

*P. B. Russell,*

*Lifting Jack.*

*No. 99483.*

*Patented Feb. 1, 1870.*

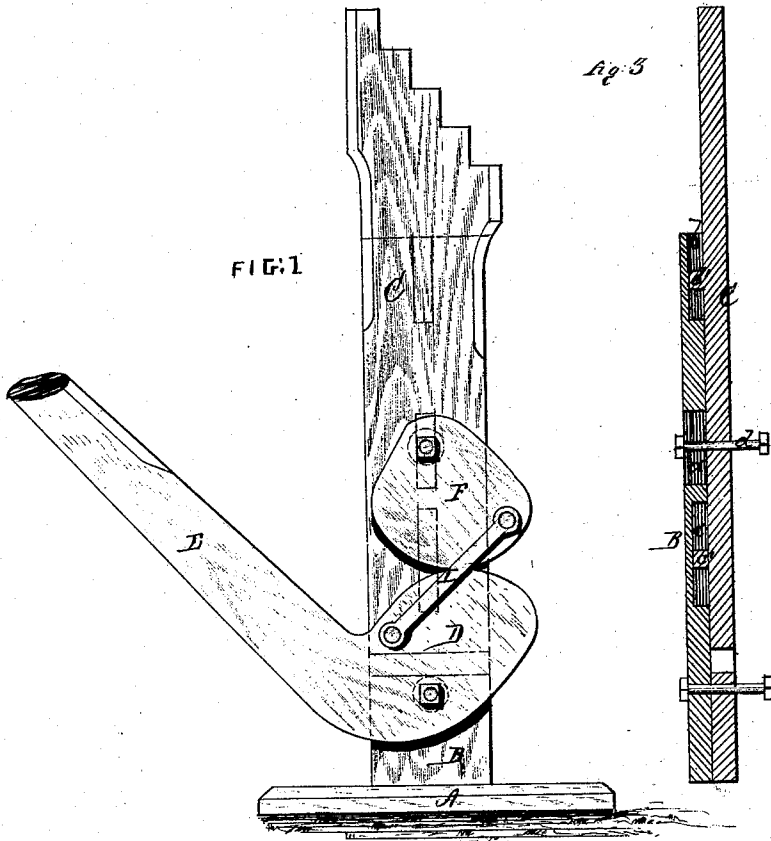


FIG. 2.



Witnesses  
*L. L. Burt*  
*W. J. ...*

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*Alexander Mason*  
*Att'y.*

# United States Patent Office.

P. B. RUSSELL, OF MALONE, NEW YORK.

Letters Patent No. 99,483, dated February 1, 1870.

## IMPROVED 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, P. B. RUSSELL, of Malone, in the county of Franklin, and in the State of New York, have invented certain new and useful Improvements in Wagon-Jacks; and 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, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "wagon-jack," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side elevation;

Figure 2 is a vertical section; and

Figure 3 is a horizontal section.

A represents the bed-piece, having an upright standard, B, secured to the same.

About the centre of the standard B, is a vertical slot, *a*, of suitable length, and on the front side are two vertical grooves, *b* and *c*. The groove *b* extends from the upper edge of the standard to about half the distance to the upper edge of the slot *a*, while the groove *c* extends downward from near the lower end of said slot, a suitable distance.

On the front side of the standard B, is placed the elevating-piece C, which at its upper end is cut, in the manner shown in fig. 1, in a kind of stair-step arrangement, so that the jack can be used for wagons of different height.

On the inner side of the piece C, are two lugs or projections, *b'* and *c'*, which are placed in the two grooves *b* and *c* respectively, whereby the elevating-piece is guided, so as to move vertically up and down.

Near the foot of the standard B, is pivoted a cam, D, which is provided with a handle or lever, E.

The cam D is, by a pivoted connecting-bar, I, connected with another cam, F, which moves or turns on a bolt, *d*; said bolt passes through the elevating-piece C, and through the slot *a* on the standard B. It will thus be seen that by the motion of the two cams D and F, the elevating-piece C is raised or lowered at pleasure.

The cams D and F are so shaped and arranged that when the handle or lever E is raised, the piece C will be as low down as possible; then when the lever is pressed downward, the connecting-bar I causes the larger sides of the two cams to come together, which raises the upper cam F, and with it the elevating-piece C.

Having thus fully described my invention,

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

The construction and arrangement of the standard B, with its slot *a* and grooves *b* *c*, elevating piece C, having projections *b'* *c'*, cams D F, handle E, and connecting-bar, I, all substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 19th day of July, 1869.

P. B. RUSSELL. [L. s.]

Witnesses:

O. B. HALE,  
W. W. WEBSTER.