Vulgatum.*Fig. 2. *a b.*

THIS is an Annual, native of our dry grounds; a Plant of six inches high, flowering in July. The Stalk is tinged with brown; the Leaves are of a yellowish green; the Flowers are white.

## 3. C L A M M Y H O R N W E E D.

Plate 30. Fig. 3.

Character of the Species.

The Leaves are hairy and clammy; the Stalk is upright.

*Cerastium Viscofum.*Fig. 3. *a b.*

THIS is an Annual, native of our dry pastures; a Plant of six inches high, flowering in May and June. The Stalk is of a dusky brown; the Leaves are of a yellowish green; the Flowers are white.

## 4. W A L L H O R N W E E D.

Plate 30. Fig. 4.

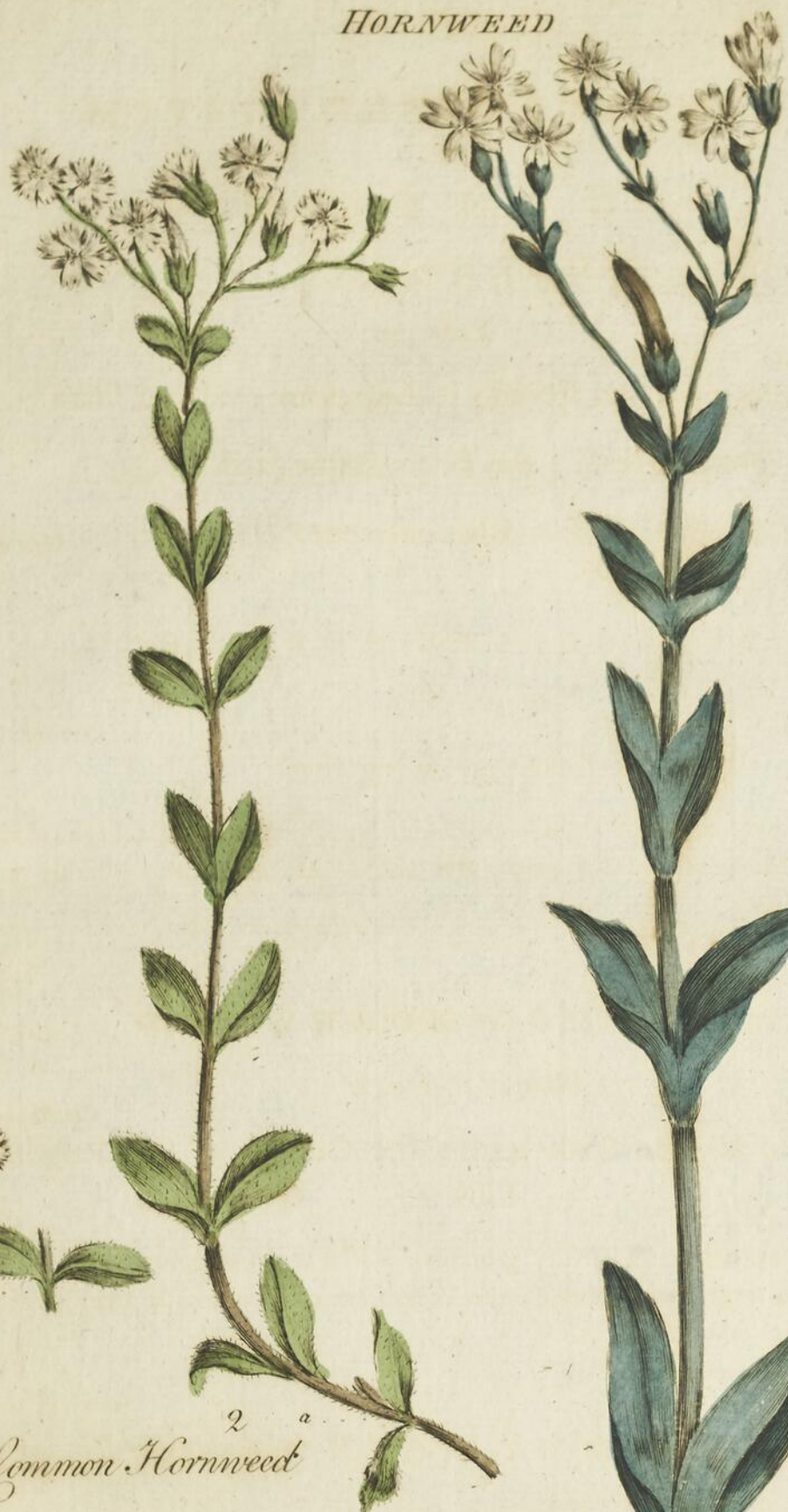
Character of the Species.

The Stalk is simple, and covered with long hairs.

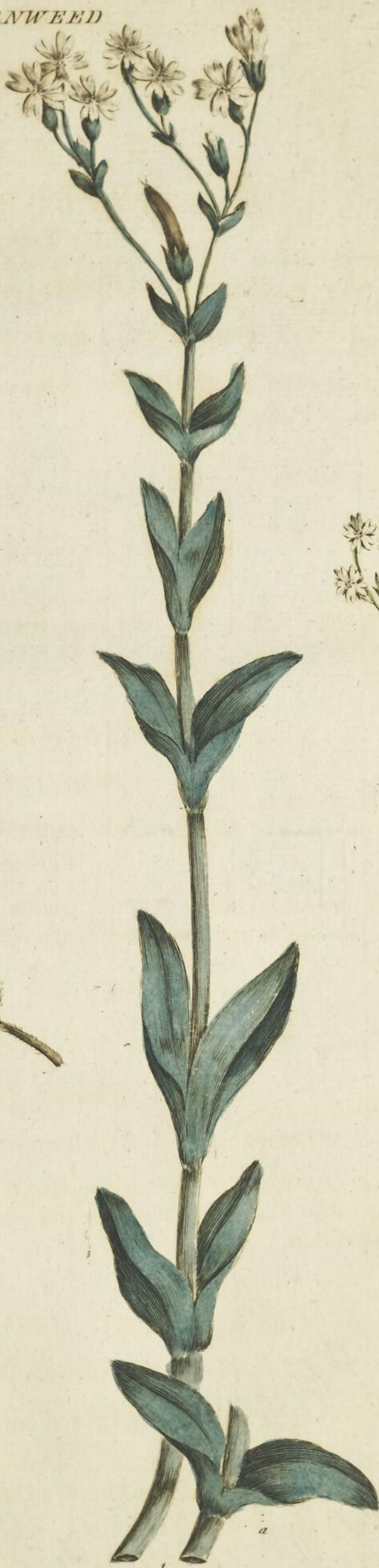
*Cerastium Semidecandrum.*

THIS is an Annual; common upon our old walls; a Plant of three inches high, that flowers in early spring. The Stalk and Leaves are of a faint green; the Flowers are white.

## 5. U N D I V I D E D



Common Hornweed



Perfoliate Hornweed



Wall Hornweed

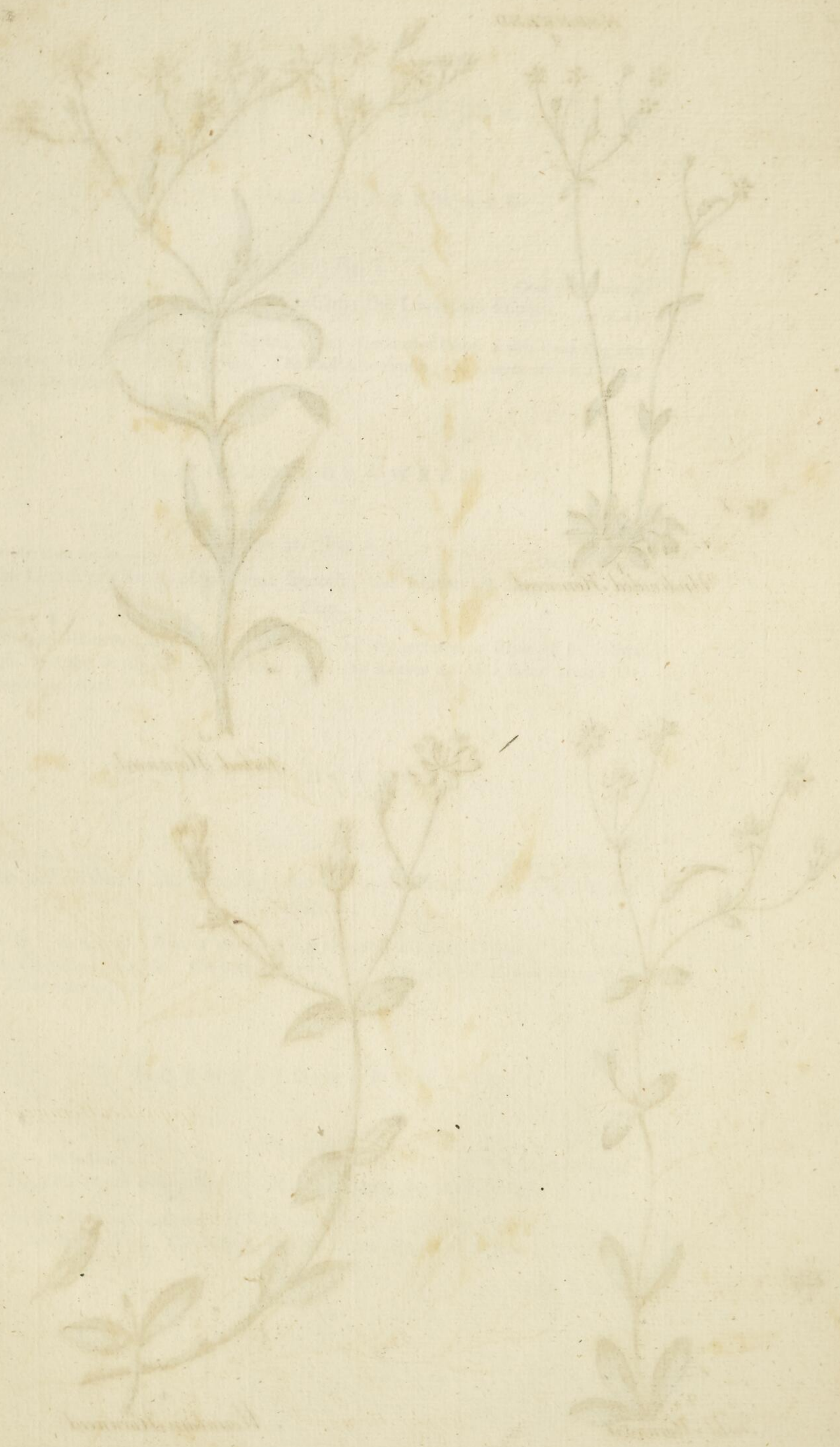


Sticky Hornweed



Generic Character





HORNWEED  
2



5. UNDIVIDED HORNWEED.

Plate 31. Fig. 1.

Character of the Species.

*Cerastium Pentandrum.*

The Petals are much shorter than the Cup; the Leaves are smooth. Fig. 1. a b.

THIS is an Annual, native of Spain; a very diminutive Plant, scarce exceeding two inches in height, flowering in May. The Stalk is brownish; the Leaves are of a strong green; the Flowers are white.

6. FIELD HORNWEED.

Plate 31. Fig. 2.

Character of the Species.

*Cerastium Arvense.*

The Leaves are linear, obtuse, and smooth; the Flower is larger than the Cup.

THIS is a Perennial, native of our corn-fields and dry pastures; a Plant of six inches high, flowering in August. The Stalk is pale; the Leaves are of a faded green; the Flowers are white.

7. FORKED HORNWEED.

Plate 31. Fig. 3.

Character of the Species.

*Cerastium Dichotomum.*

The Stalk is forked and spreading; the Leaves are lanced; the Capsules are erect. Fig. 3. a b c.

THIS is an Annual, native of the fields and vineyards in Spain; a Plant of seven inches high, flowering in August. The Stalk is brown; the Leaves are of a dull and dirty green; the Flowers are white.

8. MOUNTAIN HORNWEED.

Plate 31. Fig. 4.

Character of the Species.

*Cerastium Alpinum.*

The Leaves are oval; the Capsules are oblong; the Stalk spreads. Fig. 4. a b c.

THIS is a Perennial, native of our Welch mountains; a spreading Plant of seven inches long, flowering in June. The Stalk is pale; the Leaves are of a white green; the Flowers are white.

9. CREEP-

## 9. CREEPING HORNWEED.

Plate 32. Fig. 1.

Character of the Species.

*Cerastium Repens.*

The Leaves are lanced; the Flower-stalks branch; the Capful is globular. Fig. 1. *a b c.*

THIS is a Perennial, native of France and Italy; a very pretty Plant of eight inches long, flowering in June. The Stalk is brownish; the Leaves are of a fresh green; the Flowers are white.

## 10. SLENDER HORNWEED.

Plate 32. Fig. 2.

Character of the Species.

*Cerastium Strictum.*

The Leaves are linear, sharp-pointed, and smooth; the Footstalk of the Flower is woolly. Fig. 2. *a b.*

THIS is a Biennial, native of Germany; a Plant of five inches high, flowering in August. The Stalk is pale; the Leaves are of a fresh green; the Flowers are white.

## 11. WOODY HORNWEED.

Plate 32. Fig. 3.

Character of the Species.

*Cerastium Suffruticosum.*

The Stalk is woody, and leans; the Leaves are linear and hairy. Fig. 3. *a b.*

THIS is a Perennial, native of Spain and Italy; a Plant of ten inches long, flowering in July. The Stem is brown; the young Shoots are green; the Leaves are of a faint green; the Flowers are white.

## 12. GIANT HORNWEED.

Plate 32. Fig. 4.

Character of the Species.

*Cerastium Maximum.*

The Leaves are lanced and rugged; the Petals are dented. Fig. 4. *a b.*

THIS is a Biennial, native of Siberia; a Plant of fifteen inches high, flowering in August. The Stalk is brown; the Leaves are of a dull green; the Flowers are white.

