Some Communications, confirming the present Appearance of the Ring about Saturn, *by M.* Hugens de Zulechem *and Mr.* Hook.

THe *former* writeth in a Letter of his, dated at the *Hague* Octob. 31. 1670. ſt. n. That he obſerv'd *Saturn* with his Teleſcope of 22 feet, a little before he came out of *France*, which was the laſt Summer of this 1670. and ſaw his Figure to be very conform to what it ſhould be according to his *Hypotheſis*; *viz.* the *Anſæ* or Arms to be very narrow, inſomuch that their opening appear'd not but very obſcurely.

The *Latter* hath obſerved the ſame in *London*, Septemb. 16. ſt. v. as is repreſented in *Tab.* 1. *Fig.* 3.

An Extract out of a lately Printed Epiſtolary Addreſs, made to the G. Duke of Toſcany *touching ſome Anatomical Engagements, of* Laur. Bellini, *Ord. Anat. Prof. at Piſa.*

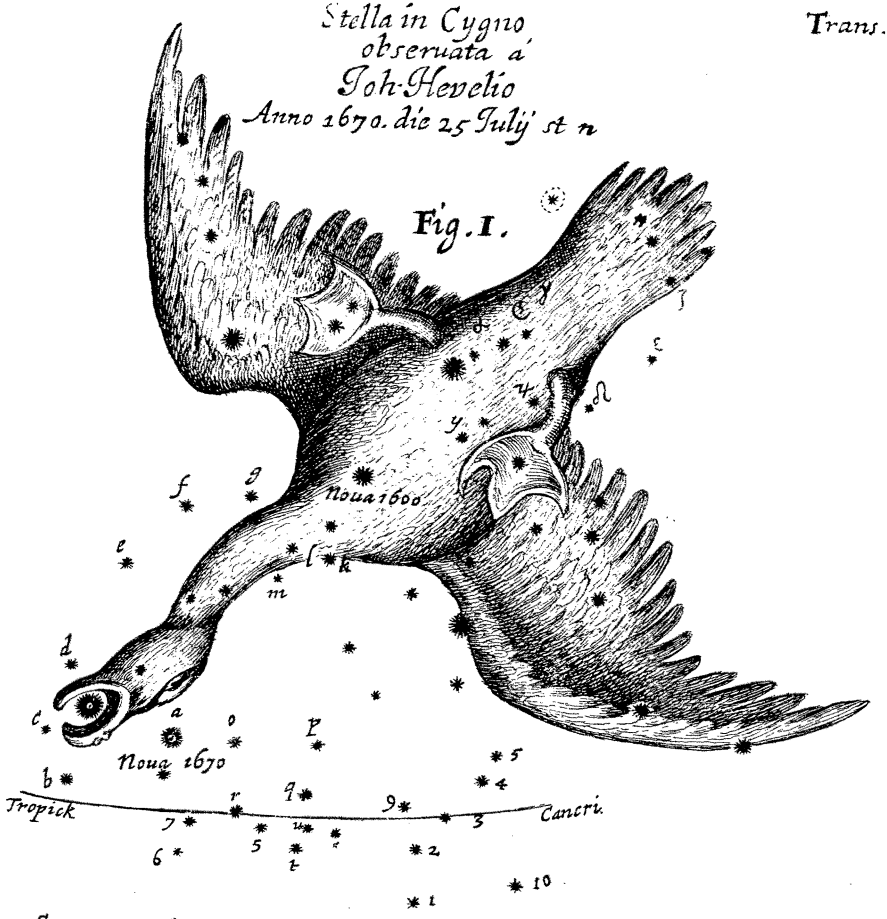
I Promiſe (ſaith that learned Anatomiſt) to give the whole Doctrine of *Reſpiration*, and to comprehend it in that order, that if I am not deceived in my own affair, the matter of the principal part of the Breaſt, and the whole Fabrick of the *Lungs* ſhall be made certain and evident, foraſmuch as all things do ſo aptly anſwer to one another, and are grounded upon Geometrical Principles. The ſum of it is this in the Authors own words.

Fuit in Aſperam Arteriam aer, momento compoſito ex gravitati & vi laterali, eaque Aeri, extrinſecus ſuperficiem pectoris circumprimenti, æquiponderat. Hinc muſculis Inſpiratoriis ſeſe contrahendi poteſtas permittitur; unde Coſtarum elevatio ac dilatatio, & aucta Pectoris amplitudo: Tum penitior Aeris irruptio, & expanſio ductuum pulmonarium; quod totum in Inſpiratione *contingit.*

Mox proprio pondere concidentibus ſupra tumidum Pulmonem coſtis, ſpatium Pectoris fit Anguſtius, & ipſarum ac diaphragmatis vi Pulmo comprimitur; Aerque partim per os extru-

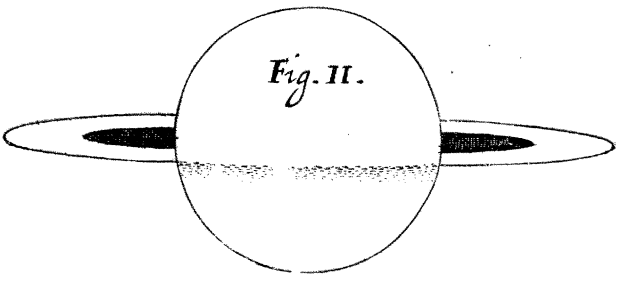
Stella in Cygno
obseruata á
Joh. Hevelio
Anno 1670. die 25 Julij st n

Fig. I.



Saturnus Obseruatus
GEDANI
Anno 1670. die 26 August.
Joh. Hevelio.

Fig. II.



Sat. obs. Lond.
á R. Hook.
Septembr 26/16 1670.

Fig III