An Obſervation

Of Saturne, *made at* Paris, *the* 17th *of* Auguſt, 1668. *at hor.* 11½, *at night, by* M. Hugens, *and* M. Picart; *as 'tis deſcrib'd in the* Journal des Scavans *of Febr.* 11. 1669.

THe Obſervers, imploying a Teleſcope of 21 Foot, ſaw the Planet *Saturn*, as 'tis repreſented by *Fig.* II. the Globe in the midle manifeſtly appearing both above and below beyond the Ovale of his Anſes; which was hardly diſcernable the laſt year.

They meaſur'd divers ways the Inclination of the *Great Diameter* of the Ovale to the *Equator*, which (Inclination) was found of about *Nine* degrees, although at that time it ſhould not be but of *Four* degrees, according to what M. *Hugens* hath affirm'd in his Syſteme of *Saturn*, *viz.* that the Plan of the Ring, which environs the Globe of this Planet, is inclin'd to the Plan of the *Ecliptique* but 23 *deg.* 30. *m.* But this laſt Obſervation and other like ones of this and the precedent Year being more exact, and made at a time more proper for meaſuring that obliquity, than were thoſe, which had formerly ſerved for a foundation to determine it; M. *Hugens* finds, that, inſtead of 23. *deg.* 30. *m.* the Angle of the Plans of the Ring and of the Ecliptique muſt be of 31. *deg.* or thereabout; and that being ſo, that not onely the Shape, which *Saturn* hath at preſent, but alſo all thoſe, that have been noted ſince the true ones were obſerved, do perfectly agree with the *Hypotheſis* of the Ring; and particularly that of 1664. in the beginning of *July* *, which was made, and made publick by *Signior Campani*, wherein the Great Diameter is double to the Leſſer.

* See *Fig.* 3. as 'tis to be found in the *French* Letters, written by M. *Auzout* to M. L'*Abbé Charles*, and printed at *Paris*, A. 1665. upon the occaſion of the *Ragguaglio di due Nuove Oſſervationi da Giuſeppe Campani.*

As to the round *Phaſis* of *Saturn*, that Change of the Inclination, which was juſt now ſpoken of, cannot alter the time of it but very little or nothing; ſo that M. *Hugens* ſtill exſpects this Apparance in 1671. when in the Summer of that Year *Saturn* will begin to looſe his *Anſes*, there being then to remain onely the Globe in the Midle; and will not recover them but about a year

year after, according to what he hath ſaid in his Book of the *Syſteme* of *Saturn.*

An Extract

Of M. Dela Quintiny's *Letter, written to the* Publiſher *in* French *ſometime agoe, concerning his way of Ordering* Melons; *now communicated in* Engliſh *for the ſatisfaction of ſeveral curious Meloniſts in* England.

I ſhall now anſwer to that particular of your Letter, which concerns *Melons*, as exactly as I can. All the *Seeds*, I ſent you, produce *Melons* with a thin and ſomewhat embroider'd skin, not divided by Ribbs: Some of them have their skin whitiſh, others of the Colour of *Slate*. The Melons themſelves are not very great, their fleſh very red, dry, melting upon the tongue; not mealy, and of a high taſte. And theſe are the two onely kinds, which, after I have tried above an hundred different ſorts, I make uſe of, and ſend you, not having obſerv'd any change in them, after the uſe of 20 years.

As to the *manner* of *cutting* them, you know, that the firſt thing appearing of them, are two Leaves united, here called *Ears* (mark't in *Figure* IV. by 1.1.) Out of the midſt of theſe two Ears there ſhoots, ſome days after, firſt one Leaf, which we call the *firſt* Leaf or *Knot* (mark't 2.) and out of the ſame place, after ſome days more, ſhoots a *ſecond*, call'd the *ſecond knot* (mark't 3.) Out of about the midſt of the Stalk of this ſecond knot ſhoots the *third knot* (mark't 4.) And this *third* knot it is, which muſt be cut at the place markt *6.* without hurting the branch of the ſecond knot, whence this third came; becauſe that from that place will ſpring a branch, which we call the *firſt Arm*, and this Arm will ſhoot forth firſt one knot, then a ſecond, then a third; and this third it is, you are to cut again in the ſame manner, as was ſaid before. And you muſt be careful to cut theſe *third* knots, without ſtaying for the ſhooting of the *fourth* or *fifth* ones. You'l ſee out of every knot come forth Arms or Branches like to the *firſt*, ſpoken of before; and it is at thoſe Arms, that the Melon will be produced. And they will be good, if the foot or root be well nouriſh't in good earth, and cheriſh't by a good hot-bed and

