

(No Model.)

E. A. REDFORD.

WAGON JACK.

No. 387,735.

Patented Aug. 14, 1888.

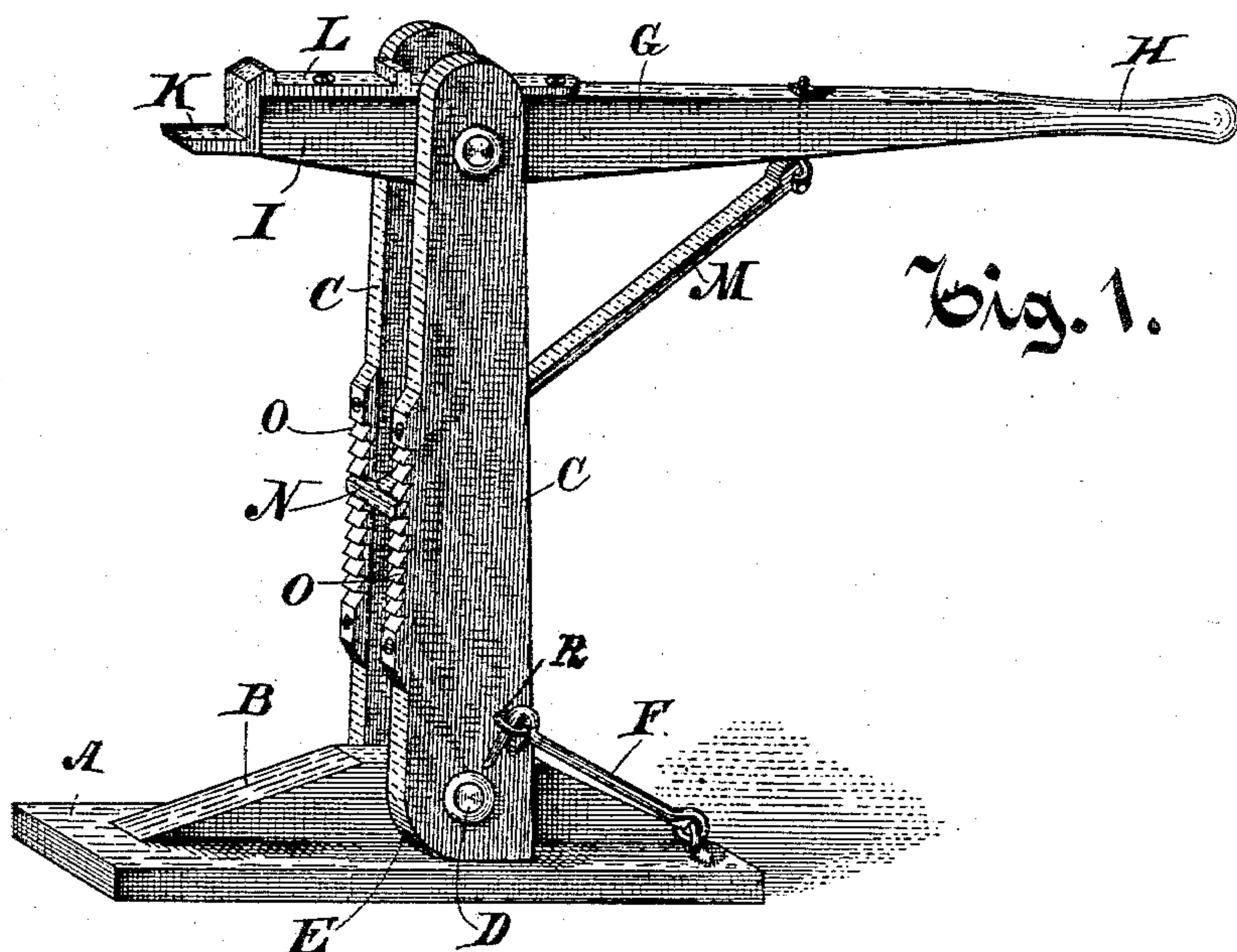


Fig. 1.

