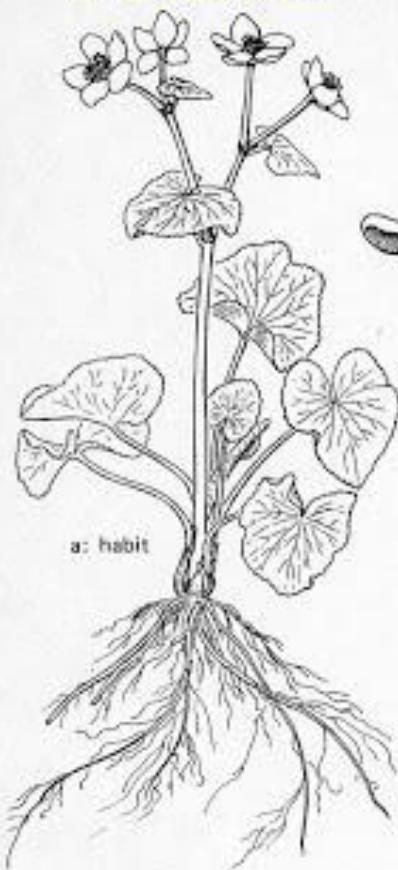


Dodatni materijal

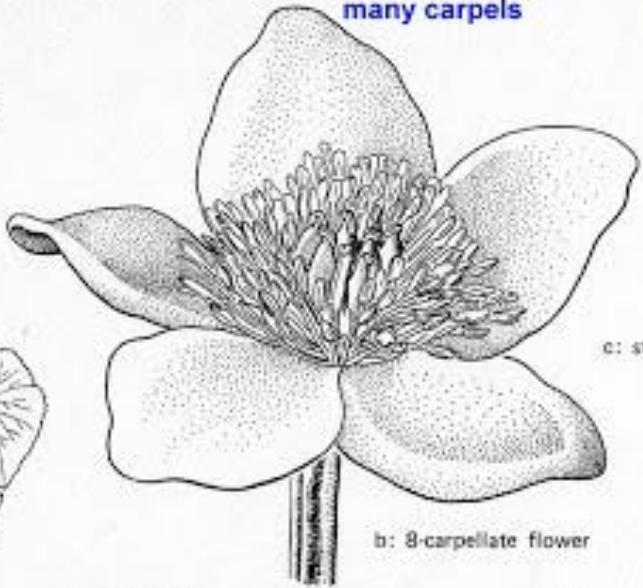
Porodica
RANUNCULACEAE

RANUNCULACEAE: *Caltha*, a-i, *C. palustris*

usually herbaceous



many stamens
many carpels



"normal"
stamens



d:
lateral
view of
carpel

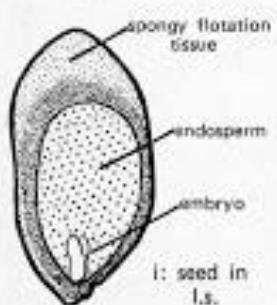


g: open fol-
licles from
5-carpellate
flower

ADC
fruits follicles
(or achenes)



apocarpous
gynoecium,
ovaries superior



nectar
glands



e:
carpel
with one
half removed

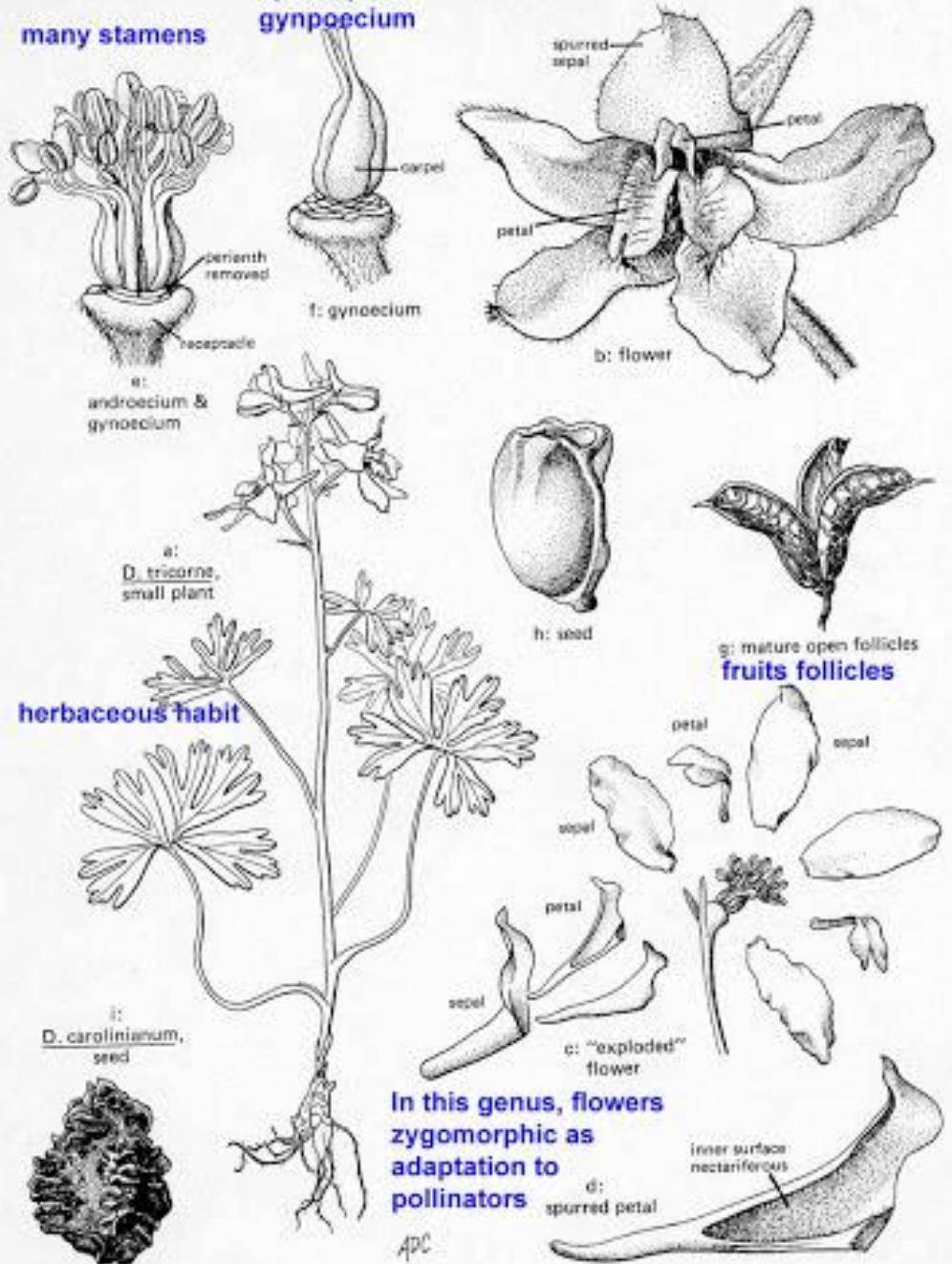


RANUNCULACEAE: Delphinium, a-h, *D. tricorne*; i, *D. carolinianum*

apocarpous

gynoecium

many stamens



Porodica
CARYOPHYLLACEAE

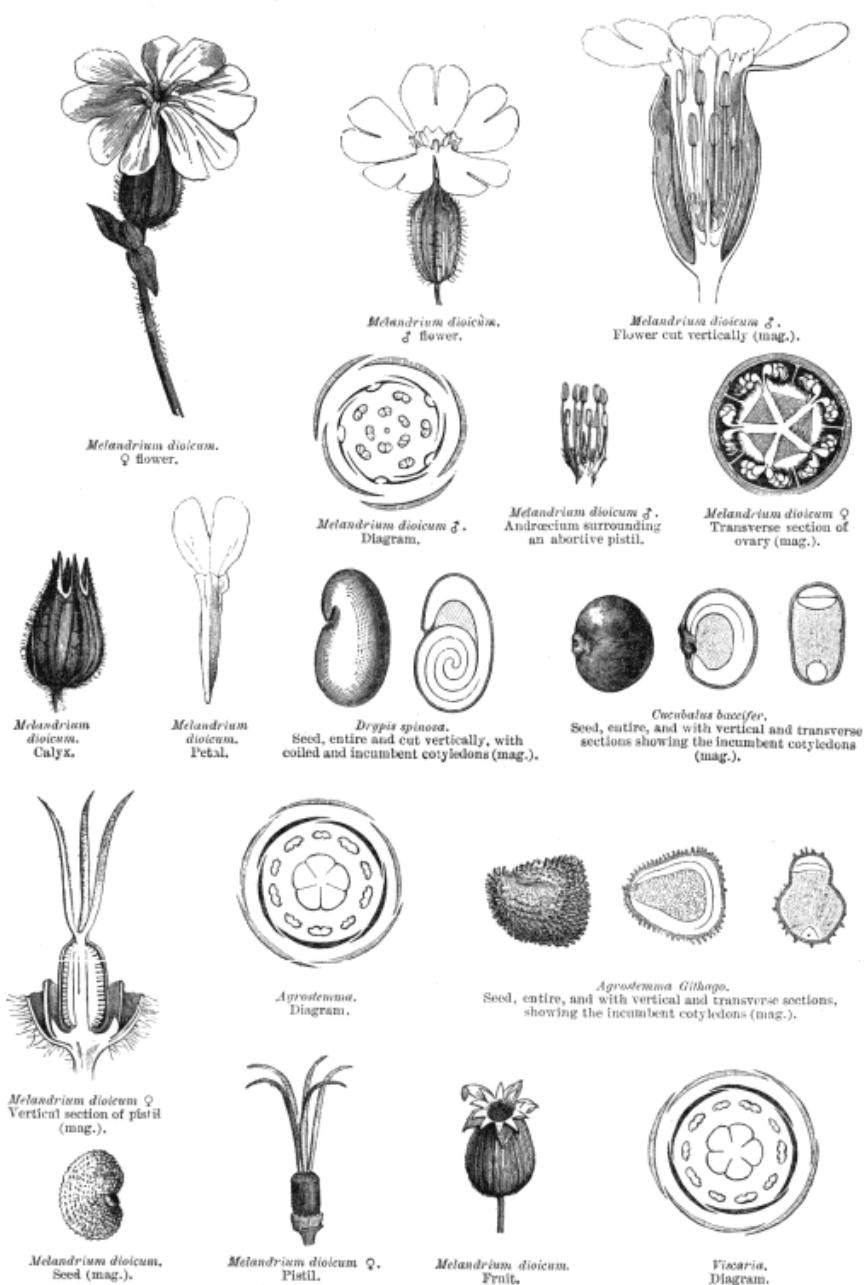
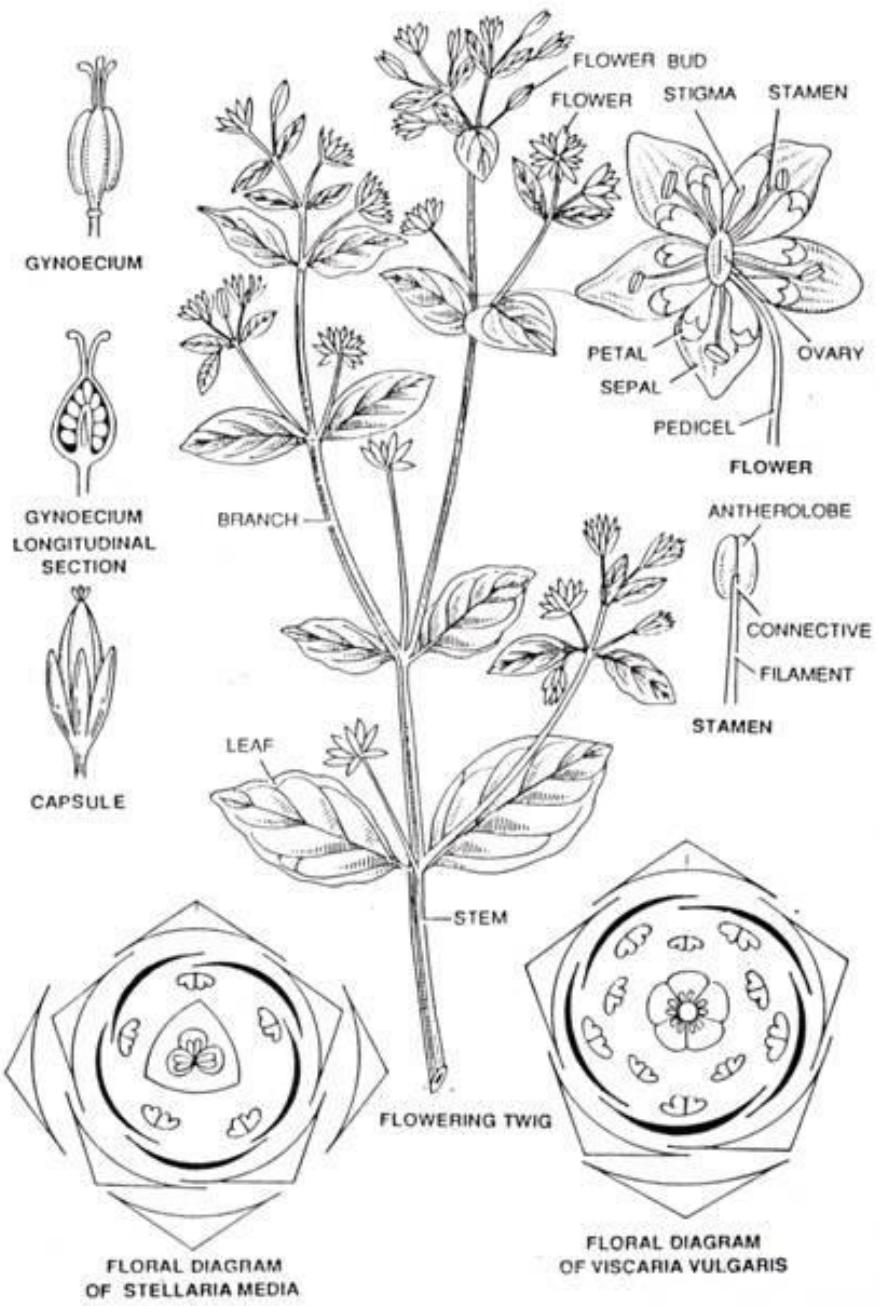
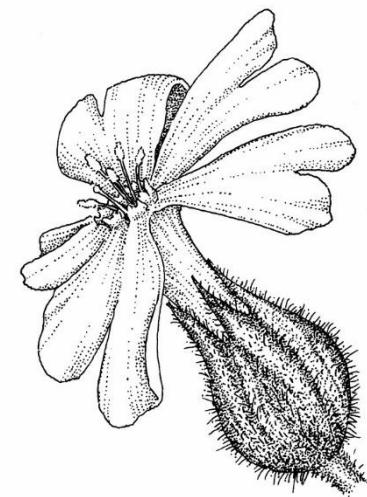
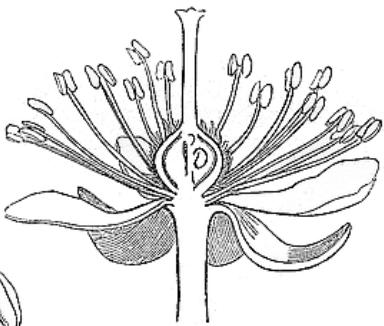
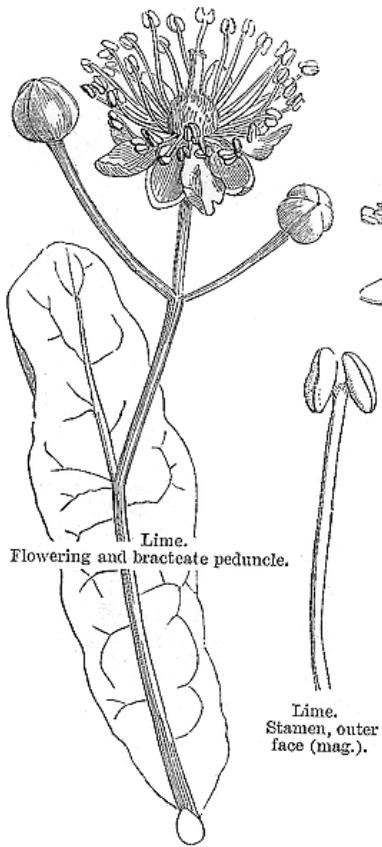


Fig. 23.2. Caryophyllaceae. *Stellaria media* Linn. Eng. Chickweed; Verna. **Morolla**.

