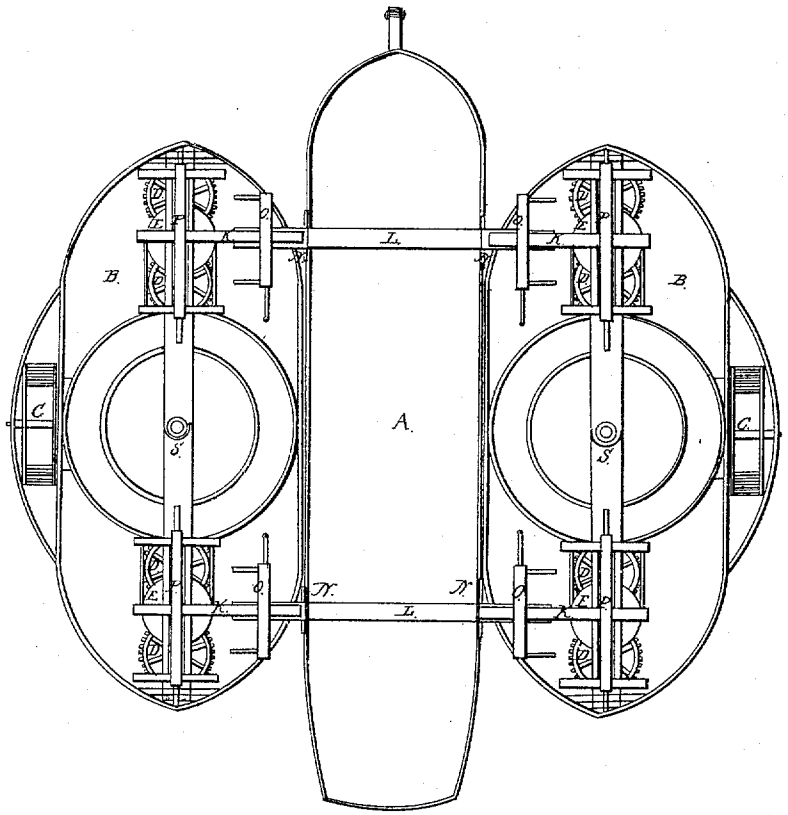
3 Sheets—Sheet 1.

9804X

T. COOK.

MACHINE FOR RAISING VESSELS.

Patented June 30, 1836.



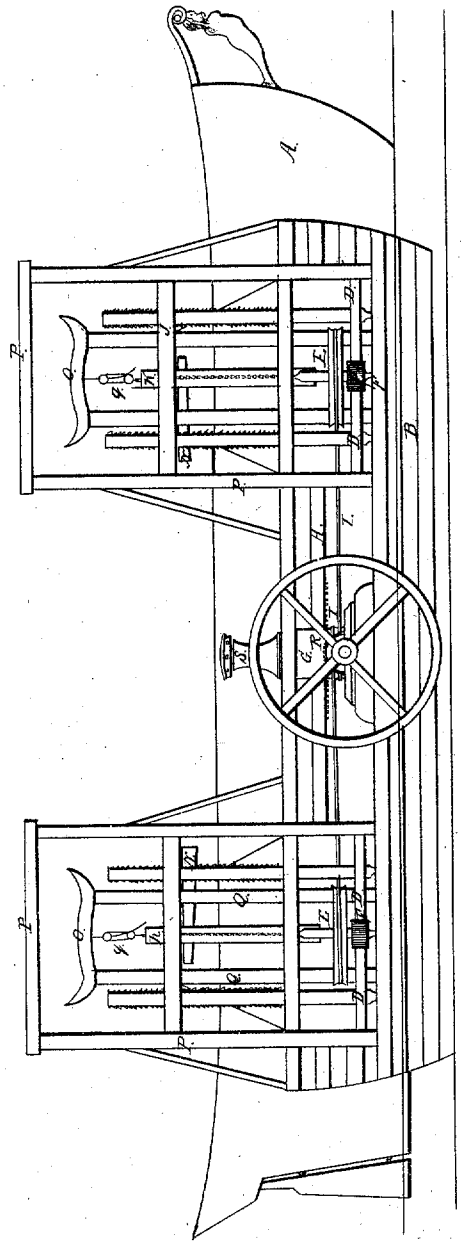
9804X

3 Sheets—Sheet 2.

T. COOK.

MACHINE FOR RAISING VESSELS.

Patented June 30, 1836.