Fig. I

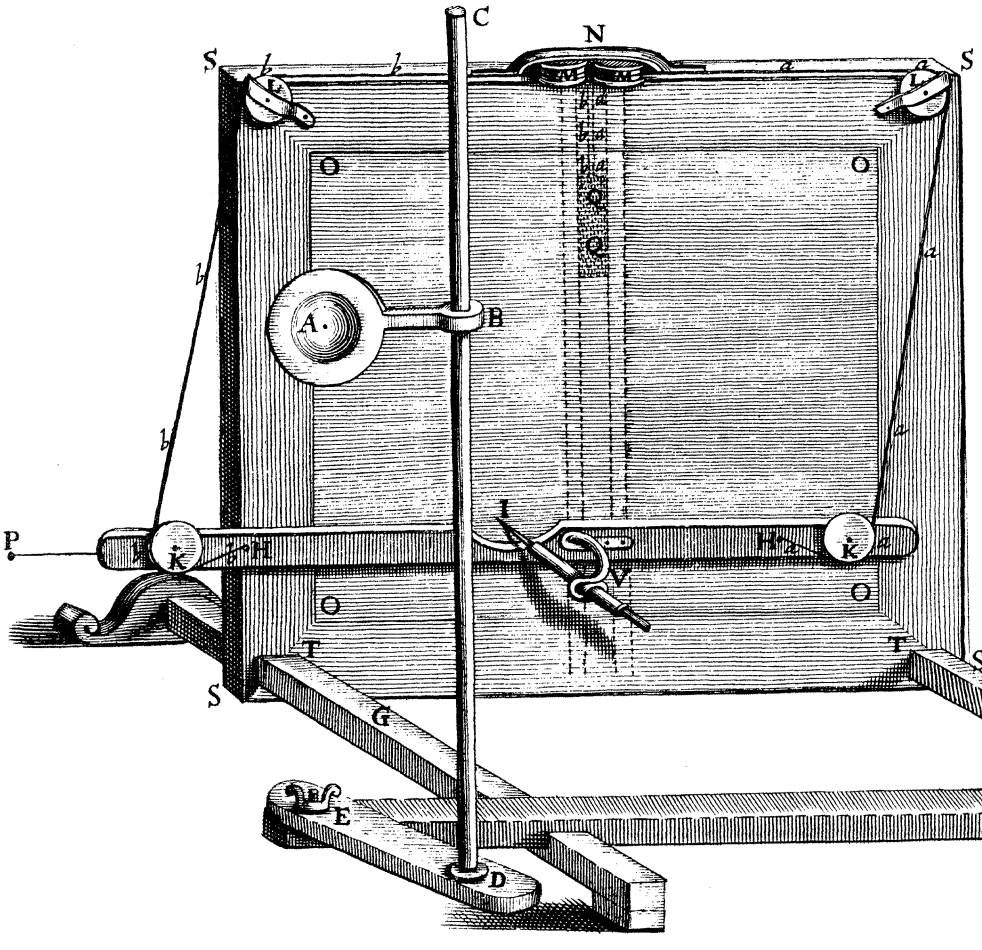

Fig. II.

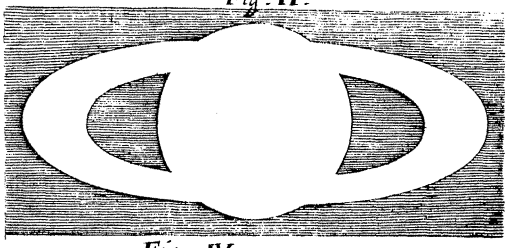

Fig. IV.

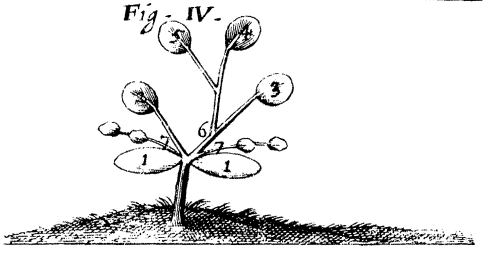

Fig. III.