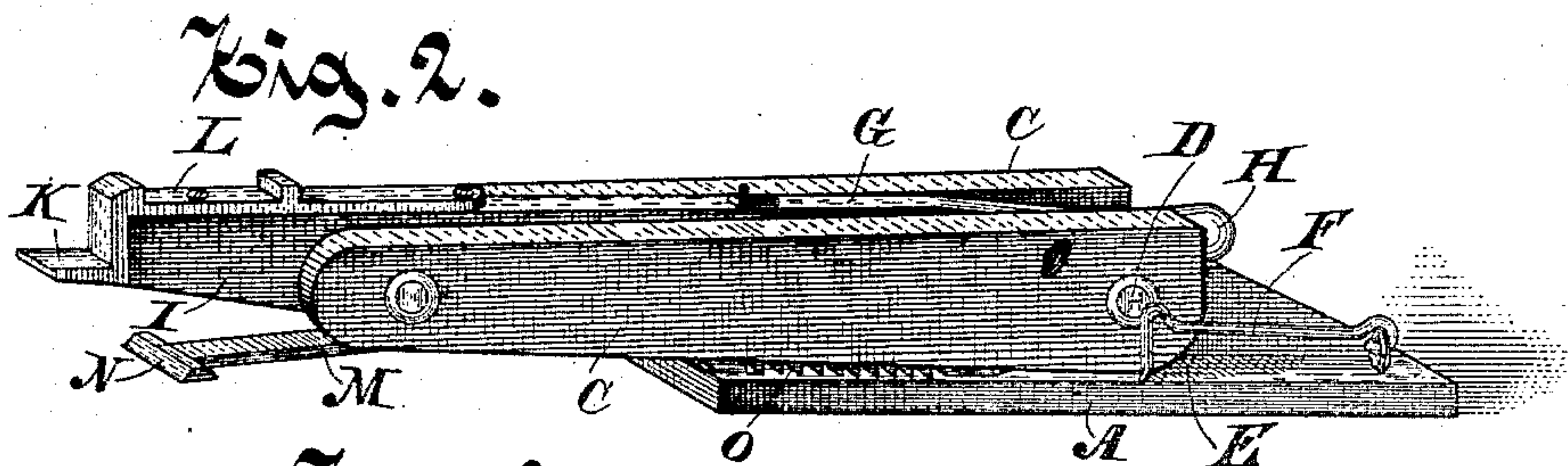
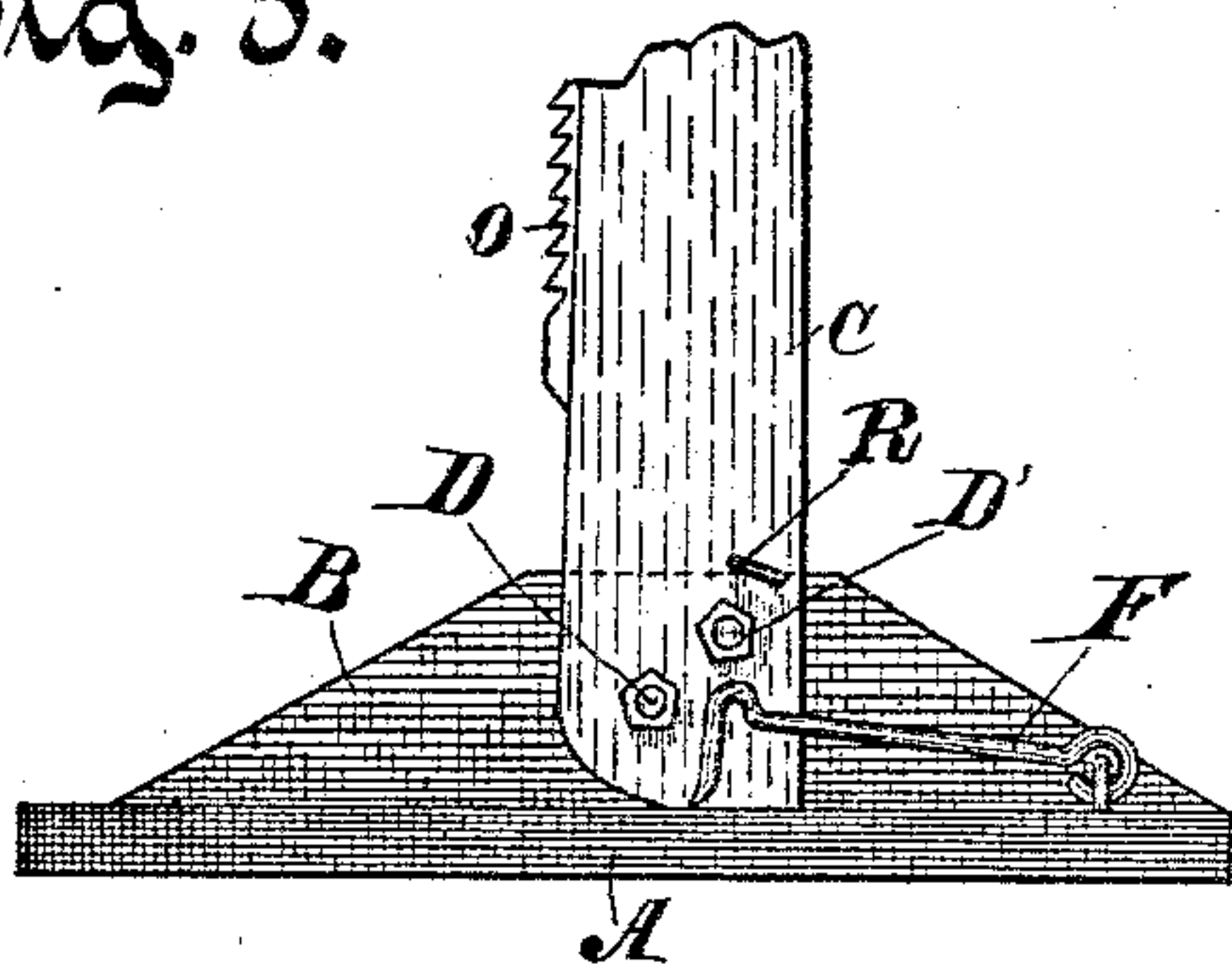


