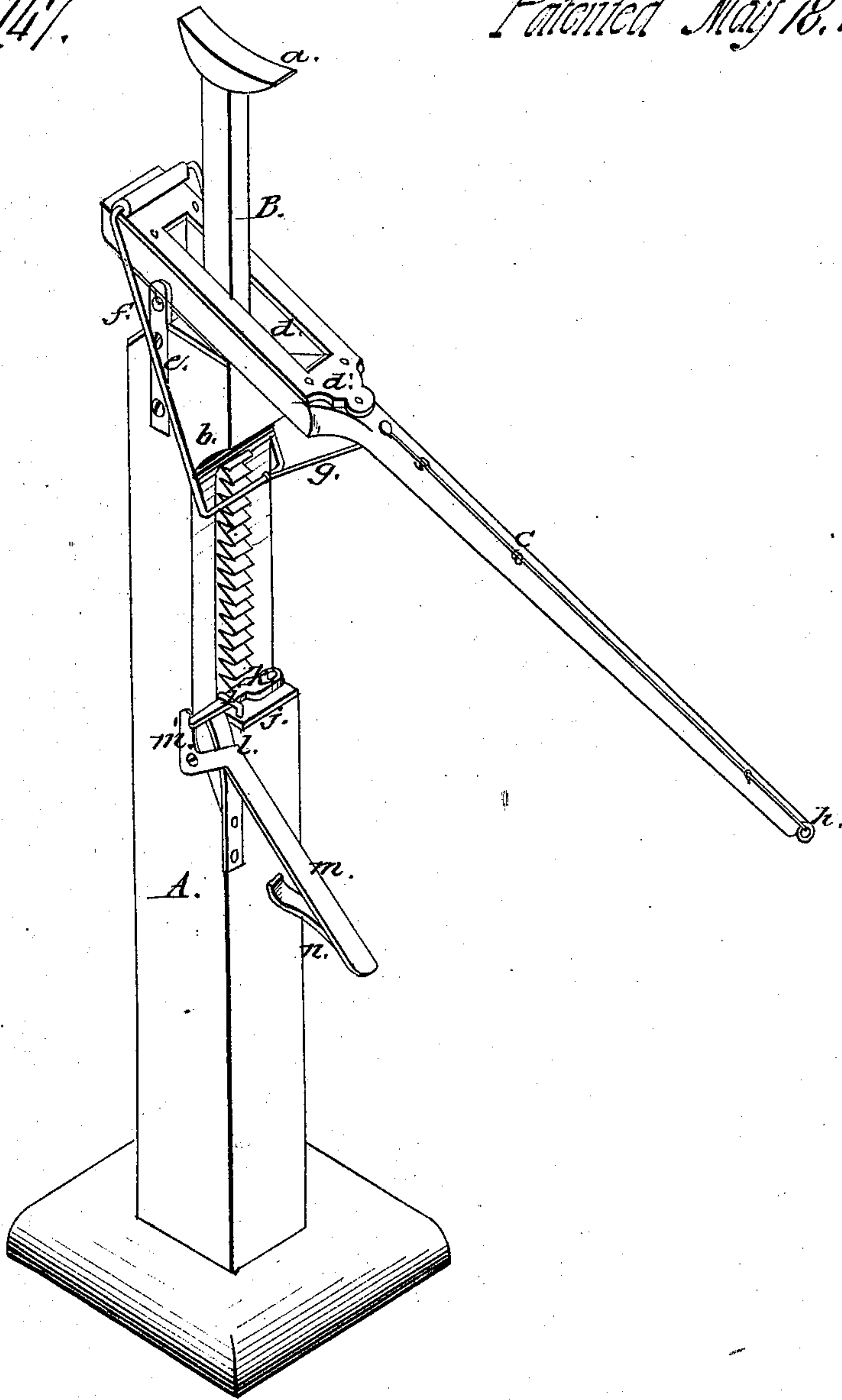


J. Zeller,

Wagon Jack:

No. 90,147.

Patented May 18, 1869.



Witnesses:
Jm. A. Ellis
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Inventor:
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United States Patent Office.

JOHN ZELLER OF STOUCHSBURG, PENNSYLVANIA.

Letters Patent No. 90,147, dated May 18, 1869.

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, JOHN ZELLER, of Stouchsburg, in the county of Berks, and State of Pennsylvania, have invented certain new and useful Improvements in Wagon-Jacks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which is represented a perspective view of my wagon-jack.

The nature of my invention consists in the employment of a notched bar, provided at its upper end with a receptacle for the axle, and operated by means of a pivoted lever, and lifting-strap pivoted to the end of said lever, with other devices, all of which will hereinafter be fully set forth.

To enable others skilled in the art to which my invention appertains, to make and use the same, I will now describe its construction and operation.

In the accompanying drawing—

A represents an upright stock, having a part, *b*, near its upper end, cut out, and having a rectangular mortise through the centre, extending from the upper end to near the lower end.

B represents a notched metal bar, sliding in said rectangular mortise, and provided at its upper end with the concave projection *a*, forming a receptacle for the axle.

C represents a lever, formed with a mortise, *d*, at one end, through which passes the upper end of the notched bar B.

I would here remark, that the upper end of the stock A is made as seen in the drawing, and covered with metal plate, to allow the lever C full play.

The lever C is pivoted in the uprights *e e*, (secured to the upper end of stock A,) by bolt passing through hole in uprights *e e*, and through metal straps secured to under side of lever C.

Over the mortise *d*, in the lever, is secured the metal plate *d'*, provided with a corresponding mortise, and having its rear end bent over, forming a receptacle for one end of the lifting-strap *f*, while the other end is

passed down into the cut-out *b* into the notched bar B. The end of this lifting-strap connected with the notched bar, is provided with a cord, or string, *g*, passing up through a hole in the lever, and attached to one end of the rod *h*, which passes through eye-bolts secured in the lever. This device is to throw the lifting-strap out of gear.

On the lower part of the cut-out *b*, there is secured a metal plate, *j*, provided at one end with a staple, *i*. To this plate is pivoted the bar *k*.

l is a spring, the lower end being attached to the stock A, and the upper end resting against the forward side of the bar *k*.

m is a knee-lever, made as seen in the drawing, and pivoted to the side of stock A, so that its upper end *m'* will rest against the rear side of bar *k*, the other end passing down, and is provided with a small spring, *n*.

The operation of my jack is as follows:

The jack is placed under the wagon, with the axle resting upon the concave; then, by operating the lever C, the notched bar B is raised, the bar *k* giving at each downward motion of the lever, to allow the notched bar to pass, and holding the notched bar when the lever is raised.

By operating the spring *m* by the foot or knee, and the rod *h* with the hand, the bar B can be lowered.

Having thus described my invention,

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

1. Lever C, in combination with the bail *f*, bar B, and rod or cord *g*, all arranged to operate substantially as and for the purpose set forth.

2. A lifting-jack, consisting of bar B, stock A, lever C, bail *f*, cord or rod *g*, knee-lever *m*, springs *n* and *l*, and stop *k*, all combined, arranged, and operating substantially as and for the purpose described.

In testimony that I claim the foregoing as my own, I affix my signature, in presence of two witnesses,

JOHN ZELLER.

Witnesses:

ISRAEL GARRETT,
PETER H. RAPP.