HORNWEED



1  
*Trailing  
Hornweed*

2  
*Globular Hornweed*

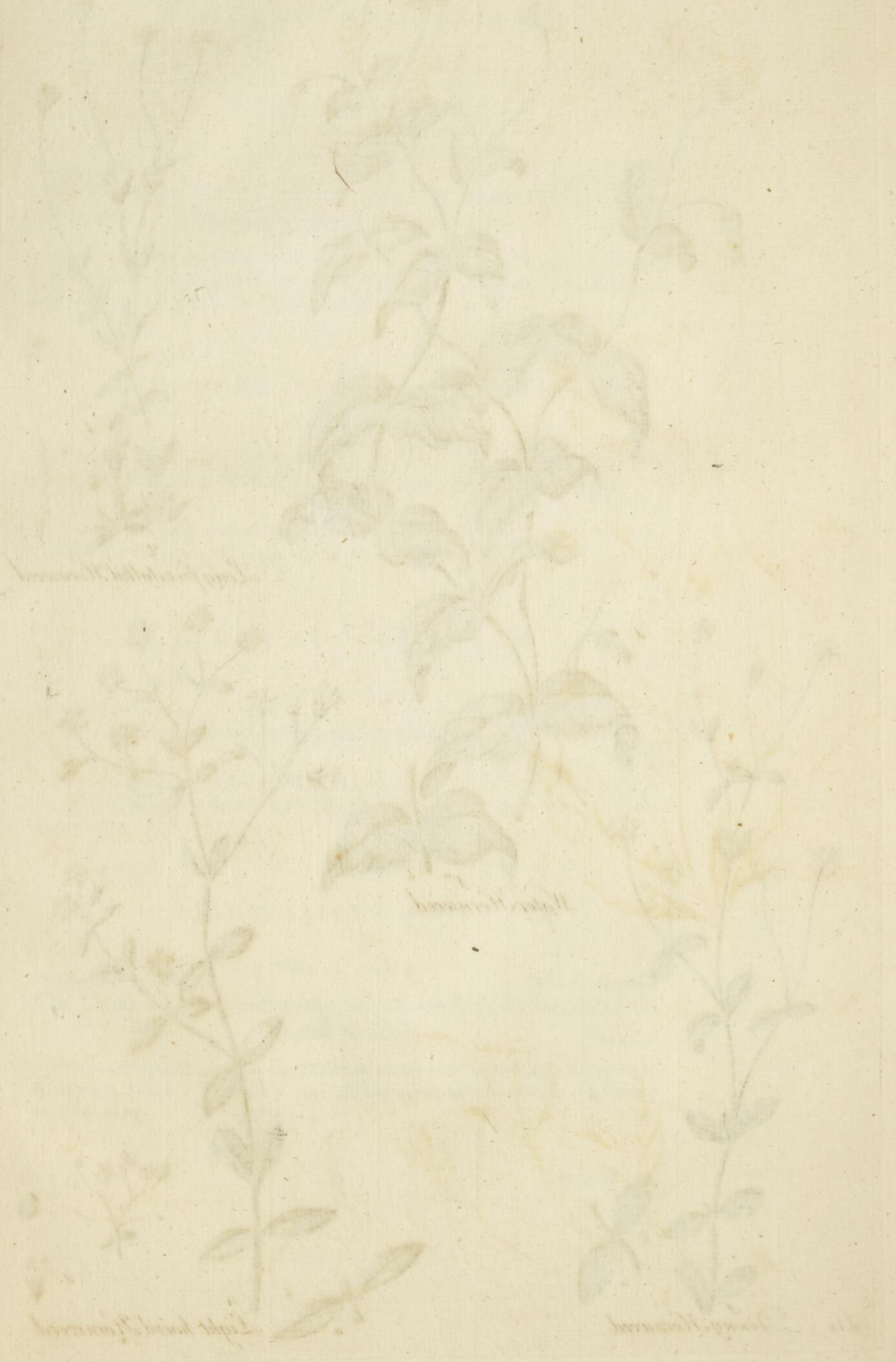
3  
*Woody Hornweed*

4  
*Gigantic Hornweed*



*Phytolacca*

*Phytolacca*





Water Hornweed



Long footstalked Hornweed



Downy Hornweed



Light haired Hornweed

## 13. WATER HORNWEED.

Plate 33. Fig. 1.

Character of the Species.

*Cerastium Aquaticum.*

The Leaves are heart-shaped, and sessile; the Flowers stand on single Footstalks; the Capsules hang down.

Fig. 1. *a b c.*

THIS is a Perennial, native of our ditch sides: a Plant of two feet high, or, where it clammers among bushes, much more; flowering in June. The Stalk is pale; the Leaves are of a fine fresh green; the Flowers are white.

## 14. LONG-FOOTSTALKED HORNWEED.

Plate 33. Fig. 2.

Character of the Species.

*Cerastium Manticum.*

The Leaves are lanced; the Flowers have very long Footstalks.

Fig. 2. *a b.*

THIS is an Annual, native of Italy; a Plant of ten inches high, flowering in June. The Stalk is of a pale green; the Leaves are of a fine glossy green; the Flowers are white.

## 15. DOWNY HORNWEED.

Plate 33. Fig. 3.

Character of the Species.

*Cerastium Latifolium.*

The Leaves are oval and downy; the branches support each one Flower.

Fig. 3. *a b.*

THIS is a Perennial, native of the Swiss mountains; a Plant of eight inches high, flowering in July. The Stalk is brownish; the Leaves are of a faint green; the Flowers are white.

## 16. LIGHT-HAIRED HORNWEED.

Plate 33. Fig. 4.

Character of the Species.

*Cerastium Tomentosum.*

The Leaves are oblong and woolly; the Flower-stalks are branched; the Capsule is round.

Fig. 4. *a b.*

This is a Perennial, native of our Welch mountains; a Plant of seven inches high, flowering in August. The Stalk is pale; the Leaves are whitish and soft; the Flowers are snow white.

## G E N U S XI.

## C I S T U S.

Plate 34.

Character of the Genus.

The CUP has two of its Leaves smaller, and placed lower than the others.

The FLOWER spreads wide open.

The CAPSULE is rounded.

Plate 34. *a b c d e.*

## 1. WOODY, and without FILMS.

## 1. UMBRELLA'D CISTUS\*.

Plate 34. Fig. 1.

Character of the Species.

*Cistus Umbellatus.*

The Stalk leans; the Leaves are linear, and in pairs; the Flowers are umbrella'd.

Fig. 1. *a b c.*

THIS is a Perennial, native of France and Spain; a very beautiful Plant of a foot and a half high, flowering in June. The Stalks are of a pale greyish green; the Leaves are of a faint and somewhat yellowish green; the Flowers are white.

## 2. CLUSTERY CISTUS.

Plate 34. Fig. 2.

Character of the Species.

*Cistus Lævipes.*

The Stalk rises; the Leaves are alternate, linear, and clustery; the Flowerstalks branch a little.

Fig. 2. *a b c.*

THIS is a Perennial, native of the south of France; a handsome Plant of ten inches high, flowering in July. The Stalk is pale; the Leaves are of a light pleasing green; the Flowers are yellow.

## 3. RUGGED-EDGED CISTUS.

Plate 34. Fig. 3.

Character of the Species.

*Cistus Fumana.*

The Stalk leans; the Leaves are alternate, linear, and rugged at the edge; the Footstalks of the Flowers are simple.

Fig. 3. *a b c.*

THIS is a Perennial, native of France, Germany, and Switzerland; a Plant of ten inches high, flowering in June. The Stalk is brown; the Leaves are of a pale but pleasing green; the Flowers are yellow.

\* The Shrub CISTUS's among the Trees and Shrubs.



Generic Character



1 Umbrellad Cistus

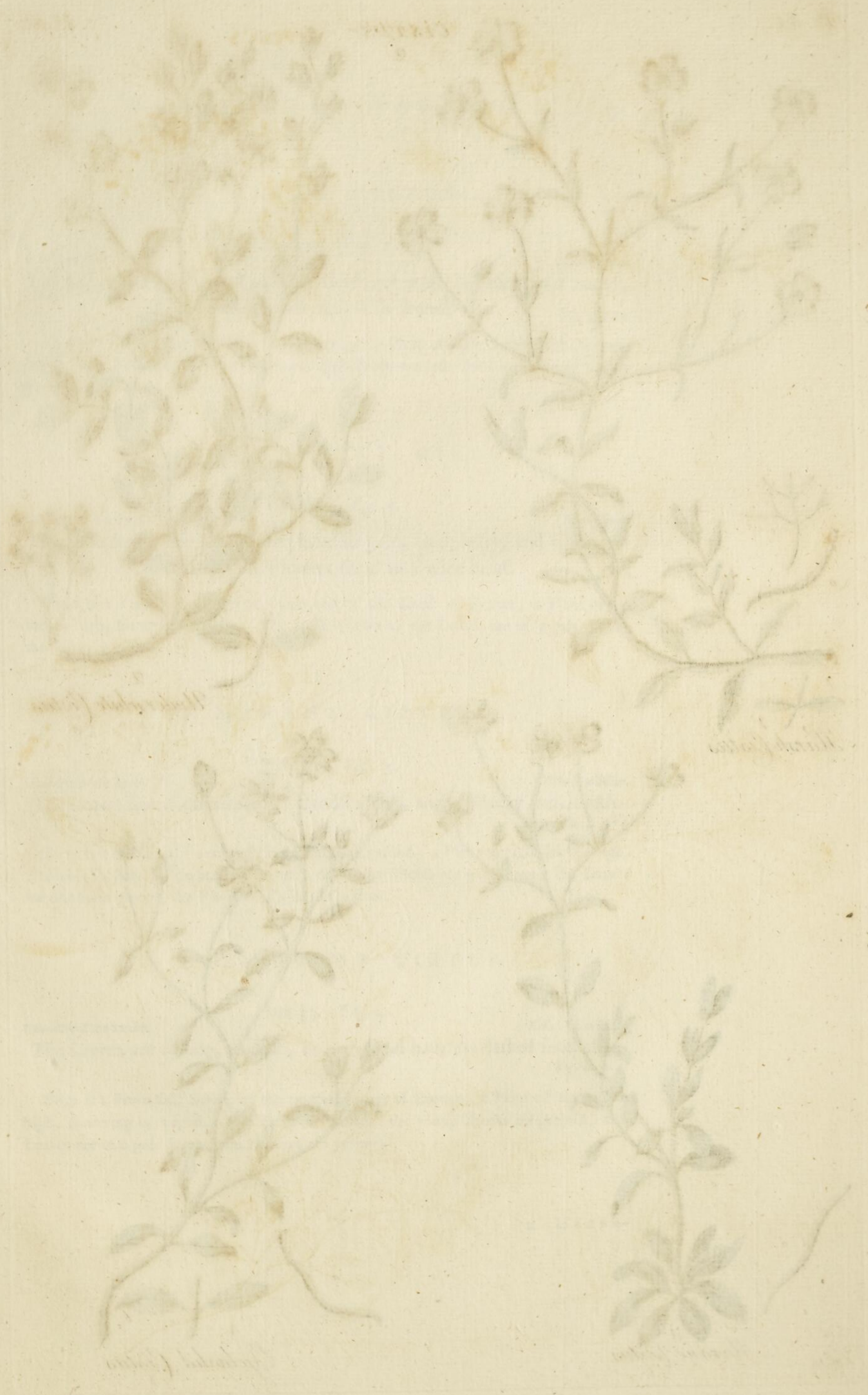


2 Clustery Cistus



3 Rugged Edged Cistus





CISTUS  
2



1  
Harsh Cistus



2  
Under white Cistus



3  
Marane Cistus



4  
Eyelashid Cistus

## 4. HARSH CISTUS.

Plate 35. Fig. 1.

Character of the Species.

Cistus Italicus.

The Leaves are harsh, and paired; the lower oval, and the upper lanced;  
the Stalk spreads into wide branches.

Fig. 1. *abc.*

THIS is a Perennial, native of Italy; a very pretty Plant of eight inches high, flowering in June. The Stem is brown; the younger Shoots are red; the Leaves are of a faint green; the Flowers pale yellow.

## 5. UNDER WHITE CISTUS.

Plate 35. Fig. 2.

Character of the Species.

Cistus Canus.

The Stalk leans; the Leaves are placed in pairs, oval, hairy, and white underneath; the Flowers stand in a wide head.

Fig. 2. *abc.*

THIS is a Perennial, native of Spain and of the south of France; a Plant of ten inches high, flowering in July. The Stalk is brown; the Leaves are of a pale green; the Flowers yellow.

## 6. MARANE CISTUS.

Plate 35. Fig. 3.

Character of the Species.

Cistus Marifolius.

The Leaves have footstalks; they stand in pairs, and are hoary underneath.

Fig. 3. *abc.*

THIS is a Perennial, native of Italy and Switzerland; a Plant of eight inches high, flowering in July. The Stalk is brown; the young Shoots are pale green; the Leaves are of a faint green; the Flowers of a bright yellow.

## 7. EYE-LASHED CISTUS.

Plate 35. Fig. 4.

Character of the Species.

Cistus Celandicus.

The Leaves are oblong, smooth, in pairs, and have eye-lashed footstalks.

Fig. 4. *abc.*

THIS is a Perennial, native of the northern parts of Europe; a Plant of ten inches high, flowering in August. The Stem is brown; the young Shoots are greyish; the Leaves are of a pale green; the Flowers are yellow.

## 2. HERBACEOUS, and without FILMS.

## 8. PLANTAIN CISTUS.

Plate 36. Fig. 1.

Character of the Species.

*Cistus Tuberaria.*

The Root-leaves are oval, with three long ribs, and woolly; the upper are lanced and smooth.

Fig. 1. *abc.*

THIS is a Perennial, native of Spain and other warm parts of Europe; a very beautiful Plant of a foot high, flowering in July. The Root-leaves are whitish; the Stalk and its Leaves are of a fresh green; the Flowers are yellow.

## 9. DOTTED CISTUS.

Plate 36. Fig. 2.

Character of the Species.

*Cistus Guttatus.*

The Leaves stand in pairs, they are lanced, three ribbed, and hairy.

Fig. 2. *abc.*

THIS is an Annual, native of some of our sea-coasts, and of some inland places; a very singularly beautiful Plant, flowering in August. The Stalk is pale; the Leaves are of a faint greyish green; the Flowers are pale yellow, with deep crimson dots.

## 10. RISING CISTUS.

Plate 36. Fig. 3.

Character of the Species.

*Cistus Canadensis.*

The Leaves are lanced, and all alternate; the Stalk rises. Fig. 3. *ab.*

THIS is a Perennial, native of Canada; a Plant of ten or twelve inches high, flowering in June. The Stalk is pale; the Leaves are of a yellowish green; the Flowers are yellow.



1  
*Plantain Cistus*



2  
*Dotted Cistus*



3  
*Rising Cistus*







## 3. HERBACEOUS, having FILMS.

## 11. LEDAN CISTUS.

Plate 37. Fig. 1.

Character of the Species.

*Cistus Ledifolius.*

The Stalk is smooth; the Flowers have no Footstalks; the Leaves are hard.

Fig. 1. *abc.*

THIS is an Annual, native of the south of France; a Plant of fifteen inches high, flowering in June. The Stalk is pale; the Leaves are of a faded green; the Flowers are yellow.

## 12. WILLOW CISTUS.

Plate 37. Fig. 2.

Character of the Species.

*Cistus Salicifolius.*

The Stalk is hairy, and spreads; the Flowers are clustered; the Leaves are oval.

THIS is an Annual, native of Spain and Portugal; a Plant of eight inches high, flowering in August. The Stalk is brown; the Leaves are of a fresh green; the Flowers are yellow.

