

membrane is supposed to confine them: and the more active principles are from their own nature always struggling to be quit of them. And this way, the parts of an Animal would be sooner broken into pieces, than a new one generated. But they believe it may be allowed, that the *least* and most *inconsiderable Animals* and *Plants* are this way Formed. But their *Minuteness* make the *Difficulty Greater*. A *Membrane* to include the *Conception* with its first nourishment seems more necessary here, where the parts are more delicately put together, and from their exceeding fineness it might more easily miscarry. If after this method some *Animals* and *Plants* can be produc't, why is the same *species* and these very *Individuals* they suppose so made, furnish with *Organs* for *Univocal Generation*? If *Slime* and *Mud* can afford *Frogs* and *Fels*, why does the First *Spawn* so many *Egs*, and are the other *Viviparous*? Why does not so great a diversity of putrid parts in the Earth, differently affected by unaccountable accidents, often present us with new living *Creatures*, and *Vegetables* of *peculiar specie's*? But no such new *Plants* are taken notice of, and the *Mites* are of the same sort from *Cheese* and from *Meal*. The objection which is offer'd against *Epicurus*, will be made with the same force against this Opinion. If the Earth at first equivocally produc't Men, *Quadrupeds*, *Birds*, and *Fish*, why has it not done it very frequently or at least sometimes since? We begin to suspect the Cheat, when the *Artist* is not able to perform the same again.

The Anatomy of a Monstrous PIG Communicated to the R. S. By an Ingenious Student in Physick.

ABOUT the beginning of *Decem. 1682.* among many Pigs of a Sow, there was one which had no passage for the *Fæces* either Solid or Liquid, altho the *Anus* was not outwardly clos'd up; which whether natural, or caused by the Neighbours who had attempted a Cure before I saw it, I cannot

cannot positively assert. There was likewise no visible sign of either Sex. Being dissected it afforded these following observations.

First the Guts were very much distended and transparent, and through them appeared the *Fæces* very liquid accompanied with no small quantity of Wind; the end of the *Rectum* was entirely closed like a bladder, and sealed as it were Hermetically, pendulous in the cavity, and not in the least continued to a Sphincter, of which there was no sign.

Secondly, there was no Bladder to be found, nor *Uterus*, or any mark of what Sex it was designed for.

Thirdly, to supply the place of a Bladder, both the *Ureters* were inserted into the *Rectum* within an Inch or thereabouts of the end.

Fourthly, the Stomack was full, even to distension, of an hard Substance, which being opened was exactly the same to appearance with hard press'd Curds.

Fifthly, the *Chyle* came freely enough out of the *Ductus Pecquelianus*, where it was inserted to the *Jugular*, upon the smallest pressure of the *Intestines*.

Sixthly, I could not urge the liquid or Flatulent Contents of the Guts upwards within two Inches of the *Pilorus*, tho I pressed them till they brake, which hindred the inquiry after a *Valve* that possibly might be there to hinder the regress of any thing to the Stomack.

FLETA MINOR, or the Laws of Art and Nature in knowing, judging, assaying, fining, refining, and enlarging the body of confined Metals &c. By S^r. John Pettus Knight, &c.

THis useful Treatise contains in general the whole *Art* of *proving* and *melting* all sorts of *Oars* and *Metals*, and is divided by the Author into *five* Books.

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