(No Model.)

W. K. MOTTRAM & J. A. MUNDY.

LIFTING JACK.

No. 296,208. Patented Apr. 1, 1884.

Fig 1

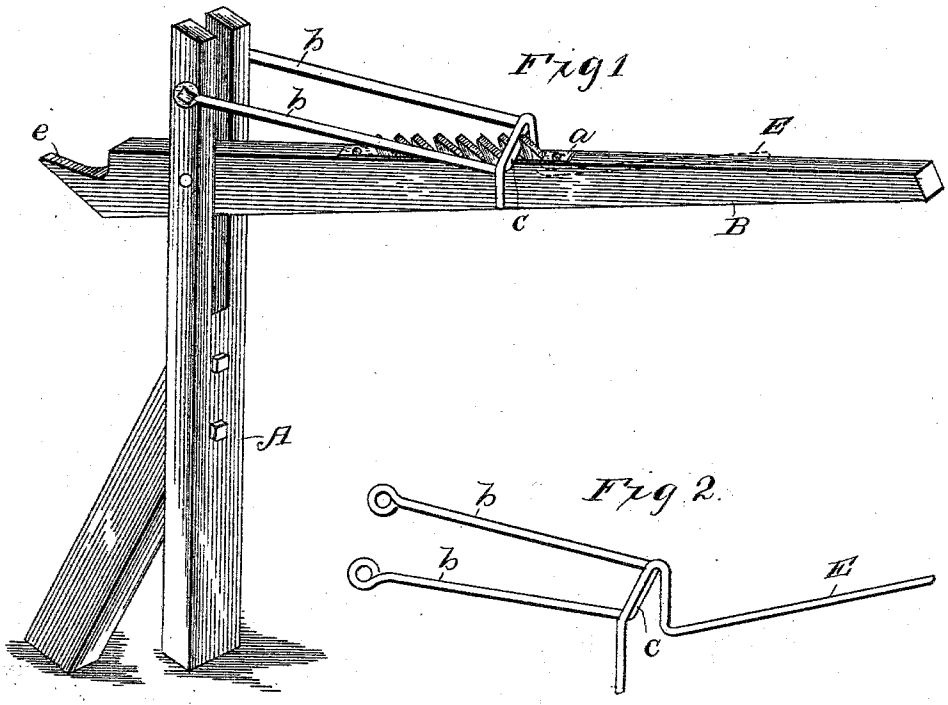
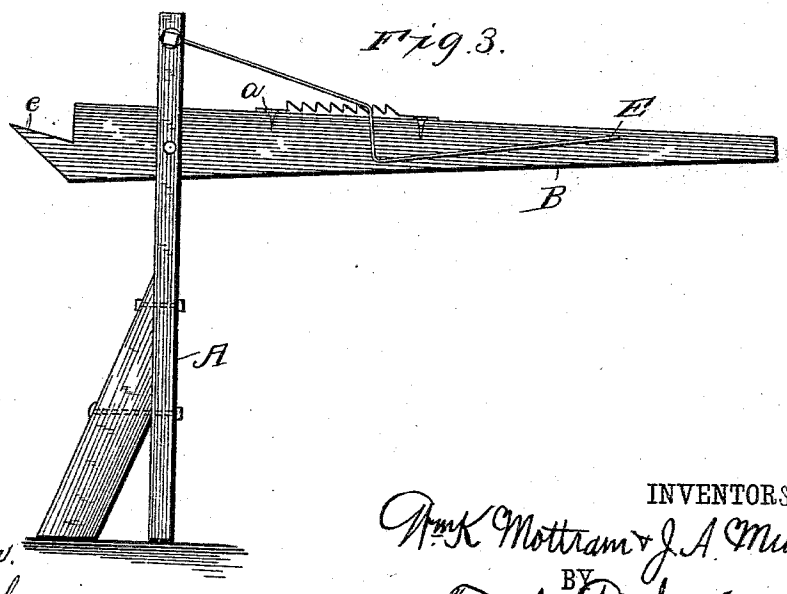


Fig 2.

Fig 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM K. MOTTRAM AND JAMES ARCHABLE MUNDY, OF OTTAWA, KANS.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 296,208, dated April 1, 1884.

Application filed February 15, 1884. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM K. MOTTRAM and JAMES A. MUNDY, citizens of the United States, residing at Ottawa, in the county of Franklin and State of Kansas, have invented certain new and useful Improvements in Lifting-Jacks, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has relation to improvements in lifting-jacks; and it consists in the construction and novel arrangement of devices, as will be hereinafter more fully set forth and claimed.

In the accompanying drawings, in which similar letters of reference indicate corresponding parts, Figure 1 is a representation of a perspective of my device. Fig. 2 is a view of a side elevation of the same, and Fig. 3 is a view of the loop-dog and its operating-rod.

Referring by letter to the said drawings, A indicates the standard, which is braced, as shown, and has a suitable portion of its upper end bifurcated to receive the lever B, between the arms of which it is pivoted. This lever B is provided on its upper surface with a ratchet-plate, *a*, the teeth of which incline in the direction of the standard to engage the forward end of the loop-dog. This loop is peculiar in construction, being preferably made of three-sixteenths round iron, and the free ends of its arms *b b* are suitably secured to the respective arms of the standard near their upper ends. From the engaging end *c* of the loop-dog extends rearwardly along the lever B an operating-rod, E, to within convenient reach of the operator, and adjacent to the said lever, so as to be easily manipulated in bringing the loop in and out of engagement with the teeth of the ratchet-plate while the said power-lever is being raised or lowered. The operating-rod we have shown as secured at its forward end to the engaging end of the loop, then extending downwardly and rearwardly along one side of the lever B; but it may be extended along both sides of the lever, if found desirable. By this construction it will be perceived that the operator, while raising or lowering the lever with a vehicle or other device bearing upon its power end, may have full control of the loop-dog without changing his position or removing his hand from the said lever. The forward end of the lever B is recessed on its upper surface so as to form a projection, *e*, with its upper surface inclining rearwardly, so as to prevent the slipping off of any article to which it might be applied, and this recessed portion may be faced with metal to prevent wear.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The lifting-jack described, consisting of the standard, having its upper end bifurcated, the lever pivoted therein, and provided on its upper surface with the ratchet-plate, the loop-dog, having its arms secured to the upper arms of the bifurcated standard, and the loop end, provided with means for engaging the ratchet-teeth, and the rearwardly-extending rod secured to the said loop, whereby the same may be made to engage and disengage the teeth of the ratchet, substantially as shown and described.

2. In a lifting-jack, the combination, with the loop-dog, of the operating-rod E, constructed substantially as shown and described, and welded to the upper side of the engaging end of the loop, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM K. MOTTRAM.
JAMES ARCHABLE MUNDY.

Witnesses:
H. H. COMFORT,
S. DEVORE.