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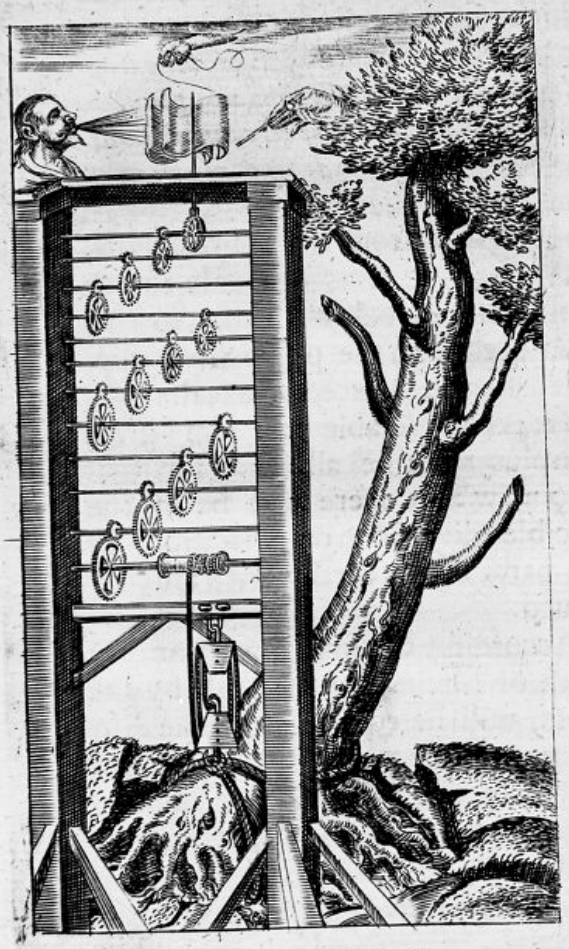

The whole force of this engine doth conſiſt in two double Pulleys, twelve wheels, and a ſail. One of theſe Pulleys at the bottome will diminiſh half of the weight, ſo that it ſhall be but as 2000000000, and the other Pulley will abate ¾ three quarters of it: ſo that it ſhall be but as 1000000000. And becauſe the beginning of the ſtring being faſtned unto the lower Pulley, makes the power to be in a ſubquintuple proportion unto the weight, therefore a power that ſhall be as 1000000000, that is, a ſubquadruple, will be ſo much ſtronger then the weight, and conſequently able to move it. Now ſuppoſe the breadth of all the axes and nuts, to be unto the Diameters of the wheel as ten to one; and it will then be evident, that to a power at the firſt wheel, the weight is but as 100000000. To the ſecond as 10000000. To the third as 1000000. To the fourth as 100000. To the fifth as 10000. To the ſixth as 1000. To the ſeventh as 100. To the eighth

See cha. 7.