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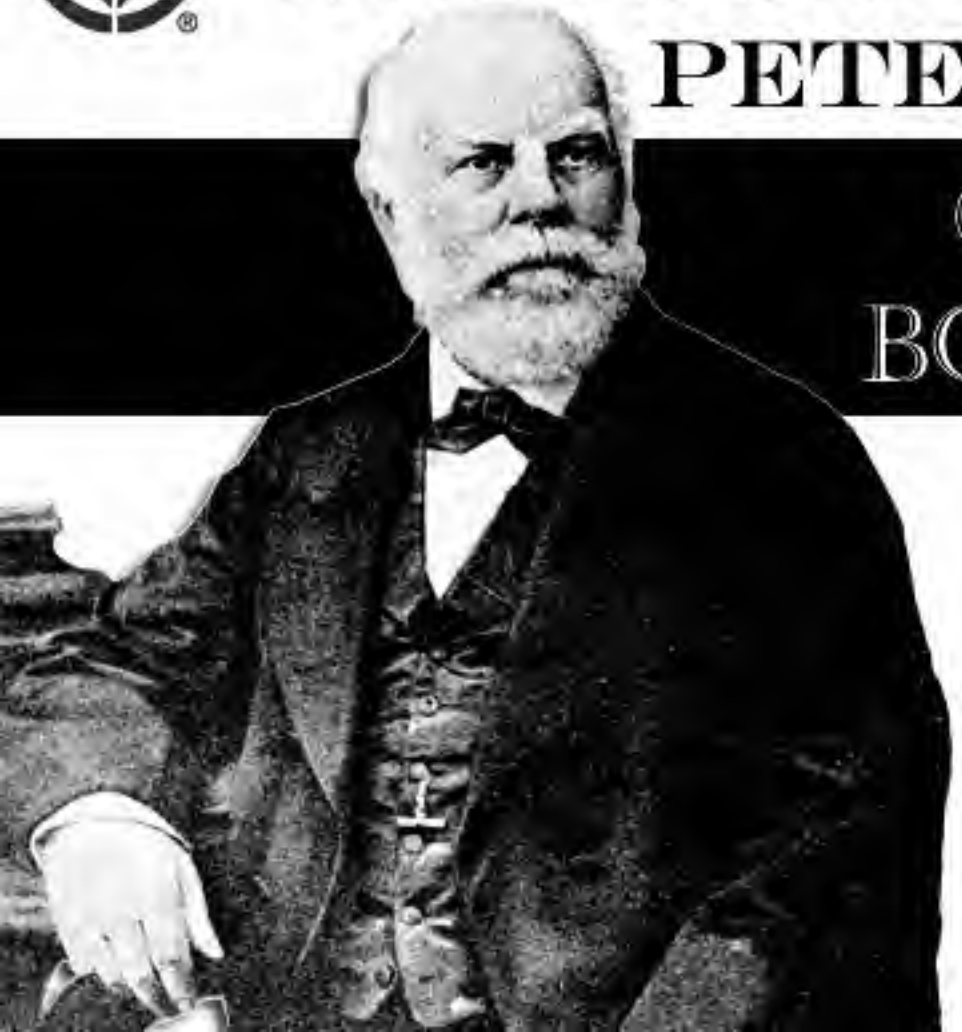

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Euphorbia Peplidion

annua parva erecta glaberrima e basi ramosissima;

foliis oppositis e basi angustata lineari-oblanceolatis obtusis,

umbellis trifidis dichotomis, bracteis lanceolatis acutis

~~glandulis involucri~~ cornubus involucri glandulam ipsa aequantibus linearibus obtusis; seminibus

2-sulcatis seminibus facie interiore longitudinaliter ~~longitudinaliter~~ ~~faveolis 2~~, dorsali punctato exsculptis ~~numerosis rotatis~~

Stony Prairies between the Nueces and San Pedro Rivers, Texas Wright no. 1823

On a Sandy Mound, Austin, Texas

A small plant, about 3 or 4 inches high, much branched from the base, somewhat of the habit of the European E. exigua with very narrow leaves etc; the seed (0.6 diameter) ~~about absolutely~~ can not well be distinguished from that of Peplus, but the capsule has no wings or ridges

