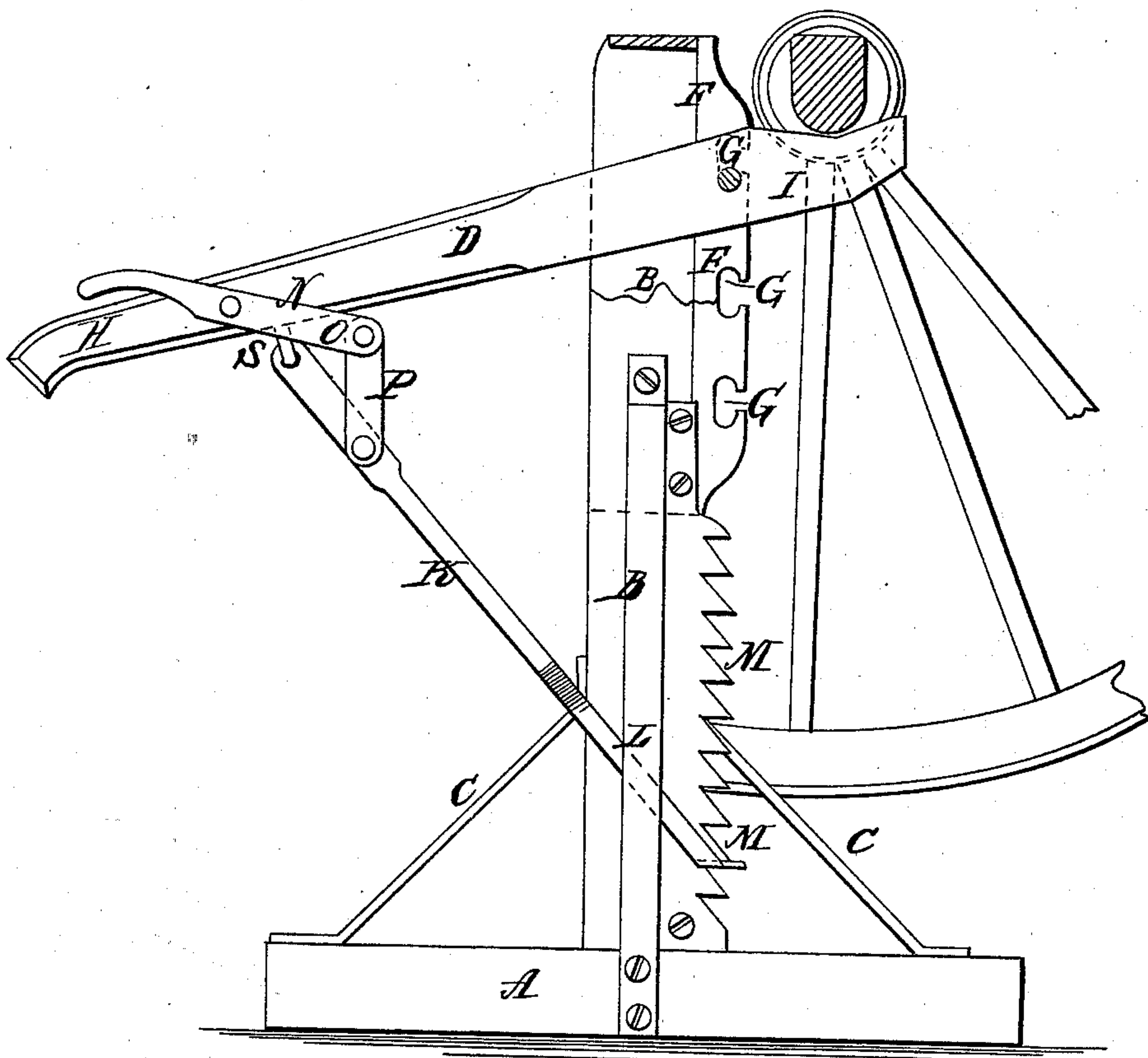


W. H. Trusty,
Lifting Jack.

N^o 70,291.

Patented Oct. 29, 1867.



Witnesses:
Thos Fische
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United States Patent Office.

WILLIAM H. TRUSTY, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 70,291, dated October 29, 1867.

IMPROVEMENT IN WAGON-JACK.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM H. TRUSTY, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Wagon-Jacks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The wagon-jack embraced in the present invention, as in the ordinary jacks, consists of a foot or base-piece, provided with a standard, carrying the lifting-bar or lever, but in addition thereto has combined with it a pawl-and-ratchet surface, for holding the lifting-bar in whatever position it may be brought by the use of the jack, for raising or lifting a wagon or carriage-axle.

In the accompanying plate of drawings my improved wagon-jack is illustrated, the figure being a side elevation of the same.

A, in the drawings, represents the base or foot-piece to the jack, and B its standard, fixed in an upright position to such foot-piece, and in such position braced by side brace-rods C, properly applied thereto. D, the lifting-bar or lever to the jack, arranged in the upper and slotted end E, where it is hung by a cross-pin, *a*, for turning on the notched sides F, in any one of its series of notches G, according as the height of the wagon-axle on which the jack is to be used may require. This lifting-bar D, at one end H, is adapted for being grasped by the hands, and at the other, I, for being set under a wagon-axle. K, a pawl-rod, hung at one end to a staple, S, upon the under side of the handle, to the lifting-bar D, and, by its other end, passing through the guide-loop L to the ratchet-teeth M of the standard B, with which, by such end, it is made to engage, as shown. N, a thumb-lever, hung to a lifting-bar, D, and by its end O, through a link-piece, P, hung or connected with the pawl K.

By pressing on this thumb-lever the pawl K is released or lifted from the ratchet-tooth with which it may be engaged, thus leaving the lifting-bar free to be swung or turned for lifting the axle under which it may have been placed; when, having thus raised it to the desired height, if the pressure upon the thumb-lever be then removed, the pawl, of itself, engages with the ratchet-tooth corresponding in position to its lower end, and there secures and holds the lifting-bar, as is obvious.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The pawl-and-ratchet surface, in combination with the lifting-bar, when such pawl is provided with a lifting-lever, substantially as and for the purpose described.

2. In combination with the above, I claim the series of notches to the standard of the jack, as herein described, for the purpose specified.

Witnesses:

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