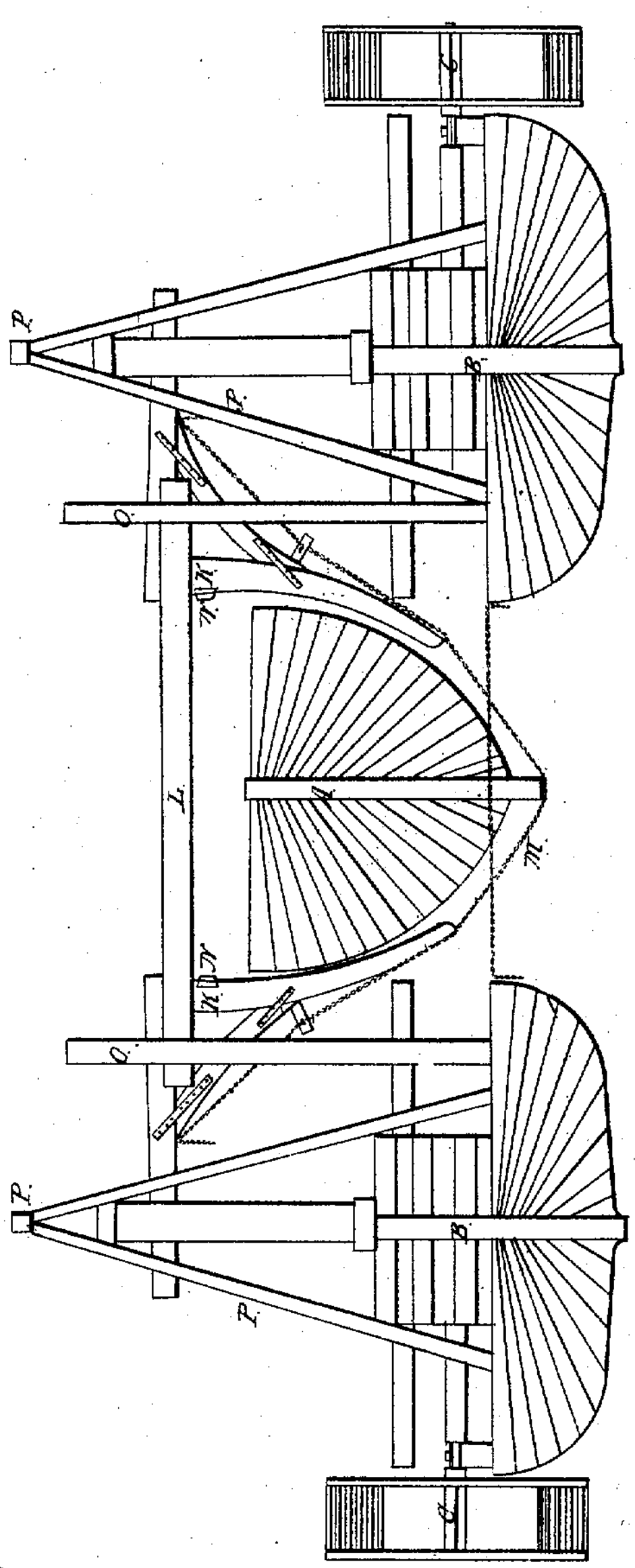
3 Sheets—Sheet 3.

9804X

T. COOK.

MACHINE FOR RAISING VESSELS.

Patented June 30, 1836.



June 30 1836 501.

9804X

Tobias Cook of Scituate Massachusetts

Letters Patent.

The schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said Tobias Cook, himself of his improvement in the machinery or apparatus for raising vessels when in the water, without unloading.

To all Persons to whom these presents shall come

Be it Tobias Cook of Scituate in the county of Plymouth and State of Massachusetts Master Mariner have invented a new and useful machinery and apparatus, for raising vessels of all sizes when in the water, without unloading them — and the following specifications are an exact description of the same, A. represents the vessel to be raised B. represents the lighter by which the vessel A, is to be raised; C. represents the water wheels by which the vessels are propelled especially in a calm, or with adverse winds D. represents notched or driver wheels and screws, which raise the beams upon which rest the cranes marked K. E, represents the band or driver wheels. H. represents the jack or notched wheels upon the shaft of the drivers below, and which carries the driver wheels, & screws thereby raising the beams. F. G. represents the drums below, and connected with the band wheel. H, around which passes a chain band from the driver wheel. E, N. represents the tread wheels upon which the horse, or horses travel. I. represents chain bands which pass around and from the drums G. to the driver wheels E. J. represents the beams through which the screws D, pass, and upon which rest the cranes marked K, K. represents the cranes which rest upon the beams marked J. and to which the upper ends of the chains all, are confined, and

to which also said chains are fastened at the middle and lower ends

L. represents two beams which pass from the crane K. across and above the deck of the vessel A. to prevent the lighters B. from crowding against the vessel to be raised. M. represents two chains which pass under the keel of the vessel A, and is connected to the crane K. and by which the vessel A, is to be raised. N. represents a rest or bearer ~~displaced~~ drawbed over the crane K., upon which rests the beam marked L. O. represents a gallows by which the cranes K are raised P. represents tackle by which the cranes K are raised by being connected to the gallows ears. Q. represents a stout wooden braced frame in the sides of which are grooves, where the ends of the beams J. stay to keep them steady. R. represents a notched wheel upon the shaft of the water wheel, S. which is carried by segments plank underneath the bend chain. T. represents two pulleys upon the heads of the shafts of Cranes K. U. represents blue chains fastened to the bows of the lighters B. to prevent them spreading.

It will be seen by the within specification that the purchase is by the beams L. playing in beams J. thereby raising cranes K. to which are fastened the chains marked M, and which chains pass under the vessel A.

Having now described the nature of my invention, and the manner in which the same is to be performed and carried into effect, I would have it understood, that I lay no claim to any of the various parts taken separately, — But I do claim as my invention the combining of the various parts in the manner above described. — In testimony whereof I have hereunto set my hand

Witness

E Aylmond

B. K. Aldwell

Fabian Leith.

Drawings

[616 words]