

S E C T. XVIII.

Fig. 8. The two Defences of the Tail, of which the exterior Part *A.* is gibbous, the other or interior *B.* is, as it were, hollowed; These Extremities are bifid. *C.* By this Part they are joined to the Tail.

VI. *Two Observations of Explosions in the Air; one heard at Halsted in Essex, by the Rev. Mr. A. Vievar, Minister of that Place; the other by Sam. Shephard, Esq; of Springfield in the same County.*

ON *Sunday* the 12th of *March* 1731-2. between One and Two o'Clock in the Afternoon, walking in my Garden by the Side of a Canal, I heard as it had been a large Clap of Thunder from the North-East, being a very clear Day, and no Clouds appearing. While I was looking into the Air, the Noise was repeated very loud, but seemed more like the violent Fall of a House, insomuch that I expected every Moment an Out-cry from the Town: But I was soon undeceived, when it began again, and I found it made towards me, with a different Noise from what I had heard, that is, like the Grinding of Flint-stones, but very loud: The Dimensions of it seem'd to be about three Foot wide. I found it sink in the Air, and as it seem'd to point directly at my Head, I laid myself down upon a Grass-slope, to let it pass over me. However, at the upper End
of

of the Walk I found it fell to the Ground, and came rolling down the Grass-walk ; and I can compare it to nothing better than to that of a violent Grinding of Flint-stones, or a Coach and Six upon the full Speed upon a Cauſway of looſe Stones. I lay attentive, expecting to ſee ſomething, and ſaw a Piece of Wood came running before it. When the *Phænomenon* came to the Water-side, it twiſted up a large Stake that ſtood in its way, and toſſed it towards me with much Violence, and immediately fell into the Water with the Violence and the Noiſe of a red-hot Mill-ſtone. I have ſeen the Seas break againſt a Rock in a Storm, but never ſaw a greater Ferment cauſed by the boiling of the Waters. It ſtaid about a Quarter of a Minute in the Water, and then mounted again into the Air, and went rattling away, but with much leſs Violence: I heard it for about a Quarter of a Mile, and loſt it.—*N. B.* It came againſt the Wind, and not faſter than a Man may walk. The Froth and Foam upon the Water remained thirty Hours after, when I ſhewed it to ſome Friends.

Halſted *in Effex*,
1731-2.

A. Vievar.

Part of a Letter to W^m. Woodford, M. D.
Fellow of the College of Phyſicians, London.

—**U**PON *Tuesday* the 15th Inſtant, between Eleven and Twelve, the Sun ſhining very bright and hot, without the leaſt Cloud, the Wind ſo calm, that the Water was as ſmooth as Glaſs, I
was

was dressing in my little Room next the Garden, about forty Yards from the Canal, when I heard a very surprising Noise of Fire, resembling, as I told you at *London*, as if a very large Quantity of Oil had been thrown into a great Bonfire, burning in its greatest Rage. I stepp'd immediately to the Window which was open, where I saw the Middle of the Canal, which this dry Season has sunk about six Inches, in extreme Agitation, as rough as the *Thames* in a Storm, foaming and smoaking, and forced up, to my Appearance, full two Foot above the Surface, but it might be much more, my Window being greatly higher than the Canal; and the Fellow who was at Work, whom I examined again this Morning, protests he saw the Water, like the Spray of the Sea, above the Dwarf-Trees, which must necessarily be five or six Foot. I wish I had seen the Beginning of this uncommon *Phænomenon*, the Duration of which, I think, might be half a Minute, and made the House stink, as if a Gun had been fired in it.

My Canal bears East and West, and the Fellow says he heard it coming from the West, bringing the Leaves of some tall Trees from an adjacent Field in its Passage; but could not discover any material or substantial Body to fall in the Water, where the Hissing, as I observed above, was very loud and violent; neither was there any Lightning or Thunder before or after, but the Day remain'd bright, still, and hot. I forgot to say, the Space of the Canal that was affected by it, might be twelve or fifteen Yards.

Springfield in Essex,
Aug. 22. 1732.

Sam. Shepheard.