## 13. SWOLN CISTUS.

Plate 37. Fig. 3.

Character of the Species.

*Cistus Ægyptiacus.*

The Leaves are linear; and the Cups are swoln.

Fig. 3. *ab.*

THIS is an Annual, native of Ægypt; a Plant of ten inches high, flowering in July. The Stalk is brown; the Leaves are of a good green; the Flowers are yellow.

## 4. WOODY, with FILMS.

## 14. SCALY CISTUS.

Plate 38. Fig. 1.

Character of the Species.

Cistus Squammatum.

The Leaves are oval; the Films are small, numerous, and egg-shaped.

Fig. 1. a b.

THIS is a Perennial, native of Spain: it grows to six or eight inches high, and flowers in June. The Stalk is woody and brown; the Films are of a pale yellowish brown; the Leaves are of a faint green; the Flowers are yellow.

## 15. WAVY CISTUS.

Plate 38. Fig. 2.

Character of the Species.

Cistus Surrejanus.

The Leaves are oblong and hairy; the Petals are linear and waved; the Films are short.

Fig. 2. a b c.

THIS is a Perennial, native of our high and dry grounds: it grows to eight inches high, and flowers in August. The Stalk is of a ruddy brown; the Films are pale; the Leaves are of a faint yellowish green; the Flowers are yellow.

## 16. MONEYWORT CISTUS.

Plate 38. Fig. 3.

Character of the Species.

Cistus Nummularius.

The lower Leaves are round; the upper are oval.

Fig. 3. a b.

THIS is a Perennial, native of the south of France; a little woody Plant of five or six inches high, flowering in July. The Stalk is brown; the Shoots are pale green; the Leaves are of a fine strong green; the Flowers are yellow.

## 17. FRAGRANT CISTUS.

Plate 38. Fig. 4.

Character of the Species.

Cistus Serpyllifolius.

The Leaves are oblong; and the Cups are smooth.

Fig. 4. a b c.

THIS is a Perennial, native of Germany; a Plant of six or eight inches high, flowering in June. The Stalk is brown; the Leaves are of a black green; the Flowers are of a gold yellow, and of a very sweet smell.

## 18. THYME



1  
*Scaly Cistus*



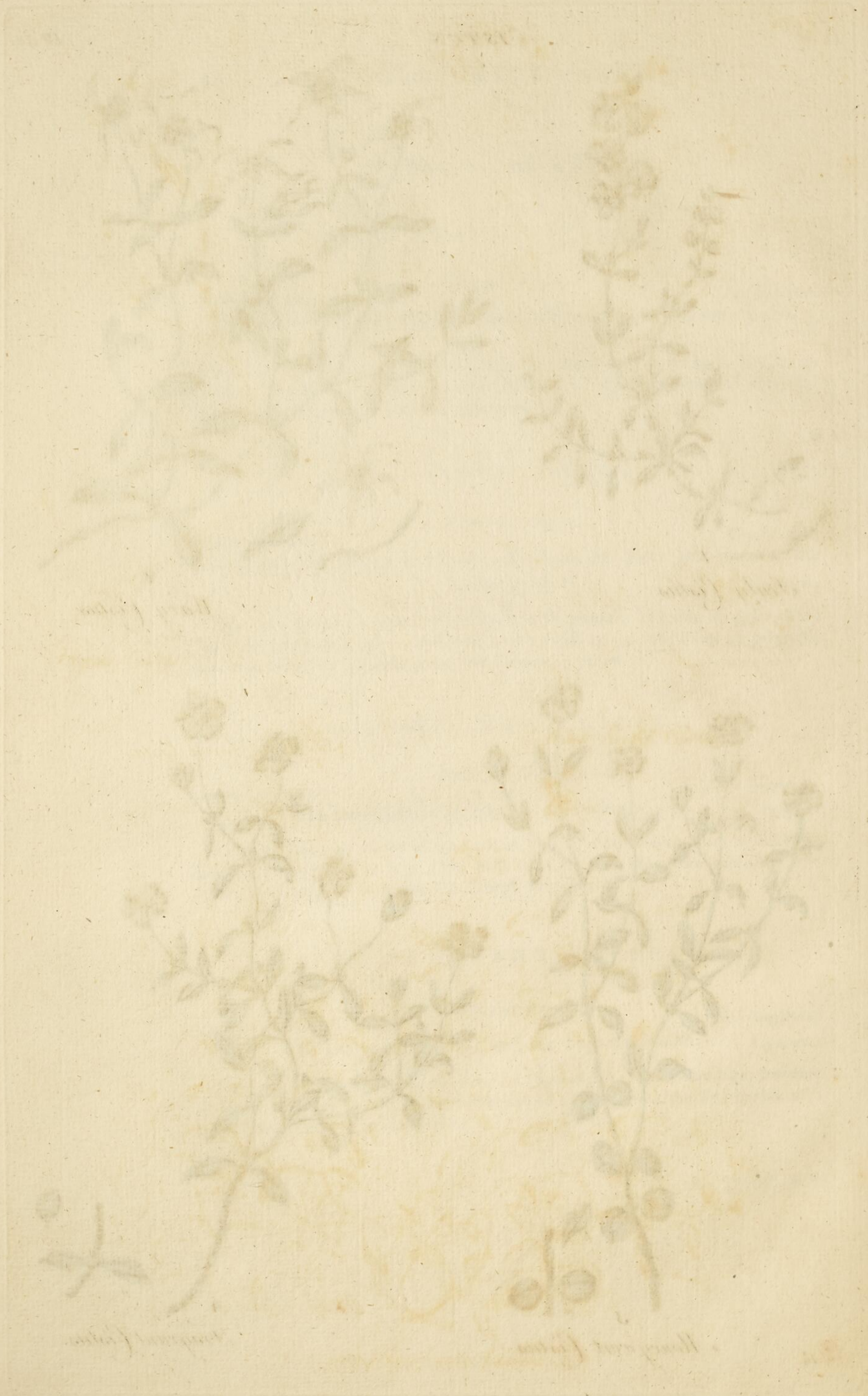
2  
*Wavy Cistus*



3  
*Moneywort Cistus*



4  
*Fragrant Cistus*







*Thyme Cistus*



2  
*White leaved Cistus*



3  
*Common Road side Cistus*

## 18. THYME CISTUS.

Plate 39. Fig. 1.

Character of the Species.

*Cistus Thymifolius.*

The Stalk leans; the Leaves are clustery, short, linear, and in pairs.

Fig. 1. *a b.*

THIS is a Perennial, native of France and Spain; a straggling Plant of six inches high, flowering in August. The Stalk is brown; the Leaves are of a fresh green; the Flowers are yellow.

## 19. WHITE-LEAVED CISTUS.

Plate 39. Fig. 2.

Character of the Species.

*Cistus Pilosus.*

The Leaves have two furrows underneath, and they are linear and hairy.

Fig. 2. *a b.*

THIS is a Perennial, native of France; a trailing Plant of eight inches long, flowering in July. The Stalk is of a ruddy brown; the Leaves are of a light green; the Flowers are yellow, sometimes white.

## 20. COMMON ROADSIDE CISTUS.

Plate 39. Fig. 3.

Character of the Species.

*Cistus Helianthemus.*

The Leaves are oblong, and turn back; the Films are lanced.

Fig. 3. *a b.*

THIS is a Perennial, native of our hilly grounds; a Plant that leans in part upon the ground, but rises in tufts to six inches high, and flowers in July. The Stalk is brown; the Leaves are of a blackish green; the Flowers are yellow.

21. HOL-

## 21. HOLLOWED CISTUS.

Character of the Species.

The Leaves are hollow behind; the Cups are hairy.

Plate 40. Fig. 1.

*Cistus Hirtus.*Fig. 1. *a b c.*

THIS is a Perennial, native of France; a Plant of ten inches high, flowering in July. The Stalk is brown; the Shoots are pale green; the Leaves are of a pale green, white underneath; the Flowers are yellow.

## 22. SPRAWLING CISTUS.

Character of the Species.

The Stalks spread upon the ground; the Leaves are lanced, and covered with long hairs.

Plate 40. Fig. 2.

*Cistus Apenninus.*Fig. 2. *a b.*

THIS is a Perennial, native of the Apennines; a Plant that spreads its weak Stalks on the ground to five or six inches in length, and flowers in August. The Stalk is of a pale whitish brown; the Leaves are of a whitish green above, and quite a white below; the Flowers are white.

## 23. POLIAN CISTUS.

Character of the Species.

The Leaves are oval and woolly; the Cups are smooth; the Petals are ferrated.

Plate 40. Fig. 3.

*Cistus Polifolius.*Fig. 3. *a b.*

THIS is a Perennial, native of our high grounds; a very pretty Plant of six inches high, flowering in July. The Stalk is of a pale brown; the Leaves are of a whitish green; the Flowers are white.

## 24. NARROW-LEAVED CISTUS.

Character of the Species.

The Leaves are narrow lanced, flat, and smooth, and stand alternate.

Plate 40. Fig. 4.

*Cistus Arabicus.*

THIS is a Perennial, native of Arabia; a Plant of ten inches high, flowering in June. The Stalk is of a dusky brown; the Leaves are of a pale and somewhat yellowish green; the Flowers are cream coloured.

G E N U S

CISTUS  
7



*Hollowid Cistus*



*Sprawling Cistus*



*Polian Cistus*



*Narrow leaved Cistus*







Perennial Flax.

Linnen Flax.

Gummy Flax.

## G E N U S XII.

## F L A X.

Plate 41.

Character of the Genus.

The C U P is small and permanent ; its Leaves are lanced and erect.

The F L O W E R is funnel-shaped ; its Petals are obtuse.

The C A P S U L E is oval, and has ten Cells.

Plate 41. *a b c d e.*

## 1. L I N E N F L A X.

Plate 41. Fig. 1.

Character of the Species.

*Linum Ufitatiffimum.*

The Leaves are lanced and alternate ; the Petals are dented ; the Leaves of the Cup and top of the Capsule are sharp.

Fig. 1. *a b c d.*

THIS is an Annual, native of the south of Europe ; a Plant of a yard high, flowering in July. The Stalk is green ; the Leaves are of a fresh and fine green ; the Flowers are blue.

## . P E R E N N I A L F L A X.

Plate 41. Fig. 2.

Character of the Species.

*Linum Perenne.*

The Leaves are alternate ; the Leaves of the Cup and top of the Capsule are obtuse.

Fig. 2. *a b c.*

THIS is a Perennial, native of our high dry grounds, and also of Siberia ; a Plant of two foot and a half high, flowering in August. The Stalk is greyish ; the Leaves are of a pale green ; the Flowers are of a deep fine blue.

## 3. G U M M Y F L A X.

Plate 41. Fig. 3.

Character of the Species.

*Linum Viscosum.*

The Leaves are lanced and hairy, and have five long ribs.

Fig. 3. *a b c.*

THIS is a Perennial, native of Italy and Germany ; a Plant of two foot high, flowering in June. The Stalk is pale ; the Leaves are of a light pleasing green ; the Flowers are crimson.

## 4. HAIRY CUP'D FLAX.

Plate 42. Fig. 1.

Character of the Species.

The Cups are hairy and sessile, alternate and sharp-pointed; the Stalk spreads at top.

Linum Hirsutum.

Fig. 1. a b c d.

THIS is a Biennial, native of the high pasture grounds in Germany and Tartary; a Plant of two foot high, flowering in July. The Stalk is pale; the Leaves are of a light green; the Flowers are blue.

## 5. CLUSTER FLAX.

Plate 42. Fig. 2.

Character of the Species.

The Leaves of the Cup have long sharp points; the Leaves are lanced, rugged, and sharp-pointed; the Stalk branches from its base.

Linum Narbonense.

Fig. 2. a b c.

THIS is a Perennial, native of the south of France; a Plant of a foot and a half high, flowering in July. The Stalk is pale; the Leaves are of a whitish green; the Flowers are blue.

## 6. EMBROIDERED FLAX.

Plate 42. Fig. 3.

Character of the Species.

The Leaves are edged with rugged stiff hairs; the Leaves of the Cup are sharp-pointed.

Linum Tenuifolium.

Fig. 3. a b c.

THIS is a Perennial, native of the high pasture grounds of France and Switzerland; a Plant of a foot and half high, flowering in July. The Stalk is greyish; the Leaves are of a greyish green; the Flowers are blue, elegantly veined with crimson, sometimes of a paler or deeper blue entirely.

## 7. POOR FLAX.

Plate 42. Fig. 4.

Character of the Species.

The Leaves are linear, distant, and sharp-pointed; the Capsules are obtuse.

Linum Austriacum.

Fig. 4. a b c.

THIS is a Perennial, native of Germany; a Plant of a foot high, flowering in July. The Stalk is pale; the Leaves are of a faint green; the Flowers are blue.

## 8. THREADY



*Hairy Cupd Flax.*



*Cluster Flax.*



*Embroiderd Flax.*



*Poor Flax.*







*Handwritten label for the top-left plant*

*Handwritten label for the top-right plant*

*Handwritten label for the bottom-left plant*

*Handwritten label for the bottom-right plant*





Thready Flax.



Forked Flax.

8. T H R E A D Y F L A X.

Plate 43. Fig. 1.

Character of the Species.

Linum Virginianum.

The footstalks of the Flowers are very slender ; the Flowers stand alternately upon them ; the Cups are sharp-pointed ; the Capsule is obtuse.

Fig. 1. a b c d.

THIS is a Biennial, native of Pennsylvania and Virginia ; a very handsome Plant of a foot high, flowering in July. The Stalk is pale ; the Leaves are of a good green, lightly tinged with brown ; the Flowers are very numerous, and of a beautiful yellow.

9. F O R K E D F L A X.

Plate 43. Fig. 2.

Character of the Species.

Linum Flavum.

The Cups are rugged, and lightly ferrated ; the Stalk is forked ; the Leaves are lanced, and have scarce any footstalks.

Fig. 2. a b c d.

THIS is a Biennial, native of Germany ; a Plant of two foot high, flowering in July. The Stalk is of a ruddy brown ; the Leaves are of a fresh and pleasing green ; the Flowers are of a beautiful gold yellow.

10. E D G E D

## 10. EDGED FLAX.

Plate 44. Fig. 1.

Character of the Species.

The Leaves are lanced, narrow, and rugged at the edges ; the Cups are awl-shaped.

Linum Strictum.

Fig. 1. a b.

THIS is an Annual, native of France and Spain ; a Plant of a foot high, flowering in July. The Stalk is brown ; the Leaves are of a coarse green, rugged at the edge ; the Flowers are numerous, and yellow.

## 11. WOODY FLAX.

Plate 44. Fig. 2.

Character of the Species.

The Leaves are linear, rugged, and sharp-pointed ; the Stem is woody.

Linum Suffruticosum.

