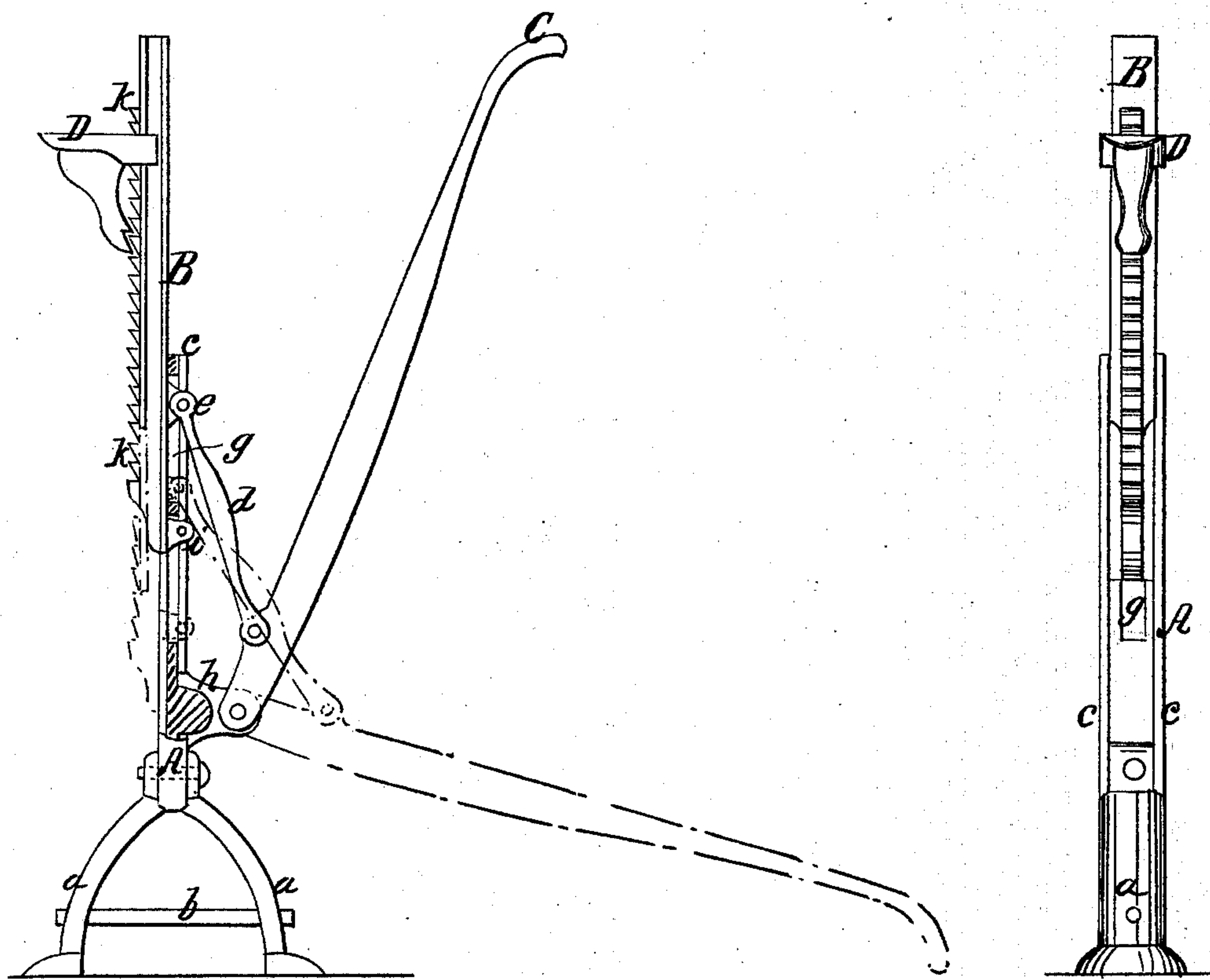


*J. F. Emmert,*

*Lifting Jack.*

*N<sup>o</sup> 68,970.*

*Patented Sep. 17, 1867.*



*Witnesses;*

*H. Jackson  
Thos. Tusch*

*Inventor;*

*J. F. Emmert  
Per *Wm. D. Brown**

# United States Patent Office.

JOSEPH F. EMMERT, OF QUINCY, PENNSYLVANIA.

*Letters Patent No. 68,970, dated September 17, 1867.*

## IMPROVEMENT IN CARRIAGE-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, JOSEPH F. EMMERT, of Quincy, in the county of Franklin, and State of Pennsylvania, have invented a new and improved Carriage-Jack; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of my improved carriage-jack, part of which is removed to show the slide-lifting arrangement.

Figure 2 is a view of the same on a different side.

Similar letters of reference indicate like parts.

This invention relates to a new and improved carriage-jack, which is operated by a lever to raise a sliding rack. It is made wholly of cast iron, and is both cheap and convenient.

A is an upright stand supported on legs *a a*, united by a cross-brace, *b*. The stand A has grooves on opposite sides, formed by projecting edges or side strips *c c*, fig. 2, and fitted in a groove on one side is a sliding lift-rack, B, operated by the lever C that is connected to it by a link-rod, *d*, which is pivoted to a lug, *e*, that passes through a vertical slot, *g*, in the stand A. The lever C is pivoted to a lug, *h*, at the bottom of the stand A, and on the lower end of the sliding lift-rack B is a lug, *i*, which also passes through the slot *g*, and is held in place by a pin through it running across the slot. The lift-rack B has its teeth *k k* so arranged that a supporting slide piece, D, may catch in them and rest at any point for the purpose of adapting the jack to axles of different height.

For operating the jack, the slide piece D being placed at the proper point of the rack B, when set under the axle, the end of the lever C may rest on the ground, as is shown in red, fig. 1, or be held at some convenient position, when, as is obvious, by lifting the lever C, the sliding rack will also be lifted and raise the axle, and when the lever reaches an upright position it will remain in that position and keep the sliding rack B and the slide piece D in place for supporting the axle.

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

The construction and arrangement of the slotted stand A, in which the toothed sliding lift-bar B, provided with the slide piece D, works, the lever C, pivoted to the lug *h* at the bottom of the standard A, and to the lower end of the link *d*, whose upper end is pivoted to the lug *e* of the lift-bar B, working in the slot *g* of standard A, substantially as described for the purpose specified.

JOSEPH F. EMMERT.

Witnesses:

E. J. BURBRAKE,

F. FOURTHMAN.