L. MORTIMER.

LIFTING JACK.

APPLICATION FILED NOV. 15, 1916.

1,216,157. Patented Feb. 13, 1917.

Fig. 1.

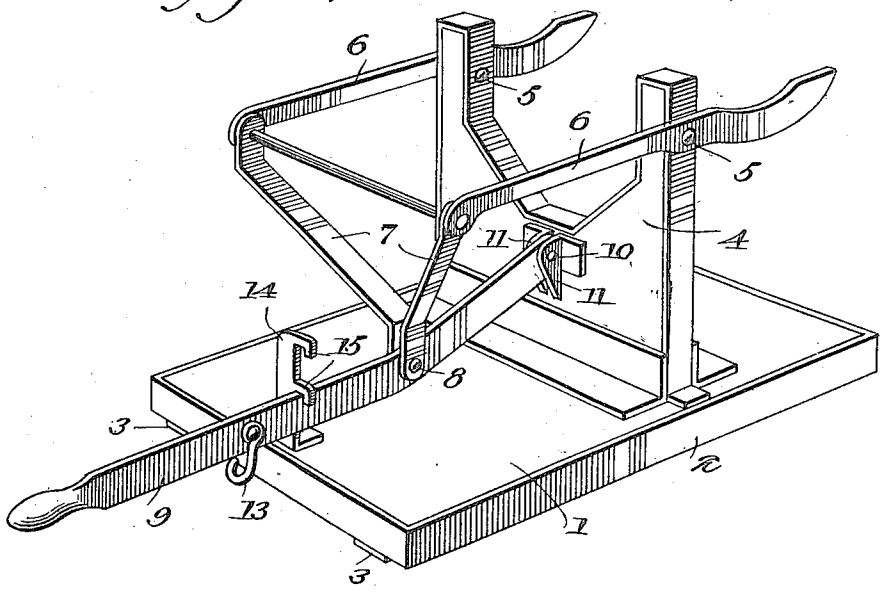
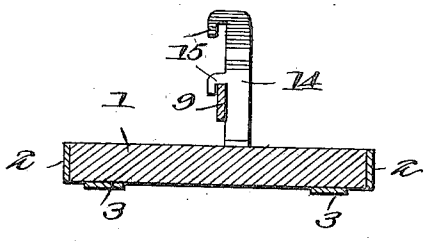


Fig. 2.



WITNESS

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UNITED STATES PATENT OFFICE.

LEONARD MORTIMER, OF BOSTON, MASSACHUSETTS.

LIFTING-JACK.

1,216,157. Specification of Letters Patent. Patented Feb. 13, 1917.

Application filed November 15, 1916. Serial No. 131,526.

To all whom it may concern:

Be it known that I, LEONARD MORTIMER, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Lifting-Jacks, of which the following is a specification.

The present invention relates to improvements in the construction of lifting jacks.

In carrying out my invention it is my purpose to produce a lifting jack of a simple, cheap but thoroughly effective construction, and which is primarily adapted for use upon automobiles or similar vehicles, and whereby the entire front or rear of the vehicle may be elevated to a desired height, to permit repairs being made thereto, or to permit of the removal of the wheels.

With the above and other objects in view the improvement resides in the construction, combination and arrangement of parts set forth in the following specification and falling within the scope of the appended claim.

In the drawing:

Figure 1 is a perspective view of a lifting jack constructed in accordance with the present invention,

Fig. 2 is a transverse sectional view through the same.

As illustrated by the drawing, the improvement contemplates the employment of a flat base 1 which is preferably constructed of wood and which has its edges bound by the metal straps or plates 2. The base 1, upon the underface thereof, is provided with spaced longitudinally extending metal shoes 3 and the said base, upon its upper face, and adjacent what I will term the forward end thereof, is provided with a vertically extending standard 4. The standard 4 may, if desired, be also constructed of wood and may be bound by metal reinforcing strips, and the said standard may be secured to the base by angle irons connected with the base and with the opposite sides or faces of the standard. The standard, from the upper edge thereof, is centrally formed with a substantially V-shaped depression, and the members to the opposite sides of the said depression are provided, adjacent the top thereof, with alining openings through which pass bolts or trunnion members 5—5. The trunnions project a suitable distance beyond the sides of the standard and are adapted to be received in openings in longitudinally extending arms 6—6. The arms at their outer ends are offset or otherwise shaped to engage with the axle of the vehicle, while to the inner ends of the said arms are pivotally secured angle links 7—7. The links 7 have their free ends pivotally connected, as at 8, to a longitudinally extending operating lever 9, and this lever has its inner end pivotally connected, as at 10, between spaced ears 11—11 secured upon the inner face of the standard 3.

The lever is preferably provided with a loosely connected member in the nature of a hook 13 which may engage either with the standard or with the base to hold the pivoted parts of the construction when the device is not in use.

Secured to the base 1, and arranged adjacent what I will term the outer end thereof is a vertically projecting member 14 that is provided upon one of its faces with one or more angularly disposed hook-shaped members 15—15, either of the said hook members being disposed to engage with the lever when the said lever is swung at a desired inclination with respect to the standard, as when the arms are first brought beneath the axle or other portion of the vehicle and then elevated by the operation of the lever and raise the vehicle above the ground or the supporting surface for the vehicle.

Having thus described the invention, what I claim is:

In a lifting jack for the purpose set forth, a flat base, shoes upon the underface of the base, a standard secured to the upper face of the base and being bifurcated from the upper edge thereof, a trunnion upon each of the sides of the standard, arms having offset ends pivotally connected with the trunnions, angular link members pivotally connected to the inner ends of the arm, a lever pivoted to the standard and pivotally connected with the links, and an upright member upon the standard having hooks adapted to engage with the lever to lock the lever thereto.

In testimony whereof I affix my signature.

LEONARD MORTIMER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."