

does not succeed, as it is very likely it will not, it will serve at least to expose the Vanity and Uselessness of all those Receipts and Processes of Vegetation, that are to be found printed in *Mizzaldus, Porta*, and other more modern foreign Compilers.

V. *A Catalogue of the FIFTY PLANTS from Chelsea Garden, presented to the ROYAL SOCIETY by the Company of Apothecaries, for the Year 1739. pursuant to the Direction of Sir Hans Sloane, Bart. Med. Reg. & Soc. Reg. Præf. By Isaac Rand, Apothecary, F. R. S. Hort. Chel. Præf. ac Prælec. Botan.*

851. **A** Carna major; caule folioso. C. B. 379.  
 852. **A**stragalus, perennis hirsutus, Alopecuroides; Galegæ foliis; floribus luteis.  
 853. Bauhinia non aculeata; folio subrotundo, bicorni; floribus albis. D. Houston.  
 854. Bidens Americana; flore albo radiato; foliis inferioribus trilobatis; superioribus subrotundis, acute crenatis.  
 855. Bidens latifolia, hirsutior; femine angustiore, radiato. H. Elt. P. 51.  
 856. Bidens scabra; flore niveo; folio Panduræformi. Ibid. P. 54.  
 857. Bignonia Americana; Fraxini folio; flore amplo phœniceo. T. 164.

858.

858. *Bignonia Americana*; *Fraxini folio*, minor; flore coccineo.
859. *Calendula*, minor, *arvensis*. H. L. Bat.
860. *Camara*, *Americana*; *Urticæ foliis*, latioribus, spinosa; floribus miniatis.
861. *Camara*, *Americana*; *Urticæ folio*; floribus miniatis.
862. *Camara*, *Americana*; *Urticæ foliis minoribus*; flore vario.
863. *Camara Americana*; foliis parvis subrotundis; floribus, foliolis interceptis.
864. *Camara Americana*; *salviæ foliis*, mucronatis; floribus luteis.
865. *Caprifolium Germanicum*. Dod. 411.
866. *Chenopodio-morus media*; foliis argute dentatis.
867. *Chenopodium*; *Botryos folio*, subtus candicante.  
*Atriplex sylvestris*. II. Tab. Icon. 407.
868. *Chenopodium*; folio laciniato majus.  
*Pes Anserinus*. Fuschii.
869. *Chenopodium*; folio sinuato, candicante. T. 506.  
*Atriplex sylvestris*. Tab. Icon. 406.
870. *Chondrilla*; *Sonchi folio*; flore luteo-pallescente. T. 475.
871. *Cirsium*, *arvense repens*; folio vix sinuato, in aculeum abeunte.
872. *Cruciata nova*, *Romana*, minima, muralis. Col. Ecp. 295.
873. *Cynoglossum*, *Virginianum*; flore minimo, albo. Banisteri. Pluk. Alm. 126.
874. *Eryngium maritimum*. C. B. 386.

875. *Eryngium vulgare*. Ibid.  
*Eryngium campestre*. Dod. 730.
876. *Jacobæa*; foliis ferulaceis.
877. *Lappa*; five *Bardana major*; flore albo. H.  
 Ox. III. 147.
878. *Lappa major*, ex omni parte minor; capitulis  
 parvis eleganter reticulatis. Pluck. Alm.
879. Lilac; *Ligustri folio*. T. 62.
880. *Lysimachia annua*, minima; *Polygoni folio*.  
 T. 142.
881. *Mentha*, angustifolia, spicata. C. B. 227.
882. *Mentha*, angustifolia altera, rugosior; spica hir-  
 suta.
883. *Mentha*, verticillata; longiori acuminato folio;  
 odore aromatico.
884. *Oldenlandia*, humilis, *Hyssopifolia*. Plum.  
 N. G. 42.
885. *Oxys*, lutea, Americana, procumbens.
886. *Pervinca vulgaris*, angustifolia. T. 120.
887. *Petasites major*, & vulgaris. C. B. 197.
888. *Petasites major*; floribus albis; spica bipedali.  
 D. Bobart.  
*Petasites major*; floribus pediculis longis  
 insidentibus. R. Syn. III. 179.
889. *Petasites minor*; folio *Tussilaginis*. Mor. H.  
 Reg: Blef.
890. *Phlomis*; acuminato, viridi, splendente folio;  
 flore purpurascente; caulibus villosis.
891. *Phlomis*, Hispanica, fruticosa, candidissima;  
 flore ferrugineo. T. 178.
892. *Phlomis Narbonensis*; *Hormini folio*; flore  
 purpurascente. Ibid.

893. *Phytolacca*; fructu monopyreno, majore; folio longiore, glabro.
894. *Pilofella*, major, umbellifera, macrocaulos. *Floribus est flosculosis*. Col. Euph. 248.
895. *Rosa*; *Pimpinellæ* folio, Scotica; flore eleganter variegato.  
*Rosa Ciphiana*. Sibald. Scot. Illust.
896. *Rosa sylvestris*, *Virginienfis*.
897. *Senecio Americanus*; folio hastato, nitide serrato.
898. *Sium umbellatum*, repens. Ger. Emac. 256.
899. *Solanum*, fruticosum, Africanum; Lauri foliis.
900. *Vulneraria crecta* annua; folio subrotundo leviter crenato.  
*Loto affinis, Coryli folio*. Dod. Mem.

VI. *A Physico-mathematical Demonstration of the Impossibility and Insufficiency of Vortices: By M. de Sigorgne. Translated from the French by T. S. M. D. F. R. S.*

THAT natural Philosophers of an inferior Class, who consider only the Outside of Things, are obstinate in the Defence of *Vortices*, is, in my Opinion, not to be wondered at: The Idea of them strikes the Mind very agreeably at first, and even seems to promise the true Mechanism. But that Persons versed in the most profound Geometry, and in the most sublime Calculations, able Academicians, who incessantly apply themselves to the Study of  
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