

(No Model.)

G. C. BOVEY.

CARRIAGE JACK.

No. 354,382.

Patented Dec. 14, 1886.

FIG. 1.

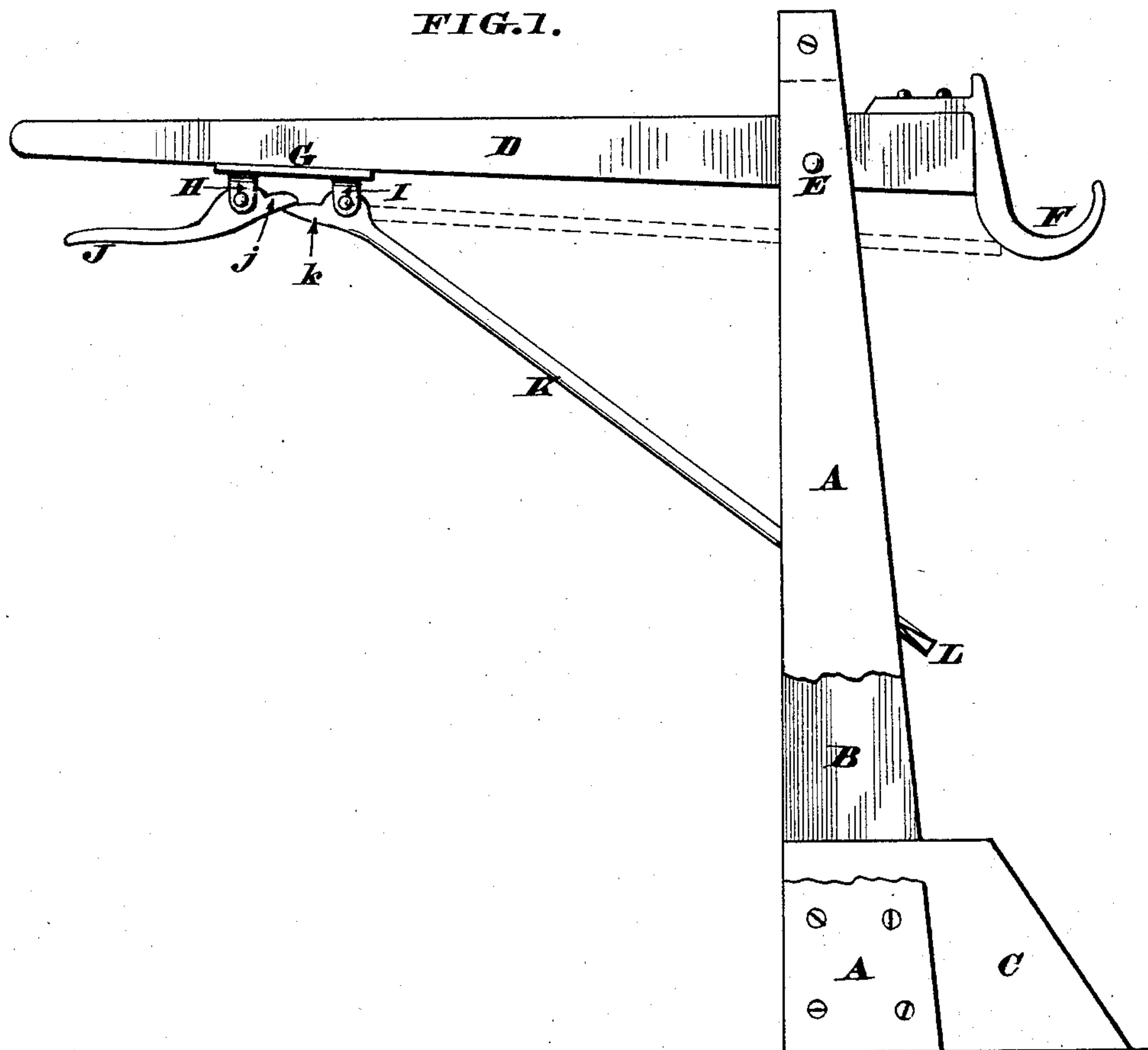
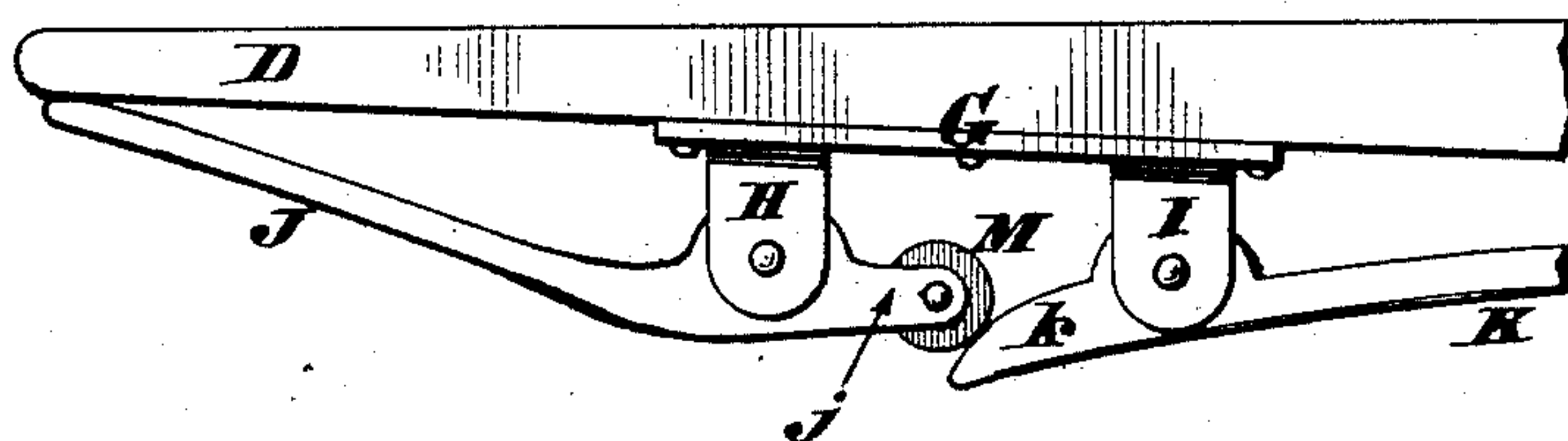


