

II. Mr Sam. Brown *his seventh Book of East India Plants, with an Account of their Names, Vertues, Description, &c.* By James Petiver, Apothecary, and Fellow of the Royal Society. *These Plants were gathered between the 15th and 20th of June, A. D. 1696. in the ways between Fort St George and Trippetec, which is about 70 miles off.*

249. Cora calunga Malab.

TRasi *Oriente* radice Olivari. an. *Cyperus rotundus Orientalis* S. B. 7. 249. major C. B. 13. 1. *Theatr.* 208. c. 12. 1. *H. Ox.* Sect. 8. pag. 236. 2. *Tab.* xi. *Ser.* 1. *Fig.* 2. This Plant is said to be in *Rauwolfphs* Collection: Dr *Plukenet* also in his *Almagest.* p. 127. 8. pretends to have it. The *Roots* of this next the *Leaves* are fibrous, to which lower adhere others as it were *Neck-laced* and *Strung*, which are oblong like those of *Drop-wort.* The *Leaves* are long and narrow, its *Panicles* are Greenish mixt with Red, these are frequently prolificus, yet seldom more than 4 or 5 *Cocks-foot-like* spikes, at the end of each slender pedicle.

I distinguish all those *Cyperuses* by the name of *Trafi* as have compressed squamose panicles, like the *Gramen Filiceum*, *Amorettes* or *Gr. Amoris*, whose lesser spikes grow very like some of our *Daffylons.* This is *Cyperus-grass*, the Natives give the Decoction of the *Root* in *Fevers*, *Faundice* and *Obstructions* of the *Liver* here are many *Species* of it, S. B.

N. B.

250. Comachée pillee Malab.

Squinanth. or Camels Hay *Angl.* *Juncus odoratus* Lat. Σ κοίνας S. B. 7. 250. *δευματικός* *Grec.* *Schananthum Officinis, Belgis & Italis.* *Camdischeu* *Germ.* *Pasteure de Chameau* *Gall.* *Adhar & Adhir* *Arab.* *Sachbar Arabia* *incolis.* *Giunco Odorato & Squinantho* *Ital.* *Paya de la Mequa* *foe* *Paya de Chamellis* *Hisp.* *Palear de Mecka & Pastus Camelorum* *vugo.*

Uiiiiiii

Schr.

Schænanthus odoratus Officinarum nobis. Schænanthe Pomet. lib. 6. p. 173. cap. 1. Fig.

Schænanthus five *Juncus odoratus* I. B. v. 2. l. 18. p. 515. c. 223. Fig. *Cabr.* 196. Fig. 1.

Schænanthum Ger. 39. Fig.

Schænus Cord. in *Diosc.* p. 4. c. 16. *Schænus* seu *Schænuantus* Cord. Hist. 199. c. 54. Fig. mala 200.

Schænanthus & *Juncus odoratus* Offic. Dale 374. 3.

Schænanthus Ray H. Pl. 1310. c. 4.

Giunco odorato *Durant.* 212. Fig. 1.

Gramen Dactylon Madraspatense, cum pluribus spicarum paribus ad summum caulis velut in verticillas positis *Pluk.* Tab. 119. Fig. 2. *Alm. Bot.* 175. 6. *Gramen* ad *Juncum* accedens aromaticum majus *Syriacum* H. Ox. *Selt.* 8. p. 229. *Tab.* 9. Fig. 25. *Gramen Dactylon* aromaticum, multiplici panicula, spicis, brevibus tomento candicantibus ex eodem pediculo binis *Pluk.* Tab. 190. Fig. 1. *Alm. Bot.* 175. 5.

Juncus odoratus C. B. in *Matth.* 56. Fig. *Clus.* Exot. 203. c. 34. Fig. *Fragos.* 60. c. 28. *Garz.* 137. c. 34. *Juncus odoratus* tenuior *Park.* 144. Fig. *Juncus odoratus* five *aromaticus* C. B. 11. 1. *Juncus* *Odoratus* five *Aromaticus* qui *Squinanthum* Officinis quasi *rotundus* *Junci* *flor.* C. B. *Phyt.* 31. 12. *Juncus odoratus* five *Schænanthus* *Ad.* 42. *Juncus rotundus aromaticus* C. B. *Theat.* 163. Fig.

I take the *Codipulu* of the *Hort. Malab. Vol.* 12. *Tab.* 57. p. 107. to be a Species of this, if not the same, the *Figure* pretty well agreeing with it, particularly the *separate Squamæ* and *Flowers*, which are express'd towards the bottom of the *Table* on the left hand, and farther to confirm it in the *Description*, there is notice taken, that its *Leaves* are of an *Aromatick* scent.

Dr Plukenet has needlessly *Figured* this Plant twice over, since his first *Figure* (which was from a Specimen I gave him) is much truer than the last, viz. *Tab.* 119. *Fig.* 2. & *Tab.* 190. *Fig.* 1.

This is *Schænanth*, which the *Natives* here have not in great Esteem, sometimes in the *Moors Camps*, the *Horses*, *Camels* and *Oxen*, which carry burthens eat nothing else, it's generally 2 or 3 foot high, here about, but near *Color* in rich Soyl, I have seen it 8 foot high, and thick as a Quill or small Reed: It's sometimes by the *Natives* put into their *Decoctions* for *Fevers*, and is good for *Coughs* and *Thrush* in Children, and with us is deservedly of more esteem. S. B.

Pluk. Tab. 119.
Fig. 2. & *Tab.*
190. Fig. 1.

251. *Vettever Malab.*

S. B. 7. 251

Gramen Madraspatanum majus, cujus locustæ spiniulis armatæ sunt. *Mus. Petrocr.* 559.

These *Roots* are very long, fibrous and whitish, of a fragrant smell whilst fresh, the *Leaves* are long, stiff and flag-like, but narrow; its *Panicle* is Reed-like but not downy, composed of many slender *Spikes*, each composed of small rough, or rather serrated squamæ.

The *Natives* use a *Decoction* of the *Root* for *Fevers*, *Rheumatizms*, *Janne*, &c. S. B.

