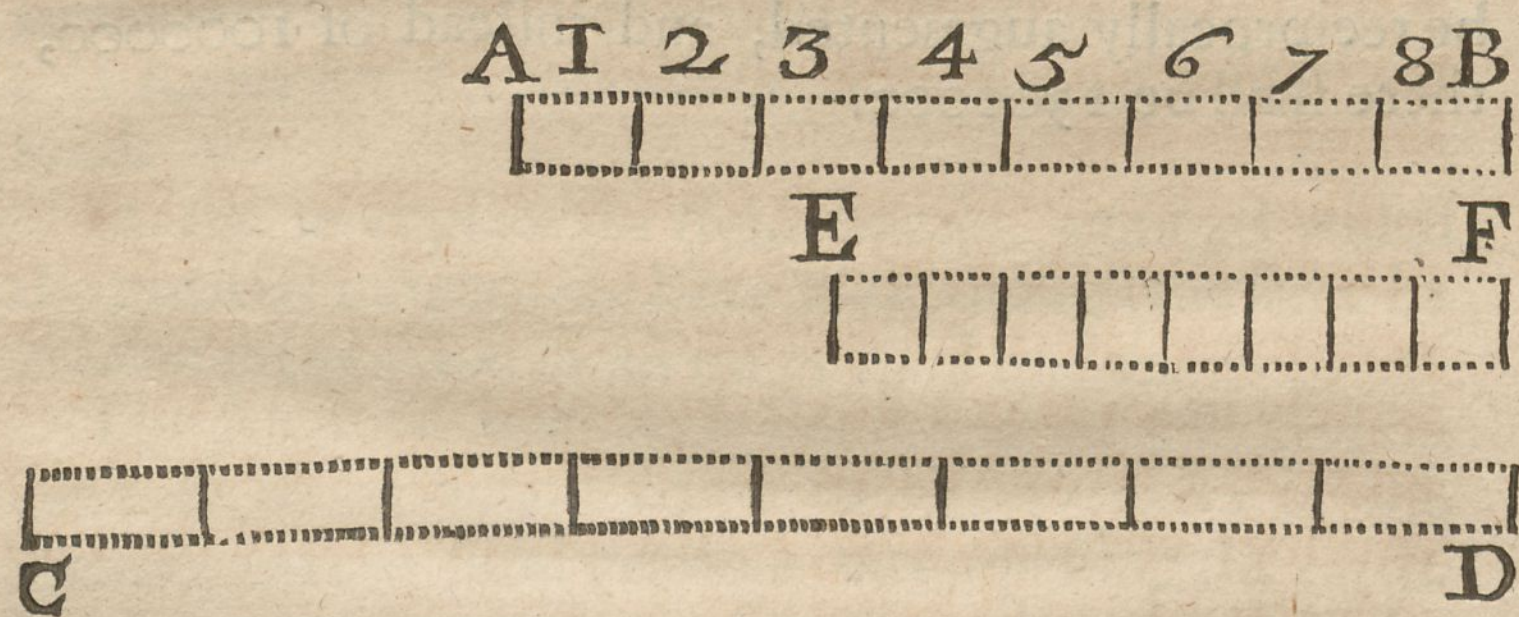


in its natural estate and balance in the Universe. Which particles being all of the same nature, that is, of equal bodies, and equal motions, they readily coalesce and joyn together, and make up one solid body, not perfectly every where contiguous, and wholly excluding the above mentioned ambient fluid, but permitting it in many places to pervade the same in a regular order, yet not so much but that they do wholly exclude the same from passing between all the sides of the compounding particles.

The parts of all springy bodies would recede and fly from each other were they not kept together by the Heterogeneous compressing motions of the ambient whether fluid or solid.

These principles thus hinted, I shall in the next place come to the particular explication of the manner how they serve to explain the Phænomena of springing bodies whether solid or fluid.

First for solid bodies, as Steel, Glass, Wood, &c. which have a Spring both inwards and outwards, according as they are either compressed or dilated beyond their natural state.



Let A B represent a line of such a body compounded of eight Vibrating particles, as 1, 2, 3, 4, 5, 6, 7, 8, and suppose each of those Particles to perform a million of single Vibrations, and consequently of occurrences with each other in a second minute of time,

C 3

their

