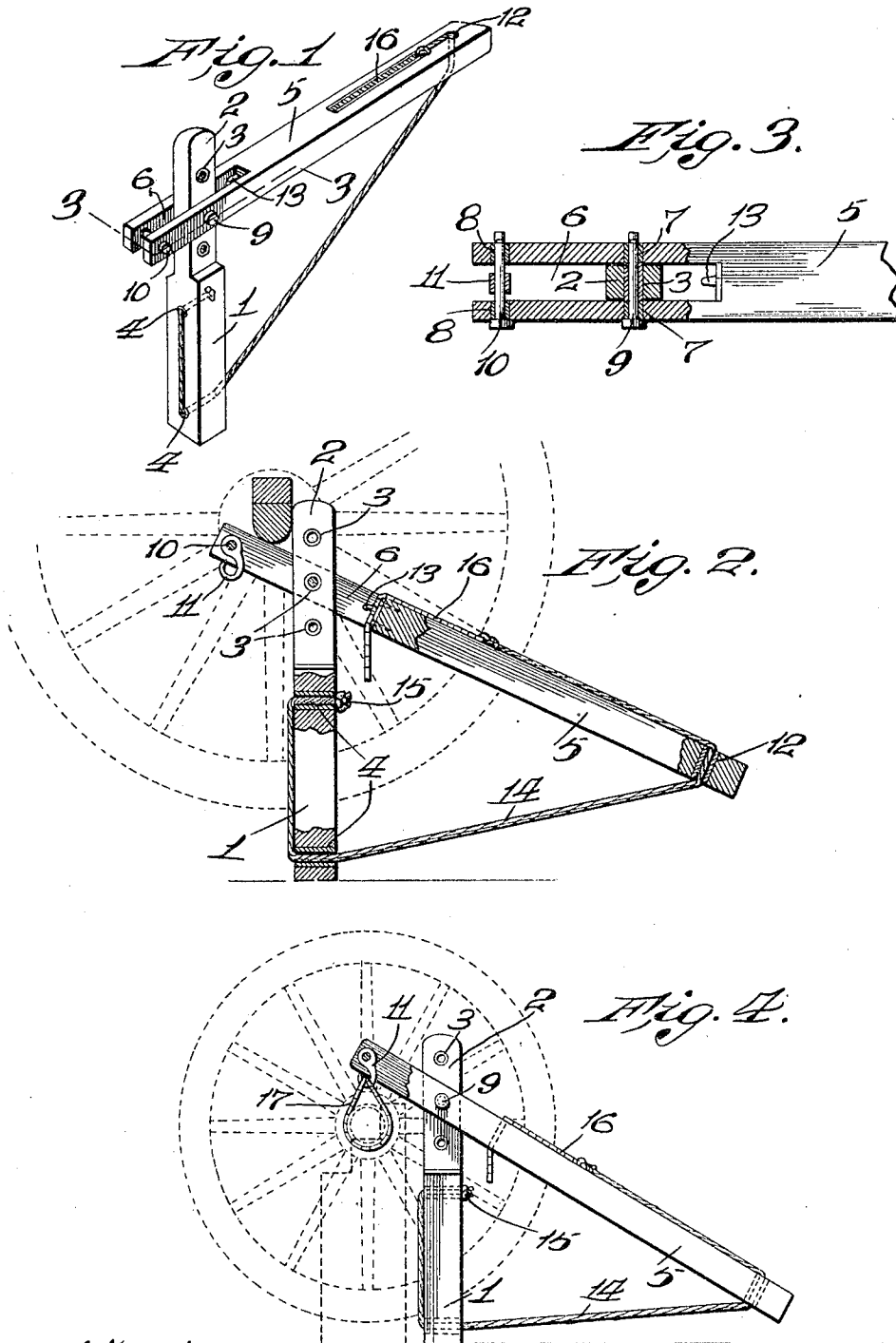


E. J. JUTZ.
LIFTING JACK.
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944,039.

Patented Dec. 21, 1909.



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UNITED STATES PATENT OFFICE.