E. montana E. see pag 48

E. peploides Nutt = pag 46

E. tetrapora E pag 44

E. commutata E. p. 47

E. Roemeriana Scheele p. 45

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54 see below p. 61 & 64

Euphorbia esuliformis Schauer in Linnaea 20 ~~XX~~, 729

perennis erecta glaberrima erecta strictis foliis brevissime petiolatis ~~e basi latiore acutis~~ ~~lanceolatis~~ oblongo lineariibus obtusiusculis mucronatis, rameis linearibus simplex s. plurisbifidis, inferioribus umbellae 5-fidae late ovatis, ~~sub~~ triangularibus ovatis, superioribus ~~obtuse~~ margine exterior crenato obtusis breviter mucronatis, glandulis semibus glandulis fructo brevioribus obtusis; seminibus magnis subglobosis ovatis punctis ~~irregular~~ irregularibus saepe confluentibus, lepidis impressis

Valleys and hills near the Copper mines Wright No 1820

A stout perennial abt a foot and a half high, with the habit of E. Esula, but ~~stalk~~ leaves only abt 1 inch long and 3 l wide, & the bracts only half as large, more rounded; —

~~After~~ flowering some of the bracts of the umbell continue to grow but then always with ~~the~~ narrow & sparse leaves in the fork of the branches, opposite ~~flowers~~ bracts on the lower part of the same axis. Seeds the largest ~~of the~~ on specimens; 1.3 — 1.4 l. in length & not much less in width.

Schauer's description entirely agrees with our plant

Gregg. No 351. (Sellillo). 2 feet high is probably the same — seeds smaller, only 1 line long otherwise same — bracts broadly elliptic obtuse mucronate — leaves more narrowed at base, more acute. Gregg 426 (Sellillo) is probably the same; stem more leafy, leaves narrower, ~~involucral~~ bracts more acute, styles united ~~at the~~ at their base, capit. ... see pag.

Euphorbia brachycera

annua? erecta ~~e basi~~ multicaulis ramosa glabrescens.

foliis in petiolum brevissimum angustatis lanceolatis - 1. linear lanceolatis acutis mucronatis - 5 f. 1. ramis

umbella trifida pluries bifida, bracteis inferioribus ~~elongatis~~ ovato-lanceolatis superiorbus rhombeo-orbicularibus mucronatis,

glandulis brevissime obtuseque cornutis

Semina ovata ~~leviter~~ magnitudine maculis irregularibus saepe confluentibus leviter impressis.

About Doña Ana in the Valley of the Rio Grande above El Paso — Mr Wright 1821! (greater part!) — May stems a foot high from a stout lignous base apparently annual root; — leaves 6-9 lines long, abt 2 l. wide; ~~rotundo~~ petiolos; regularly lanceolate, upper part of the stem quite narrow; — Stems short the inflorescence spreads in spring almost rudimentary: — leaf outline - length; — ~~Allied to~~ similar to that of Roemer — mother and esculeforms; but the pl. abundantly distinct from any of the

Perhaps only a form of E. Esulaeforms Umbells sometimes 4 rayed — ~~really~~ ~~typical~~? — Yes, but species of Esulaeforms are mixed with it

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56 trichotoma HBK. (II. 60 Nov 9. 4 sp

E. pauciflora n. sp.

Annua erecta ramosa glaberrima foliis ramosis ~~fasciculatis~~ parvis ~~2–4 lin. longis~~ spatulatis — oblanceolatis acutis semiteretibus foliorum

antheridiis solitariis terminalibus ~~ramis~~ ~~pro~~ (demum pro ramorum evolutione ~~pseudo~~ lateralibus.

Gaudebis involucri 5 phyllis vagis ellipticis

capsula globosa; ovis globosis semiobtusis globosis, ~~[illegible]~~ minutissimis laevibus

Along the beach of Pine Key, Blodgett; Tampa Bay Dr Lemmon Key West Blodgett

Stems 6–10 inches high — with numerous branches in upper flowering leaves usually 2–4 lines long 1–1½ l. wide ~~flowers so~~ Seed purely globose with a small caruncle; 0.8 l. in diameter

Probably a weak annual spring

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Euph. obtusata

annua erecta glabra v. glaucescens pilosa, foliis obovatis sessilibus e basi angustata oblanceolatis ~~spathulatis~~ serratis obtusis seu superioribus acutiusculis; umbellis 5 fidis (rarissime 4 fidis) ~~bractis inferioribus~~ saepe 3 fidis v. bifidis, bractis inferioribus ovatis, superioribus ovato-triangularibus; ~~stylis~~ ~~in a basi~~ obtusis mamillatis; stylis in a basi connatis, adnatis bifidis ovariis vermicis cylindricis stipitatis acquantibus; capsula vermicosa seminibus lacunosis laevibus. Illinois Meas.