251. a. *Vasna pillè Malab.*

S. B. 7. 251. a.

Gramen Citratum fragantissimum e *Madraspatan.* *Mus. Petrocr.* 586.

Dr Plukenet makes this a *Cyperus grass*, but for what reason I know not, having as yet seen nothing but its *Leaves*.

This is a most delicate sort of *Fragrant Grass*, which being rubb'd, smells like *Baume* and *Lime* or *Limon-peel* together. The *Portuguese Women* fume their *Children* with it, and give the *Decoction* of it with other things for *Fevers*, and to strengthen weak *Stomachs*; but the *Natives* use it not, which together, with its growing in *Gardens* on the *Sea Coast*, and not up the *Country*, as I can yet observe, makes me think the *Portuguese* brought this from other parts and planted it here; certainly so excellent a *Plant* of such *Fragrant* and *Aromatick taste* must have many *Vertues*. I use it in many cases, and generally with success. While I was writing this, in came a *Person*, who says, that about 30 years ago, viz. about 1666. one *Antonio Palia* brought 3 *Pots* of this *Grass* from *Batavia* to *Paliacut*, one of which he sent to a *Garden* here at *Madras*.

252. Neer chenden nelle *Malab.* Rice *Anglis* *Arz. seu* *Arzi Arab.* S. B. 7. 252.
Reys Fl. Ris Gall. Reifz Germ. Opula Grec. Atroz seu *Arroz Hiss. Kiso Ital. Oryza Lat. Oryza vulgaris aristata nob.*

Oryza Ad. 12. Aug. 98. C B. in Matth. 326. c. 88. Fig. C B. Phyt. 52. C B. Theatr. 479. c. 29. Fig. I B. V. 2. l. 18. p. 451. c. 48. Fig. I B. prodr. 50. p. 35. Bod. 362. Brunf. Tom. 2. app. p. 15. Cam. Hort. 112. pl. 6. Chabr. 174. Fig. 4. Cord. in Diosc. 42. c. 117. Diosc. Ind. 37. Phil. 35. Dod. Fempt. 509. c. 28. Fig. Ger. 72. c. 52. Fig. Ger. emac. 79. Fig. Cat. Pl. Jam. 24. Lacun. 185. Lob. Icon. 38. Lob. 23. Fig. 3. Lonic. in Diosc. 34. l. 2. c. 85. Lugd. 407. l. 4. c. 16. Fig. Matth. 254. l. 2. 88. Fig. Munt. 4to 552. c. 346. Munt. Hist. & Phyt. curios. 797. c. 366. H. Oxon. Sect. 8. p. 201. c. 15. 1. Tab. 7. Ser. 3. Fig. 1. Park. 1136. c. 22. Fig. Ray H. Pl. 1246. c. 6. Ryff

12

in *Diofc.* 232. pro 132. l. 2. c. 87. *Tabern.* 676. Common bearded Rice.

253. Chenduppee Corea. *Ma'ab.*
S. B. 7. 253. *Cyperus Madraspatanus Allij capitulo. an. Pee Mottenga Malab.* i. e. Mottenga *Sylvestris.* Badera musta *Bram.* H. *Mal* V. 12. *Tab.* 53. p. 99. *an.* *Cyperus fibratus, spicis subrotundis magnis singularibus folijs sessilibus H. Oxon.* Sect. 8. p. 238. 28.

This is distinguished from others, particularly from No 273. following, in having but one head and its *squama* large and turgid, the *Leaves* about it very long, narrow and seldom fewer than 4 or 5-

254. Arfee pillee *Malab.*
S. B. 7. 254. *Panicum Madraspatanum* minus spica densiore multiplici. *an* Gramen Paniceum *Curassavicum*, paniculis in spica longa dispositis, *P. B.* pr. 337. This comes next to *Dr Plukenets* Gramen *Panicum* multiplici spica *Maderaspatanum* *Phyt. Tab.* 191. Fig. 1. but that the *Spikes* of this are thicker and stand closer together.

255. Aune Coodee *Malab.*
S. E. 7. 255. *Cyperus Madraspatanus maximus, spicis tenuibus, glumis semini Santonici similis.*

Each *Panicle* stands on longer or shorter footstalks, some more than 6 inches from the basis, others without any, these are composed of 6 or 8 spikes, surrounded with oblong squamose heads resembling *Wormseed*, by which it may be easily known from all others, the longest of these *Spikes* rarely exceeds 3 inches. From the basis of the *Panicle* extend several *Flag like* leaves of different growth, *viz.* some more than an inch broad and 2 foot long.

256. Palea muta coree *Malab.*
S. B. 7. 256. *Muf. Petiv.* *Randalia Madraspatana* Graminis folio globulifer *Muf. Petiver.* 796. Scabiosa Graminifolia nudicaulis, capitulis argenteis. f. *Statice minima Maderaspatana* *Pluk. Phyt. Tab.* 221. Fig. 7. *Alm. Bot.* 336. pl. 9.

This is neither a *Scabious* nor *Thrift*, but a peculiar Plant with a small white globular head and Grassy leaves.

257. Vana malle coddee *Malab.*
S. B. 7. 257. *Cyperus Madraspatanus minimus Xaniboides* *Muf. Petiver.* 598. *an* *Scirpus omnium minimus Indicus*, capitulis villosis *Instit. Rei Herb.* 528. pl. *utr.?* This is a very elegant, small prolifick Grass, the *Roots* shooting from one to another, 'tis full of small *Bur-like* heads, generally one on a stalk, sometimes two, and very rarely 3, it hath a short beard from the Head and a longer above, *viz.* $\frac{1}{2}$ an inch or thereabout.