THIS is a Perennial, native of Spain ; a Plant of two foot high, flowering in August. The Stalk is brown ; the Leaves are of a dead green ; the Flowers are yellow.

## 12. WEDGY FLAX.

Plate 44. Fig. 3.

Character of the Species.

The Leaves are wedge-shaped ; and the Stem is woody.

Linum arboreum.

Fig. 3. a b c.

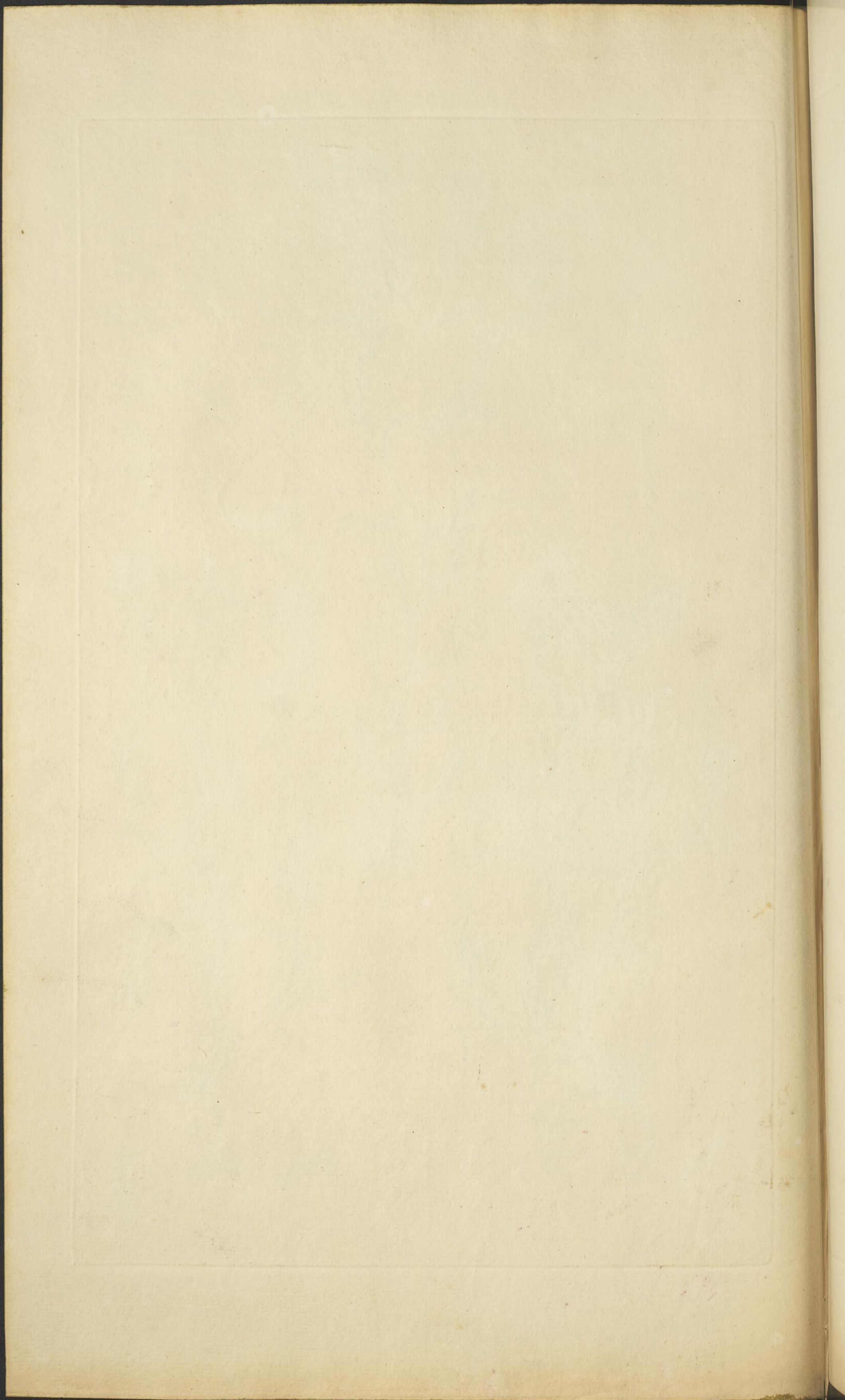
THIS is a Perennial ; a woody Plant of four foot high, native of Italy, and of the Greek Islands : it flowers in August. The Stem is greyish ; the young shoots are green ; the Leaves are of a faint green ; the Flowers are yellow.

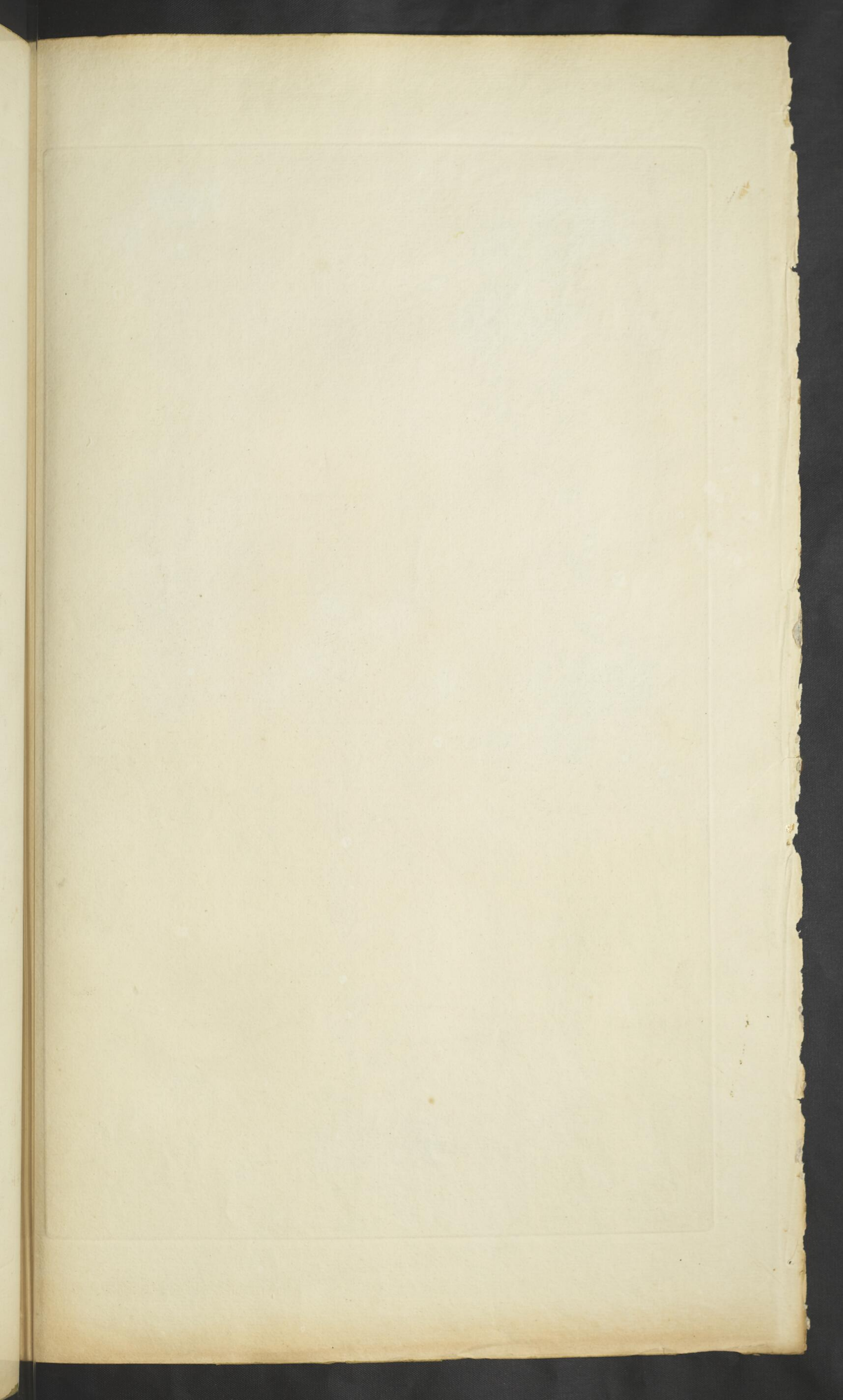
## 13. VARIOUS

FLAX.

4







FLAX.  
5



*Various leaved Flax.*



*Delicate Flax.*



*Sea Side Flax.*

## 13. VARIOUS-LEAVED FLAX.

Plate 45. Fig. 1.

Character of the Species.

Linum Campanulatum.

The lower Leaves are spatula'd, the others lanced, with two glands at the base.

Fig. 1. a b.

THIS is a Perennial, native of France; a very pretty Plant of eight inches high, flowering in August. The Stalk is of a dull green; the Leaves are of a fresh and fair green; the Flowers are of a very beautiful yellow.

## 14. SEA-SIDE FLAX.

Plate 45. Fig. 2.

Character of the Species.

Linum Maritimum.

The Leaves are lanced; the lower in pairs; the upper alternate; the Leaves of the Cup are oval and obtuse.

Fig. 2. a b c.

THIS is a Biennial, native of France and Italy, and of many parts of the East, principally near the sea: it grows to ten inches high, and flowers in July. The Stalk is pale; the Leaves are of a pale but pleasing green; the Flowers are yellow.

## 15. DELICATE FLAX.

Plate 45. Fig. 3.

Character of the Species.

Linum Gallicum.

The Leaves are narrow lanced; the Cups are sharp; the Flowers grow two upon a Footstalk.

Fig. 3. a b c.

THIS is a Biennial, native of the south of France; a Plant of ten inches high, flowering in July. The Stalk is green; the Leaves are of a yellowish green; the Flowers are yellow.

## 16. LOFTY FLAX.

Plate 46. Fig. 1.

Character of the Species.

Linum Africanum.

The Leaves are in pairs, and narrow lanced; the Flowers stand on Footstalks.

Fig. 1. *ab.*

THIS is a Biennial, native of Africa; a Plant of a foot and half high, flowering in June. The Stalk is yellowish green; the Leaves are of a fresh and fine green; the Flowers are yellow.

## 17. JOINT-FLOWERING FLAX.

Plate 46. Fig. 2.

Character of the Species.

Linum Nodiflorum.

The Flowers stand close upon the Stalk, with a pair of lanced Leaves behind them; the Leaves of the Cup are much longer than the Flowers.

Fig. 2. *abc.*

THIS is a Biennial, native of Italy; a Plant of a foot high, flowering in August. The Stalk is of a pale green; the Leaves are of a fresh and fine green; the Flowers are numerous and yellow.