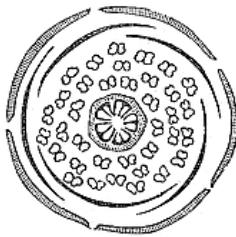


**Porodica
TILIACEAE**

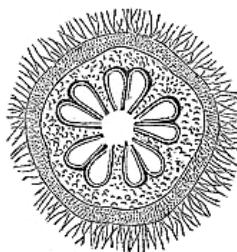


Lime.
Vertical section of flower (mag.).

Vertical section of flower



Lime. Diagram.



Lime.
Transverse section of ovary
(mag.).



Lime.
Pistil (mag.).



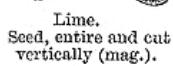
Lime,
Embryo laid open (mag.).



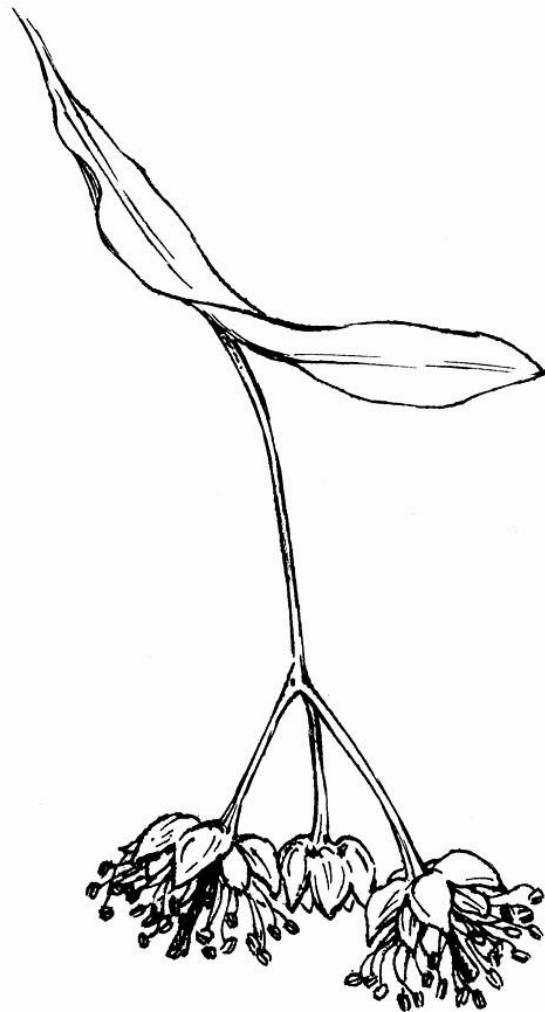
Lime.
Fruit (mag.).



Lime.
Stamen, outer
face (mag.).

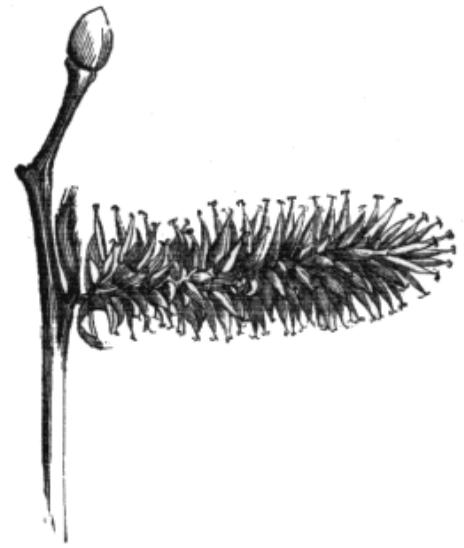


Lime.
Seed, entire and cut
vertically (mag.).





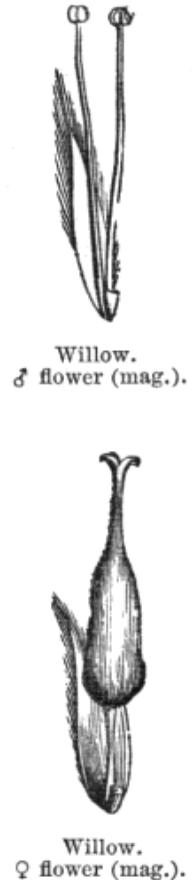
Porodica
SALICACEAE



Willow. (*Salix caprea*).
♀ catkin.



Willow.
Embryo (mag.).



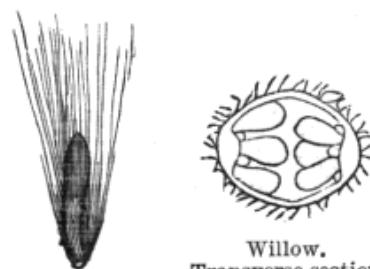
Black Poplar. (*Populus nigra*).
♂ catkins.



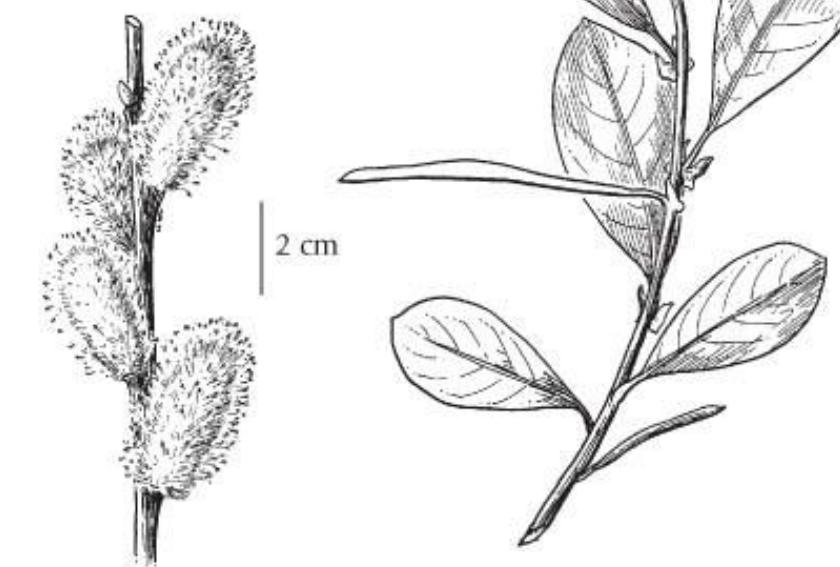
Poplar.
♀ flower (mag.).



Willow.
Fruit (mag.).



Willow.
Transverse section
of ovary
(mag.).



Porodica
BRASSICACEAE



Wallflower.
(*Cheiranthus cheiri*.)



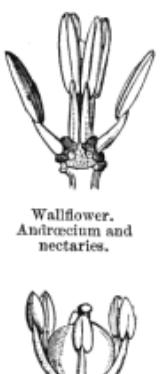
Wallflower.
Flower cut vertically (mag.).



Wallflower.
Pistil (mag.).



Wallflower.
Siliqua.



Wallflower.
Androecium and
nectaries.



Cochlearia.
Siliqua.

Parolinia,
Siliqua with valves
prolonged
into forked horns
(mag.).



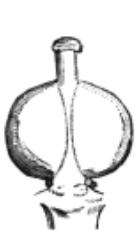
Cochlearia officinalis.



Cochlearia.
Flower (mag.).



Cochlearia.
Siliqua (mag.).



Cochlearia.
Pistil (mag.).



Cochlearia.

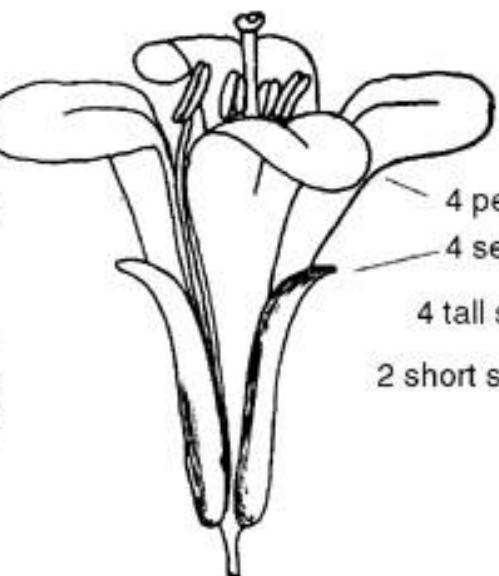


Cochlearia.
Flower cut vertically (mag.).



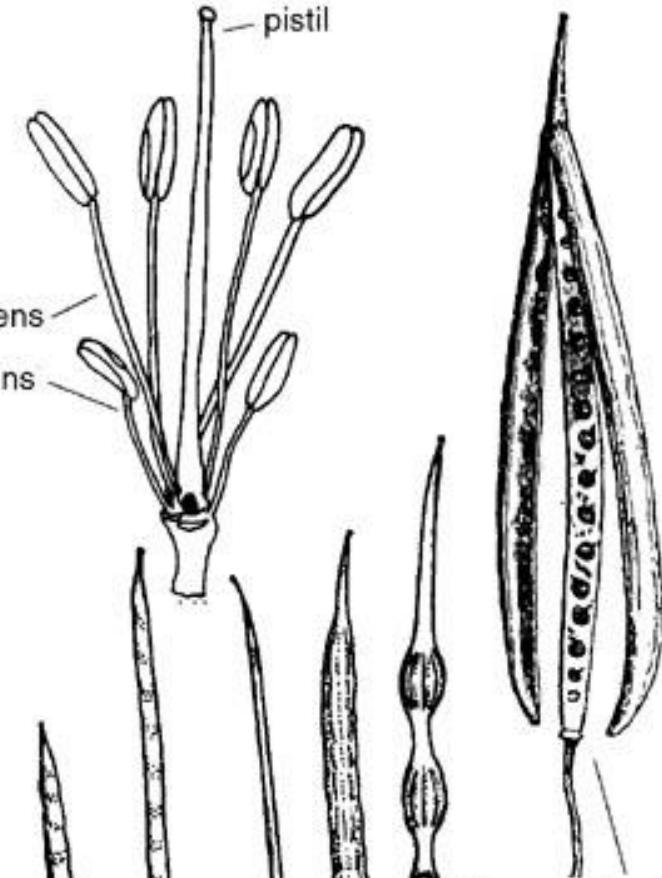
Cochlearia.
Seed, entire, and cut both ways to show the accumbent
cotyledons (mag.).



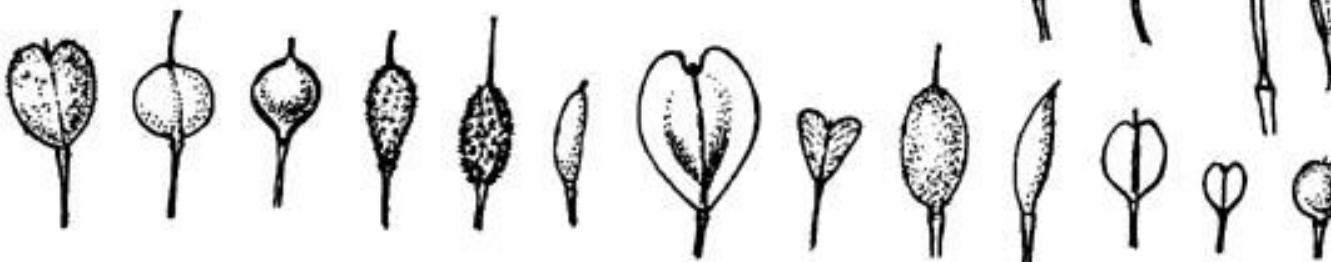


Patterns of the Mustard Family

Mustard seed pods come in many shapes and sizes, but always occur on the plant in the same radial pattern around the stalk, a "raceme".

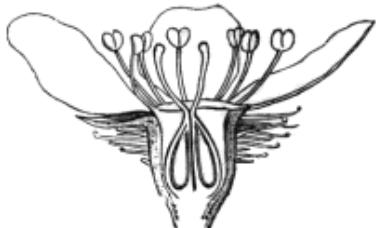


The seed pods split open from both sides to expose a clear membrane in the middle.





Porodica
ROSACEAE



Agrimony.
Flower after fertilization.



Agrimony.
Fruit.



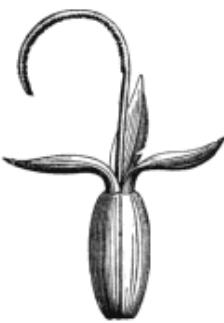
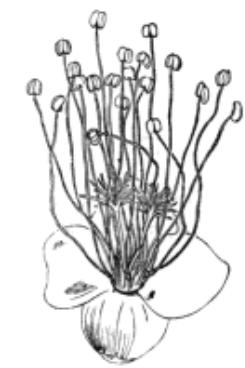
Agrimony.
Transverse section of fruit.



Agrimony.
Seed (mag.).



Poterium.
Ripe carpel, entire
and cut
vertically (mag.).



Cliffortia. ♀ flower.



Poterium.
Young carpel (mag.).



Poterium.
Fruit (mag.).



