

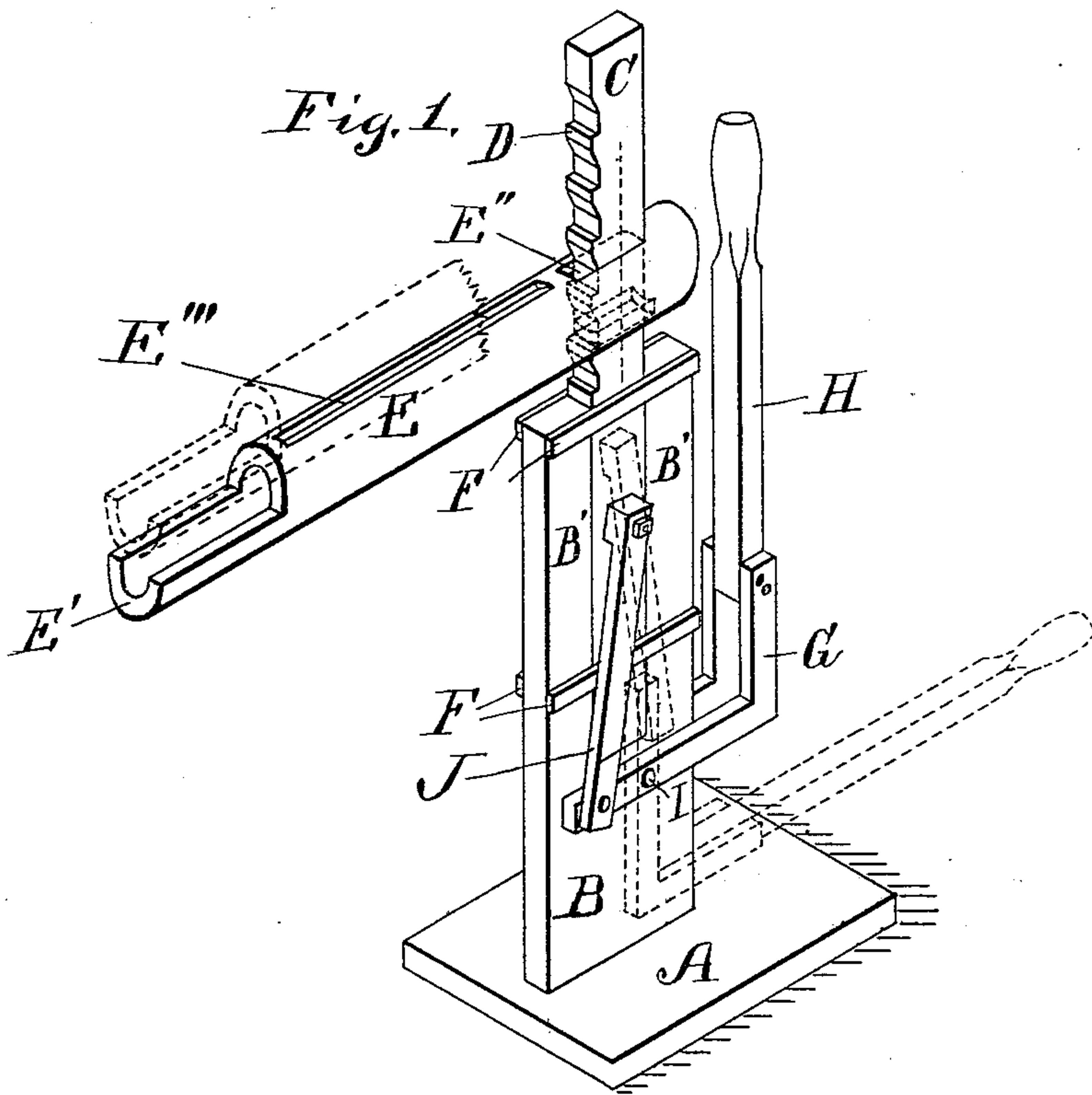
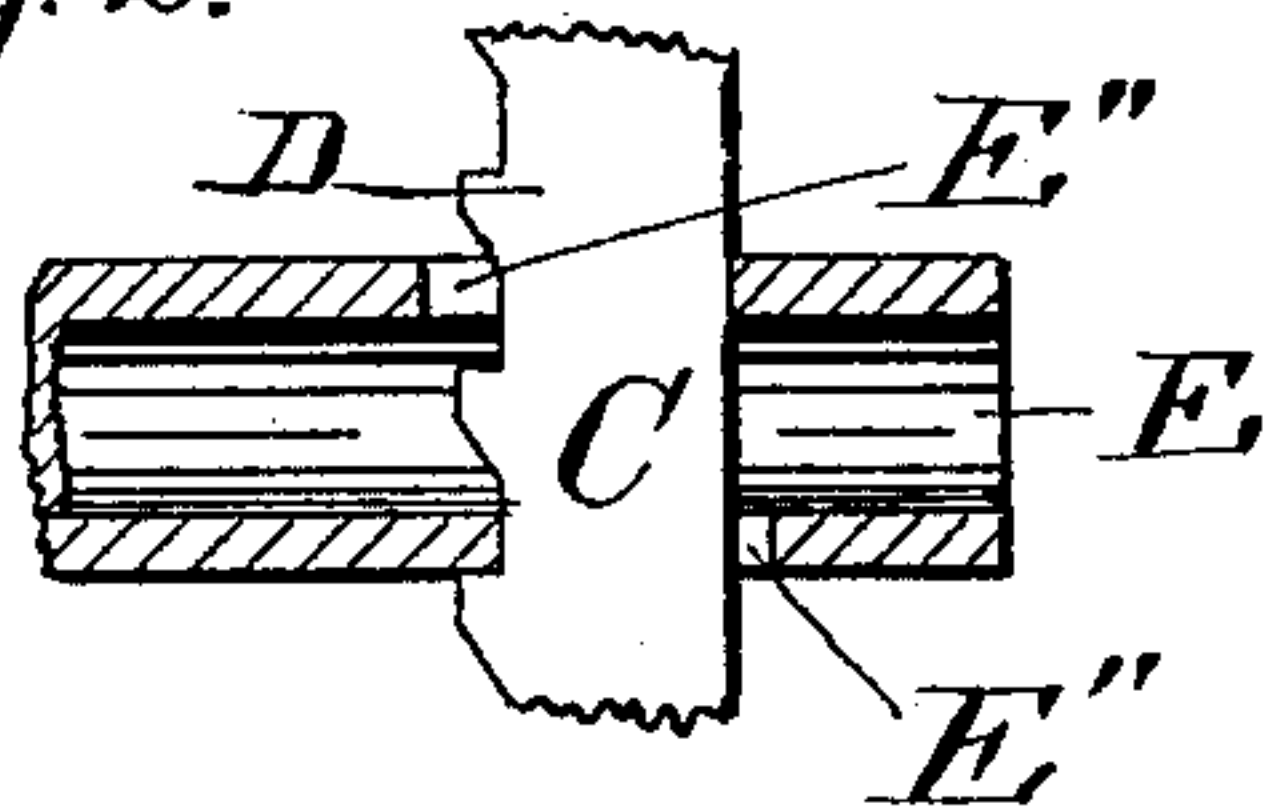
No. 677,067.