FIG. 2.



Attest.
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UNITED STATES PATENT OFFICE.

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CARRIAGE-JACK.

SPECIFICATION forming part of Letters Patent No. 354,382, dated December 14, 1886.

Application filed July 9, 1886. Serial No. 207,544. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. BOVEY, a citizen of the United States, residing at Columbus, in the county of Franklin, State of Ohio, have
5 invented certain new and useful Improvements in Carriage-Jacks, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to the peculiar form
10 of carriage-jack seen in Letters Patent No. 260,276, granted to me June 27, 1882, and the present improvement comprises a specific arrangement of trigger, rod, and dog for holding the main lever of the implement at any desired
15 adjustment. This rod is pivoted to the under side of the main lever and carries at one end a dog adapted to engage with the smooth or unnotched edges of a pair of standards, between which said lever swings, while the opposite end of said rod has a short heel, upon
20 which the heel of the trigger bears directly. By this arrangement the simple act of grasping the trigger and drawing it up against the under side of the main lever causes the dog
25 to be disengaged from the smooth edges of the standards, as hereinafter more fully described.

In the annexed drawings, Figure 1 is a side elevation of my improved carriage-jack, a portion of the standard being broken away. Fig.
30 2 is an enlarged side elevation of a modified form of the trigger.

A and B represent the standards, which are united at bottom by a base block or foot, C, so as to afford space for the lever D to swing
35 in, the lever being pivoted to said standards at E. The heel of this lever has a hook, F, to engage under a carriage-axle or other weight to be lifted, while the opposite end of said lever has a plate, G, secured thereto, said plate being
40 provided with two pairs of depending ears, H I. Ears H have a trigger, J, pivoted therein, the heel *j* of said lever being adapted to bear against the heel *k* of a rod, K, pivoted to the other pair of ears, I. The opposite end of this

rod carries a dog or detent, L, which latter engages with the smooth or unnotched edges of the standards in precisely the same manner as does the dog seen in my old patent, previously alluded to. 45

From the above description it is apparent 50 the dog L can be readily disengaged from the standard, or from a rack secured to the same, by simply grasping the lever D and trigger J with a single hand and then pulling said trigger toward said lever. This act causes the
55 rod K to swing up toward the lever, as seen in Fig. 2 and indicated by the dotted lines in Fig. 1, and as such a movement can be accomplished with one hand of the operator, his other hand is at liberty to steady the carriage
60 or load.

In the modification of the invention seen in Fig. 2, a small roller, M, is journaled in the lever-heel *j*, for the purpose of diminishing
65 friction.

I am aware it is not new to apply a trigger to the lever of a carriage-jack for the purpose of operating the locking device of the same, as such an expedient is seen in the patent granted to H. H. Brundage December 27, 1881. 70 Therefore my claim is not to be construed broadly, but is expressly limited to the within-described specific arrangement of devices.

I claim as my invention—

The combination, in a carriage-jack, of lever 75 D, the standards A and B, having smooth edges, the rod K, having a dog, L, at one end, the other end of said rod being provided with a heel, *k*, and trigger J, having a heel, *j*, said rod and trigger being pivoted to the under
80 side of said lever at I and H, respectively, as herein shown and described.

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

GEORGE C. BOVEY.

Witnesses:

JAMES H. LAYMAN,
SAML. S. CARPENTER.