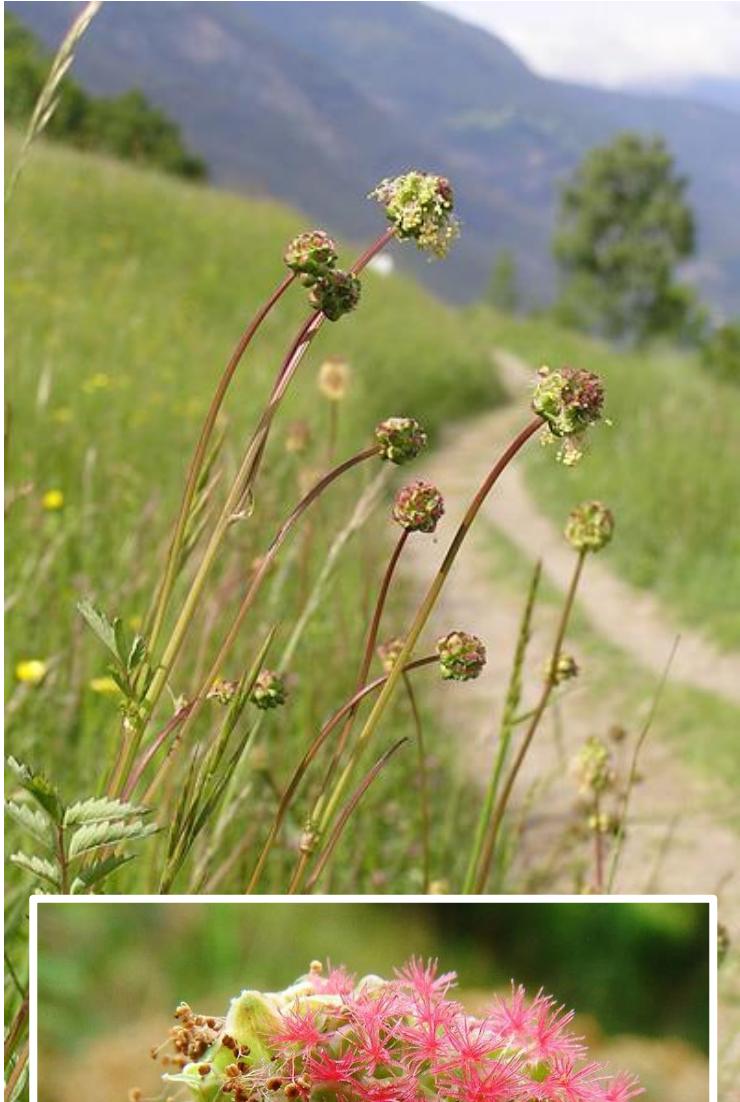
Poterium Sanguisorba.



Poterium.
Diagram.



Poterium.
Seed (mag.).

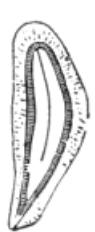




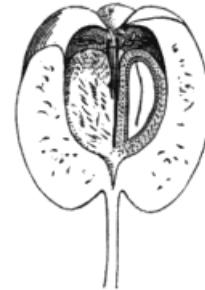
Sorbus.
Diagram.



Cotoneaster.
Carpel, ripe and cut vertically (mag.).



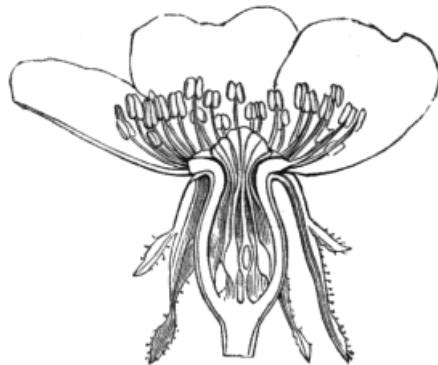
Cotoneaster.
Fruit.



Cotoneaster.
Fruit cut vertically (mag.).



Sweetbriar. (*Rosa rubiginosa*.)



Rose. Flower cut vertically (mag.).



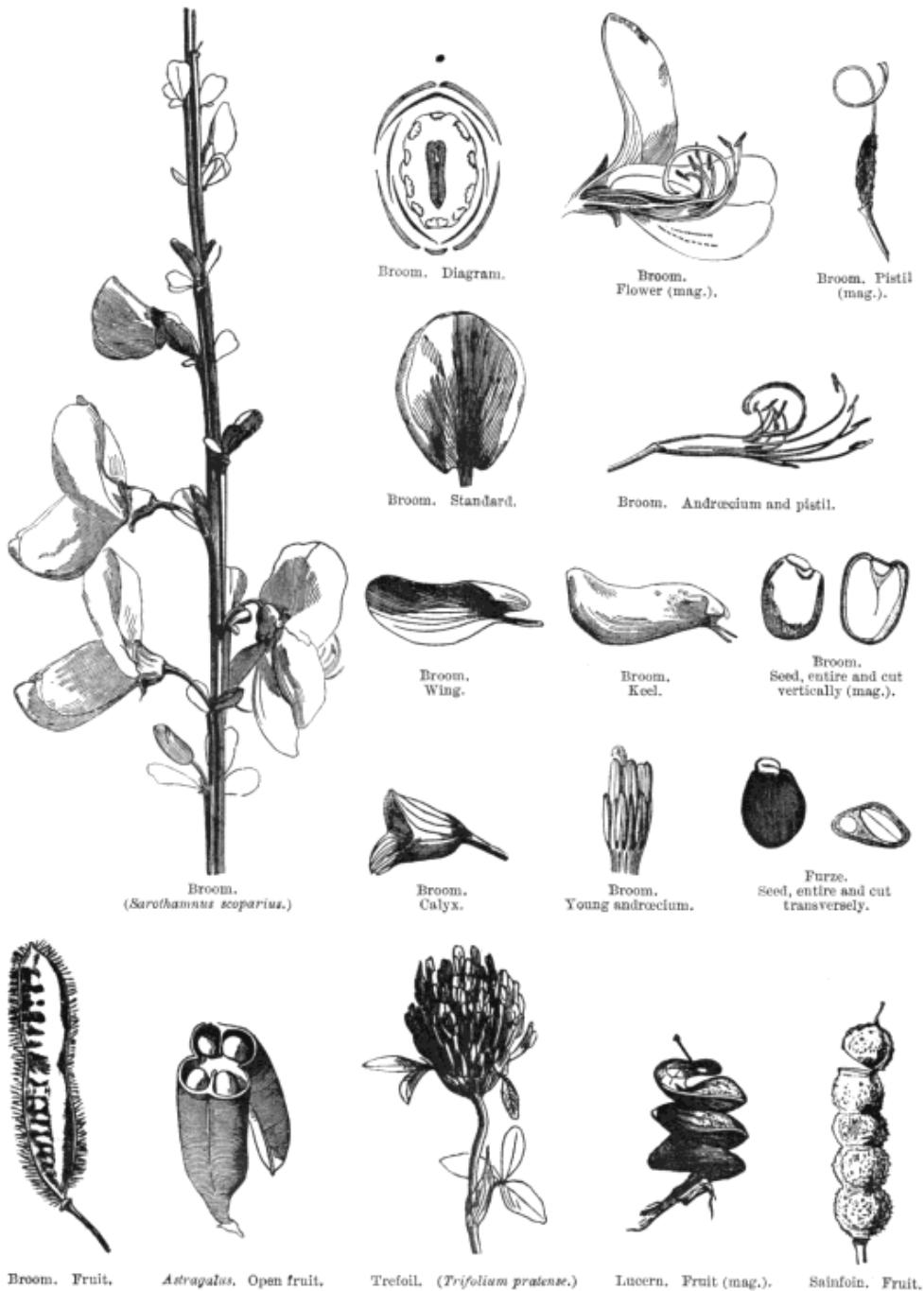
Rose.
Diagram.

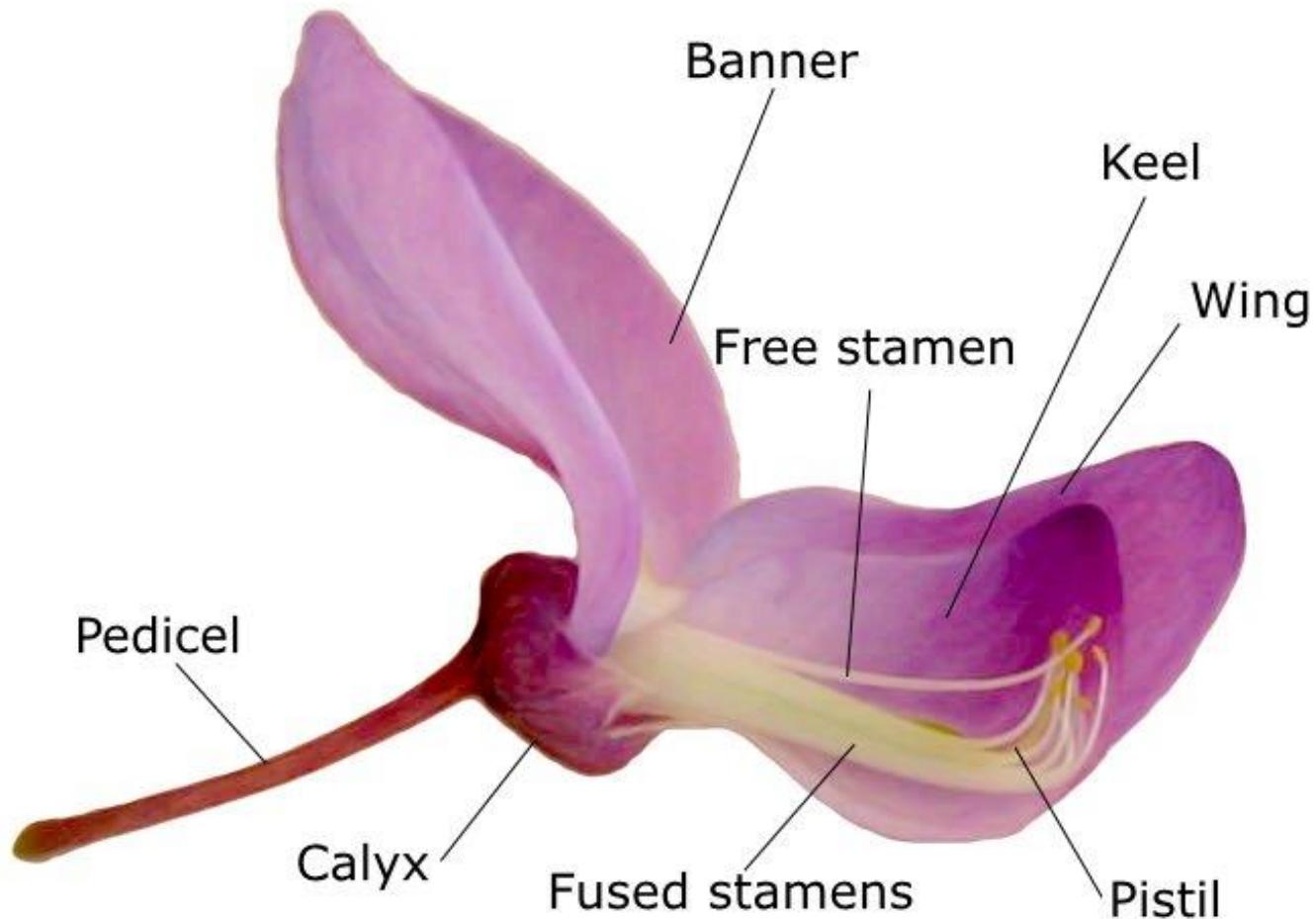


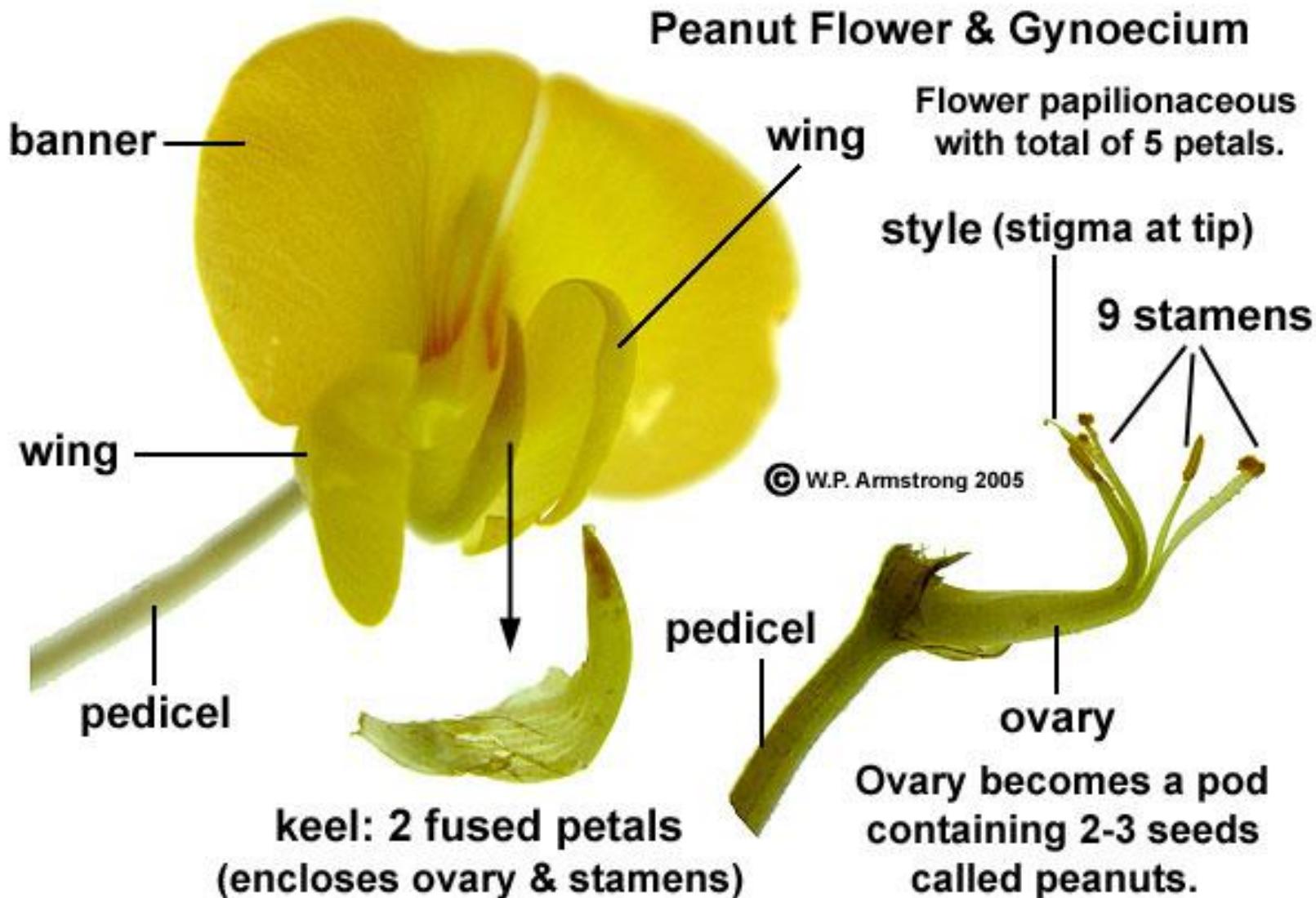
Rose.
Young carpel (mag.).