258. Mau-

258. Mautangee pilloo Malab.

Alopecurus Malabarica folijs undulatis spica pratenu. *Gramen* Pluk. Tab. 119. Fig. 1. *Alm. Bot.* 177. pl. 4. *Alopecurus Madraspatana*, folio brevi crispo, spica purpuro sericea *Hist. Oxon.* Sect. 8. p. 191. 7. & *Alopecurus Indica* spica longiore nigricante *H. Ox. S. 8.* p. 191. 5. *Tsjeria Kuren pullu Malab, Tana Bram.* Hort. Malab. Vol. 12. Tab. 62. p. 117. *S. B. 7. 258.* *Pluk. Tab. 119. Fig. 1.* *H. Ox. f. 2. p. 191. 5.* *H. Ox. f. 8. p. 191. 7.* *H. Malv. 12. Tab 62. p. 117.*

This is easily distinguished from all others by its curl'd Leaves, and long slender bearded spike.

259. Narree pillec Malab.

Gramen Panicum spica simplici levi *Ray Hist. Plant.* 1261. Its smooth, yellowish shen *Aristæ* or Beard, distinguishes it from the rest with single Spikes of this kind. *S. B. 7. 259.* *Ray H. Pl. 1261.*

260. Naun ducal pillu Malab.

Panicum Madraspat. perelegans feminibus perlatis *Mus. Petiver* 560. This rare Grass hath a fibrous Root and very hairy Leaves; it bears its Spikes from near the bottom to the top of its Branches, each are composed of small round Poppy-like Seed, one above another, yet somewhat alternately, in some measure resembling the Pods of *Ornithopodium* or *Birds foot.* *S. B. 7. 260.* *Mus. Petiver. 560.*

261. Taüta Correa Malab.

Juncus Madraspatanus minor. an *Gramen Junceum* f. *Juncus foliaceus humilis caule rotundo Maderaspatensis* *Pluk. Tab. 192. Fig. 6.* & *H. Ox. S. 8.* p. 232. 19. *S. B. 7. 261.* *Pluk. 192.* *Fig. 6.* *H. Ox. f. 8. p. 232. 19.*

Some of these are a Span and $\frac{1}{2}$ high, others but $\frac{3}{4}$ inches from the Root which is fibrose; its Tufts are composed of several oblong squamose thick Heads, these have no Leaves from its Tufts as No 282. The Seed is very small and black. *S. B. 7. 282.*

262. Tune adde pille Malab.

Gramen Madraspat. hirsutum glomerulis echinatis. an *Gramen hirsutum Indicum* glomeratis capitulis *Lagopi æmulis*, glumæ squamulis plurimis purpurascensibus arista unica donatis compactili *Pluk. Tab. 190. Fig. 7.* *H. Ox. S. 8.* p. 193. 26. & p. 224. 3. This is distinguished from all others by its hairy Leaves and Heads somewhat like Bur Reed, but much less, or rather some of the knotted *Trefoil*, and from *S. B. 4. 176.* that being larger, and the Squamæ of its heads softer and closer, resembling those of the *Juncus capitulis Equiseti*, C. B. *S. B. 7. 262.* *Pluk. Tab. 190. Fig. 7.* *H. Ox. f. 8. p. 192. 26.* *H. Ox. f. 8. p. 224. 3.* *S. B. 4. 176.*

- 5, B. 7. 263. 263. Kairupum bille *Malab.*
Dactylon Madraspat. minus Arundinaceum folijs brevioribus teneris. This differs from S. B. 292. in having its Leaves shorter, broader and thinner.
- S. B. 7. 264. 264. Poo-pillee *Malab.*
Mus. Petiv. 61. Under this *Malabar Name* is sent 2 varieties of *Cocksfoot Grasses*, viz. 1. *Gramen Daetylon Madraspatanum* spicis villosis flavescentibus speciosis *Mus. Petiver. 61.* The other *Gramen Daetylon Madraspat.* spicis pilosis *Mus. Petiv. 60. an. Kouda pullu Malab. Tana Bram. H. Mal. Vol. 12. Tab. 51. p. 95. ? an. Gram. Daetylum H. Ox. f. 8. p. 185. pl. 15. Tab. 3. fer. 2. Fig. 15. ? an Gr. Daetylum* elatius spicis plurimis tomentosus *Cat. Pl. Fam. 33. an Graminis 1 species Marcgr. p. 1. ?* This differs from the first in having brownish spikes and shorter awns.
- S. B. 7. 265. 265. Shanee Coree *Malab.*
Mus. Petiv. 593. *Cyperus Filicinus* medius, panicula comosa e *Madraspatan* *Mus. Petiver 593. an Gram. Junceum* minus *Indicum* spiculis plurimis parvis in capitulum digestis *H. Ox. f. 8. p. 227. 8. ? an Mullen pullu H. Mal. v. 12. Tab. 54. p. 101. ?*
H. Ox. f. 8. p. 227. 8. These *Panicles* grow in Tufts, never exceeding an inch from the Base, which is guarded with unequal *Leaves*, some above 5, others not one inch long: Its *Root* thready, and as it were hoary. It grows from $\frac{1}{2}$ a Span to near 2 Foot high.
- S. B. 7. 266. 266. Chendu Correa *Malab.*
Mus. Petiv. 593. *Juncus coniferus Madraspat. major.*
H. Mal. v. 12. Tab. 54. 101. an *Gramen Cyperoides Madraspat.* caule compresso, sparsa panicula Junci *Pluk. Tab. 192. Fig. 5. ?* This differs from No 271 and 300, in being much larger, taller and stalk flattish.
- S. B. 7. 267. 267. Peacaramboopu *Malab.*
S. B. 7. 300. *Arundo Madraspat. plumosa flavescens.*
 This differs from the next in having much broader *Leaves*, and its *Panicles* less downy, and very full of small *Seed*, with brown yellowish tips.
- S. B. 7. 268. 268. Naunel pu *Malab.*
H. Ox. f. 8. p. 219. 8. *Arundo Madraspat. panicula sericea albissima.*
H. Mal. v. 12. Tab. 46. p. 85. ? an *Arundo Indica cava H. Ox. f. 8. p. 219. 8. an Kerpa Malab. Bala Bram. H. Mal. v. 12. Tab. 46. p. 85. ?*
 Its *Leaves* are narrow, long and apt to convolute, or closeround the *Panicle* downy and very white, each single spike much resembling those which lie in the *Codded Willow Herb.*
- S. B. 7. 269. 269. Maudu

269. Maudu Corea Malab.

Trafi *Madraspat.* panicula speciosa rufescente.S. B. 7. 269.
Mus. Petiv.*Cyperus longus Madrasp.* panicula rufescente speciosissima Mus. 589.*Petiver.* 589. This differs from 249, in having more elegant *Panicles*, thicker set and of a rusty colour, each squamose head resembles those of the common *Amouretts*, but are lesser.