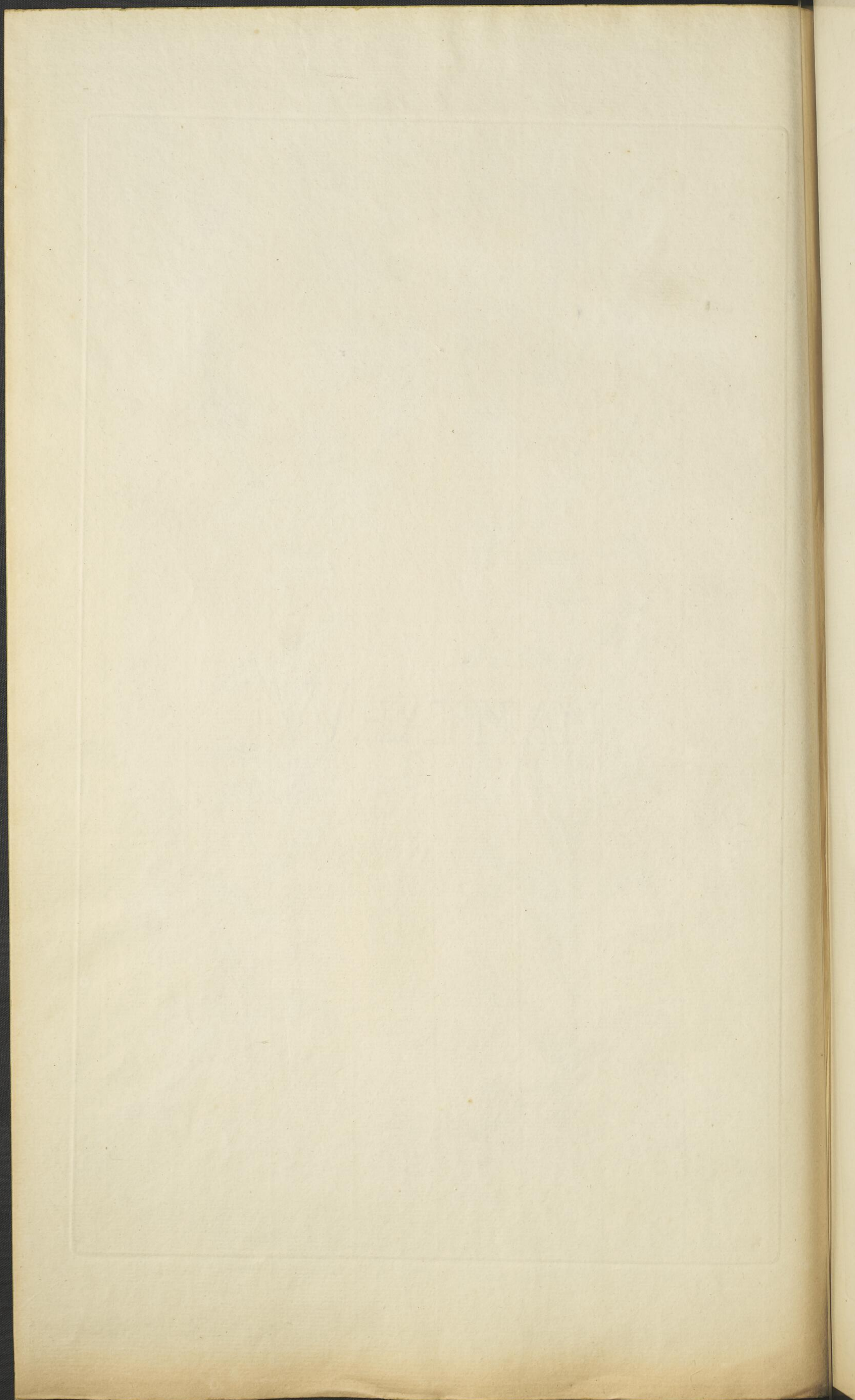
18. MILL

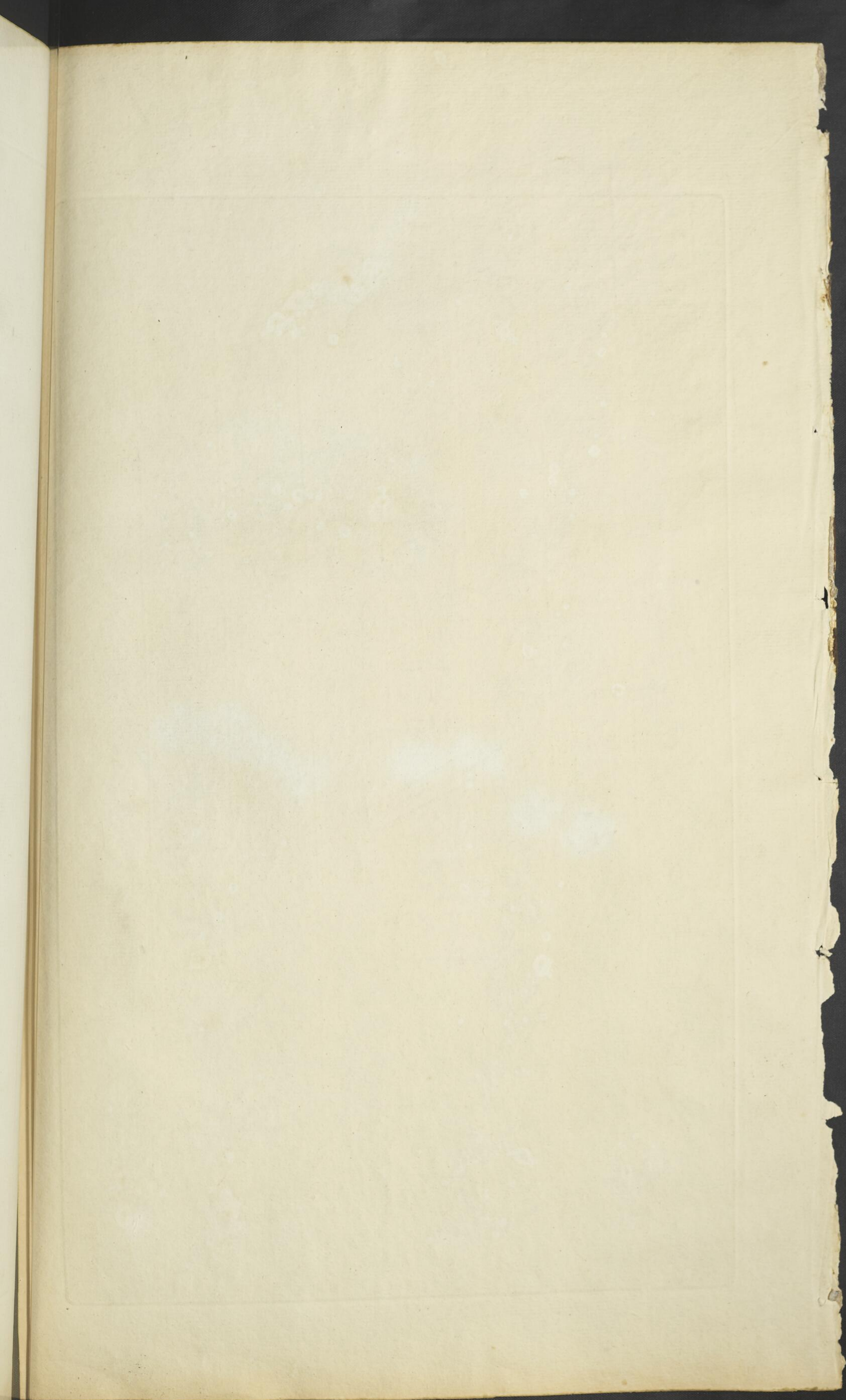
FLAX  
6



Lofty Flax.

Joint flowering Flax.





FLAX.  
7



Mill mountain Flax.



All Seed Flax.



Four leafd Flax.



Spurry Flax.

## 18. MILL MOUNTAIN FLAX.

Plate 47. Fig. 1.

Character of the Species.

Linum Catharticum.

The Stalk is forked; the Leaves are oval, and in pairs; the Petals are sharp-pointed.

Fig. 1. *abc.*

THIS is an Annual, native of our pastures; a Plant of ten inches high, flowering in July. The Stalk is of a faint green; the Leaves are of a strong full green; the Flowers are white.

## 19. ALLSEED FLAX.

Plate 47. Fig. 2.

Character of the Species.

Linum Radiola.

The Leaves are linear, and in pairs; the Stalk is forked; the Flowers have obtuse Petals.

Fig. 2. *abc.*

THIS is an Annual, native of our high grounds; a very little, but wonderfully spreading Plant: it grows to two or three inches high, and flowers in August. The Stalk is brown; the Leaves are of a dull green; the Flowers are white.

## 20. FOUR-LEAVED FLAX.

Plate 47. Fig. 3.

Character of the Species.

Linum Quadrifolium.

The Leaves are linear, and grow by fours.

Fig. 3. *a.*

THIS is an Annual, native of Æthiopia; a Plant of ten inches high, flowering in August. The Stalk is pale; the Leaves are of a dull green; the Flowers are blue.

## 21. VERTICILLATE FLAX.

Plate 47. Fig. 4.

Character of the Species.

Linum Verticillatum.

The Leaves grow many together like a spur round the Stalks.

Fig. 4. *a.*

THIS is an Annual, native of Italy; a Plant of a foot high, flowering in June. The Stalk is of a coarse green; the Leaves are of a somewhat brighter green; the Flowers are blue.

GENUS

## G E N U S XIII.

## E R R O W B A N E.

## L O E F L I N G I A.

Plate 48.

Character of the Genus.

The CUP is of five lanced Leaves, which stand up, and have a dent on each side of the base.

The FLOWER is of five oval Petals, which turn in, and form a globe.

The CAPSULE is oval, with three ribs, and holds a great many oval Seeds.

Plate 48. *a b c d e f g.*

## I. S P R A W L I N G E R R O W B A N E.

Plate 48. Fig. 1.

Character of the Species.

*Loeflingia Hispanica.*

The Leaves have a dent each way near the base; the spikes of Flowers are oval.

Fig. 1. *a b.*

THIS is an Annual, native of the high and barren grounds in Spain; an humble Plant of three inches high, flowering in July. The Stalk is of a pale green; the Leaves are of a good grass green; the Flowers are white; and the Films about the Spikes are brown.

## G E N U S XIV.

## P A T H S O L E.

## P O L Y C A R P O N.

Plate 48.

Character of the Genus.

The CUP is of five lanced, undivided Leaves, which stand upright.

The FLOWER is of five oval Petals, smaller than the Leaves of the Cup.

The CAPSULE is oblong and smooth; the Seeds are hollowed like crescents.

Plate 48. *a b c d e.*

## I. C L U S T E R - H E A D E D P A T H S O L E.

Plate 48. Fig. 2.

Character of the Species.

*Polycarpon Tetraphyllum.*

The Leaves stand four at a joint.

Fig. 2. *a.*

THIS is an Annual; a Weed in the French vineyards: it grows to five inches high, and flowers in May. The Stalk is pale; the Leaves are of a strong but dull green; the Flowers are white.

G E N U S

ERROWBANE.



*Sprawling Errowbane.*

PATHSOLE.



*Cluster headed Pathsole.*

PLANTAE



*Chamaecrista fasciculata*

PLANTAE



*Chamaecrista fasciculata*





Generic Character.



Orpine Greekweed.

## G E N U S XV.

## G R E E K W E E D.

Plate 49.

Character of the Genus.

The CUP is of five lanced, equal, fading Leaves.

The FLOWER is shorter than the Cup: its petals thin and niped; and there is a five-leafed gland within.

The CAPSULE is round, raised in three parts, and the Seeds are triangular.

Plate 49. *abcd.*

## I. O R P I N E G R E E K W E E D.

Tab. 49.

Character of the Species.

*Andrachne Telephoides.*

The Stalks are tender, and lean upon the ground.

Fig. 1. *ab.*

THIS is an Annual, native of the Levant Islands and of the southern parts of Europe; a weak and inconspicuous Plant, but singular, flowering in June. The Stalk is grey; the Leaves are of a pale blueish green; the Flowers are white, prettily variegated with the green of the tops of the Cups and the glands.

## G E N U S XVI.

## M E A D O W S W E E T.

Plate 50.

Character of the Genus.

The CUP is flatted at the base, and has sharp-pointed leafits.

The FLOWER grows to the Cup; its petals are egg-shaped.

The CAPSULE is oval, made up of five or more almost distinct parts.

Plate 50. *abcdé.*

## 1. ROYAL MEADOW SWEET.

Plate 50. Fig. 1.

Character of the Species.

*Spiræa Ulmaria.*The Leaves are winged; the end leaf is large and lobated. Fig. 1. *abc.*

THIS is a Perennial, native of our river sides; a beautiful and fragrant Plant of four feet high, flowering in July. The Stalk is ruddy; the Leaves are of a brownish green; the Flowers are white.

## 2. DROPWORT MEADOW SWEET.

Plate 50. Fig. 2.

Character of the Species.

*Spiræa Filipendula.*The Leaves are winged; the Leafits equal, oblong, and ferrated. Fig. 2. *ab.*

THIS is a Perennial, native of our pastures; a very handsome Plant of three feet high, flowering in June. The Stalk is brown; the Leaves are of a beautiful fresh green; the Flowers are white, but the Buds crimson.

## 3. GOATBEARD MEADOW SWEET.

Plate 50. Fig. 3.

Character of the Species.

*Spiræa Auruncus.*The Leaves are thrice winged; the Flower-spikes hang. Fig. 3. *ab.*

THIS is a Perennial, native of Germany; a handsome Plant of a yard high, flowering in August. The Stalk is reddish; the Leaves are of a dull green; the Flowers are white.

## 4. THREE-LEAVED MEADOW SWEET.

Plate 50. Fig. 4.

Character of the Species.

*Spiræa Trifoliata.*The Leaves grows by threes; the Flowers stand loose. Fig. 4. *ab.*

THIS is a Perennial, native of Canada; a pretty Plant of a foot and a half high, flowering in July. The Stalk is ruddy; the Leaves are of a fresh green; the Flowers are of a bright crimson.

I

Omitted



Royal Meadow Sweet.



Dropwort Meadow Sweet.



Goat beard Meadow Sweet.



Three leaved Meadow Sweet.

1782



*Chrysanthemum leucanthemum*



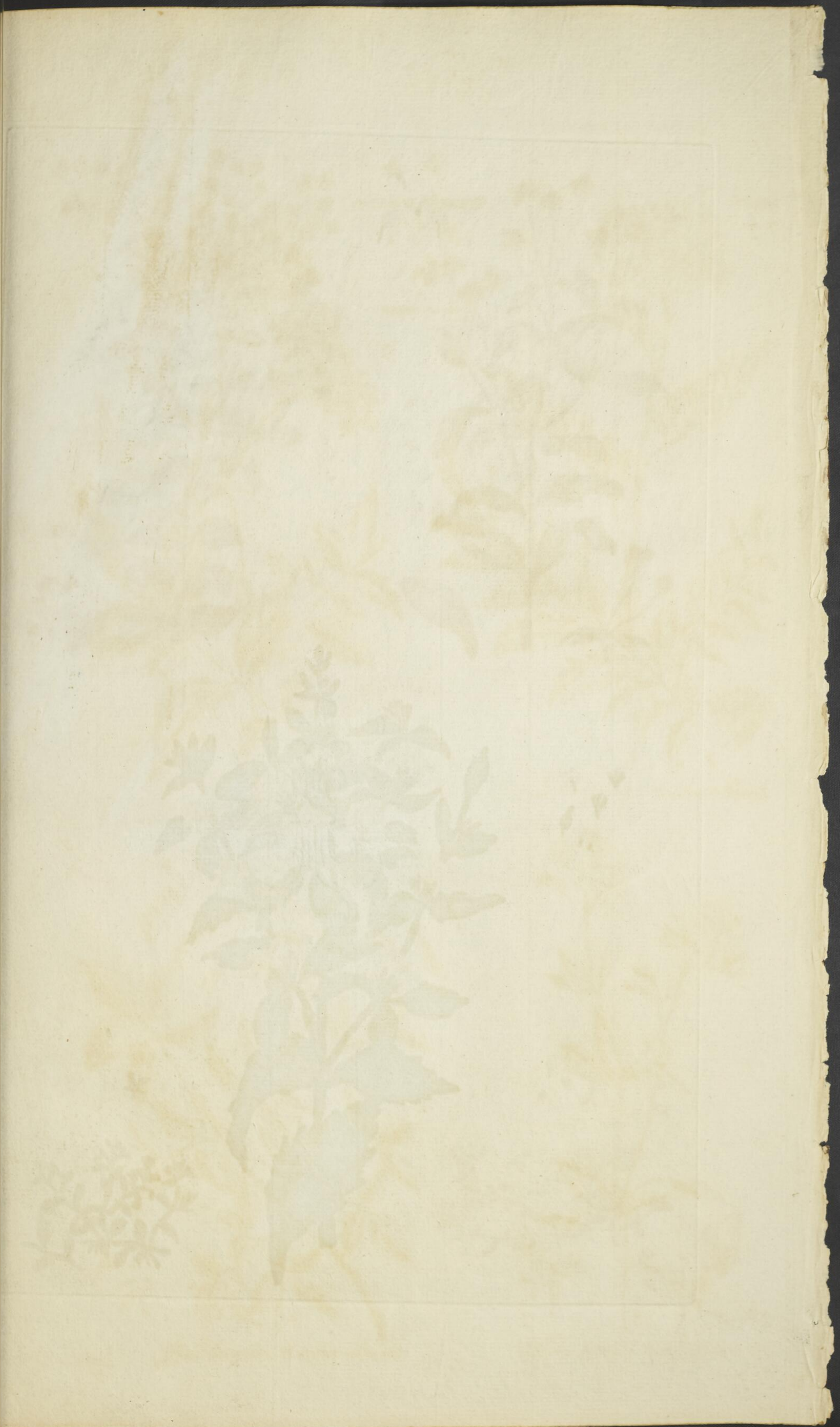
*Chrysanthemum leucanthemum*



*Chrysanthemum leucanthemum*



*Chrysanthemum leucanthemum*



GOLDWEED



Long Stalked Goldweed



Bushy Goldweed

Generic Character

BOSOMWEED



Three leaved Bosomweed

Generic Character

WETWEED



Trailing Wetweed

DAMPWORT



Sanded Dampwort

Generic Character

## G E N U S III.

## D A M P W O R T.

Plate 51. Fig. 3.

Character of the Genus.

The CUP is permanent, and formed of two, sometimes three, oval, hollow Leaves.

The FLOWER has four, often five segments; three of them usually are smaller than the others; all equal sometimes.

The CAPSULE is oval, with one Cell and three Seeds.

Plate 51. *a b c d e*.

## I. L A N C E D W E T W E E D.

Plate 51. Fig. 3.

Character of the Species.

Montia Fontana.

The Leaves are lanced and obtuse.

THIS is an Annual, native of our wet grounds; a Plant of three inches high, flowering in April. The Stalk is red; the Leaves are of a fresh green; the Flowers are white.