Porodica
FABACEAE

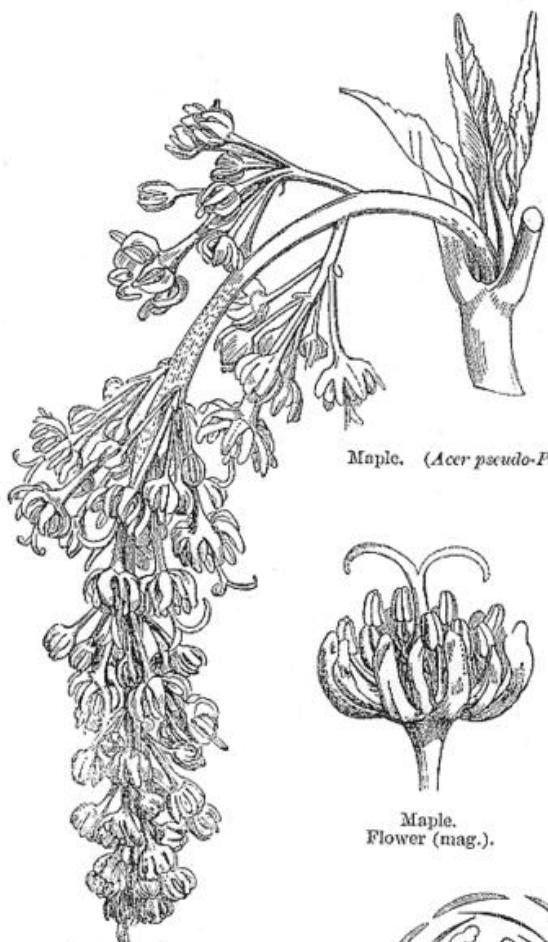




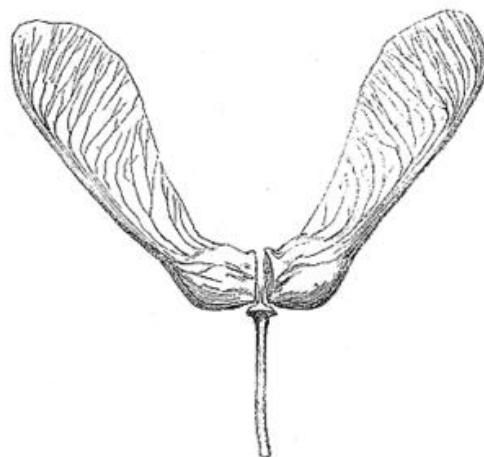


**Porodica
ACERACEAE**

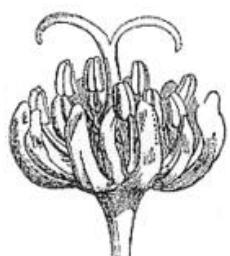
ACERACEAE



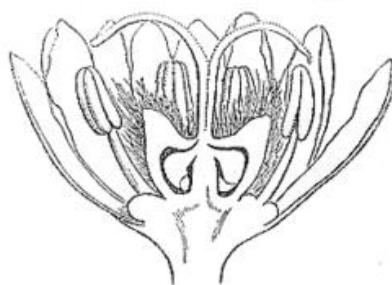
Maple. (*Acer pseudo-Platanus.*)



Maple. Fruit.



Maple.
Flower (mag.).



Maple.
Vertical section of flower (mag.).



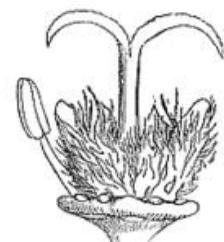
Maple.
Embryo (mag.).



Maple.
Seed entire and cut (mag.).



Maple.
Diagram.



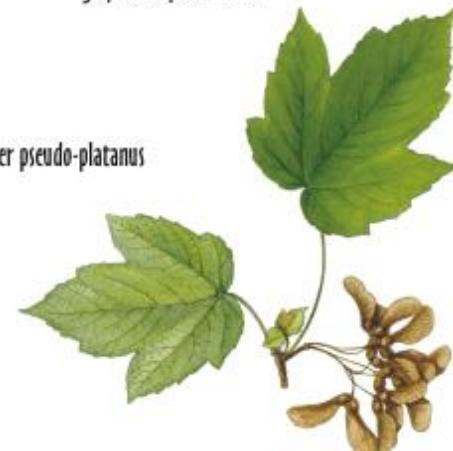
Maple.
Young pistil (mag.).



Acer Negundo.
♂ flower.

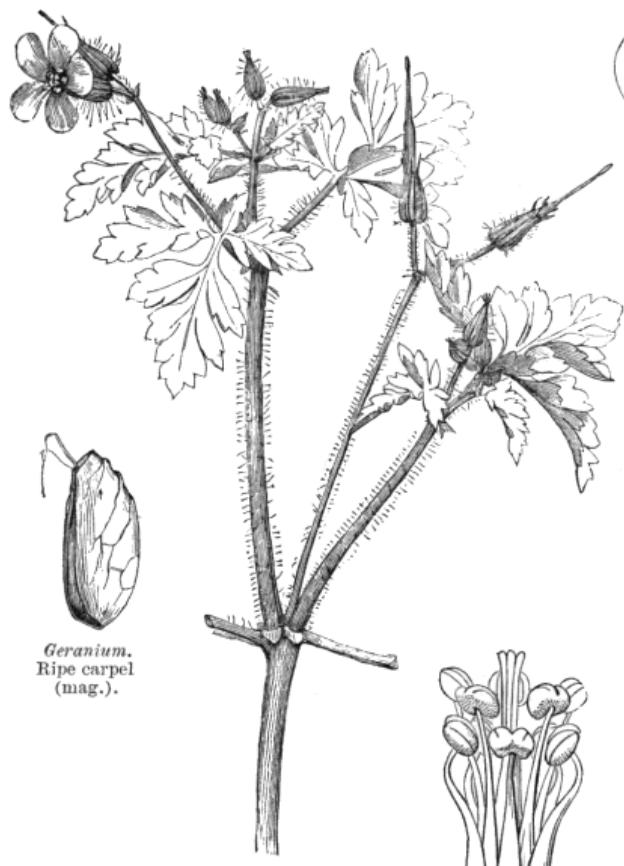


564.-*Acer platanoides*



565.-*Acer pseudo-platanus*

Porodica
GERANIACEAE



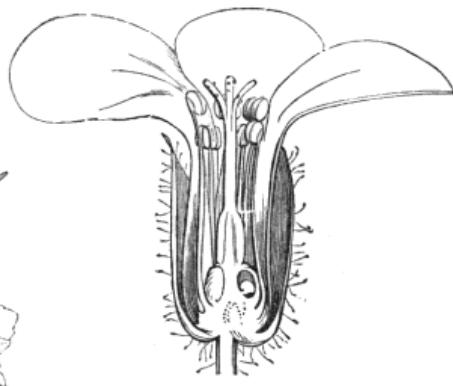
Herb Robert.
(*Geranium Robertianum*.)



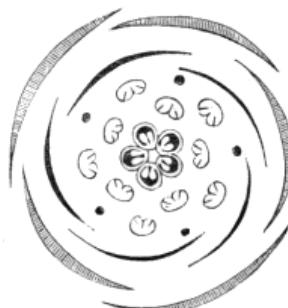
Geranium.
Seed
transversely (mag.).



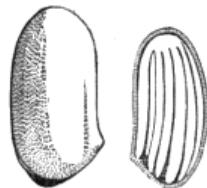
Geranium.
Androecium and pistil (mag.).



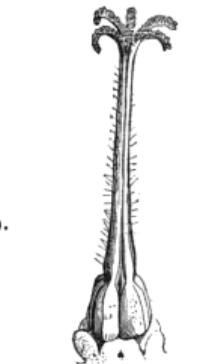
Geranium.
Vertical section of flower (mag.).



Geranium.
Diagram.



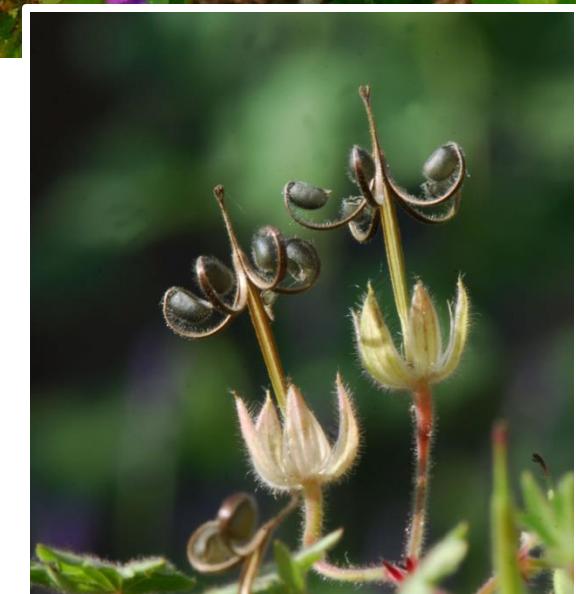
Geranium.
Seed,
entire and cut
vertically (mag.).



Geranium.
Pistil (mag.).



Geranium.
Fruit (mag.).



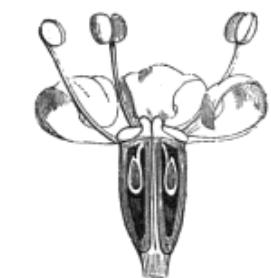
Porodica
APIACEAE



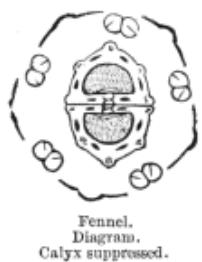
Foeniculum officinale.
Umbel and umbellules without involucres or
involucels.



Fennel.
Flower (mag.).



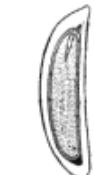
Fennel. Flower cut vertically (mag.).



Fennel.
Diagram.
Calyx suppressed.



Fennel.
Fruit. (mag.).
2-partite carpophore.



Fennel.
Transverse section of
carpel (mag.).



Carrot. (*Baucus Carota.*)
Umbel and umbellules with involucres and
involucels.



Aethusa Cynapium.
Naked umbel; umbellules
with involucels.



Aethusa.
Flower (mag.).



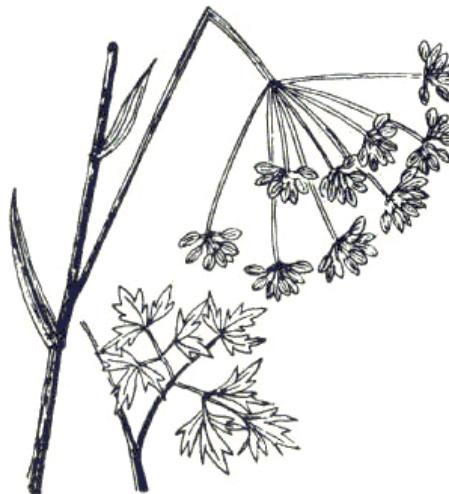
Aethusa.
Flower cut vertically (mag.).



Aethusa.
Fruit.
Bifid carpophore
(mag.).



Aethusa.
Umbellule
with 3-phylloous
involucel.



Flower

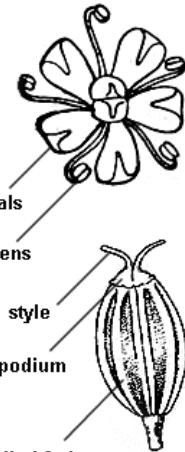
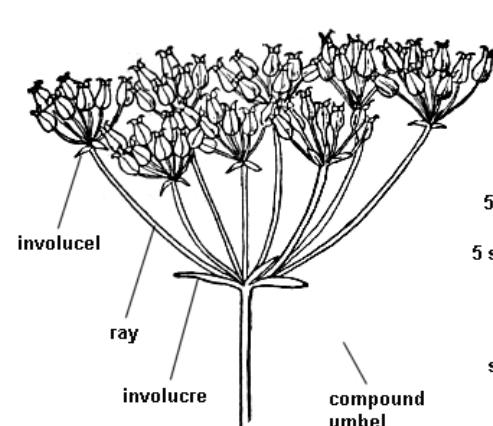


Fruitlet



Cross section
of fruitlet

TYPICAL PARSLEY FLOWER



5 petals

5 stamens

style

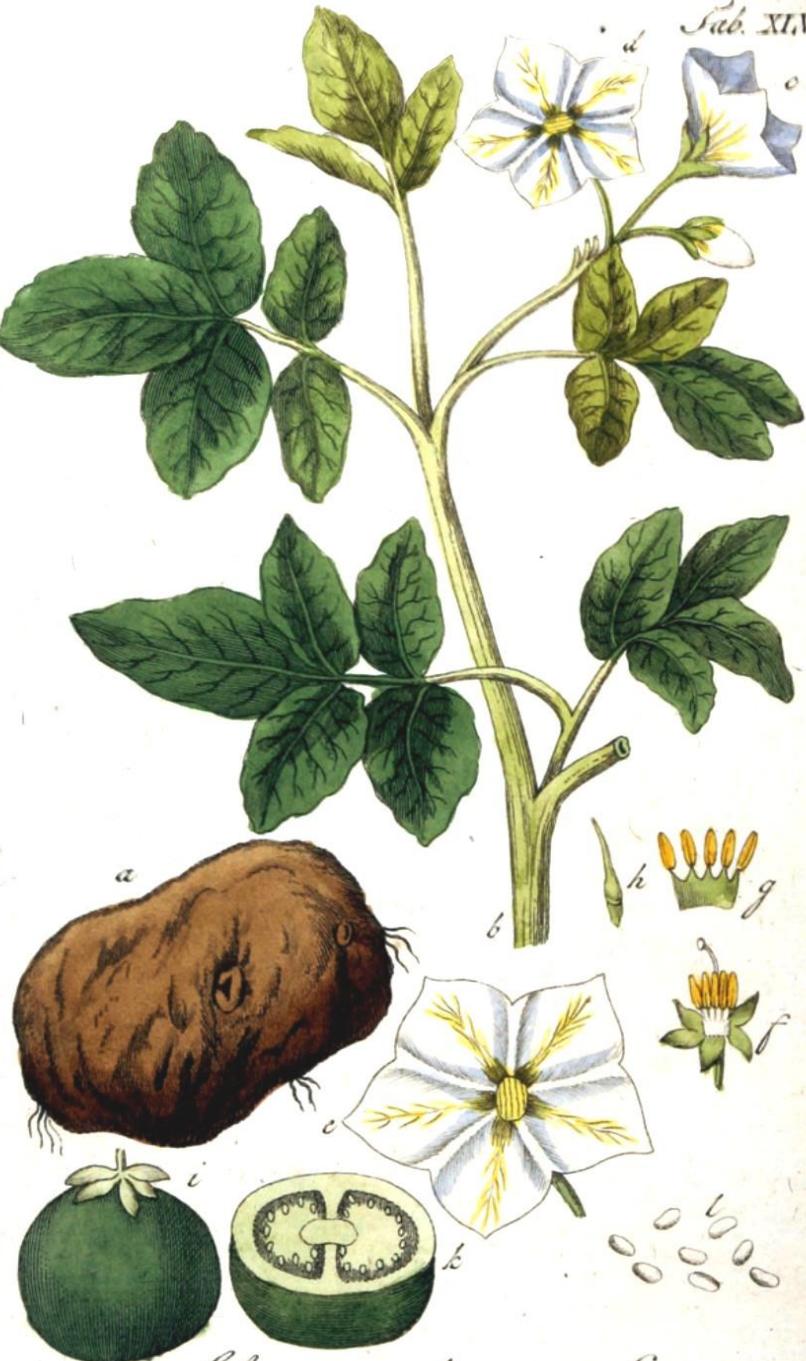
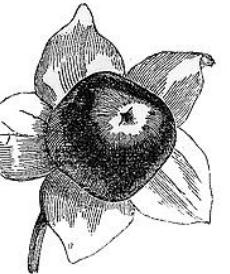
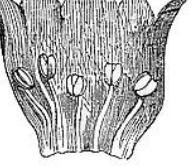
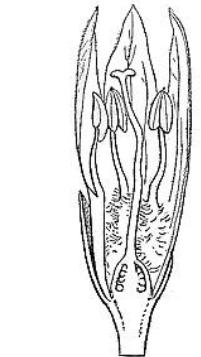
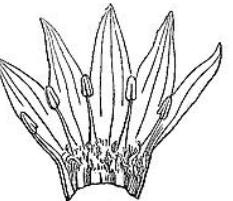
stylopodium