270. Calla pillee Malab.

Schœnanthus major Madraspat. glumis Roseis Mus. *Petiver.* 574. Mus. Petiv.This is easily known from the other *Schœnanths* in having hollow Oat-like husks, 8 or 10 together disposed into a Rose fashioned tuft, each terminating pointed with a short hair like arista or beard.

271. Coddane codee Malab.

Juncus coniferus minor Madraspatanus capitulis rotundioribus. S. B. 7. 271.
Pluk. Tab. 95.*Juncus Orientalis* panicula speciosa e *Maderaspatan* Pluk. Tab. Fig. 3. H. Ox. 95. Fig. 3. *Cyperus minor Maderaspatensis*, panicula sparsa e locustis rotundis composita H. Ox. f. 8. p. 238. 29. an. Gram. Luzon. I. Camel. Mß. in Delineat. ?

272. Pauni pille Malab.

Amourettes Madraspat. cristata minor, spica brevior viscosa.

S. B. 7. 272.

What is peculiar in this *Love-grass* is its having just under each spike, its stalk clammy, as in the *Muscipula* Lobelij or Lobells *Catch Fly*.

273. Mucutang Corea Malab.

Cyperus Jamaicensis fere tricephalus.S. B. 7. 273.
Cat. Pl. Jam.*Gramen Cyperoides* minus spica compacta subrotunda viridi, radice odorata Cat. Pl. Fam. 36. pl. 7. *Juncellus Madraspat.* capitulis compactioribus, acumine bifido longiori Pluk. Tab. 197. Fig. 7. H. Ox. f. 8. p. 232. 10. an *Cyperus rotundus Indicus* capitulis subrotundis conglomeratis H. Ox. f. 8. p. 236. 7. ? an *Malobotones Luzonensis* Camelli Mß & delineat. an *Mottenga Malab.* Musta Bram. H. Mal. v. 12. Tab. 52. p. 97.The *Heads* are small, round, and seldom more than 3, the middlemost is biggest, the rest set round it; these often when ripe rub off, and the stalk in the middle only remaining (to which the Seed stuck) it very much resembles a Mouse-tail: The *Leaves* about the Head are generally 3, and sometimes 4, but are much broader, shorter and stiffer than No 253. It *Flourishes* in September. Dr *Sloan*, who hath found this same *Cyperus* in *Jamaica*, observes the *Roots* to be fragrant, tho thready as the *Hort. Malab.* also does of the *Mottenga*: I have samples of this near 2 Spans long.

S. B. 7. 274.

274. Neer Naunel pu *Malab.*

Gramen pratense *Madraspat.* panicula longissima.
The *Glume* or *Husk* of this Grass is mighty small, the *Spike* or *Panicle* long, but not much spread.

S. B. 7. 275.

275. Code mutta ge pille *Malab.*

Pluk. Tab.

Dactylon *Madraspatan.* erectum fere tetraëticon.

300. Fig. 8.

Alm. Bot.

175. pl. 2.

Gr. Mchemen *Malabar.* speciosius longioribus & mucronatis folijs *Pluk.* Tab. 300. Fig. 8. it may also be the same which Dr *Plukenet* calls *Gram. Dactylon Orientale stellatum* spica elegantiori e *Madraspatan.* Alm. Bot. 175. pl. 2.

This grows upright from a fibrose *Root*, hath very long *Leaves*, and generally but 4 spikes together, which distinguishes it from another I have received from thence, viz. *Dactylon Madraspatanum procumbens* spicis fere quinquifidis Of all the Grasses yet Figured the *Gramen Stellatum Egyptianum Vestingij* p. 53. seems the nearest to resemble this last Grass, because some of these *Spikes* are shorter than others, and that it *Roots* at several joynts, which *Vestingius* complains his *Figure* does not express; it rises about a foot high, which also agrees with the description.

S. B. 7. 275.
2.

S. B. 7. 276.

Mus. Petiv.

446.

Mus. Petiv.

447.

276. Coondu manne poondoo *Malab.*

Here are 2 *Varieties* of this *Plant*, viz. *Perexil Champaccensis humilis polycephalus albus capillaceo folio Mus. Petiver* 446. & *Perexil Champaccensis capitulis carneis capillaceo folio Mus. Petiver* 447. Besides its colour, this last grows longer than the other.

S. B. 7. 277.

Pluk Tab. 190.

Fig. 4.

H. Ox. f. 8.

p. 204. 56.

277. Nelle matche pille *Malab.*

Gramen *Madraspat.* pratensis facie, glumis minimis. an *Gram. Madraspat.* panicula spicata longa speciosissima *Pluk.* Tab. 190. Fig. 4. *H. Ox.* f. 8. p. 204. 56. ?

S. B. 7. 278.

Mus. Petiver

579.

278. Caudere pille pu *Malab.*

Amourettes *Madraspatan.* spica simplici Loliacea *Mus. Petiver* 579.

This elegant Grass is not ramose, but bears its single *Panicles* (which very much in shape and magnitude resemble the *Common Love Grass*, viz. S. B. 7. 294.) in one spike alternately, and sometimes inclining to one side without footstalks.

279. Wootare pille pu *Malab.*

S. B. 7. 294.

S. B. 7. 279.

Mus. Petiver

64.

Gramen *Dactylon Madraspatan.* spicis aristatis singulis, binis, ternisve *Mus. Petiver.* 64.

This grows sometimes 2 foot high, its spikes uncertain, commonly 2 or 3, and sometimes single.

280. Cauducu pille Malab.

Milium grano acuto basi geniculato.