## G E N U S IV.

## W E T W E E D.

Plate 51. Fig. 4.

Character of the Genus.

The CUP is permanent, and longer than the Flower; the segments are lanced.

The FLOWER has a globular tube, and four flat oval segments.

The CAPSULE is globular, with one Cell, and many Seeds.

Plate 51. *a b c d e*.

## I. T R A I L I N G W E T W E E D.

Plate 51. Fig. 4.

Character of the Species.

Centunculus Minimus.

The Stalk leans.

THIS is an Annual, native of our wet grounds; a Plant of two inches high, flowering in June. The Stalk is of a reddish brown; the Leaves are of a fresh green; the Flowers are white.

G E N U S

Omitted in Vol. IX. and to be inserted there.

## G E N U S I.

## G O L D W E E D.

Plate 51. Fig. 1.

Character of the Genus.

The CUP is permanent, and has four oval, obtuse, raised segments.

The FLOWER is permanent; its tube is globular; its segments rounded.

The CAPSULE is roundish, with two Cells, and many Seeds.

Plate 51. Fig. 1. *abcde.*

## 1. B U S H Y G O L D W E E D.

Plate 51. Fig. 1.

Character of the Species.

The Flowers have no footstalks.

*Exacum Sessile.*

Fig. 1. *ab.*

THIS is a Biennial, native of Africa and the East Indies; a Plant of eight inches high, flowering in August. The Stalk is brown; the Leaves are of a yellowish green; the Flowers are yellow.

## 2. L O N G - S T A L K E D G O L D W E E D.

Plate 51. Fig. 2.

Character of the Species.

The Flowers have footstalks.

*Exacum Pedunculatum.*

Fig. 2. *ab.*

THIS is an Annual, native of the East Indies; a Plant of ten inches high, flowering in July. The Stalk is of a pale green; the Leaves are of a faint green; the Flowers are yellow.

## G E N U S II.

## B E S O M W E E D.

Plate 51. Fig. 2.

Character of the Genus.

The CUP is hollow, and has four narrow, rugged segments.

The FLOWER spreads; its segments are obtuse.

The CAPSULE is conic, sharp-pointed, with one Cell, and many Seeds.

Plate 51. *abcde.*

## 1. T H R E E - L E A V E D B E S O M W E E D.

Plate 51. Fig. 2.

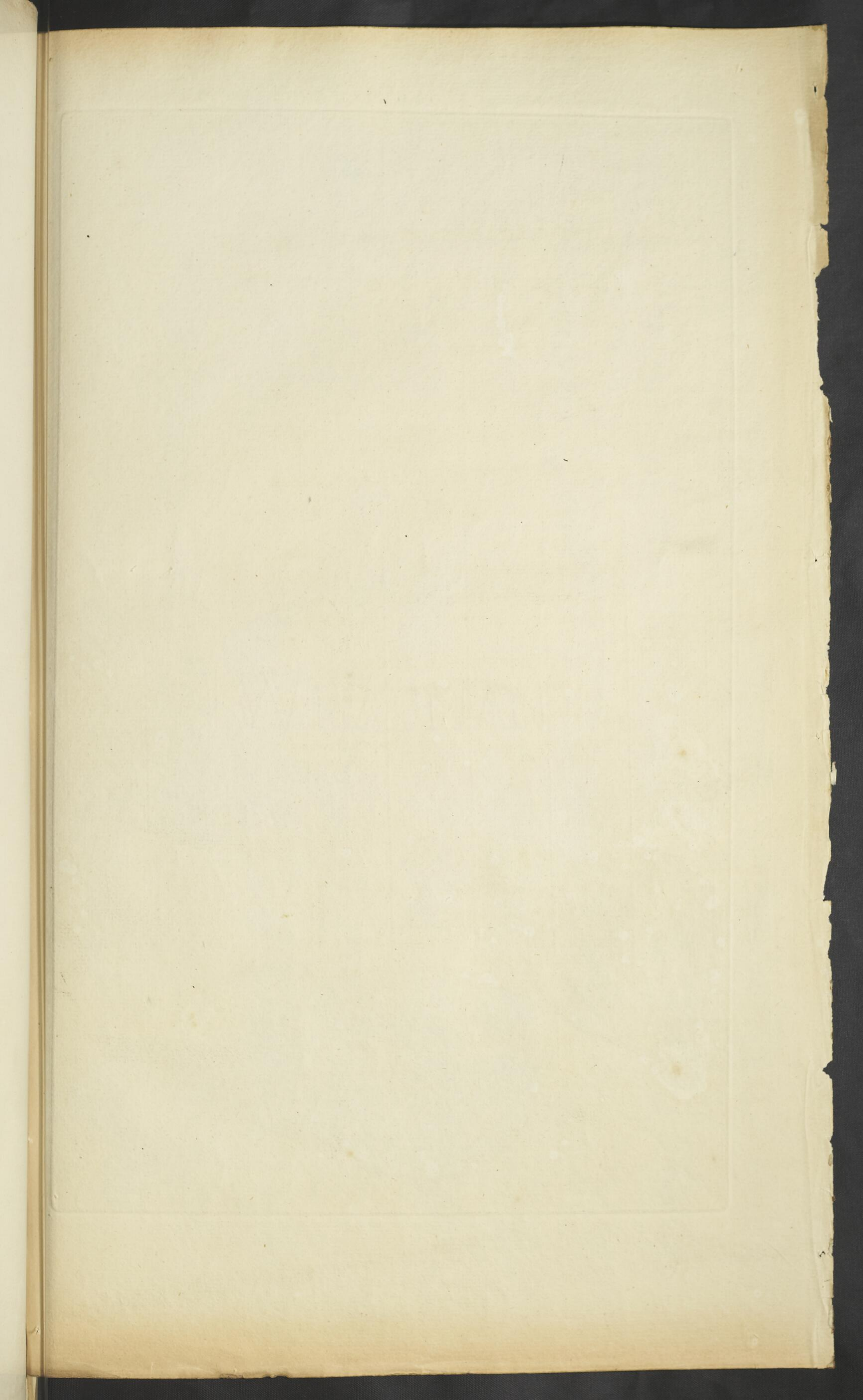
Character of the Species.

The Leaves grow by threes; the Flowers have footstalks. Fig. 2. *ab.*

*Scoparia Dulcis.*

THIS is an Annual, native of the West Indies; a Plant of ten inches high, flowering in August. The Stalk is brown; the Leaves are of a fresh green; the Flowers are white.

G E N U S



PLANTAIN

Pl. 52

Generic Character



Great Smooth Plantain

Great Rough Plantain

Ribwort Plantain

Vol. 14

## G E N U S V.

## P L A N T A I N.

Plate 52.

Character of the Genus.

The STALK is simple and naked.

The CUP is short, and has four obtuse segments.

The FLOWER is swollen, and its segments turn back.

The CAPSULE has two Cells:

Plate 52. a b c d e.

## 1. GREAT SMOOTH PLANTAIN.

Plate 52. Fig. 1.

Character of the Species.

Plantago Major.

The Leaves are oval and smooth; the Stalk is round; the Flowers are imbricated.

Fig. 1. a b c.

THIS is a Perennial, native of our waste grounds every where: it grows to a foot high, and flowers in July. The Leaves are of a dull coarse green; the Stalk is of a paler green; the Flowers are greenish white.

## 2. GREAT ROUGH PLANTAIN.

Plate 52. Fig. 2.

Character of the Species.

Plantago Media.

The Leaves are broad lanced and hoary: the Spike is cylindric; the Stalk round.

Fig. 2. a b.

THIS is a Perennial, native of our pasture grounds and way sides; a Plant of ten inches high, flowering in July. The Stalk is whitish; the Leaves are of a pale green; the Flowers are white.

## 3. RIBWORT PLANTAIN.

Plate 52. Fig. 3.

Character of the Species.

Plantago Lanceolata.

The Stalk is angulated; the Leaves are narrow lanced; the Spike is oval.

Fig. 3. a b.

THIS is a Perennial, native of our waste grounds every where; it grows to ten inches high, and flowers in July. The Stalk is of a pale green; the Leaves are of a coarse green; the Flowers are white.

## 4. ASIATIC PLANTAIN.

Plate 53. Fig. 1.

Character of the Species.

Plantago Asiatica.

The Stalk is angulated; the Leaves are oval and smooth; the Flowers stand distant in the spike.

Fig. 1. *abc*.

THIS is a Perennial, native of China and Tartary; a Plant of a foot and a half high, flowering in August. The Leaves are of a pale green; the Stalk is whitish; the Flowers are white.

## 5. VIRGINIAN PLANTAIN.

Plate 53. Fig. 2.

Character of the Species.

Plantago Virginea.

The Leaves are broad lanced, hoary, and lightly dented; the Stalk is angulated; the Spike is cylindric.

Fig. 2. *abc*.

THIS is an Annual, native of North America; a Plant of six inches high, flowering in August. The Stalk is whitish; the Leaves are of a pale but pleasing green; the Flowers are white.

## 6. HAREFOOT PLANTAIN.

Plate 53. Fig. 3.]

Character of the Species.

Plantago Lagopus.

The Leaves are lanced, and lightly dented; the Spike is round and hairy.

Fig. 3. *abc*.

THIS is a Perennial, native of France, Spain, and Portugal; a Plant of four inches high, flowering in July. The Stalk is brown; the Leaves are of a fresh light green; the Flowers are white.

## 7. ITALIAN PLANTAIN.

Plate 53. Fig. 4.

Character of the Species.

Plantago Altissima.

The Stalk is angulated; the Leaves are lanced, dented, and smooth; the spike is cylindric.

Fig. 4. *abc*.

THIS is a Perennial, native of Italy; a Plant of a yard high, flowering in August. The Leaves are of a coarse green; the Stalk is brownish; the Flowers are white.

## 8. WHITE PLANTAIN.

Plate 53. Fig. 5.

Character of the Species.

Plantago Albicans.

The Leaves are lanced, oblique, and hairy; the Spike is cylindric.

Fig. 5. *ab*.

THIS is a Perennial, native of Spain and France; a Plant of five inches high, flowering in June. The Stalk is whitish; the Leaves are of a pale but pleasing green; the Flowers are white.

## 9. BROAD THREE-RIB'D PLANTAIN.

Plate 53. Fig. 6.

Character of the Species.

Plantago Lusitanica.

The Leaves are broad lanced, with three ribs; the Stalk is angulated; the Spike is hairy.

Fig. 6. *abc*.

THIS is a Biennial, native of Portugal; a Plant of four inches high, flowering in June. The Stalk is pale; the Leaves are of a faint green; the Flowers are white.

10. S L E N-

Pl 53

Pl 53

PLANTAIN  
2



Virginia Plantain

Hares foot Plantain

Italian Plantain

Broad Three ribbed Plantain

Asiatic Plantain

White Plantain

Fol. 14





PLANTAIN  
3



*Slender Plantain*



*5 Buckshorn Plantain*



*2 Woolly Plantain*



*Three Edgd Plantain*



*6 Strange Plantain*

10. SLENDER PLANTAIN.

Plate 54. Fig. 1.

Character of the Species.

Plantago Alpina.

The Leaves are linear, hairy, and flat; the Spike is oblong and erect.

Fig. 1. a b c.

THIS is a Perennial, native of the Swiss mountains; a pretty little Plant of four inches high, flowering in August. The Stalk is brown; the Leaves are of a pale, pleasing green; the Flowers are whitish.

11. WOOLLY PLANTAIN.

Plate 54. Fig. 2.

Character of the Species.

Plantago Cretica.

The Leaves are linear; the Stalk is short and woolly; the Spike is roundish, and droops.

Fig. 2. a b c.

THIS is a Perennial, native of Crete; a Plant which hardly rises from the ground: it flowers in June. The Leaves are whitish; the Stalk is white and woolly; the Flowers are white.

12. THREE-EDGED PLANTAIN.

Plate 54. Fig. 3.

Character of the Species.

Plantago Subulata.

The Leaves are narrow, three cornered, striated, and rugged; the Stalk is round.

Fig. 3. a b.

THIS is a Perennial, native of the coast of the Mediterranean; a Plant of three inches high, flowering in June. The Stalk is pale; the Leaves are of a faint green, and rugged to the touch; the Flowers are white.

13. BUCKSHORN PLANTAIN.

Plate 54. Fig. 4.

Character of the Species.

Plantago Coronopus.

The Leaves are linear, and deep dented; the Stalk is round.

Fig. 4. a b.

THIS is a Biennial, native of our dry grounds; a very pretty Plant, flowering in June. The Stalk is pale; the Leaves are of a fresh fine green; the Flowers are white.

14. STRANGE PLANTAIN.

Plate 54. Fig. 5.

Character of the Species.

Plantago Uniflora.

The Stalk supports only one Flower.

Fig. 5. a b.

THIS is a Biennial, native of our wet grounds; a Plant of an inch and half high, flowering in June. The Stalk is pale; the Leaves are of a very fine green; the Flower is white, with very long filaments.

15. S E A

## 15. SEA PLANTAIN.

Plate 55. Fig. 1.

Character of the Species.

Plantago Maritima.

The Leaves are semi-cylindric, and woolly at the base; the Stalk is cylindrical.

Fig. 1. a b.

THIS is a Perennial, frequent on our sea-coasts and those of North America; a Plant of five inches high, flowering in June. The Stalk is pale; the Leaves are of a blueish green; the Flowers are white.

## 16. NARROW FIVE-RIB'D PLANTAIN.

Plate 55. Fig. 2.

Character of the Species.

Plantago Serraria.

The Leaves are lanced and ferrated; the Stalk is round.

Fig. 2. a b.

THIS is a Perennial, native of Italy and of Africa; a Plant of seven inches high, flowering in June. The Stalk is of a pale greyish green; the Leaves are of a coarse green; the Flowers are white.

## 17. FILMY PLANTAIN.

Plate 55. Fig. 3.

Character of the Species.

Plantago Læflingii.

The Leaves are linear and dented; the Stalk is round; the Spike is oval with loose set Flowers, and hollow Films between.

Fig. 3. a b.

THIS is an Annual, native of our sea-coasts; a Plant of six inches high, flowering in May. The Stalk is greyish; the Leaves are of a strong green; the Flowers are white.

GENUS

PLANTAIN  
4



Sea Plantain



narrow five rib'd Plantain

Filmy Plantain





FLEAWORT

Pl 56  
a c b  
Generic Character



Scaly headed Fleawort

Naked Fleawort

Jagged woody Fleawort

Evergreen Fleawort

## G E N U S VI.

## F L E A W O R T.

Plate 56.

Character of the Genus.

The PLANT is branched and leafy.

The CUP is small, and has four pointed segments.

The FLOWER is swollen, and turns back at the edge.

The CAPSULE has two cells.

Plate 56. *a b c d e*.

## 1. NAKED FLEAWORT.

Plate 56. Fig. 1.