~~Michigan~~ — & Missouri (common in rich woods along the Mississippi) — & ~~contra~~ Arkansas — (and 8–10 in

1 — 3 feet high — about plant of Nightshade from the europe. platyphylla ~~by the~~ this has the upper leaves and the lower bracts acute & upper bracts rounded, & glands much smaller

styles much more connate only at the apex bilobed — much longer than ovary v. ovary with hemispherical glands warts.

E. platyphyllos L. Lake Champlain Oakes! Morgan!

Specimen with 5 umbellrays.

Short's is an intermediate form

58 Dictyospermum Fischer & Meyer 1835 Index Sem. Petrop.

Capsella arkansana Gray.

See pag. 41. Nuttall 1841 Index

Slightly reticulate seeds: Curtis N. Carolina

Short Kentucky "obtusata" with large slightly reticulate seeds show that there is no absolute distinction between Ark & obtusata — they are too near one may have to be united in future.

Arkansana: Alabama Buckley
Davenport Parry
N Mexico Albert Wright
Louisiana Hale
Pope's Expedition

Var. multicaulis Wright 1824 biennial?
same but stricter is Mexican Gregg.
occurs dorso solam. vernos is Hayden, & James
upper Missouri
New Mr. Fitch
California
Hartweg 1951
& Stellman
Arkansas Engelm Nuttall Pitcher
Texas Lindheimer N.L. 302
Berlandier 2536
Louisiana Hale
Texas Spalding

= Arkansana, caps lacer! Wright on the leiocarpa
Colorado, Texas — a slender plant = Hb. Torr.
Texas Drummond II. 327 has
Capsella alsinoides smooth

= Dictyospermum Fisch & Meyer 1835 Index semin (California Bodega

Euphorbia multiradiata (erect)
annua, ~~class~~ obvious multiradiata, herbacea,
glabra
foliis linearibus oblanceolatis acutis (mucronatis)
semulatis basi angustatis sessilibus bracteis
umbellae bifidis ramis, bifidis
omnibus lanceolatis, superioribus acute lanceolatis acutis
involucri glandulis transverse ovatis
stylis liberis ~~ultra~~ ad ultra medium bifidis
capsulae (dorso convexis) verrucosis
semibus lentiformibus laevibus
fuscis

H. C. Gray

Thunbergia, London, No 381

coll = June 1851. — About 6 inches high — only single specimen, about a dozen stems from the base, 6 inches high, branching from 4 — 6 l. by 1 line wide, nearest to oblanceolata, but very different every way.

— Attica V. 84)

E. cariopitensis (Chamisso & Schl) / R. Hartweg 31

fide Bentham, is similar to Esula with many sterile branches, but leaves all equal lanceolate linear, acute at both ends, long mucronate
Umbell 4 or 5 partes, rays shorter or little longer than broad mucronate, upper & inferior
bracts roundish ovate long mucronate
horns acute about as long as gland itself — Style, much longer than ovary
under ⅓ ; deeply bifid
Seeds not seen, said to be smooth & brown

60

6661

a plant in Herb Torr, coll near Mexico by Dr Halstead corresponds exactly with this Euph. cuspidata — but seeds very much like my montana or Bachyceras; mottled with dark, slightly impressed dots all over. 0.9 lin long.

Horns shorter than the transverse diameter of ~~a fit~~ gland. —

Bachyceras has broader leaves shorter horns and transverse bracts, seeds similar

All these forms are probably = E. cuspidata

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Berlin 1857

1, Eph. campestris Sch Cham, Mexico, Schiede

sup. pg 59. — Linnaea V. p 84 gives a very poor description, which denotes nothing 1830

and so.

2, E. osculatorium Schauer, Mexico Ackenbors.

Linn XX pg 729 1847

difference of the original specimens:

E. campestris 4	E. osculatorium 4
fol. angusti oribus ~~obtusiusculis~~	fol latioribus, patulis deflexis ve
bractei superioribus ovatis	orbiculati;
glandulis punctato exsculptis truncatis integerrimis longioribus	glandulis laeviusculis truncatis dentatis, corollae brevioribus incurvis
sem	sem vix lin longis fusco caridosis reticulatis obscuris

Neither of weights plants seems ~~different~~ one of these.

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No. 3

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B

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See above

Euph. esculaeformis and campestris are nearly allied; the latter is said to have (smooth) brown seeds.! –

All the 5 myard mexican Euphorbias with mottled seeds are perhaps esulaeformis so Gregg 426 Saltillo with crowded narrow leaves; styles bifid only at apex; stigma capitate; glands with very short horns.