It grows in *Spikes*, the *Grains* pointed, and each stands as it were in a blackish ring or socket.

281. Pange pille Malab.

Amourettes *Madraspat.* panicula sparsa, locustis parvis. *S. B. 7. 280. an Pluk. Tab.*

Gramen *Amoris* Indiæ *Orientalis* panicula sparsa, glumarum petiolishuc illuc undatim reflexis *Pluk. Tab. 190 Fig. 3. H. Ox. f. 8. p. 204. 55. ?*

This comes next to *S. B. 7. 293.* where you will see how it differs.

282. Mier Coree Malab.

S. B. 7. 281

Juncus Madraspat. minimus stellatus.

This proceeds from a brown threddy *Root*, from whence grow thick tufts of *Grass*, rarely exceeding 3 inches; its heads are many, small, squamose and conical, each guarded with a *Beard* or two, the longest of which almost equals in length the *Rush* or top one.

283. Ponne pille Malab.

S. B. 7. 283.

Ægyllops Madraspat. glumis pilosis aristatis.

Gramen Secalinum Indicum spica gracili tomentosa aristis longioribus ad se invicem intortis. *Pluk. Tab. 191. Fig. 4. H. Ox. f. 8 p. 190. 9. Tab. 4. Ser. 3. Fig. ult.* These beards resemble the *Seed* of *Geranium* or *Cranes Bill*.

284. Mauddetauru pille Malab.

S. B. 7. 284.

Panicum Madraspat. spica longissima non mistata.

Milium Madraspat. spica simplici pretenuè. *Mus. Petiver 563. Mus. Petiv:*

The *Spike* of this resembles that of *common Plantain*, but is much longer, viz. some a foot or more. *563.*

285. Tundange pille Malab.

S. B. 7. 285.

Gramen Madraspat. e singulis geniculis ramosam. This may be of the *Millet* kind, but being an imperfect *Specimen*, I dare not affirm it.

286. Pea pille Malab.

S. B. 7. 286.

Panicum Madraspat. latifol. spica asperi facie latiore.

This resembles our *Rough Panick Grass*, which is sometimes found wild with us (but oftner in *Gardens*) but its *Leaves* are broader, as is its *Spike* and more loose, but less rough.

287. Souta Cora Malab.

S. B. 7. 287.

Juncus Malabar. major, super capitulum tantum geniculatus, *Nobis.* *Juncus conglomeratus Madraspatensis* acumine geniculato *Pluk. Tab. 197. Fig. 6.*

H. Ox. f. 8. p. Pluk. Tab. 197. Fig. 6. H. Ox. Sect. 8. p. 231. 9. *Juncus Indicus*
 131. 1 & 9. major stylis geniculatis H. Ox. f. 8. p. 231. 3. Tijelli Mal. Tana pocala
 H. Mal. v. 12. Bram. H. M. Vol. 12. Tab. 71. p. 135.

Tab. 71. p.
 135.

What is most remarkable in this Bull rush is, its being joynted
 above the head on'y and not below.

S. B. 7. 288.
 Mus. Petiv.
 599.

288. Coop pu Corae Malab.

Juncus Madrasp. fere tricephalos, squamis tortilibus dentatis
Mus. Petiver 599. This is a very elegant Rush, and its peculiarity
 is rarely to exceed 3 heads on one Rush, the Scales of which are
 twisted, and as it were serrated. Its commonly about a foot
 high.

S. B. 7. 289.
 Mus. Petiv.
 570.

289. Ponne varaga pille Malab.

Sesamum granulofum bicornis minus Madraspatanum. Mus. Pe-
tiver 570. an *Gramen Dactylon repens Indicum* spica gemella H.
 H. Ox. f. 8 p. Oxon. f. 8. p. 185. 10. an *Gr. Dactylon bicornis repens*, folijs latis
 185 pl. 10. brevibus Cat. Pl. Jam. p. 33. 8. an Tereta pullu Hort. Mal. v. 12.
 33. pl. 8. Tab. 44. p. 81.?

H. Mal. v. 12
 Tab. 44. p.
 81.

290. Tear Corae Malab.

Cyperus Madraspat. maximus, panicula cristata contractiore.
Mus. Petiver 591. *Cyperus Orientalis* major, paniculis turgidio-
 ribus densius stipatis H. Ox. f. 8. p. 236. 5. Each single Spike re-
 sembles that of the *Love-grass*, No 294. following. These are
 thick-set in oblong heads, which sometime spawn or divide at the
 bottom, they are commonly an inch long, and sometimes more,
 standing on footstalks of an unequal length, from $\frac{1}{2}$ an inch or scarce
 any to 5 or 6.

S. B. 7. 290.
 Mus. Petiv.
 591.

H. Ox. f. 8. p.
 236. pl. 5.

S. B. 7. 294.

S. B. 7. 291.

291. Corki pillu Malab.

Donax Madraspat. vulgaris facie. an *Arundo Indica* farcta major
 H. Ox. f. 8. p. 220. 14. ? an. Nain Canna f. *Canna sylvestris* Ma-
 lab. Piscobo Bram. H. Mal. Vol. 12. Tab. 73. p. 139.

S. B. 7. 292.
 Lugd. 421.

292. Colirarru pillu Malab.

Dactylon Arundinaceum minus. *Gramen vulgare Dalech. Lugd.*
 421. Fig. 2. whose Figure it very well resembles. *Gramen Dacty-*
lon folio Arundinaceo minus C. B. 8. pl. 3. *Theatr.* 112. Fig. 3. H. Ox.
 f. 8. p. 184. Tab. 3. Fig. 4. Ser. 2. I take Dr *Plukenets* *Gramen*
geniculatum folijs brevibus aculeos mentientibus *Madraspatanum*,
 Tab. 189. Fig. 3. to be nothing else than the creeping part of this
 Grass, having samples very like it, and this part is often sent with-
 out its spikes, as may be seen in the first Leaf of this *Collection*.
 This differs little from the *Gramen legitimum* Clus. *Hist.* l. 6. p. 217.
 Fig. and its smallness may proceed as the *Botan. Monspel.* p. 112.
 says from its growing in dryer places.