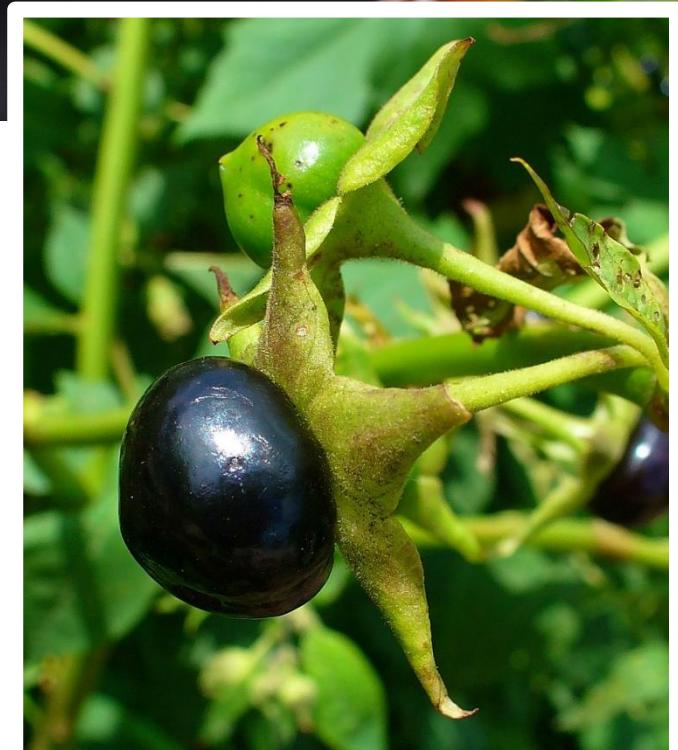
compound
umbel

2-celled fruit



Porodica
SOLANACEAE

*Solanum tuberosum L.**Solanum.*
Calyx and pistil (mag.).*Mandragora.*
Flowers.*Mandragora.*
Corolla and androecium laid open.*Solanum tuberosum.**Belladonna.*
Corolla and androecium laid open.*Mandragora.*
Pistil.*Mandragora.*
Flower cut vertically.*Solanum.*
Diagram.*Bitter-sweet.*
Flower (mag.).Belladonna.
Seed, entire and cut longitudinally (mag.).Belladonna.
Flower.Belladonna.
Pistil.Belladonna.
Berry.



Porodica
SCROPHULARIACEAE

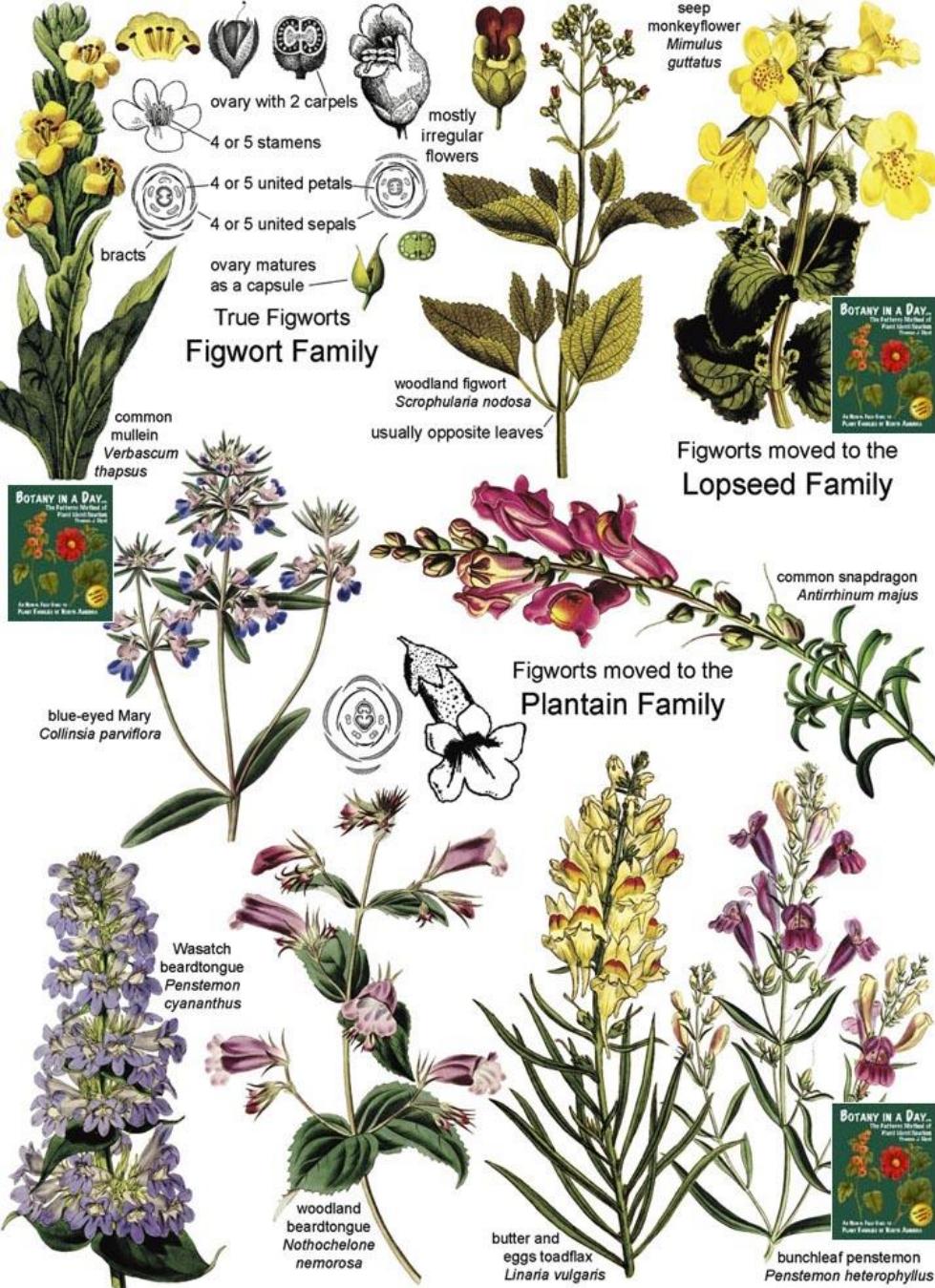


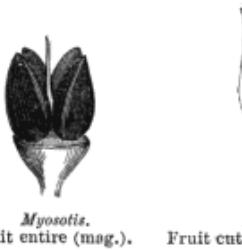
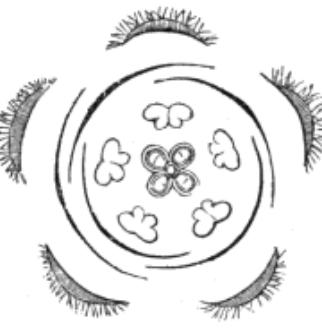
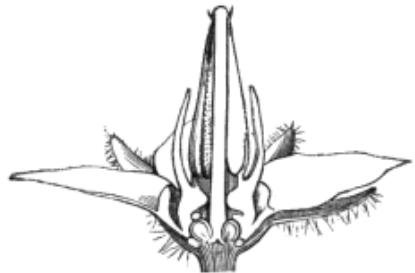
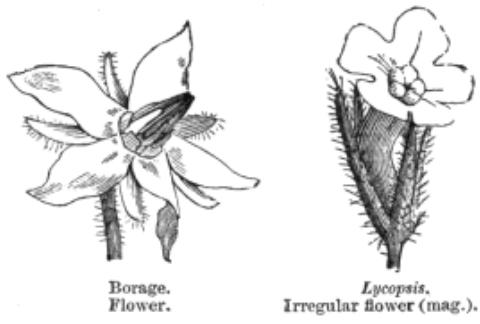
Plate 39 1. *Scrophularia hirta*. 2. *S. racemosa*. 3. *S. lowei*. 4. *S. arguta*. Habits all $\times \frac{1}{2}$, flower and capsule details all $\times 2$.

