



A N
INTRODUCTION
TO A
General SYSTEM
OF
HYDROSTATICKS and HYDRAULICKS.

BOOK III.

CHAP. XX.

Of *Hydraulicks, its Etymology, &c.*



THE Etymology or Derivation of *Hydraulicks*, (tho' it is a Word rarely found in any of the Lexicons) is undoubtedly from $\Upsilon\Delta\Omega\text{P}$, or rather $\upsilon\delta\epsilon\acute{o}\varsigma$ *agua*, Water, or of, or belonging thereto; and $\acute{\alpha}\upsilon\lambda\acute{o}\varsigma$ *Tibicen*, or *Tibia*, a Pipe: Since *Vitruvius, Lib. 10. chap. 12.* tells us, that the Ancients heretofore play'd all their Organs and other Instruments of Musick of that kind (which we now play with Wind) by Water.

“ THE Organs, (says he) were play'd by the Help of two Suckets, which were pull'd up or let down in the Body of the Pump, which Suckets press'd the Air with Violence into a Funnel revers'd in a Copper Coffer, half full of Water, and press'd the Water, and constrain'd it so as to ascend round about within the Coffer, which operated so, that its Weight in making it re-enter into the Funnel, push'd the Air into the Pipes, and made them play; producing the same Effects which the Bellows did.

THE learned *Harris*, in his *Lexicon Technicum*, says, that *Ozanim* is mistaken when he mixes and confounds *Hydrostaticks* and *Hydraulicks* one with another, since by the first is explain'd the natural
Equilibrium