Fig. 2.
 C. B. 3. pl. 3.
 C. B. *Theatr.*

113. Fig. 3.
 H. Ox. f. 8.

p. 184. Tab. 3.
 Fig. 4. Ser. 2.

Pluk. Tab.
 189. Fig. 3.

293. Mul-

293. Mulgaudepillu Malab.

S. B. 7. 293.

Amourettes Madraspat. panicula minus sparfa, locustis perexigiliis. This seems to grow Pyramidal, and not so expanded as No 281. the glutinæ are also less and shorter.

294. Puli pillee Malab.

S. B. 7. 294.

Amourettes vulgaris.

Eragrostis f. Gramen elegantissimis paniculis CB. Phyt. p. 9. pl. 36. CB. Phyt. 9.

Gramen Amoris dictum I B. Vol. 2. l. 18. p. 470. c. 98. epayensis pl. 36.

Gr. Amourettes Clus. Hist. 1. 6. 218. Fig. 1. Clus. Hisp. 500. Fig. 1 B. V. 2. 470.

I B. prodr. 51. pl. 30.

Gr. Filicium f. polyanthos Lugd. 428. Fig. 3. Clus. Hist. 500.

Gr. paniculis elegantissimis, five majus CB. 2. 5. Theatr. Fig. 3.

25. Fig. 5. Gr. panniculofum Lob. Obs. 11. Fig. 1. Gr. Panniculatum Ger. Theatr. 25.

8. Fig. pannic. elegans Ger. em. pann. fativum Heragrostis Tab. Fig. 5. Ger. 8.

Icon. 204. Gr. pratense VI Dod. Pempt. 561. Fig. 4.

Phalaris prat. major f. Gr. Tremulum maximum Park. 1156. Park. 1156.

Fig. 1. Clus. Hisp. p. 500. Fig. H. Oxon. sect. 8. p. 204. Tab. 6. ser. 2 Fig. Fig. 1

52. H. Pl. Paris 457. 5. Ray H. Pl. 1274. 5.

This elegant Grass is frequent about Paris and Montpellier : I have also had it from Surat in the East Indies, and Virginia in the West.

295. Cavaree Codee Malab.

S. B. 7. 295.

Dactylon Malabar. maximum esculentum.

Gramen Dactylon Orientale majus Frumentaceum, femine Napi Pluk. Tab. 91. Fig. 5. H. Ox. f. 8. p. 185. 13. & Gramen Dactylon Pluk. Tab. 91.

Indicum, seminibus rotundis H. Ox. f. 8. p. 186. 20. Tsjetti pullu Fig. 5.

Malab. Nazano Brach. H. Mal. V. 12. Tab. 78. p. 149. Coracan H. Ox. f. 8.

Knox Hist. Ceyl. p. xi. The breadth and largeness of the Spikes distinguishes it from the rest of this kind. p. 185. 13. &

296. Mile Corea Malab. H. Mal. v. 12. Tab. 78. p. 149.

S. B. 7. 296

Cyperus Borneocus Limonij panicula.

This has several Panicles much expanded. each Spike is very slender and alternately set, as are its minute squamæ, which resemble (tho much less) the Limonium or Sea Lavander, before its Flowers come forth.

My worthy Friend, Mr Sylvanus Landon, first brought me this Plant from Borneo.

S. B. 7. 297.

297. Shegapu Corea Malab.

Juncus Madraspat. capitatus minor.

Its *Root* long and fibrous, *Leaves* small and narrow, *Heads* somewhat like *Trefoil*, bearded with 2 or 3 short *Leaves*, This grows about 4 inches *high*.

S. B. 7. 298.

298. Mash Corae Malab.

Mus. Petiver
592.

Cyperus Filicinus medius panicula sparsa e *Madraspatan*, *Mus.* Petiver 592.

The main difference between this and No 265. is its panicle, which is here ramose or proliferose; this is also generally a lower Grass.

S. B. 7. 299.

299. Cumboo pillee Malab.

Gramen Dactylon Madraspatanum Graminis *Manna* facie. an *Gram.* *Dactylon esculentum*, C. B. 8. 8.

That accurate Botanist *John Baubine*, I observe takes this last, and the *Gramen Dactylon folio latiore* C. B. 8. pl. 4. to be the same, and only differ in *Culture*, which I am inclined to believe, the last being *Spontaneous* about *Gardens*, the other *Cultivated* in *Germany*: *Authors* I find give 2 differing *Figures* of the *Gramen Manna* seu *Dactylon Esculentum*, viz. one with long smooth *Leaves*, and few or no joints; the other with shorter *Leaves*, more joints and hairy vagina or sheaths, the first of which I take this to be a variety, if not the same.

S. B. 7. 300.

300. Arna Corea Malab.

Pluk. Tab.

Juncus coniferus Madraspat. minor capitulis oblongis. *Gramen*

119. Fig. 3.

Cyperoides Madraspat. Juncelli Gesneri capitulis sparsis *Pluk.* Tab.

H. Ox. f. 8. p.

119. Fig. 3. *Cyperus minor Madraspat.* Juncelli Gesneri capitulis H.

238. pl. 30.

Ox. f. 8. p. 238. pl. 30. an. *Gram.* *Luzon.* 2. *Camel* M³ cum deli-
neatione.

This and No 271. are nicely different, if not the same, this seems to have longer heads, the other rounder.

S. B. 7. 301.

301. Coode pille poo Malab.

Milium Madraspat. glabrum, paniculis ac granis rariotibus. *Grows* from one to 3 *Spans high*, its *Spikes* rarely branched, the *Seed* one just above the other, and generally on one side the *Spike*.

S. B. 7. 302.

302. Cuctrenile pillu Malab.

S. B. 7. 272.

Amorettes Madraspat cristata majus, spica longiore viscosa. This differs from No 272. in being taller and its spikes much longer and larger.