EDWARD J. JUTZ, OF ST. LOUIS, MISSOURI.

LIFTING-JACK.

944,039.

Specification of Letters Patent. **Patented Dec. 21, 1909.**

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To all whom it may concern:

Be it known that I, EDWARD J. JUTZ, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Lifting-Jacks, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in lifting jacks, and consists in certain novel features of construction and arrangement of parts which will be hereinafter more fully set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of my invention; Fig. 2 is a side elevation, partly in section, showing it in use; Fig. 3 is a section taken on the line 3—3 of Fig. 1; and Fig. 4 is a side elevation showing my invention in use and as applied to the hub of a wagon wheel.

Referring by numerals to the accompanying drawings: 1 indicates a standard, formed of any suitable material, said standard being provided with a reduced portion 2, and formed through said reduced portion 2 are a series of transverse openings 3. Said standard 1 is also provided with holes or openings 4.

5 indicates the lifting lever, one end of which is provided with an opening 6, and formed through said end are transverse openings 7 and 8.

The reduced end 2 of the standard 1 is disposed in said opening 6, and pivotally mounted on said reduced portion 2 by means of a pin 9. This lifting lever 5 is vertically adjustable on the standard 1, the openings 3 being provided for such purpose. Mounted in the opening 8 is a similar pin 10, on which is carried a hook 11. Said lifting lever 5 is also provided in its lower end with a hole 12, and secured on said lever arm 5 adjacent the opening 6 is a hook 13.

14 indicates a cable, having one end knotted, as indicated by 15. The terminal portion of one end of said cable is passed through the openings 4 of the standard 1, and the terminal portion of the other end is passed through the opening 12 in the lifting lever 5, and secured to said end is a chain 16 provided with links.

The openings 4 and 12 may be properly bushed so as to prevent wear on the cable,

and the openings in the upper end 2 of the standard, as well as the other openings which pass transversely through the lifting lever, may be properly bushed.

In the operation of my device the jack is assembled, as illustrated in Fig. 1; one end of the lifting lever 5 is elevated so that its upper or bifurcated end may be inserted under the wagon axle or whatever other object may be desired to be lifted, and by pressing down on said first mentioned end the axle may be elevated, and by pulling on the cable 14 and inserting one of the links of the chain 16 over the hook 13, said lifting lever and the object to which it is applied is secured in its desired adjustment or elevation.

In cases where it is desirable, I employ a short cable 17 carried by the hook 11, which cable is applied around the hub of the wheel on the outside of the wheel, as illustrated in Fig. 4, and in such cases, in order to prop up the axle I use a separate prop, as illustrated by dotted lines in said figure.

I claim:

1. A lifting jack, comprising a standard, a lifting lever provided with a bifurcated end mounted on said standard and vertically adjustable thereon, a cable passing through the lower end of said standard and through said lever adjacent one end thereof, means carried by said lever and disposed on said lever between the standard and the point where the cable passes through said lever for engaging the free end of said cable for maintaining said lever in its desired inclination.

2. A lifting jack, comprising a standard, provided with a reduced upper end, a lifting lever provided with a bifurcated end mounted on said reduced upper end and vertically adjustable thereon, a cable passing through said standard at two points spaced apart from each other and through the lifting lever at a point adjacent one of its ends, a chain secured to the free end of said cable, and a hook carried by said lifting lever with which the links of said chain may be engaged.

3. A lifting jack, comprising a standard, provided with a reduced upper end, a lifting lever provided with a bifurcated end mounted on said reduced upper end and vertically adjustable thereon, a cable passing through said standard and through the lifting lever at a point adjacent one end of said lifting lever, a chain secured to the free

end of said cable, a hook carried by said lifting lever with which the links of said chain may be engaged, a hook carried by the bifurcated end of said lever, and a loop carried by said hook which may be applied to the hub of the wheel to be elevated.

In testimony whereof, I have signed my

name to this specification, in presence of two subscribing witnesses.

EDWARD J. JUTZ.

Witnesses:

E. E. LONGAN,

E. L. WALLACE.