Patented June 25, 1901.

D. E. DE LAPE.
WAGON JACK.

(Application filed Apr. 10, 1900.)

(No Model.)



Witnesses.

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Invention

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UNITED STATES PATENT OFFICE.

DAVID E. DE LAPE, OF PASADENA, CALIFORNIA.

WAGON-JACK.

SPECIFICATION forming part of Letters Patent No. 677,067, dated June 25, 1901.

Application filed April 10, 1900. Serial No. 12,333. (No model.)

To all whom it may concern:

Be it known that I, DAVID E. DE LAPE, a citizen of the United States, residing at Pasadena, in the county of Los Angeles, State of California, have invented new and useful Improvements in Lifting or Wagon Jacks, of which the following is a specification.

My invention relates to jacks to be used when oiling the wheels of vehicles; and the objects thereof are to provide a jack of simple construction capable of being operated easily and quickly and provide a support and rest for the wheel while the spindle is being oiled. I accomplish these objects by the device described herein and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved jack. Fig. 2 is a cross-section of a portion of the wheel-supporting bracket and a side view of a portion of the lifting-bar.

In the drawings, A is the base-plate, adapted to rest upon the ground or other support, on which is mounted the bifurcated standard B, between the furcations or arms B' of which is lifting-bar C, provided on one side with teeth D to hold the wheel-supporting bracket E at different points of adjustment for axles of different heights. Bar C is held from lateral motion by brace-bars F, affixed to the arms B' of standard B. Bracket E is preferably constructed out of pipe of a diameter adapted to permit of the passage thereon of the hub of the wheel and has a reduced portion or lip E' at one end to fit the end of the spindle and a slot E'' extending through the other end thereof of a size sufficient to closely fit the lifting-bar C, and yet permit its easy movement up and down thereon when desired. The upper portion of slot E'' is closer to lip E' than the lower portion, so that when the edge of the lower portion nearest lip E' catches in tooth D bracket E will be held in a horizontal position.

E''' is a groove in the upper part of bracket E, so that by rotating the wheel when on bracket E the inner side of the box may be cleaned.

On the lower part of standard B is bifurcated L-shaped lever G, having handle H.

Lever G is pivotally attached to standard B by bolt I, which forms the fulcrum thereof. To the outer ends of the furcations of lever G are pivotally attached oscillating links J, the upper ends of which are pivotally attached to lifting-bar C.

My jack is operated as follows: The nuts are removed from the ends of the spindles to be oiled. Bracket E is adjusted on bar C so that lip E' will rest immediately below and engage the threaded end of the spindle. Lever G is then turned down to the position shown in dotted lines in Fig. 1, which raises the wheel off the ground or other support and causes handle H to contact with standard B, and thereby arrest the further movement of lever G, which by its downward movement has brought the lower ends of links J with reference to a line drawn from the upper pivotal connections of links J to fulcrum I on the other side of the fulcrum I of lever G, and the wheel is thereby held in a stationary suspended position. It is then slipped off the spindle onto bracket E. The spindle is then oiled, when the wheel is slipped back onto the spindle and the wheel lowered to its support by returning lever G to its normal position.

Having described my invention, what I claim is—

In a lifting-jack having means, substantially as shown, to elevate a wheel; a wheel-supporting bracket comprising a piece of pipe provided with means to engage the threaded end of the spindle at one end, and a transverse slanting slot at the other end for the passage therethrough of an upright lifting-bar having notches to engage the other end of the wheel-supporting bracket, and to hold the same in an adjusted horizontal position, as shown.

In witness that I claim the foregoing I have hereunto subscribed my name, this 4th day of April, 1900, at Los Angeles, California.

D. E. DE LAPE.

Witnesses:

G. E. HARPHAM,
M. C. WILKINSON.