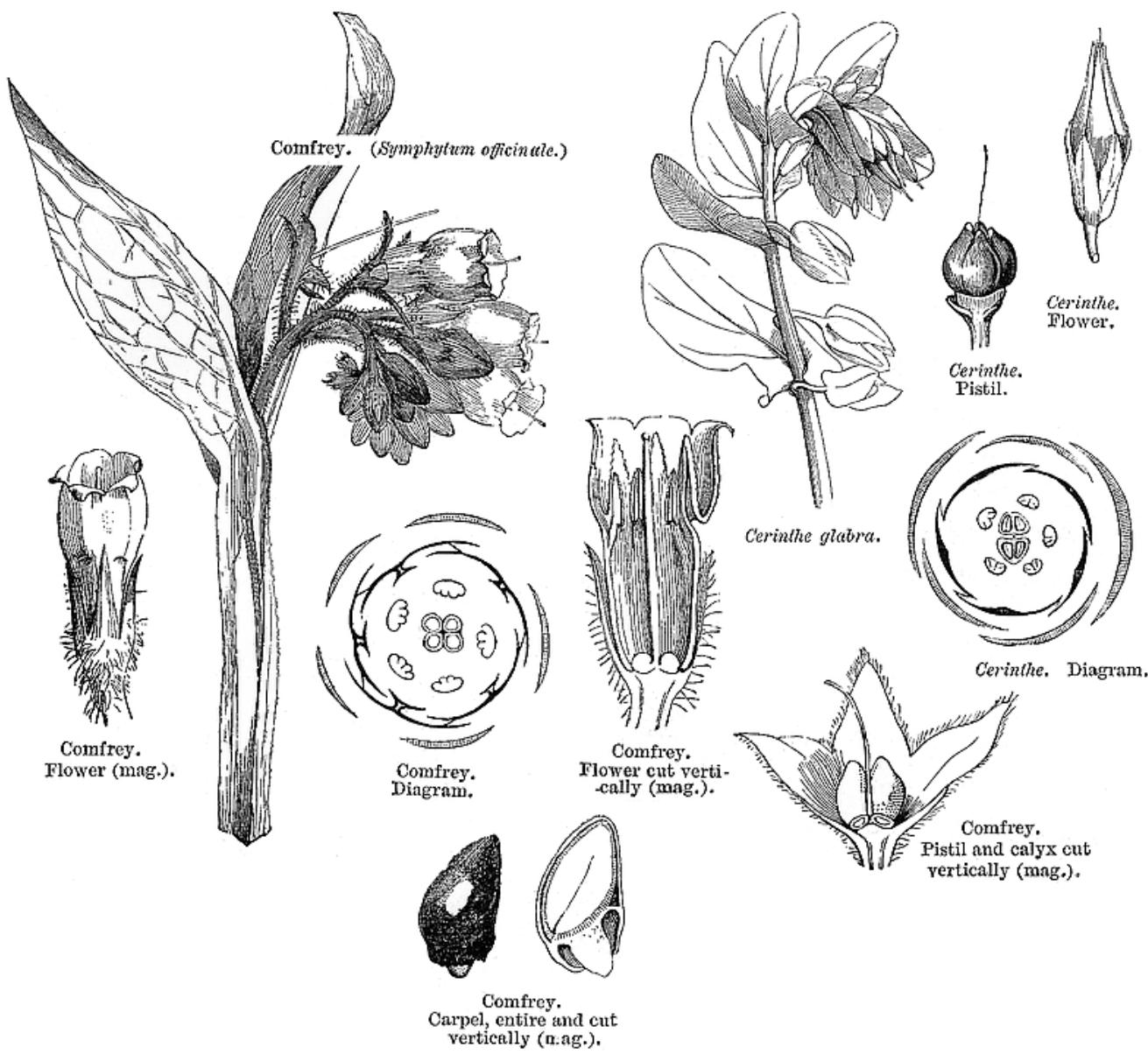
Diagnostic characters



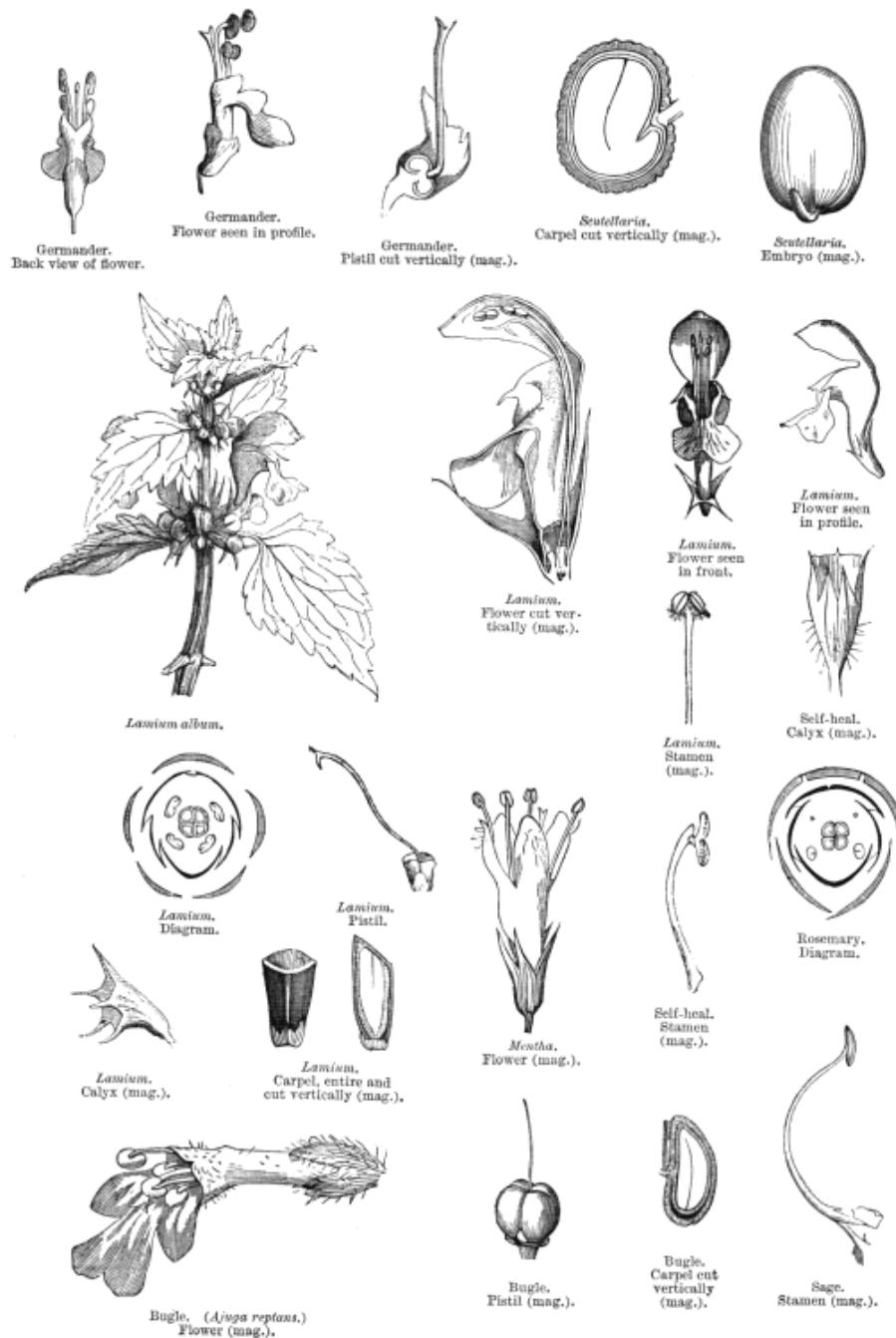


Porodica
BORAGINACEAE

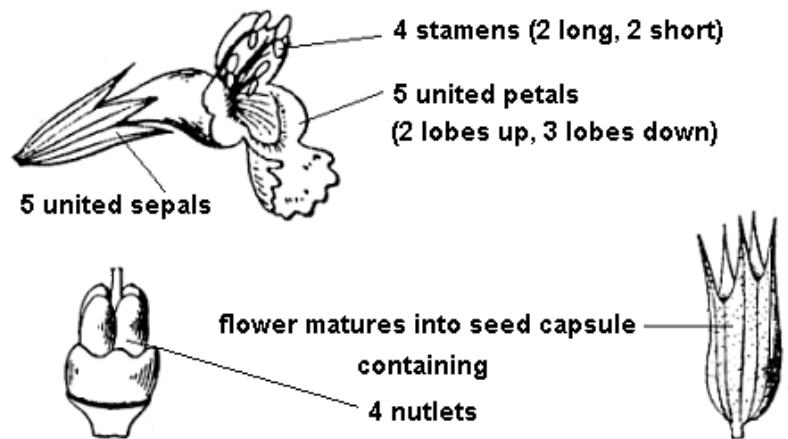




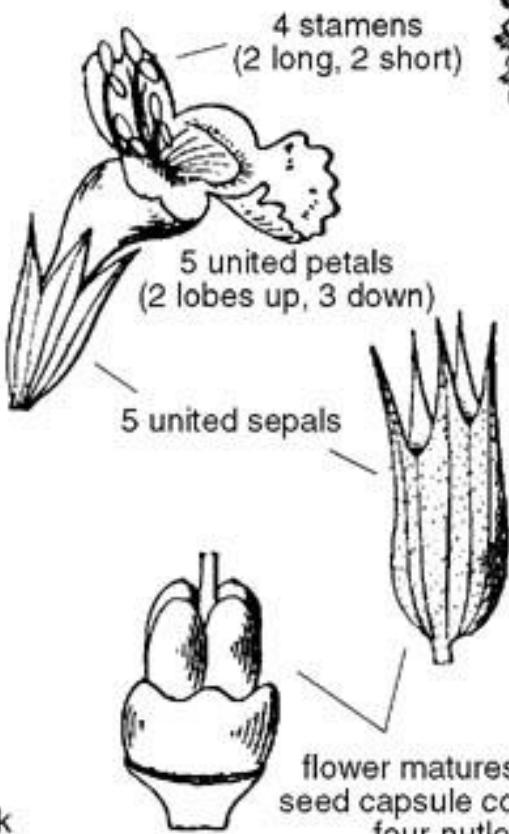
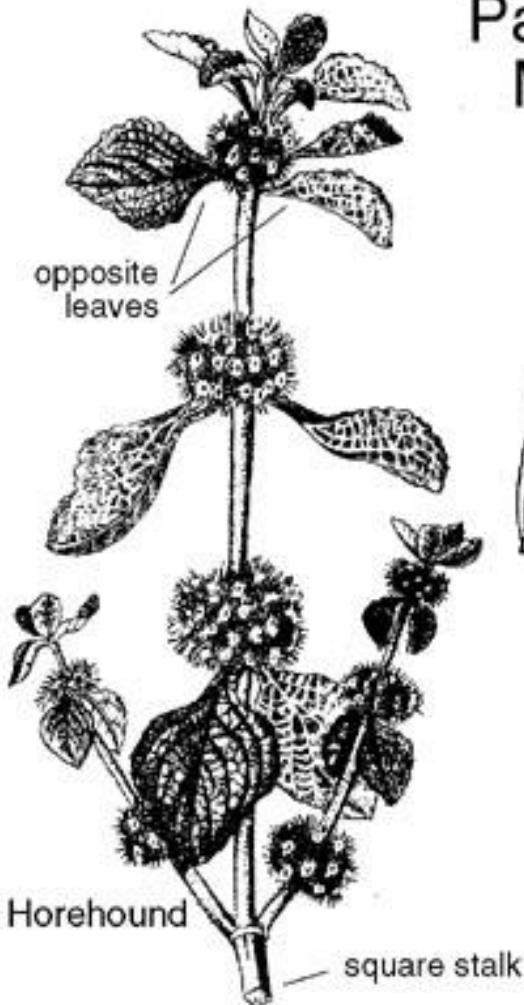
Porodica
LAMIACEAE



Typical Mint Flower



Patterns of the Mint Family



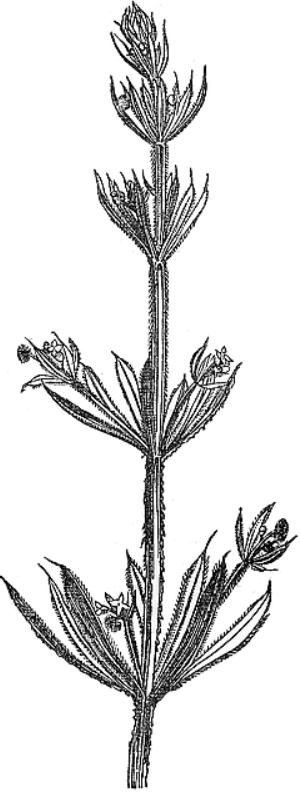




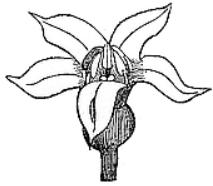
**Porodica
RUBIACEAE**



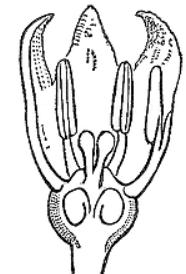
Madder (*Rubia tinctorum*).



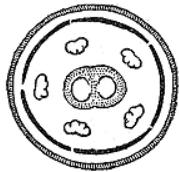
Galium Aparine.



Madder.
Flower (mag.).



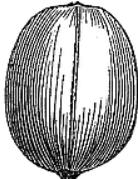
Madder.
Flower cut vertically
(mag.).



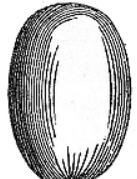
Madder.
Diagram.



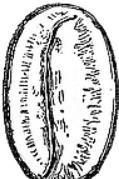
Madder.
Pistil (mag.).



Coffee. Berry
(mag.).



Coffee. Seed
(mag.).
Dorsal face.



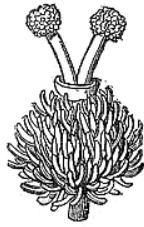
Coffee. Seed
(mag.).
Ventral face.



Coffee. Transverse
section of the seed
(mag.).



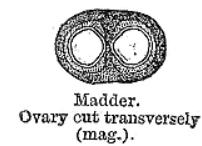
Galium.
Flowering branch.



Galium.
Pistil (mag.).



Galium aparine



Madder.
Ovary cut transversely
(mag.).



Coffee. Seed.
Dorsal face cut to show
the minute embryo at
the base of the albumen
(mag.).



**Flowering
branch**



Pistil



**x-section
of fruit**



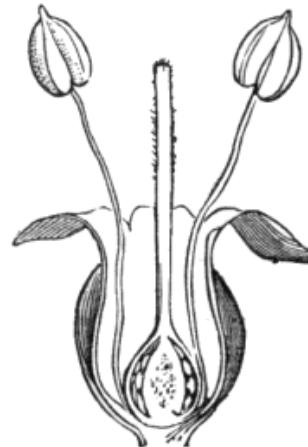
Porodica
PLANTAGINACEAE



Plantain. (*Plantago major.*)
Young plant.



Plantain.
Flower (mag.).



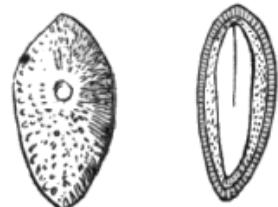
Plantain.
Flower cut vertically (mag.).



Plantain.
Pistil
(mag.).



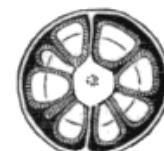
Plantain.
Spike.



Plantain.
Seed, entire and cut vertically
(mag.).



Plantain. Diagram.



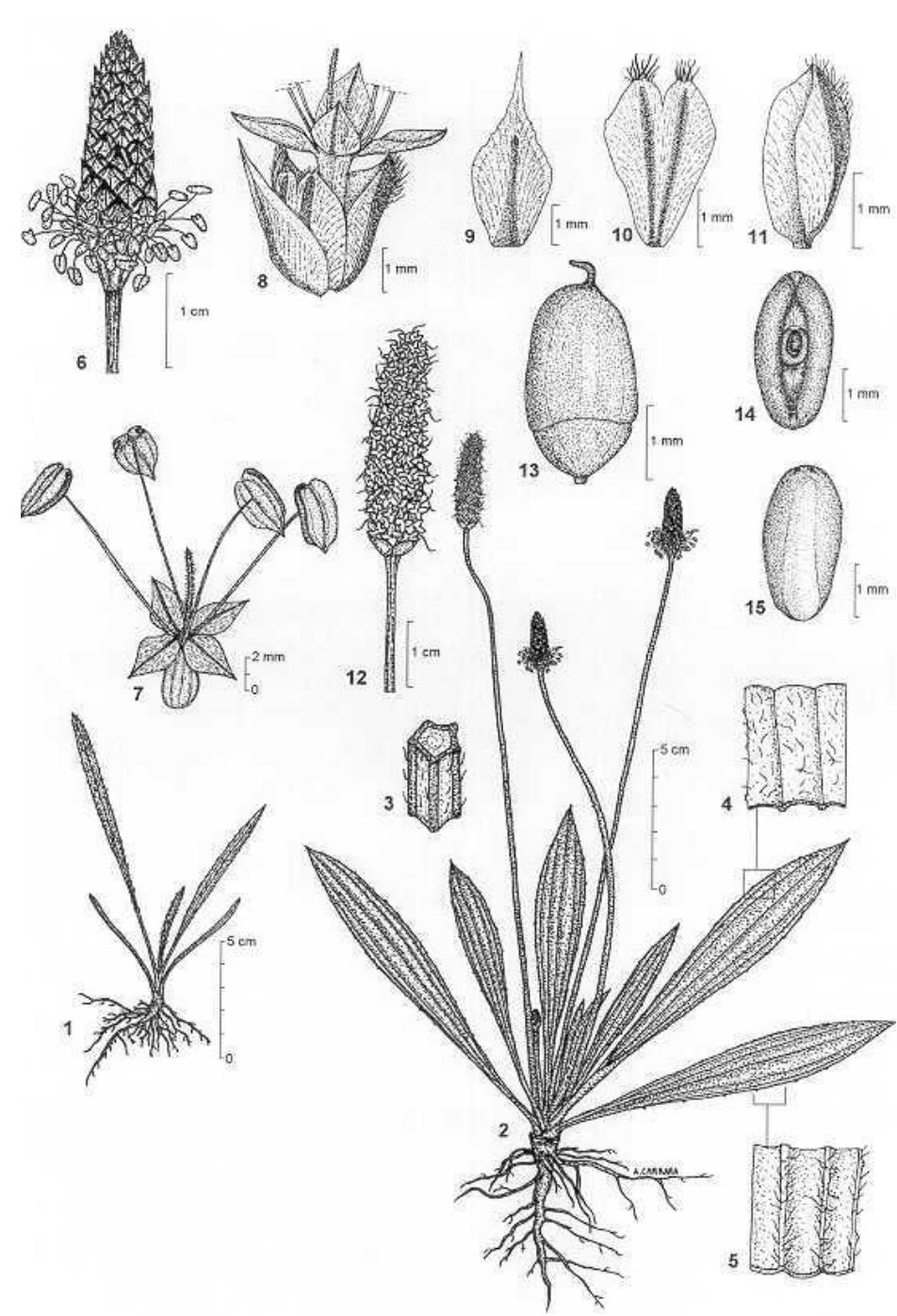
Plantain.
Transverse section of ovary
(mag.).



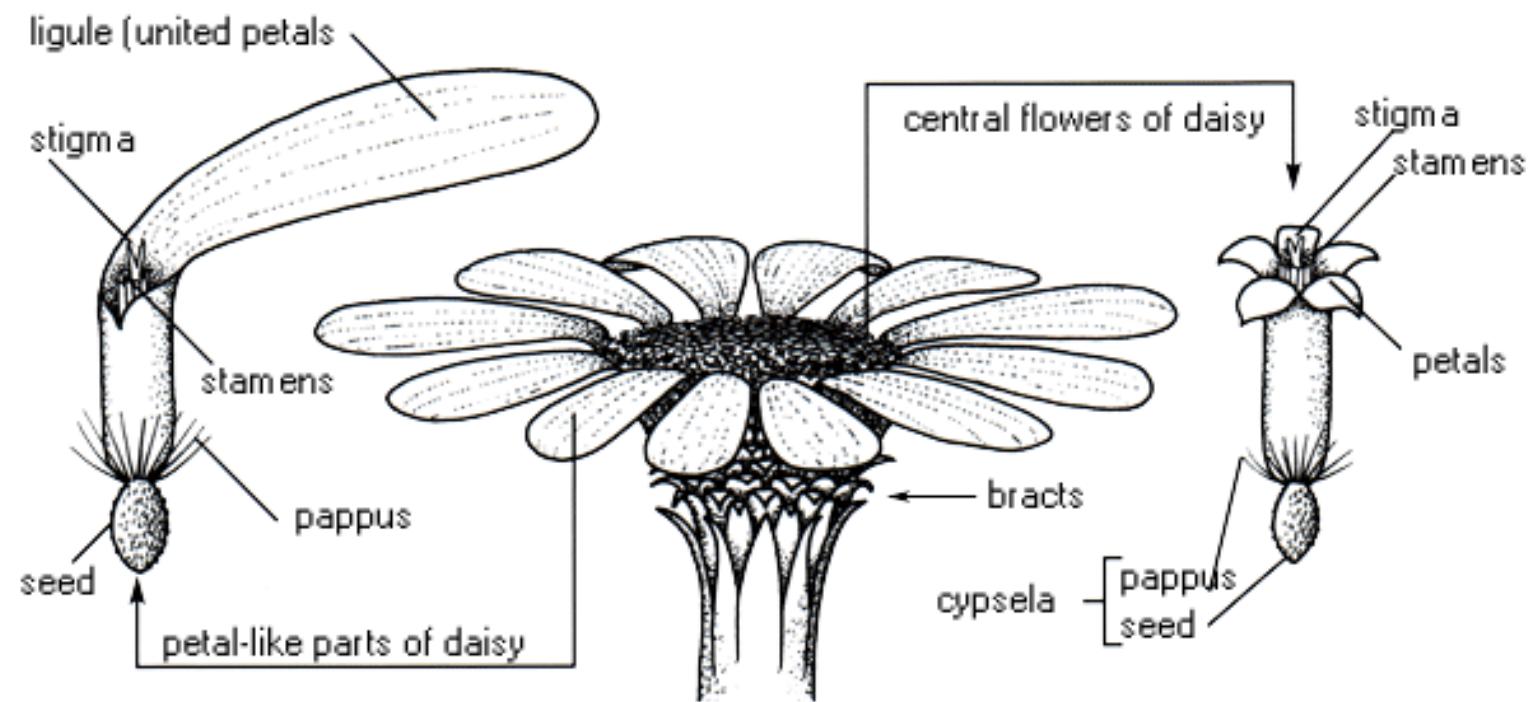
Plantain.
Fruit closed
(mag.).