Gregg. 643 (Real del Monte) 3 feet high. leaves 1–1½ inch by narrow acute, must also belong here; styles united, blunt; divided only at point — stigmata capitate short nos seed

Guanaxato ~~Berlandier~~ 1320 probably, no fl or fr.
Roadsides near Mexico. Dr Halstead – Hb Torr
Hartweg 31 ? no seeds seen.
Bentham names it "campestris"
Wright on the Mexicans 1849
Coppermines N Mexico — Bigelow. Wright 1820
Saltillo Gregg. 426. 351 and some specimens 1821
Real del Monte " 643

Present (Febr. 1859) disposition is:

Euph. campestris strict leaves, long horns
Mexico Schiede!
Real del Monte Gregg. 643
doubtful with short horns Saltillo, Gregg 426

Euph. esulaeformis petaloid or reflexed leaves short horns
Mexico Aschenborn!
" Halstead
" Hartweg No 31
Saltillo, Gregg No 351
with larger seeds and less petaloid leaves Wright 1820

Euph. brachycera is no doubt var brachycera of this species or doesn't belong to Montanae?

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see C. obovata

Euphorbia ovensalata the only perplex Euphorbia known to me with ovate leaves, or with sharply denticulate —

annua erecta; glabra; folii obovati acutis in basis attenuatis ~~acuta~~ minute ovato ~~dentata~~ serrulatis mucronatis umbella 5 fida; bractei late ovates acutis superioribus transversim ovatis ferentes serrulatis mucronatis.

Involucri glandulis longe cornutis cornubus glandulae magnae ~~magnitudine~~ subulatis ~~subulatis~~ diametrum transversum ~~sub semipollicem brevior~~ sub aequantibus; stylis bipartitis, ad med. bifidis stigm. clavatis.

Semilibus ovato subglobosis in e ochreo-fuscis ~~punctis~~ maculis obscurioribus confluentes papillis impressis et excavatis notatis.

Thomas Bigelow. in Whipple Exp. 1854

Hab For California Hartweg 1950

Stem 1 foot high, simple or branching below; leaves abt 9 l. by abt 5 l. broad; involucrally broader & shorter glandes vinnose seed nearly a line long, very thick & unusually dark

Nuttall collected the same (Hort Acad Philadelph. sub nom E. californica (non ...)

Greggii

Euphorbia ~~dathymifolia~~

annua erecta glabra — caulis foliis planiusculis elongatis basi rotundatis integerrimis (brevissime pilosulis) umbellis 3 fidis; bractiis infra e basi lata (ovata) triangulis elongatis; superioribus ovato-rhomboideis obtusis mucronatis;

~~glandis~~ cornubus obtusis plerique (semper) glandulae diametro transverse subaequantibus

Sem. ovatis obscure punctis irregul. confl. parce impressis notatis. Hab. Sabinillo, Mexico Greg. 429. n. — Stem 1 foot high, mostly simple leaves abt 2 inches long, ½ inch broad; lower bracts 1 inch broad at base, 1½ inch long — ‡ a peculiar looking species different from all our other peplioid Euphorbiae.

‡ seed abt 0.8 c. long.

Seemann, Sierra Madre, is another lanceolate long leaved entire margined peplioid Euphorbia — no seed seen; leaves 2 inches long ¼ inch broad — the horns shorter than the gland.

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var of C. esculaeformis?

Euphorbia subdentata n. sp.

perennis? erect. glaberr.
foliis oblongo linearibus brevissime petiolatis,
inferioribus integris obtusis, superioribus
versus apicem dentatis mucronatis

umbella sub 5 fida, ~~[illegible]~~
~~[illegible]~~ bractiis ovatis obtusis grosse
irregulariter dentatis v. subintegris.

coronulae glandulae distinctae transversae
bis ferve bicornutae, liliaceae obtusis,
stylis bipartitis, apice bifidis, stigm.
clavatis.

San Francisco Spring Sonora Hilton
~~California~~? Fany March ~~1852~~
No fruit. — 1 or 1½ foot high;
leaves petiolary (or lower ones even
reflexed) 8–10 lines long 2–3 lines
wide, very obtuse. —

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publ in Whipple. Bot pag 135 (79)
without descript.