303. Colletta pille Malab.

Phœnix Madraspat. spicis plurimis e singulis geniculis. *Gramen* Pluk. Tab. 191. Fig. 6.
Loliaceum majus spicis in verticillas multiplicatis Pluk Tab. 191. H. Ox. f. 8. p. 182. 5.
Fig. 6. Alm. Bot. 173. pl. 16. H. Ox. f. 8. p. 182. 5.

This is a tall reedy Grass, but stalk pithy, its ramose, and from every joynt comes several long Spikes, exactly resembling those of our Dwarf sea Darnel Grass, in Mr Rays Synops. p. 182. 3. ed. 2. Ray Syn. 182. p. 3. —ed. 2. 250. S. B. 7. 304.

304. Vauda maule code Malab.

Juncus Madraspat. capitatus major.

This is larger then No 297, otherwise very like it.

305. Velli pille Malab.

Dactylon Arundinaceum vulgatissimum majus.

Gramen Clus. Hist. 497. fig. Ang.

Gram. legitimum Clus. Hist. 1. 6. p. 217. Fig.

Gr. *Canarium* alterum *Ischemi* paniculis, maximo Gramini mari- Clus. Hist. 497. Fig. Hist. 1. 6. p. 217.
no Arundinaceo congener *Lob. Obs.* 12. Fig. 1. Gr. *Canarium Ischemi* paniculis *Park.* 1179. Fig. 5. Gr. *Dactylon* secundum folio Fig. Lob. Obs. 12. Fig. 1.
Arundinaceo C B. *Phyt.* 19. pl. 88. Gr. *Dactyl.* fol. *Arundina-* *Park.* 1179.
ceo majus (aculeatum forte *Plinij* C B. 7. 2.) C B. *Theatr.* 112. *Phyt.* 19. pl. 88. Fig. 5. C B. *Phyt.* 19. pl. 88.

Clusius has given a very good Figure of this which *Parkinson* and *Lobel* have copied, *Casp. Baubine*, pag. 7. makes this his 2d *Dactylon* & p. 8. supposes it also his 3d, which differs only in being smaller, as I have hinted before under No 292. The greater I have received from the Coasts of *Spain* and *Portugal*, and the less from the *Islands* of *Chio* and *Coos*.

Lobel in his *Observations* p. 12. takes notice, that on the Coasts of *Narbone*, its Roots are so like the common Reed, that you would say they were the same, the like I have observed of its stalks, *Casp. Baubine* might therefore more properly have termed this Grass rather *Radice* (then *folio*) *Arundinaceo*.

306. Neer chouta corae Malab.

Juncus aq. minor *Madraspat.* super capitulum geniculatus. This seems to differ from *Souta cora* No 287. in being much less, not exceeding a foot. The *Malabar* word *Neer* being added to this, denotes it to grow in watry places. See S. B. Vol. 2. pl. 91

307. Narre coock pille Malab.

Gramen Filiceum Madraspat. spica tenuiore.

This is next of kin to S. B. 5. 218. but its Leaves are Grassy and less (the others are large and rough on the Edges like a Cype-
tus)

the Spikes of this much slenderer, and with fewer and smaller divisions.

S. B. 7. 308.
Mus. Petiv.
573.

308. *Ca verae pille Malab.*

Dactylon Madraspat. Gr. Manne facie, feminibus Cilijinfar pilosis Mus. Petiver 573.

This differs from S. B. 7. 299. in having its Spikes or Fingers shorter, and rarely more than 4 or 5, whereas No 299, has them much longer (as also its Leaves) and commonly 5 at least, but what distinguishes this most particularly, is its hairy fring'd Seed, which is very remarkable, standing out like those on our Eye-lids, but much shorter.

I take this *Ma'abar* word *pille* to signify *Grass*, and that it may be a corruption of *Pully*, which in the latter end of the 12th Volume of the Hort Malab. is added to above a dozen Plants, and they all of this kind.

S. B. 7. 309.

309. *Torapo Malab.*

Bromes Madraspat. spicis praelongis, minus sparsis.

Pluk. Tab.
299. Fig. 2.

This resembles Mr *Bobarts Haver Grass* or *Festuca Avenacea strigilis spicis erectis Ray Synopf. 237. & ed. 2. p. 261. 3. Pluk. Tab. 299. Fig. 2.* but that these Spikes are much longer and slenderer.

310. *Neer pash Malab.*

S. B. 7. 310.

This may be a sort of *Potamogiton* or *Pond weed* (*Neer* signifying *Water*, as I have before hinted, viz. No 91. & No. 306.) but it being an imperfect specimen, I dare not be positive.

311. *Peele Chellende naicum Malab.*

S. B. 7. 311.

Milium Madraspat. glabrum, panicula, ramosissima grano minore.

This seems that sort, which when divested of its grain, is sent into *Europe* in *Brushes* for *Cloaths*.

S. B. 7. 312.

312. *Parpaticum Malab.*

Spergula Rosea multicaulis polyanthosae Madraspatan, S.B. 5. 220. seu Act Phil. No 276. p. 1020.

313. *Nelle monnee Malab.*

Ger. 82. c. 59.

Arundo Litbosparmos Ger. emac.

Park 430. c. 7.

Lachryma vulgo Casalp.

Chabr. 180.

Lachryma Job. Ger. 82. c. 59. Fig. Park. 430. c. 7 Fig.

Fig. 1. 2.

Lachryma Jobi I B. prodr. 50. pl. 34. Clus. Hisp. 501. Fig. id Hist

I B. v. 2. 118.

l. 6. p. 216. Fig. Dod. Pempt. 506. c. 24. Fig. id Trag. Hist. 71. Fig

p. 449. c. 46.

H. Ox. f. 8. p. 249. c. 29. Tab. 13. ser. 2.

H Mal. V. 12.

Lachryma Jobi vel Mariae Chabr. 180. Fig. 1. 2. L. f. multisive

Tab. 70. p.

Milium Arundinaceum I. B. v. 2 l. 18. p. 449. c. 46. Fig.

133.

Ray H. pl.

1252. c. 11.

Lachryma *Jodocy* alijs *Jobi* Gefn. *H. Germ.* app. 293.