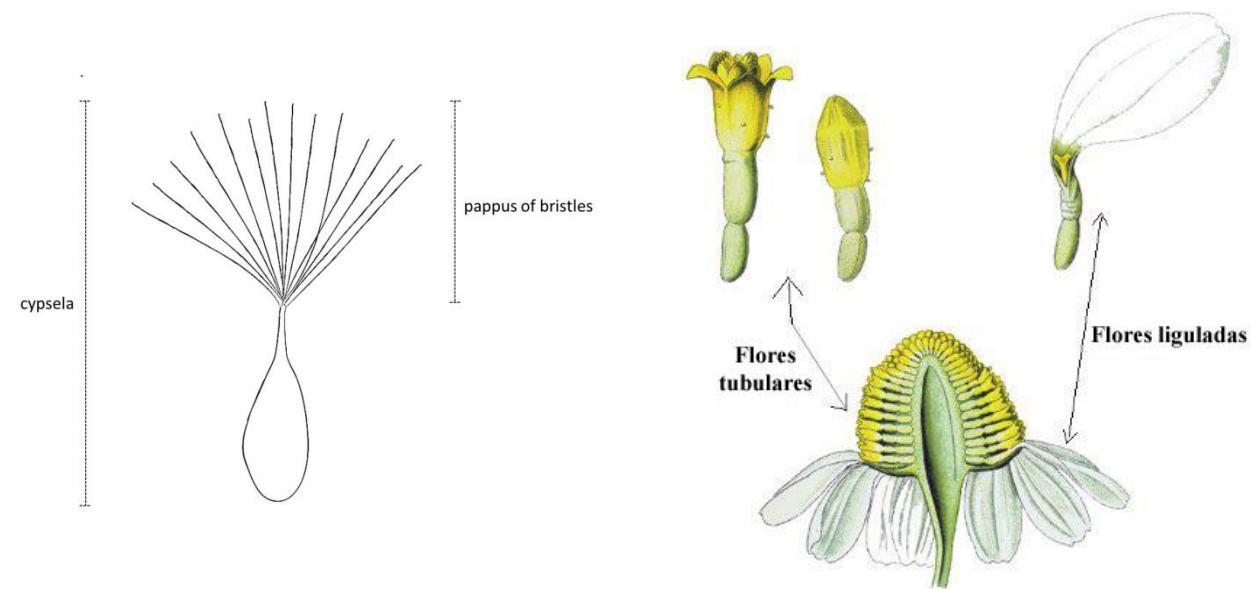
Plantain.
Fruit dehiscing
(mag.).

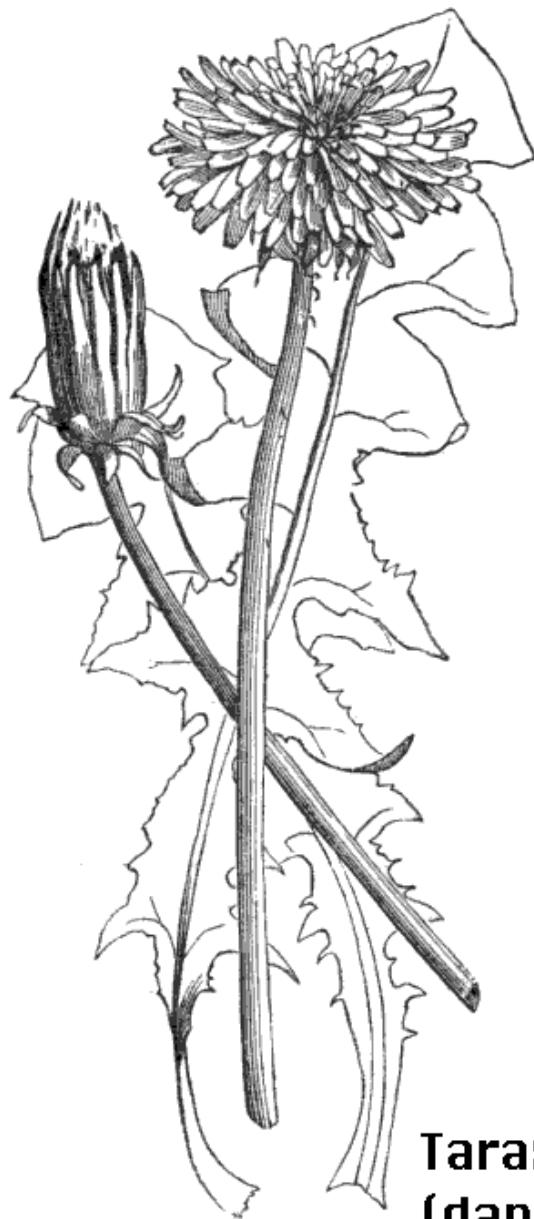


Porodica
ASTERACEAE



A daisy flower (Asteraceae) — a composite head of many small flowers





Ligulate floret



Taraxacum
(dandelion)

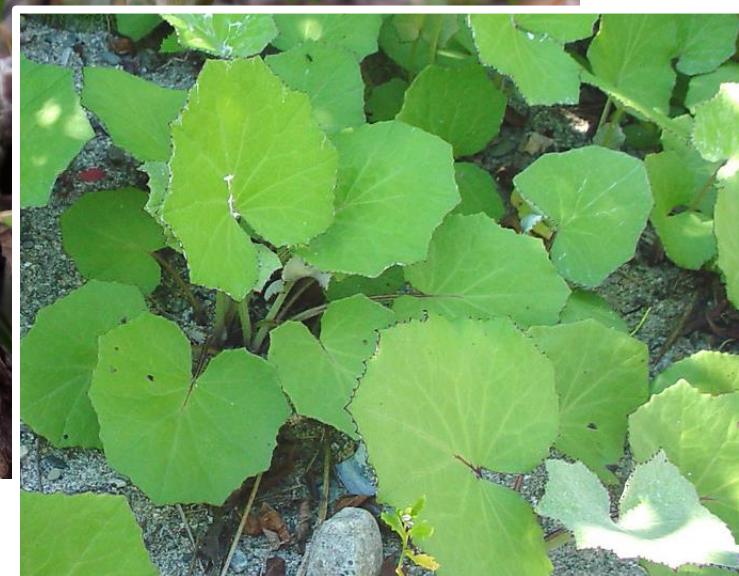


Receptacle
and fruits

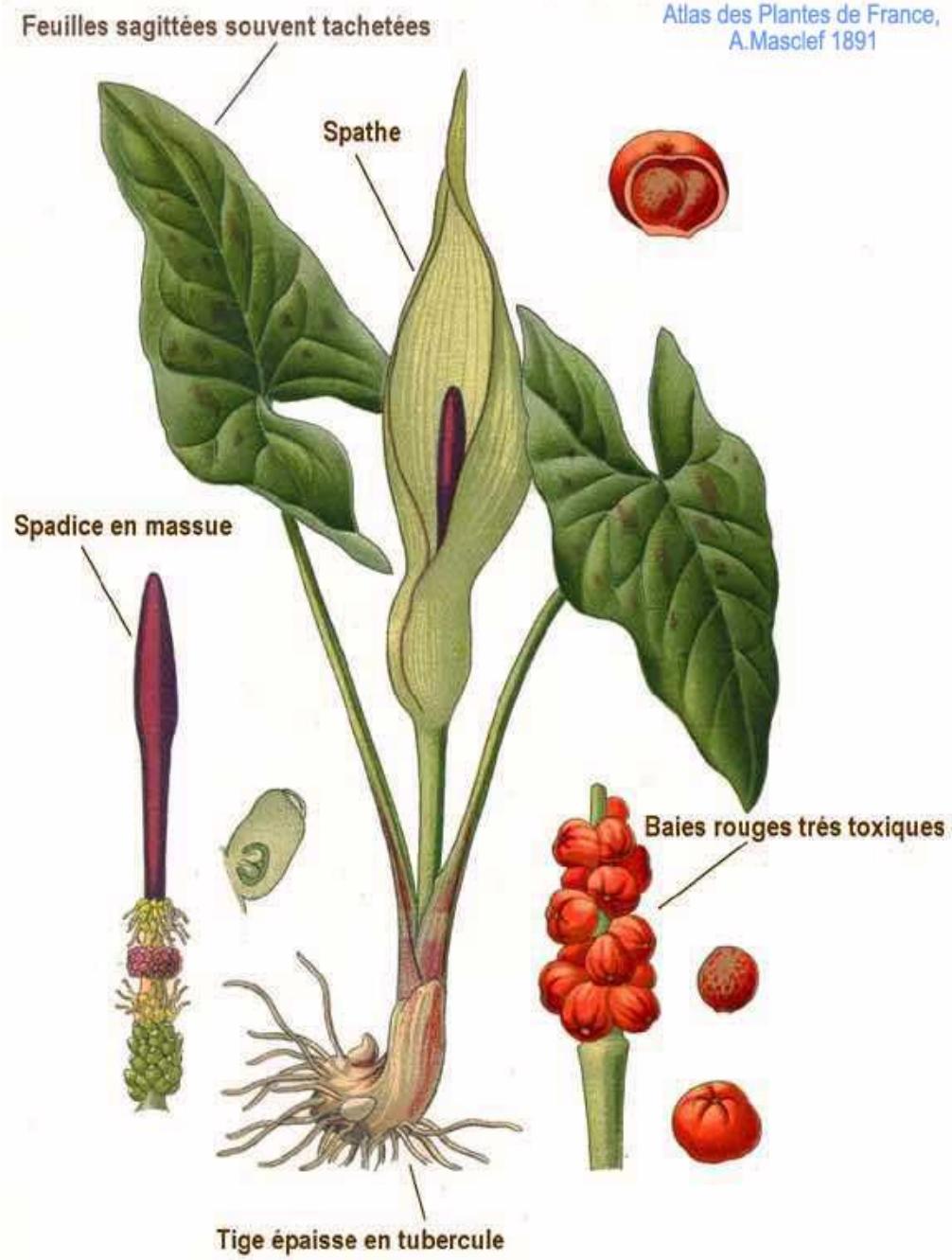


Pappus

Fruit

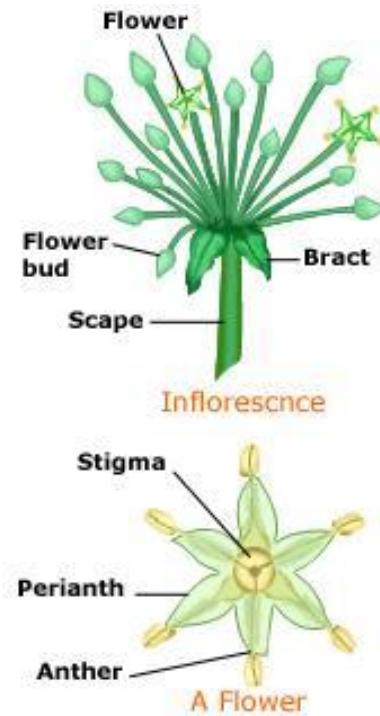
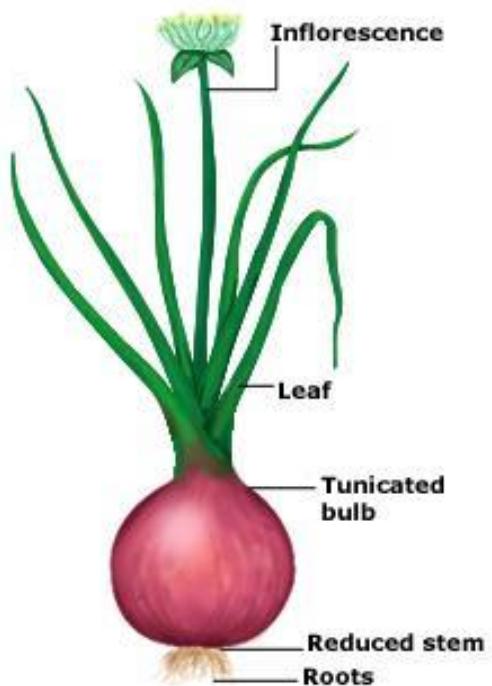
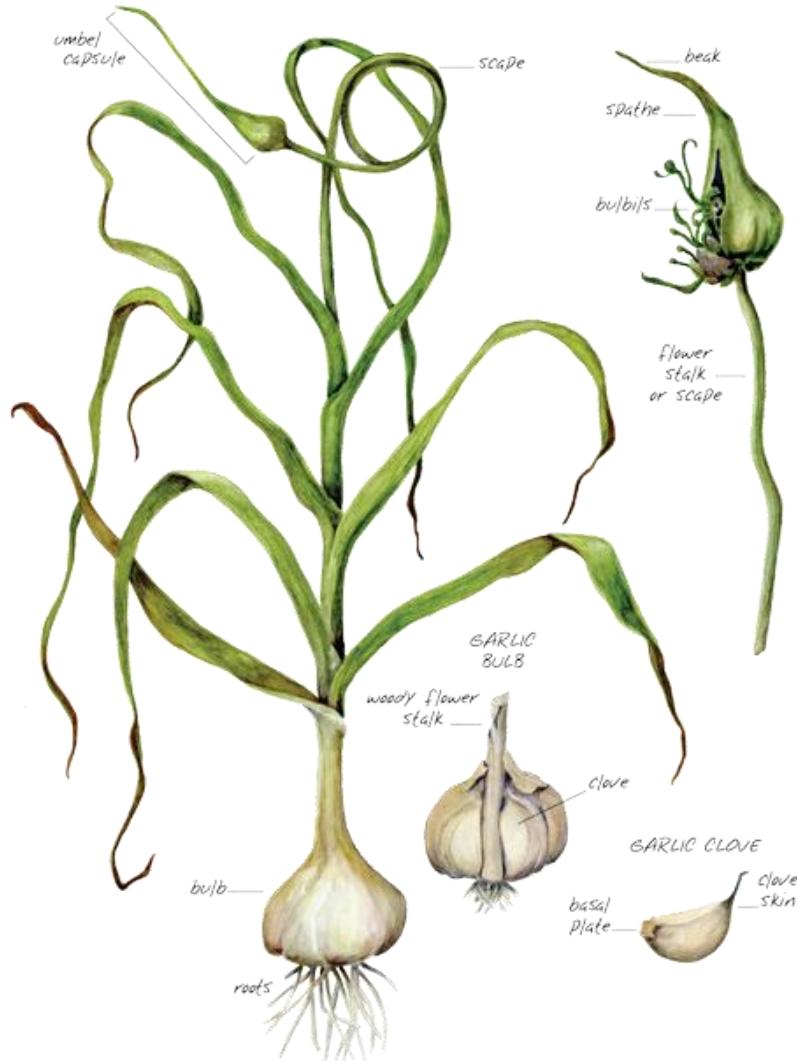