Character of the Species.

Plantago Psyllium.

No Leaves grow under the heads of Flowers; the Leaves are dented, and turn back.

Fig. 1. *a b*.

THIS is an Annual, native of Italy and the south of France; a Plant of eight inches high, flowering in July. The Stalk is of a faint green; the Leaves are of a fresh good green; the Flowers are white.

## 2. LEAFY-HEADED FLEAWORT.

Plate 56. Fig. 2.

Character of the Species.

Plantago Indica.

The heads have Leaves at their base; the Leaves are undivided, and turn back.

Fig. 2. *a b c*.

THIS is an Annual, native of Ægypt and the East; a branchy Plant of ten inches high, flowering in August. The Stalk is pale; the Leaves are of a fresh green; the Flowers are greenish white.

## 3. EVERGREEN FLEAWORT.

Plate 56. Fig. 3.

Character of the Species.

Plantago Cynops.

The Stalk is woody; the Leaves are tender; there are Leaves under the heads.

Fig. 3. *a b*.

THIS is a Perennial, native of France and Italy; a woody Plant of six or eight inches high, flowering in August. The Stalk is red; the Leaves are of a fresh green; the Flowers are white.

## 4. JAGGED WOODY FLEAWORT.

Plate 56. Fig. 4.

Character of the Species.

Plantago Afra.

The Stalk is woody; the Leaves are lanced and dented.

Fig. 4. *a b*.

THIS is a Perennial, native of Barbary and of Sicily; a woody Plant of two feet high, flowering in July. The Stalk is pale; the Leaves are of a faint green; the Flowers are white.

## G E N U S VII.

## V A L E R I A N.

Plate 57.

Character of the Genus.

The CUP is very small, and lightly dented in five.

The FLOWER has a swelling on one side of its tube.

The CAPSULE is delicate, thin, deciduous, and crowned with the Cup.

Plate 57. *abcd.*

## I. GREAT WILD VALERIAN.

Plate 57. Fig. 1.

Character of the Species.

Valeriana Officinalis.

The Leaves are all winged, and there are three filaments in the Flower.

Fig. 1. *ab.*

THIS is a Biennial, native of our heaths and river sides; a Plant of a yard high, flowering in July. The Stalk is whitish; the Leaves are of a faint green; the Flowers are crimson.

THE Root of this is the Valerian famous in nervous disorders; but the Plants on heaths, and dry grounds, only, have the full virtue.

## 2. GREAT GARDEN VALERIAN.

Plate 57. Fig. 2.

Character of the Species.

Valeriana Phu.

The Root-leaves are oval; those on the Stalk are winged.

Fig. 2. *ab.*

THIS is a Perennial, native of Italy; a Plant of two feet and a half high, flowering in May. The Stalk is pale; the Leaves are of a light, but pleasing green; the Flowers are white.

## 3. SMALL MARSH VALERIAN.

Plate 57. Fig. 3.

Character of the Species.

Valeriana Dioecia.

The Leaves are winged; the Leaflets undivided.

Fig. 3. *ab.*

THIS is a Perennial, native of our wet grounds; a Plant of a foot high, flowering in July. The Stalk is pale; the Leaves are of a faint green; the Flowers are white, with a light tinge of crimson.

## 4. SPUR'D

Pl. 57

VALERIAN

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Generic Characters

Valerian

Great wild Valerian

Small Marsh Valerian

Great Garden Valerian

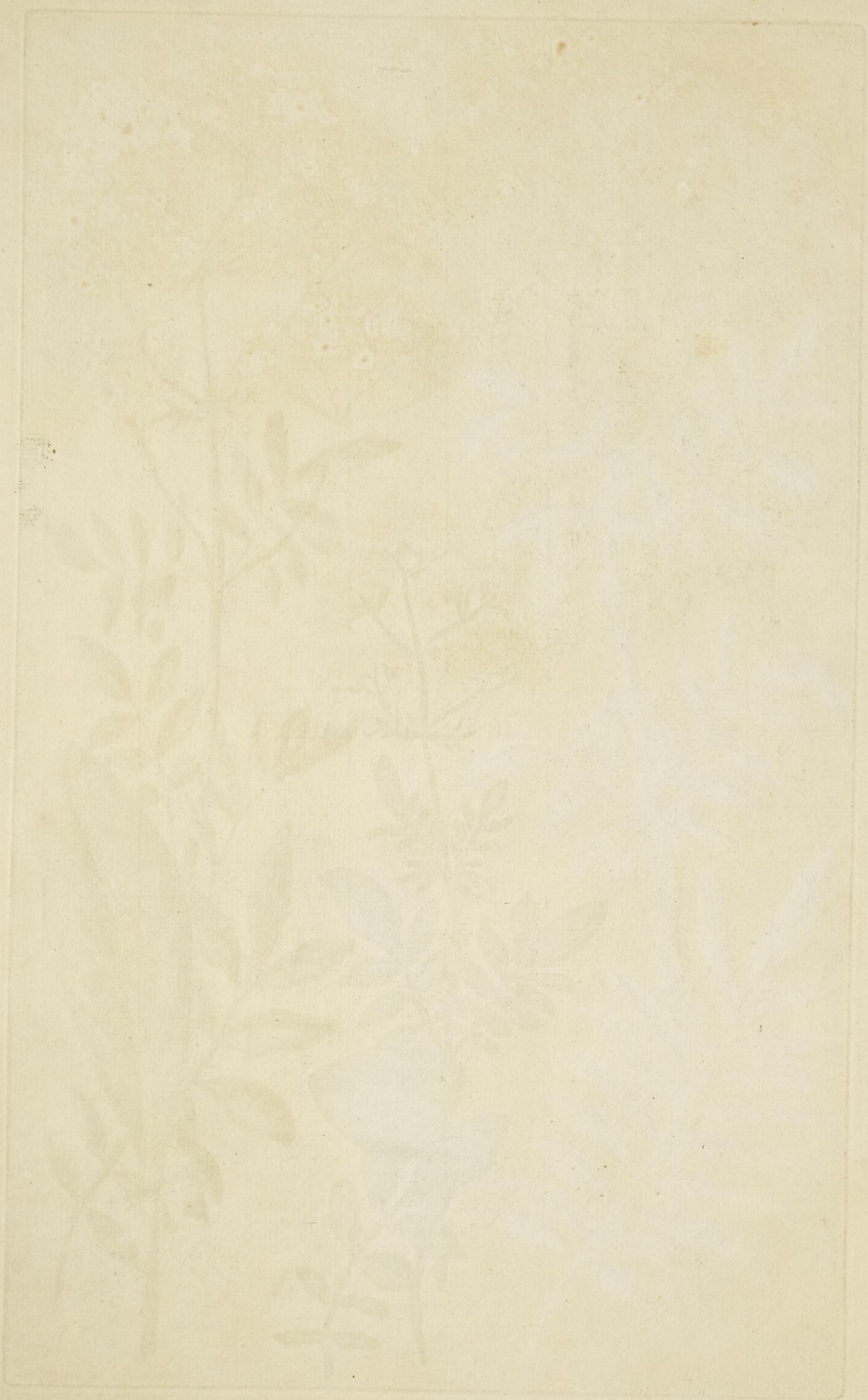
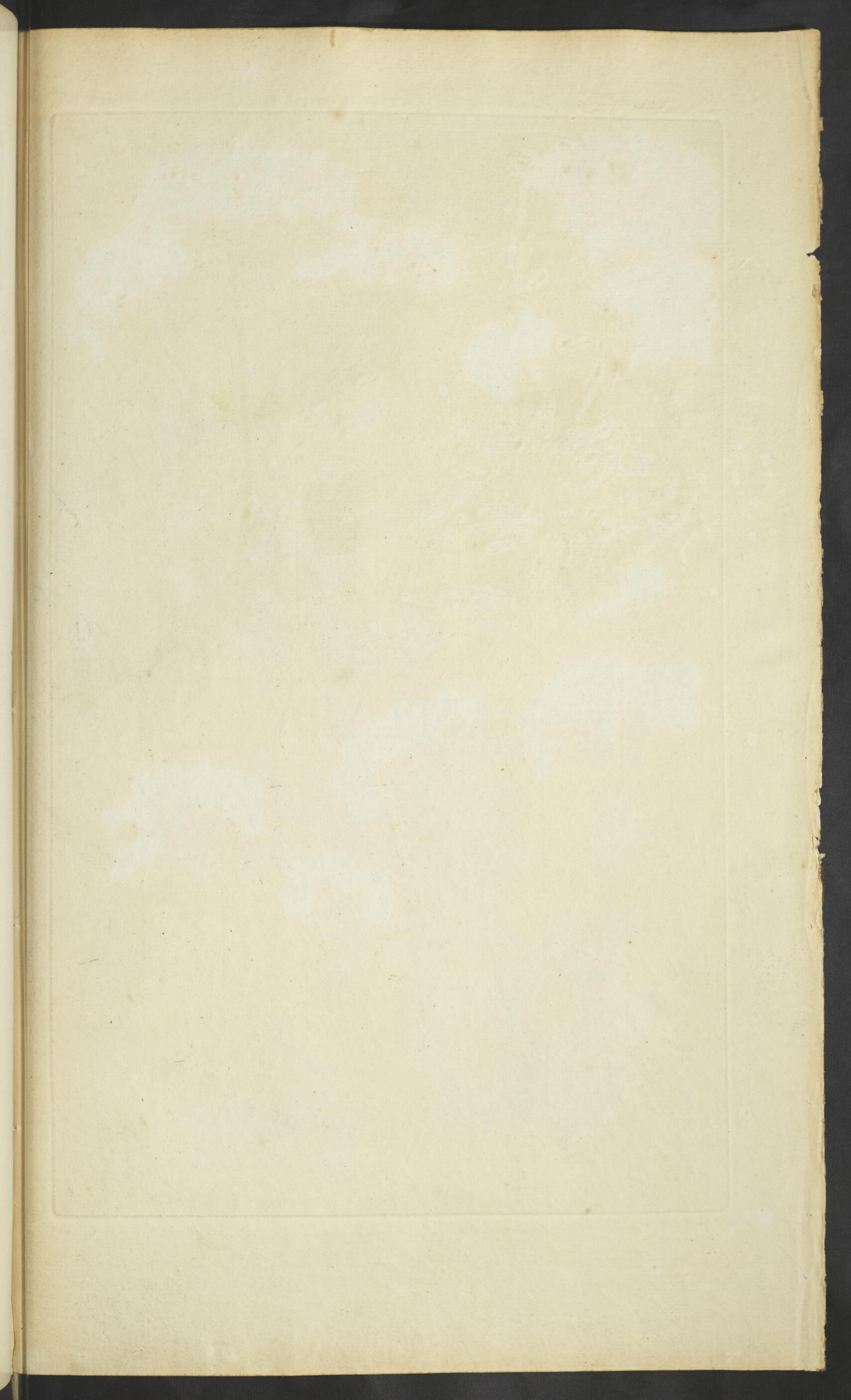


Fig. 1

1842



2



*Sword Valerian*



*Pinatifid Valerian*



*Celtic Valerian*



*Oval simple stalked Valerian*



*1*

*a*

*b*

*3*

*a*

*b*

## 4. SPUR'D VALERIAN.

Plate 58. Fig. 1.

Character of the Species.

Valeriana Rubra;

The swelling in the tube of the Flower runs out into a spur; the Leaves are undivided.

Fig. 1. a b.

THIS is a Perennial, native of the several parts of Europe and the East; a Plant of two feet high, flowering in June. The Stalk is pale; the Leaves are of a glossy, blueish green; the Flowers are crimson.

## 5. PINNATIFID VALERIAN.

Plate 58. Fig. 2.

Character of the Species.

Valeriana Calcitrapoides.

The Leaves are pinnatifid, elegantly divided; the Flower has but one filament.

Fig. 2. a b.

THIS is an Annual, native of Portugal and of the East; a Plant of ten inches high, flowering in July. The Stalk is pale; the Leaves are of a fresh green; the Flowers pale red.

## 6. OVAL SIMPLE-STALKED VALERIAN.

Plate 58. Fig. 3.

Character of the Species.

Valeriana Montana.

The Stalk is undivided; the Leaves are oblong, oval, and dented. Fig. 3. a b.

THIS is a Perennial, native of the Pyrenees and of Switzerland; a Plant of seven inches high, flowering in June. The Stalk is whitish; the Leaves are of a faint green; the Flowers are white, with a very slight dash of crimson.

## 7. CELTIC VALERIAN.

Plate 58. Fig. 4.

Character of the Species.

Valeriana Celtica;

The Leaves are oblong, oval, obtuse, and undivided. Fig. 4. a b.

THIS is a Perennial, native of the mountains of Switzerland and most other of the northern parts of Europe; a Plant of eight inches high, flowering in July. The Stalk is of a light green; the Leaves are of a fresher green; the Flowers are white.

8. C O R-

## 8. CORNUCOPIA VALERIAN.

Plate 59. Fig. 1.

Character of the Species.

Valeriana Cornucopia.

The Flower gapes, and has but two filaments; the Leaves are oval, without footstalks.

Fig. 1. *a b.*

THIS is an Annual, native of Europe, Africa, and America; a Plant of ten inches high, flowering in August. The Stalk is yellowish green; the Leaves are of a faint green; the Flowers are purple.

## 9. BROAD-HEADED VALERIAN.

Plate 59. Fig. 2.

Character of the Species.

Valeriana Tripteris.

The Root-leaves are heart-shaped, those on the Stalk stand by threes, and are oblong.

Fig. 2. *a b.*

THIS is a Perennial, native of Switzerland; a Plant of six inches high, flowering in July. The Stalk is of a light green; the Leaves are of a light pale, but pleasing green; the Flowers are white.

## 10. FEW-FLOWERED VALERIAN.

Plate 59. Fig. 3.

Character of the Species.

Valeriana Tuberosa.

The Root-leaves are lanced and undivided; those on the Stalk are winged at the base.

Fig. 3. *a b.*

THIS is a Perennial, native of France; a Plant of eight inches high, flowering in August. The Stalk is of a faint green; the Leaves are of a glossy green; the Flowers are white.

## 11. ROCK VALERIAN.

Plate 59. Fig. 4.

Character of the Species.

Valeriana Saxatilis.

The Root-leaves are oval and ferrated; those on the Stalk are linear and dented.

Fig. 4. *a b c.*

THIS is a Perennial, native of Germany and Italy; a Plant of ten inches high, flowering in June. The Stalk is brown; the Leaves are of a pleasing green; the Flowers are white.

## 12. VARIOUS-LEAVED WHITE VALERIAN.

Plate 59. Fig. 5.

Character of the Species.

Valeriana Pyrenaica.

The Leaves are heart-shaped, ferrated, and placed on footstalks; the upper ones grow by threes.