Lagrima di *Giobbe* Durant 240. Fig.

Lithospermum Arundinaceum *Dalech.* Lugd. 1178. Fig. L. Arundan Diosc. & Plihiij C. B. 258. 1. Phyt. 499. 5. Lithosp. majus *Trag.* 916. c. 140. *Lith.* Plinianum, *sive* majus, Lachryma Job. f. Christi *Ad.* 16. Fig.

Milium Arundinaceum, semine Lithospermi facie maximo durissimo *Hort.* Lugd.

Catri conda *Malab.* Len Camani *Bram.* Hort *Malab.* Vol. 12. Tab. 70. p. 133. *Ray* H. Pl. 1252. c. 11. an. Coix *Theophrast.* 1. 1. c. 16.

Lagrime de Moysen *Hisp.* Larmes de notre Dame *Narbon.* Marien trachen *Germ.* Jobs teares *Angl.*

Its said to grow wild in the *Islands* of *Rhodes* and *Candy*, I [have received it several times from the *East Indies*, but with us its only nursd in *Gardens*.

314. Tenne *Malab.*

Panicum Malab. esculentum, spica aristata e plurimis capitulis dense stipata.

S. B. 7. 314.

Panicum Indicum majus, seminibus albicantibus *H. Ox.* f. 8. p. 188. 3.

H Ox. f. 8.

p 188. 3.

H. Mal. v. 12.

Tab. 79. p. 151

Tenna *Malab.* Varai *Bram.* H. Mal. V. 12. Tab. 79. p. 151.

The *Spike* of this is $\frac{1}{2}$ a foot long, composed of several smaller *Spikes* or oblong *Heads*, set so close, that the whole *Spike* hardly seems divided, especially whilst young; these are full of small *aristæ*, each *Seed* is small and whitish, and has a large *fulca* or furrow on one side as in *Wheat* and *Barley*. With this *Seed* *Mr Brown* says they feed their *Birds* and the *Hort. Malab.* also affirms they are edible.

315. Ravana Mese *Malab.*

Spartum Avenaceum pumile *Malabaricum.*

S. B. 7. 315.

H. Mal. v.

12. p. 143.

Gramen Spartium Madraspat. majus crassioribus & brevioribus folijs *H. Ox.* f. 8. p. 217. 6. Ily nullu *Hort Malab.* V. 12. p. 143. Tab. 75. where its Figure very well resembles this Specimen which grows about a Span high.

Tab. 75.

H. Ox. f. 8. p.

217. 6,

316. Tagata Corae *Malab.*

Juncus stellatus *Madraspatanus* capitulis conoidibus squamosis. *Cyperus Madraspat.* capite ex spicis plurimis in cacumine caulis glomerato *H. Ox.* f. 8. p. 238. pl. 36. *Gramen* *Cyperoides Madraspatana* num capite ex spicis plurimis acuminatis in cacumine caulis glomerato *Pluk.* Tab. 300. Fig. 7. *Alm. Bot.* 178 pl. 5.

S. B. 7. 316.

H. Ox. f. 8.

p. 238. pl. 36.

Pluk. Tab:

300. Fig. 7.

Alm. Bot.

175. pl. 5.

To these we add the following Shells, which the Reverend Dr George Lewis sent me very lately from Fort St George.

S. B. 7. 1.
List. H. C. L. 3.
Tab. 179.

1. *Pecten MADRASPATANUS inaequalis aibus, nebulis aspersis.* an *Pecten variegatus*, strijs circiter 18 majusculis donatus List. Hist. Conchyl. Lib. 3. Tab. 179. Fig. 16. This is a white *Schallop* with brown *Chestnut Clouds*, is pretty round, being as broad as long, viz. $1 \frac{1}{2}$ inch, its *Ears* $\frac{3}{4}$ broad unequal, viz. one bigger then the other, its composed of about 18 *Striae* as Dr *Listers* is.

S. B. 7. 2.
List. H. C. L. 3.
Tab. 232.

2 *Mytulus striatus MADRASPAT. angustus.*
This *Shell* is sometimes near 2 inches long, the hing of which is 1 and $\frac{1}{4}$, its oblong, but rounder at the nose end, and more pointed at the other, it seems to be that which Dr *Lister* has figured without any Name, in his 3d *Book* Tab. 232. at No 66, weighs something less then a *Dram*.

Under the denomination of *Mytulus* I rank such Shells as have a long hing with many small furrows, and are somewhat Oval. These Dr *Lister* in his *Hist. Conchyl. Lib. 3. Sect. 2. cap. 1.* Figures under the Title of *Pectunculi polyseptoginglymi margine ex altera parte productiore.*

S. B. 7. 3.

3. *Mytulus striatus MADRASPAT. latus.*
A *Shell* of 1 inch and $\frac{3}{4}$ long, $1 \frac{1}{2}$ broad from the hing, which is 1 long, its very like the last but much wider, it weighs better then a *Dram*.

S. B. 7. 4.
List. H. C. L. 3.
Tab. 310. Fig. 146.

4. *Pectunculus Madraspatan. variegatus crassus, strijs lateralibus.* an *Pectunculus ex rufo variegatus, strijs tenuibus* List. H. C. L. 3. Tab. 310. Fig. 146.

This is thick and round, its an inch and $\frac{3}{4}$ from the Hing to its opposite side, and 2 inches from end to end, its marbled with brown, the peculiarity of this *Shell*, is its *striae* in the middle from the back to each side. This weighed $\text{ʒ} \text{ss}$ & $\text{ʒ} \text{ij}$, but they differ according to their bigness.

S. B. 7. 5.
List. H. C. L. 3.
Tab. 320. Fig. 146.

5. *Pectunculus Madraspatan. crassus, vulgaris facie, maculis croceis.* an *Pectunculus maculatus majoribus strijs conspicuus* List. H. C. L. 3. Tab. 320. Fig. 146. This has the face and magnitude of our *Common small edible Cockle*, but much stronger, thicker and spotted with yellow. Some of these weigh above $\text{ʒ} \text{l}$.