Euphorbia Leptocerna
~~annua~~ (s. biennis (?)) ~~glabrescens~~ glabrescens
foliis late obovatis obtusissimis, v. ~~[illegible]~~ seu retusis
~~seu retusis~~ ~~brevissime attenuatis~~ ~~basi attenuata~~
seu sub ~~[illegible]~~ obsolete
umbellis trifidis, ~~[illegible]~~ ~~ad radices~~ sursum ramosissima
bractei latis triangularibus s. superioribus transversim, basi truncata s. vix cordata, obtusis
coronibus glabris subulatis diametro transversa magnae
glandulae ~~[illegible]~~ vix acquantibus i.e. brevioribus
stylis ~~[illegible]~~ basi solum coalitis
semibus magnis, mamillis obscure irregularibus confluentibus leviter impressis notatis;

Gran Valley California Dr Bigelow.
March 1854 — Hb Torr & Gr. A stout plant in habit similar to E. commutata, but larger in all the parts; stem about a foot high, lowest part decumbent, the erect, woody biennial growth. leaves below ½ inch, upwards 1–1½ inches long and nearly half as wide. Bracts 8–10 lines broad, lower ones as long or longer, upper ones shorter.
Seed about 1.2 lin long; marks on it more confluent and irregularly mottled than in any other of our Euphorbia Leptocerna. —

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66.

var of E. Montana B

Euphorbia

~~annua (s. biennis?) erecta, glabra~~

perennis — humilis, glabra s.

sum — simplex pubescens; foliis

bracteis subsessilibus oblanceolatis s. lanceolatis

linearibus acutis mucronatis

supe rubellis

umbellis 3 fidis. Bractei ifsis

(lanceolatis de basi ovata) superne

late ovatis;

coronis perbrevibus;

seminibus magnis subquadratis

Sonora, San Luis Mountains & Santa Cruz

Capt E. R. Smith —

similar to Cumata in habit

leaves narrower, seeds (Dr Gray)

much larger. — The pubescence rather

unusual specimen is something quite

peculiar in this section —

Euph. corollata see page 40.

If its corollate almost always

about 3 lines in diam, varying below

2 or even 1½ to 4 —

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Euph. pavonetorum Ell

petiolis vaginantibus ?

foliis ovatis folii alti ovatis petiolatis obtusiusculis, subtus pallidis pilosiusculis s. nudis; caule petiolis quoque pubescente s. ~~[illegible]~~ subnudis

inflorescentia 3 fida, multotiies 3 & bifida; bracteis superioribus reductis parvis ovatis mucronatis obovatis ciliatis, s. nudis

pedunculis quinis; ~~pale~~ involucro pubescente s. glabrato; glandulis ~~5~~ obsoletis angustis appressis

capsula laevi. semen ?

~~1~~ 2-3 feet high — leaves 2 inches long 1/4 wide petioles 1/4 inch long sessile bracts authodii with appr. short ciliae in distance

Wrightii Zwolfr

Euph. sieboldiana

e radice fusiformi perennis multicaulis striata ramosissima, ~~glabra~~

foliis inferioribus oppositis, superioribus oppositis linearibus (integris acutis) glabris stipulantibus ~~lineq~~ plerque suffultis

~~pauciflorus~~ authodii, alaribus s. pseudoaxillaribus

involucri campanulati pubescentis glabris s. late obovatis appendiculatis appendicibus, cumulatim s. integrisculis

stylis basi connatis ovarii, profunde bifidis, (stigmatibus stylorum crispatis, ovarii pubescentis)

~~capsula laevi~~

~~capsula laevi~~ semina glabrata

sem. globosa, (e ~~[illegible]~~ maturitatis)

viscosulata (~~[illegible]~~ Maturis ?) punctata

~~[illegible]~~ scabriusculis

68 Wright 1827 below the Rio Pecos & San Pedro – West. Texas Dr Woodhouse & Capt Pope Expd

Root black, 1 inch diam. 1–2 ft long – Stem 1 foot high, leaves 1–2 inch long 1 line wide – stiff

Involucre large, simple cuneiform quite large 1.3 – 1.4 l. – lengths not much less in Nectar

Euph. bicolorata annua erecta gracilis fol. oppositis, brevito petiolatis lanceolatis linearibus acutis integris, floribus axillaris angustioribus authodiis alaribus; capsulatis, glabellis ~~uniform~~ bilobis, appendulis binis brevibus seu elongato lanceolatis stylis vix connatis ad medi bilobis, stigmatis erectis ~~vix incrassatis~~ subpartitis; capsulae laevi usque sentes ovatis acutis, angulato tuberculatis

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on rocks Eastern part Sonora, Sierra de los Animas, Wright 1831

Copper mine Arizona, Santa Cruz Wright. – 6 – 15 inches high leaves 10 – 15 lines long 1 – 2 l. broad Seeds 10.8 l. long, strongly tuberculated and almost angular. The appendages of the glands vary much usually large, long, always white

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