Fig. 5. *a b.*

THIS is a Perennial, native of the Pyrenees and of Scotland; a Plant of a foot high, flowering in June. The Stalk is greenish; the Leaves are of a light green; the Flowers are white.

## 13. CHINESE

Pl. 59

VALERIAN

Pl. 59



Cornucopian Valerian

Broad headed Valerian



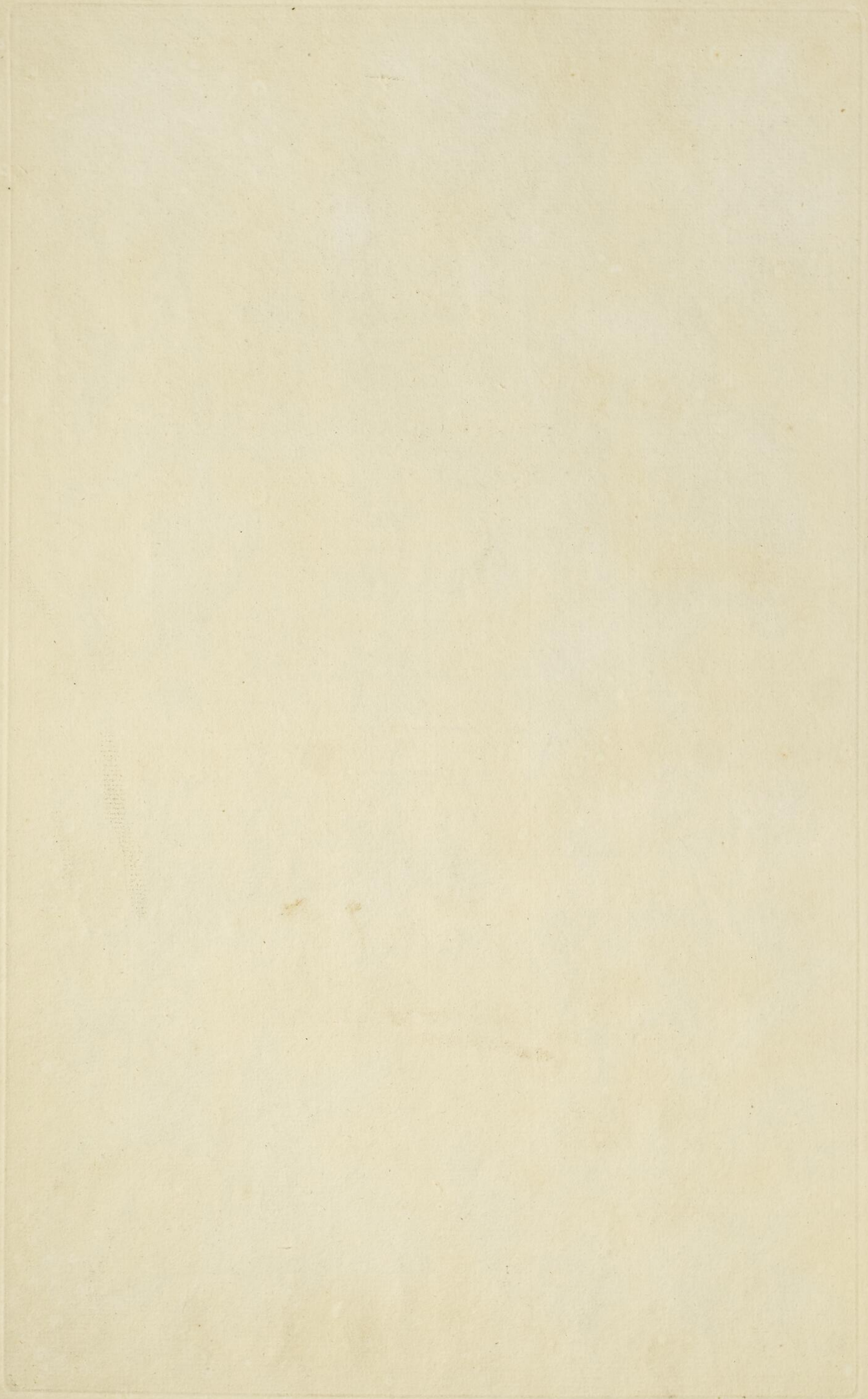
Rock Valerian

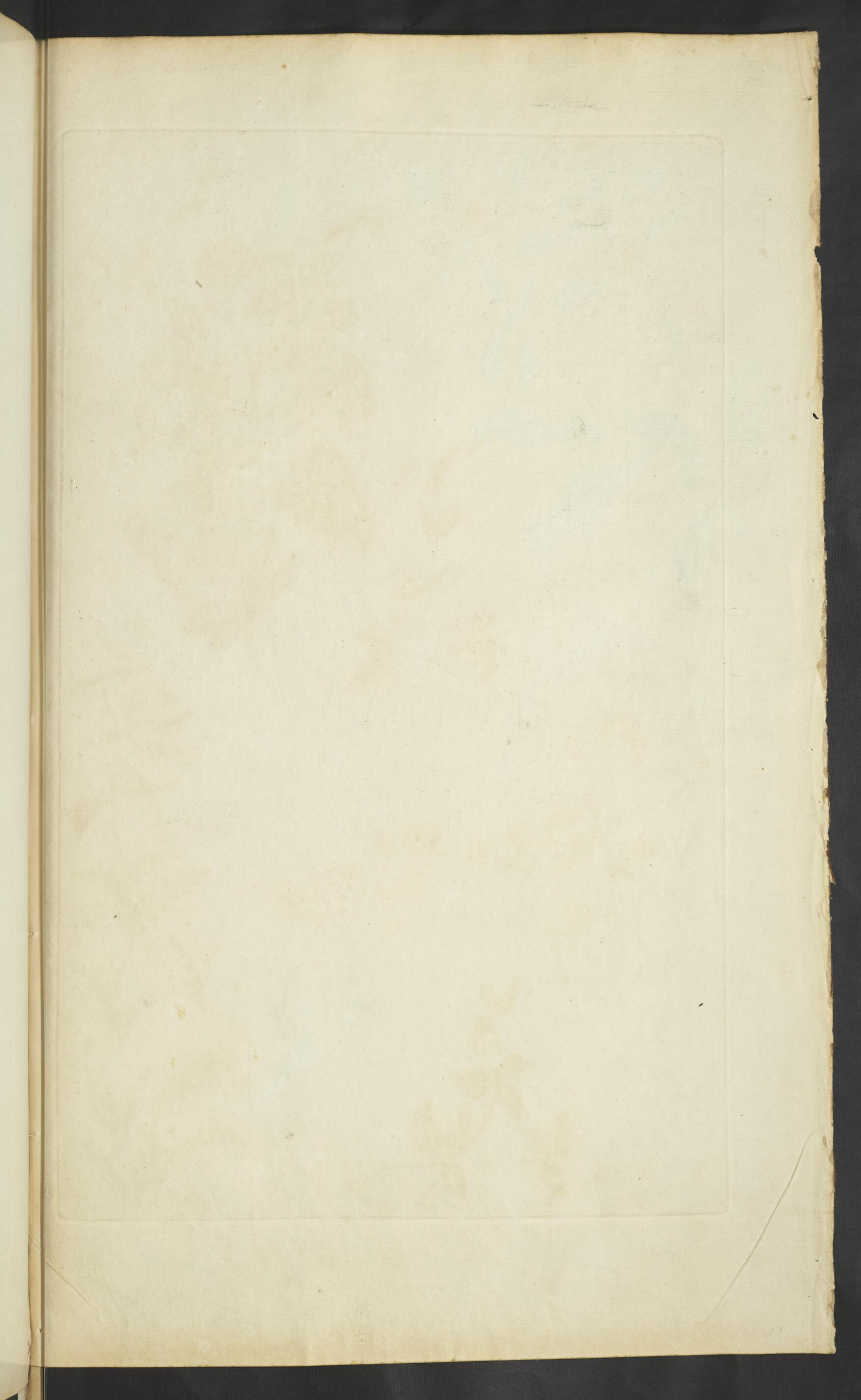


Few flowered Valerian



Various leaved white Valerian







VALERIAN  
4

Pl 60

Cornsallad Valerian

Chinese Valerian

Prickly headed Valerian

Four forked Valerian

Climbing Valerian

Valerian of Siberia

## 13. CHINESE VALERIAN.

Plate 60. Fig. 1.

Character of the Species.

Valeriana Chinenfis.

The Leaves are hearted, and cut into great obtuse divisions. Fig. 1. *ab*.

THIS is a Biennial, native of China; a Plant of fifteen inches high, flowering in August. The Stalk is of a fresh green; the Leaves are of a strong coarse green; the Flowers are crimson.

## 14. CORN-SALLAD VALERIAN.

Plate 60. Fig. 2.

Character of the Species.

Valeriana Locusta.

The Leaves are linear; and the Stalk is forked. Fig. 2. *ab*.

THIS is an Annual, native of our corn-fields; a little Plant of eight inches high, flowering in May. The Stalk is pale; the Leaves are of a fresh green; the Flowers are of a blueish white.

## 15. PRICKLY-HEADED VALERIAN.

Plate 60. Fig. 3.

Character of the Species.

Valeriana Echinata.

The Leaves are deep dented; the Seeds are prickly, with three points. Fig. 3. *abc*.

THIS is an Annual, native of France and Italy; a Plant of ten inches high, flowering in August. The Stalk is of a fresh green tinged with brown; the Leaves are of a bright green; the Flowers are white.

## 16. VALERIAN of SIBERIA.

Plate 60. Fig. 4.

Character of the Species.

Valeriana Sibirica.

The Leaves are pinnatifid; there grows an oval chaff under the Seeds. Fig. 4. *ab*.

THIS is an Annual, native of Siberia; a Plant of ten inches high, flowering in August. The Stalk is greyish; the Leaves are of a fresh green; the Flowers are yellow.

## 17. FOUR-FORKED VALERIAN.

Plate 60. Fig. 5.

Character of the Species.

Valeriana Mixta.

The lower Leaves are twice winged; the Stalk is forked in four. Fig. 5. *abc*.

THIS is a Biennial, native of Montpellier; a Plant of a foot high, flowering in August. The Stalk is of a light green; the Leaves are of a fresher green; the Flowers pale red.

## 18. ARROW-LEAVED VALERIAN.

Plate 60. Fig. 6.

Character of the Species.

Valeriana Elongata.

The Root-leaves are oval; those on the Stalk are arrowed, hearted and cut. Fig. 6. *ab*.

THIS is a Biennial, native of Germany; a weak Plant of a foot high, flowering in July. The Stalk is green, tinged with brown; the Leaves are of a strong green; the Flowers are white.

## 19. CLIMBING VALERIAN.

Plate 60. Fig. 7.

Character of the Species.

Valeriana Scandens.

The Stalk climbs; the Leaves grow by threes. Fig. 7. *ab*.

THIS is a Biennial, native of the south of Europe; a Plant of a foot high, flowering in July. The Stalk is reddish; the Leaves are of a fresh green, tinged with brown; the Flowers pale red.

END of the FOURTEENTH VOLUME.

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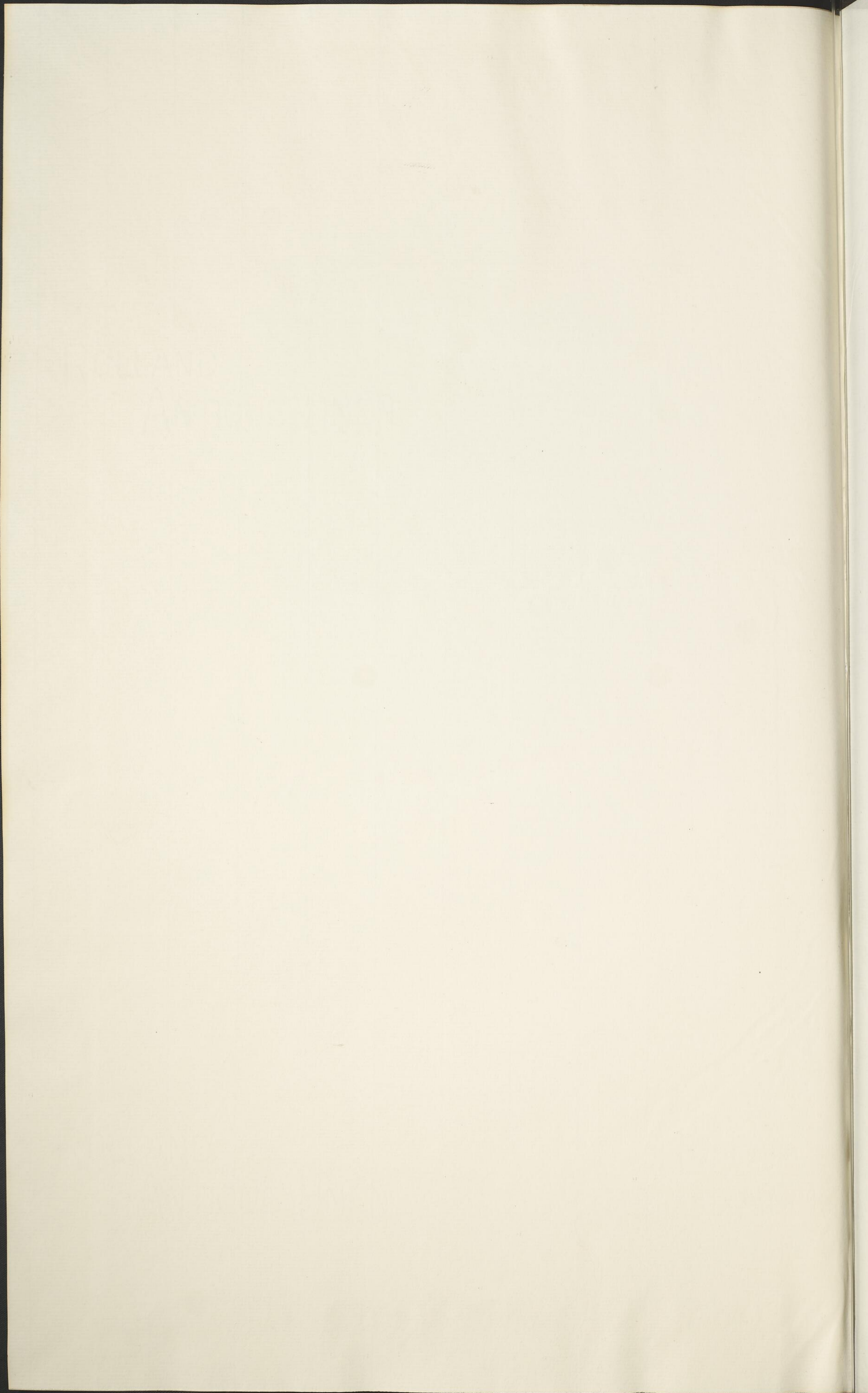
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LINEN

ROLLAND

ANTIQUE LINEN

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