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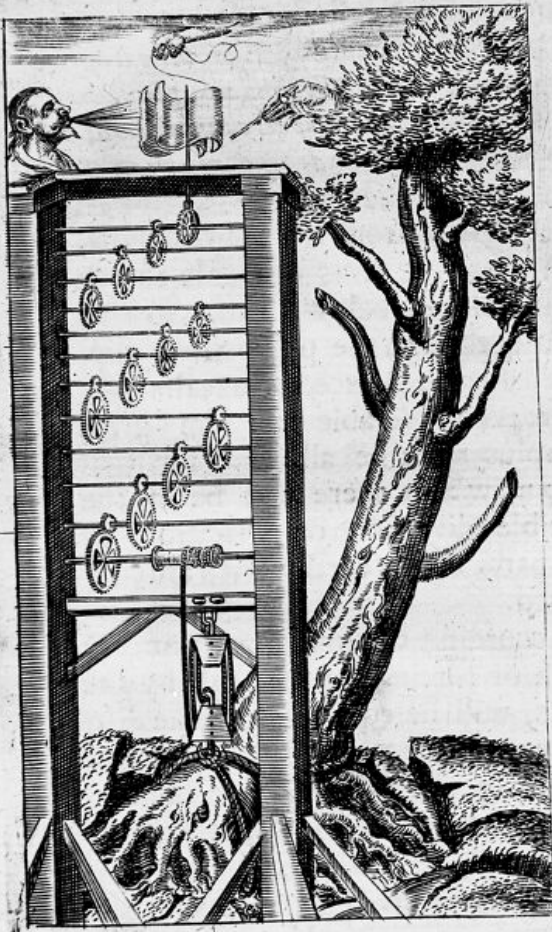
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The whole force of this engine doth consist in two double Pulleys, twelve wheels, and a sail. One of these Pulleys at the bottome will diminish half of the weight, so that it shall be but as 200000000, and the other Pulley will abate  $\frac{3}{4}$  three quarters of it: so that it shall be but as 100000000. 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 100000000, 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.