Fig. 2.

Fig. 3.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## WAGON-JACK.

SPECIFICATION forming part of Letters Patent No. 387,735, dated August 14, 1888.

Application filed April 9, 1888. Serial No. 270,107. (No model.)

*To all whom it may concern:*

Be it known that I, ERWIN A. REDFORD, of Eau Pleine, in the county of Portage and State of Wisconsin, have invented new and useful  
5 Improvements in Wagon-Jacks; and I do hereby declare the following to be a full, clear, and exact description of said invention, reference being had to the accompanying drawings, and to the letters or figures of reference marked  
10 thereon, which form a part of this specification.

In the drawings, Figure 1 is a perspective view of my improved wagon-jack. Fig. 2 is a perspective view of the same device shown  
15 in Fig. 1 folded together in form for easy transportation. Fig. 3 is a slightly-modified form of a part of the device.

The base consists of a flat supporting-piece, A, and an upwardly-extending block, B, rigid  
20 to or integral with the supporting piece A. The post consists, preferably, of two upright pieces, C C, pivoted to the base by a bolt, D, through the lower ends of the uprights and through the block B. These uprights have  
25 one corner of their lower extremities rounded off at E, whereby the post may be folded down upon the base in the manner shown in Fig. 2. For securing the post in an upright position a hook, F, secured and pivoted to the base, is  
30 adapted to engage in an eyebolt, R, fixed in the upright C, whereby the post may be secured in an upright position. A lever-arm, G, is pivoted in the upper extremity of the post, one end, H, of which is adapted to serve  
35 as a handle, and the other end, I, is provided with shoulders K and L for engaging with the axles of wagons of different heights. The shoulder L is preferably constructed in the form of a shallow recess in the top surface of  
40 the lever-arm, and the shoulder K is formed at the outer end of the lever-arm and somewhat lower down than the shoulder L. A re-

taining-rod, M, is pivoted at one end to the handle of the lever-arm and at the other end is provided with a cross-bar, N, adapted to  
45 engage with a toothed rack or racks, O, fixed on the edge or edges of the uprights C C. The object of this retaining-rod M is to hold the lever-arm G by the engagement of the cross-bar N with the racks O O against tipping  
50 down at its end I when a wagon-axle is being supported thereon.

It will be observed that the lever-arm G and the retaining-rod M are located between the two uprights C C, and that they are so pivoted  
55 that when the hook F is disengaged from the eye in the upright C the device may be folded compactly together in the form shown in Fig. 2. If the wagon-jack is desired for use mostly at one locality, I insert a second bolt, D',  
60 through the lower ends of the posts and through the block B, whereby in connection with the bolt D the uprights are secured rigidly to the base without using the hook F.

What I claim as new, and desire to secure by  
65 Letters Patent, is—

A folding wagon jack consisting of a base-piece having a block, B, two uprights, C C, pivoted to the block B and provided with  
70 racks O O, a hook, F, adapted to hold the uprights in perpendicular position, a lever-arm, G, pivoted in the top of the uprights C C, said lever-arm being provided with a shoulder, K, and a recess, L, the recess L being higher than the shoulder K, and a retaining-rod, M, piv-  
75 oted to the lever-arm G and provided with cross-bar N, adapted to engage the racks O O, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

ERWIN A. REDFORD.

Witnesses:

JOHN R. McDONALD,  
HY. ZACHOW.