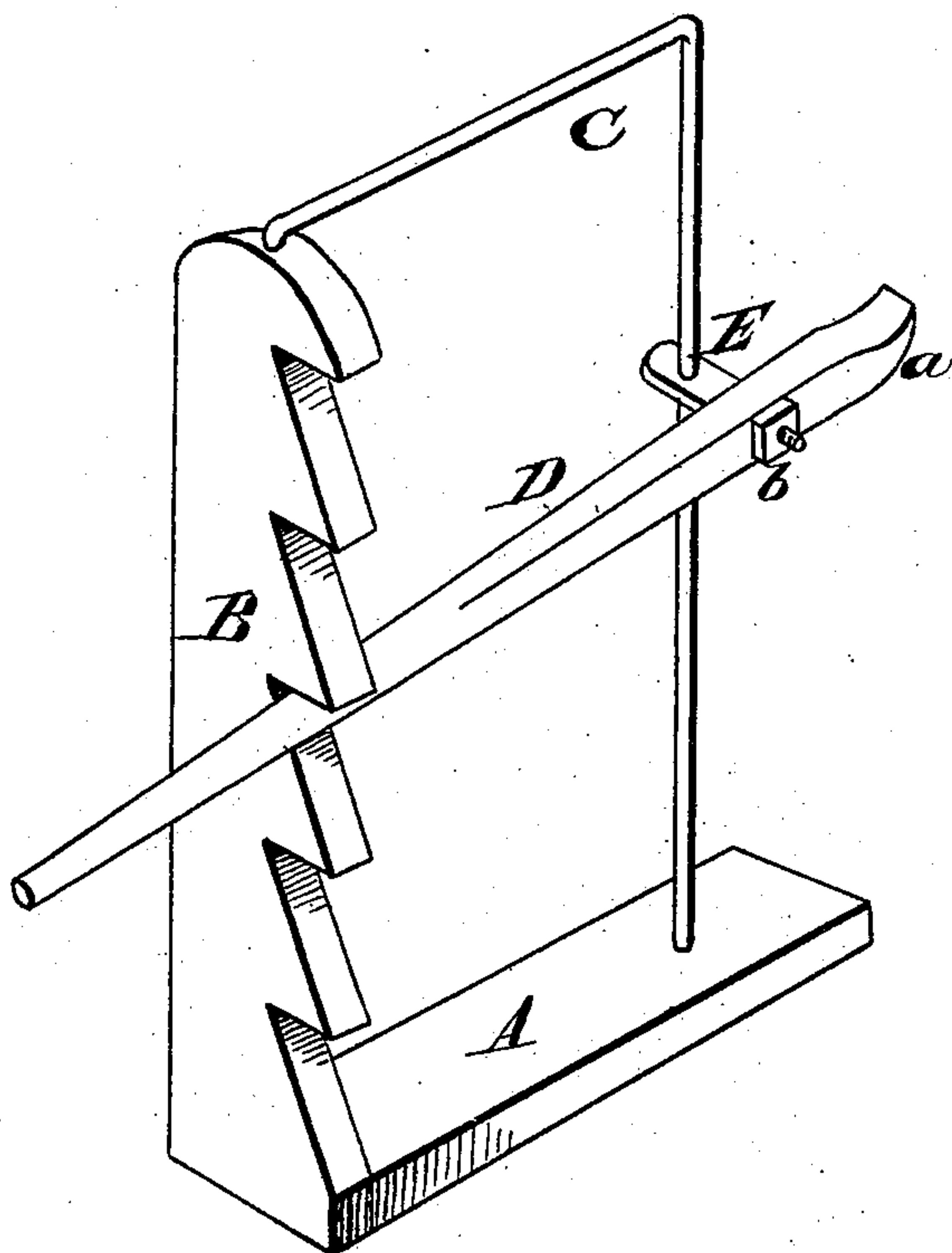


H. H. SHERWOOD.

LIFTING JACK.

No. 179,070.

Patented June 20, 1876.



WITNESSES

E. H. Bates
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INVENTOR

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UNITED STATES PATENT OFFICE.

HORACE H. SHERWOOD, OF FREDERICKTOWN, OHIO.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. 179,070, dated June 20, 1876; application filed April 29, 1876.

To all whom it may concern:

Be it known that I, HORACE H. SHERWOOD, of Fredericktown, in the county of Knox and State of Ohio, have invented a new and valuable Improvement in Lifting-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

The figure of the drawing is a representation of a perspective view of my lifting-jack.

This invention has relation to devices which are denominated "lifting-jacks," which are especially designed for raising the axles of vehicles, and holding them up while removing or applying the wheels.

The nature of my invention consists in a vertical rack secured at right angles to a base-board, to which a rectangular rod is rigidly secured, in combination with a lifting hand-lever, the shortest arm of which is connected by a swivel to the vertical portion of said angular rod, as I will hereinafter more fully explain.

In the annexed drawing, A designates the base-board of my improved lifting-jack, one end of which has rigidly secured to it a vertical rack, the teeth of which are pitched like those of a saw. This rack, which I have lettered B, has secured to its upper end one end of a rectangular rod, C, the longest vertical arm of which is rigidly fixed into the base-

board A, and is parallel with the rack B. D designates a hand-lever, the shortest arm *a* of which is pivoted to a swivel, E, and secured to this swivel by means of a nut, *b*. The swivel E receives loosely through it the vertical portion of the rod C, thus allowing lever D to be adjusted up or down at pleasure.

The operation of my invention is as follows: The short arm of the lever D is adjusted beneath the axle of the vehicle, near the wheel to be removed. The longest arm is then depressed until one end of the axle is raised the proper height, when said long arm is adjusted beneath one of the teeth of the rack B. The weight upon the short arm of lever D will then cause the swivel E to bite firmly the vertical portion of the rod C and hold up the axle.

By detaching the long arm of the lever D from the teeth of the rack B, the swivel and its lever can be easily adjusted to any desired height and fixed in place, as above described.

What I claim as new, and desire to secure by Letters Patent, is—

In combination with the rack B and angular rod C, the lever D and swivel E, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HORACE H. SHERWOOD.

Witnesses:

KATE GREENLEE,
A. GREENLEE.