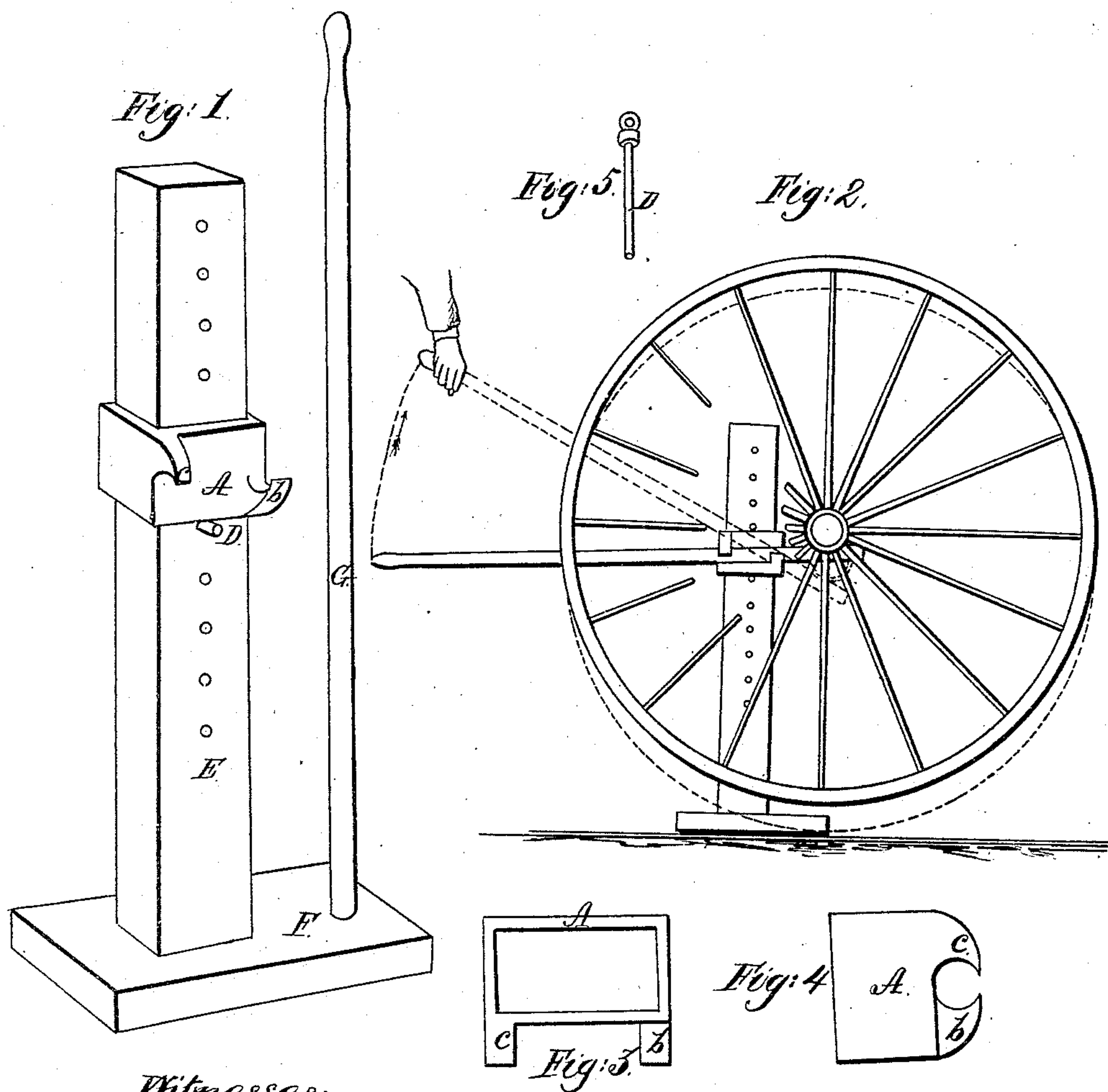


*H. W. Long,*  
*Lifting Jack,*  
*No. 83,778, Patented Nov. 3, 1868.*



*Witnesses:*  
*Byrn K Cowles*  
*J. H. Woodman*

*Inventor:*  
*Henry W. Long*

# United States Patent Office.

HENRY W. LONG, OF COUNCIL BLUFFS, IOWA.

Letters Patent No. 83,778, dated November 3, 1868.

## IMPROVED WAGON JACK.

The Schedule referred to in these Letters Patent and making part of the same.

To all to whom it may concern :

Be it known that I, HENRY W. LONG, of the city of Council Bluffs, Pottawattomie county, and State of Iowa, have invented a new and improved Jack for Raising and Supporting Wagon-Axles and other heavy bodies ; and I do declare the same to be fully described in the following specification and drawings, of which—

Figure 1 is a perspective view of the jack.

Figure 2 is a side elevation with power applied, the dotted lines showing the initiatory position of the lever, axle, and wheel, and the colored drawing, the consummation of the application.

Figure 3 is a top view of the movable clasp A in fig. 1.

Figure 4 is an end view of the clasp A.

Figure 5 is a pin that sustains the movable clasp A upon standard E, in fig. 1.

To enable others skilled in the art to make and use my invention, I give the following description.

Out of wood, I make the base, F, in fig. 1, into which I mortise the standard E, in said fig. 1, firmly, boring holes through the standard, at convenient distances, through which I insert the wood or metal pin D.

Out of metal, I make the movable clasp A, of a proper size to slip over the standard E, the said clasp having

upon the lower corner of the side the hooked fulcrum *b*, and upon the opposite upper corner of the same side the retaining hooked fulcrum *c*, as shown in figs. 1, 2, and 3.

Out of wood or metal, I make the lever G, in fig. 1, which, when not in use, I stand in a hole bored in base, F, to receive the same, and when combined, apply as follows: Placing the jack at a convenient distance from the body which I wish to raise and support, as shown in fig. 2, I place the lever G under the body and over the fulcrum *b*, then bearing down the lever until it passes below the retaining-fulcrum *c*, I swing it under the fulcrum *c*, and it is retained, and the body suspended and supported.

What I claim as my invention, and desire to secure by Letters Patent, is—

The movable clasp A, with the hooked fulera upon said clasp, in combination with the jack for raising weights, the whole arranged as described in the accompanying specification.

HENRY W. LONG.

Witnesses :

J. D. EDMUNDSON,  
S. J. HANNA.