Porodica
ARACEAE



Porodica
ALLIACEAE

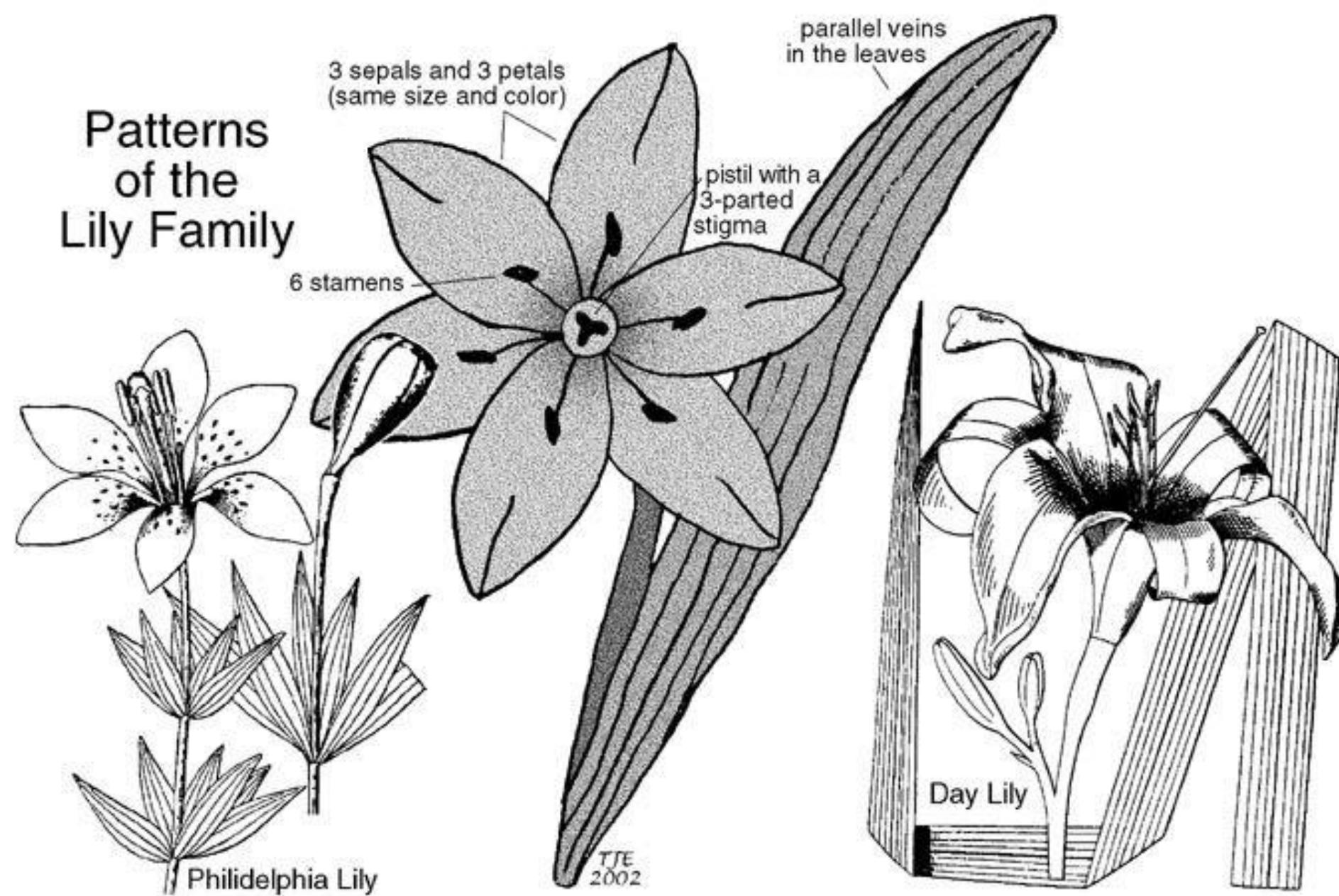
HARDNECK GARLIC



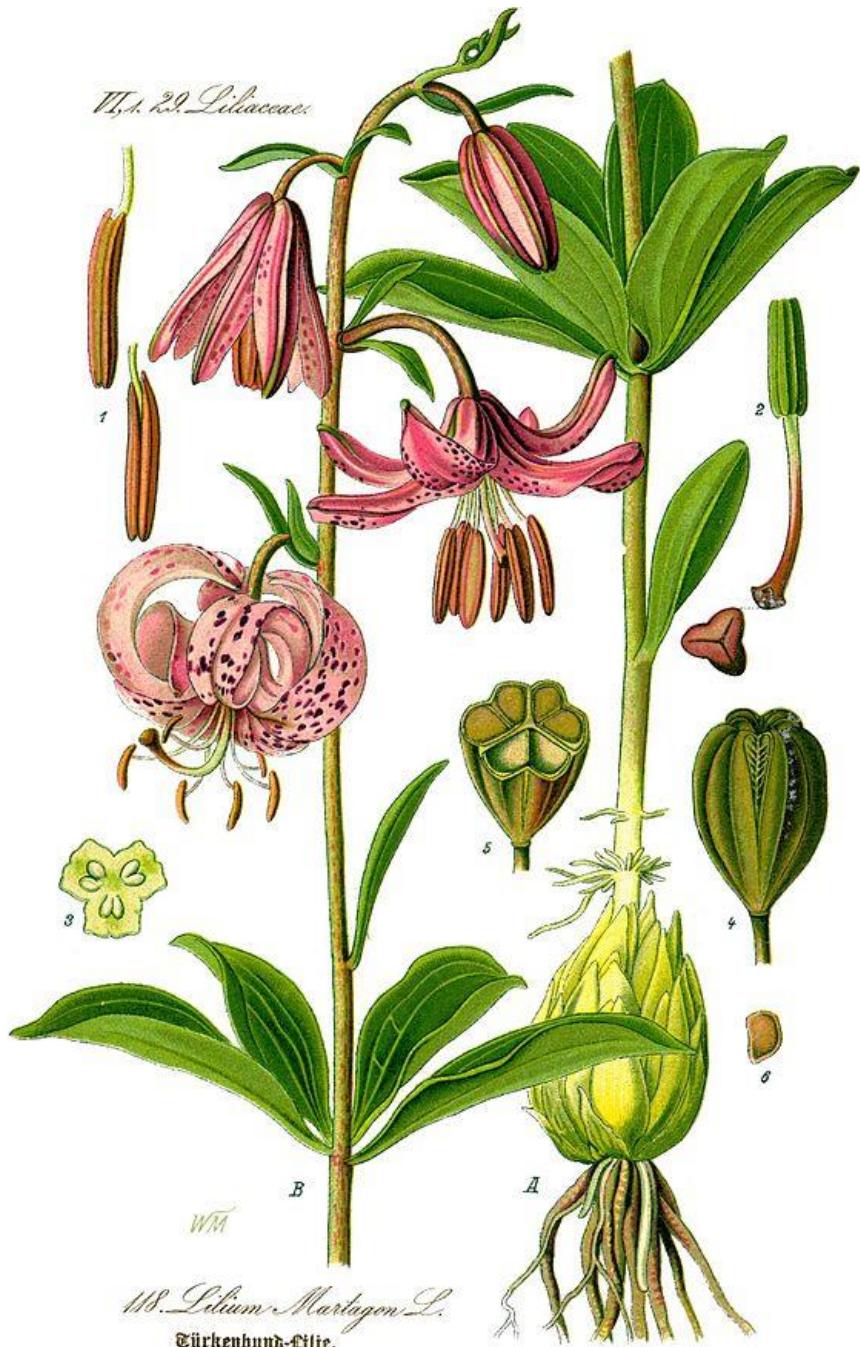


**Porodica
LILIACEAE**

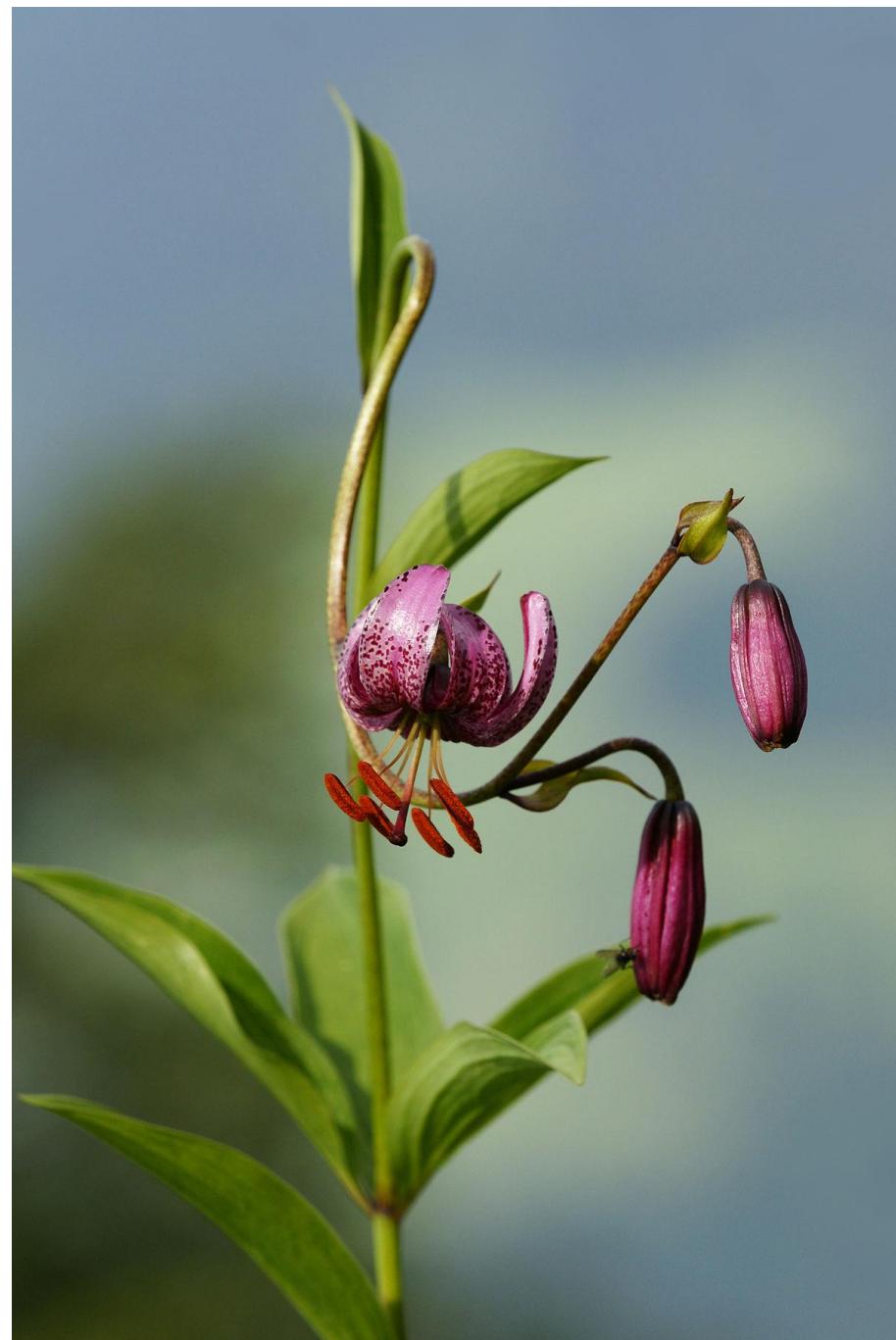
Patterns of the Lily Family



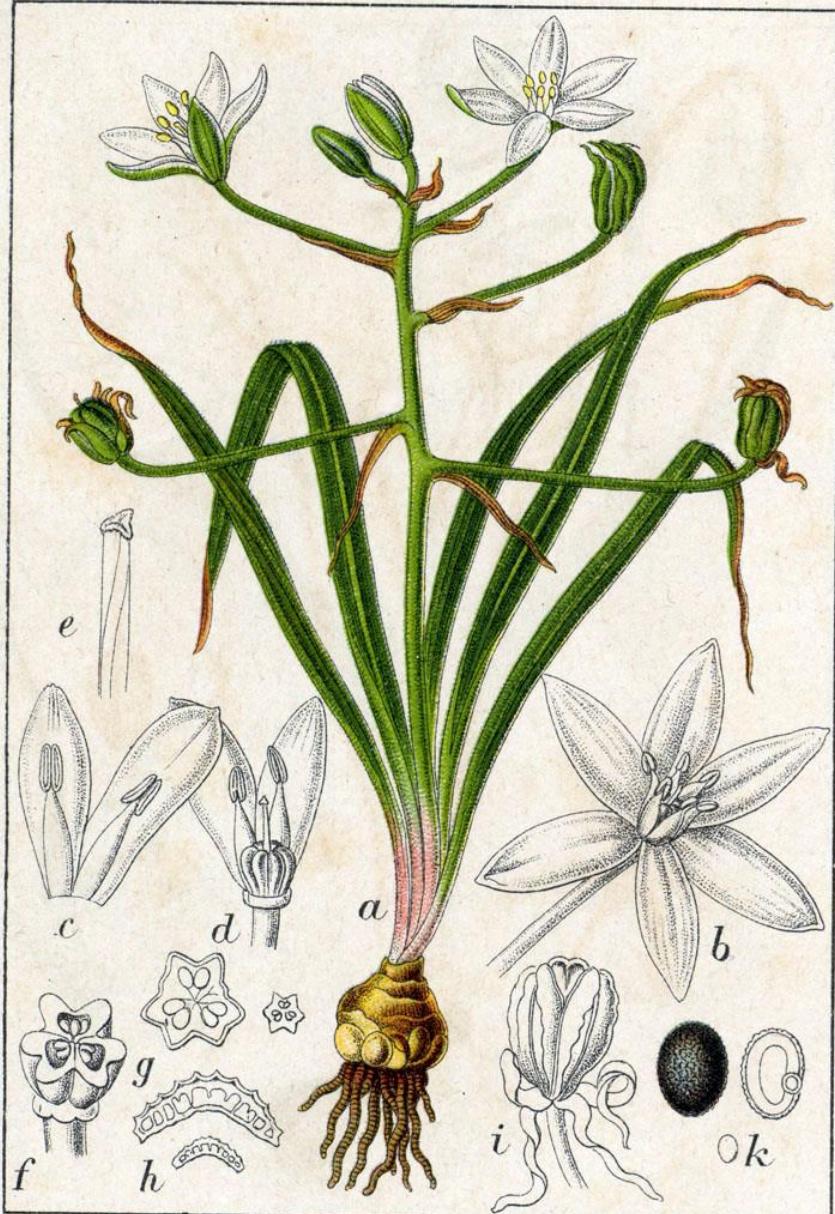
III. 29. Liliaceae.



III. 28. *Lilium Martagon* L.
Türkenbund-Lilie.



Tafel 34.



Gemeiner Milchstern, *Ornithogalum umbellatum*.

