

to drive 3 Mills not far from its source. The Inhabitants call it the *Bolderborn*, as if you should say, the *Boysterous Spring*.

The same Person, having mentioned the many *Salt-Springs* in *Germany*, as those at *Lunenbourg*, at *Hall* in *Saxony*, at *Saltzwedel* in *Brandenburger Mark*, in *Tyrol*, &c. observes, that no *Salt-water*, which contains any *Metal* with it, can well be sodden to *Salt* in a *Vessel* of the same *Metal*, which it self contains, except *Vitriol* in *Copper Vessels*.

He adds, that, to separate *Salt* from *Salt-water*, without *Fire*, if you take a *Vessel* of *Wax*, hollow within, and every where tight; and plunge it into the *Sea*, or into other *Salt-water*, there will be made such a separation, that the vessel shall be full of sweet water, the *Salt* staying behind: but, though this water have no saltish taste, yet, he saith, there will be found a *Salt* in the *Essay*, which is the *Spirit* of *Salt*, subtil enough with the water to penetrate the *Wax*.

An Account of the Rise and Attempts, of a Way to convey Liquors immediately into the Mass of Blood.

Whereas there have lately appeared in publick some *Books*, printed beyond the *Seas*, treating of the *Way of Injeſting liquors into Veines*; in which *Books* the *Original* of that *Invention* seems to be adscribed to others, besides him, to whom it really belongs; It will surely not be thought amiss, if something be said, whereby the true *Inventor's* right may beyond exception be asserted & preserved; To which end, there will need no more, than barely to represent the *Time* when, and the *Place* where, & among whom it was first started and put to trial. To joyn all these circumstances together, 'Tis notorious, that at least six years since (a good while before it was heard off, that any one did pretend to have so much as thought of it) the *Learned* and *Ingenious* *Dr. Christopher Wren* did prooſe in the *Univerſity* of *Oxford* (where he now is the *Worthy Savilian Professor* of *Astronomy*, and where very many *Curious Persons* are ready to at-
test

test this relation) to that Noble Benefactor to Experimental Philofophy, Mr. *Robert Boyle*, Dr. *Wilkins*, and other deferving Persons, That he thought, he could eafily contrive a Way to conveigh any liquid thing immediately into the Mafs of Blood; *widel*: By making Ligatures on the Veines, and then opening them on the fide of the Ligature towards the Heart, and by putting into them flender Syringes or Quills, faftened to Bladders (in the manner of Clyfter-pipes) containing the matter to be injected; performing that Operation upon pretty big and lean doggs, that the Veffels might be large enough and eafily accessible.

This Propofition being made, *M. Boyle* foon gave order for an *Apparatus*, to put it to Experiment; wherein at feveral times, upon feveral Doggs, *Opium* & the Infufion of *Crocus Metallorum* were injected into that part of the hind-legs of thofe Animals, whence the larger Veffels, that carry the Blood, are moft eafy to be taken hold of: whereof the fuccefs was, that the *Opium*, being foon circulated into the Brain, did within a fhort time ftupify, though not kill the Dog; but a large Dofe of the *Crocus Metallorum*, made an other Dog vomit up Life and all: All which is more amply and circumftantially delivered by Mr. *Boyle* in his Excellent Book of the *Ufefulness of Experimental Philofophy*, Part. 2. Effay 2. pag. 53. 54. 55. Where'tis alfo mention'd, that the fame of this Invention and of the fucceeding Tryals being fpread, and particularly coming to the knowledge of a foreign *Ambaffadour*, that was Curious, and then refided in *London*, it was by him tryed with fome *Crocus Metallorum*, upon a Malefactor, that was an inferiour Servant of his; with this fuccefs, that the Fellow, as foon as ever the Injection began to be made, did, either really or craftily, fall into a fwoon; whereby, being unwilling to profecute fo hazardous an Experiment, they defifted, without fecing any other effect of it, fave that it was told the *Ambaffadour*, that it wrought once downwards with him. Since which time, it hath been frequently practifed both in *Oxford* & *London*; as well before the *Royal Society*, as elfewhere. And particularly that Learned

Physitian, Dr. *Timothy Clerk*, hath made it part of his business, to pursue those Experiments with much industry, great accurateness, and considerable observations thereon; which above two years since, were by him produced and read before the *Royal Society*, who thereupon desired him, as one of their Members, to compleat, what he had proposed to himself upon that subject, and then to publish the same: the Effect whereof 'tis hoped, will now shortly appear, and not prove unwelcome to the Curious.

Some whereof, though they may conceive, that liquors thus injected into Veines without preparation and digestion, will make odde, commotions in the Blood, disturb Nature, and cause strange Symptoms in the Body, yet they have other thoughts of Liquors, that are prepared of such things, as have passed the Digestion of the Stomach; for example, of Spirit of Urine, of Harts-horne, of Blood &c. And they hope likewise, that besides the *Medical Uses*, that may be made of this *Invention*, it may also serve for *Anatomical purposes*, by filling, after this way, the vessels of an Animal as full, as they can hold, and by exceedingly distending them, discover *New Vessels*, &c: But not now to enlarge upon the *Uses*, the Reader may securely take this Narrative, as the naked real Matter of Fact; whereby 'tis as clear, as Noon-day (both from the Time, and irrefragable Testimony of very many considerable Persons in that University, who can jointly attest it; as well as from that particular unquestionable one of Mr. *Boyle* and his worthy Company, who were the first Eye-witnesses of the Tryals made, that to *Oxford*, and in it, to Dr. *Christopher Wren*, this *Invention* is due; and consequently, that all others, who discourse or write of it, doe either derive it from Him, or are fallen upon the same *Devise* several years after Him.

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