

W. J. M. BATCHELDER.

LIFTING-JACK.

No. 191,824.

Patented June 12, 1877.

Fig. 1.

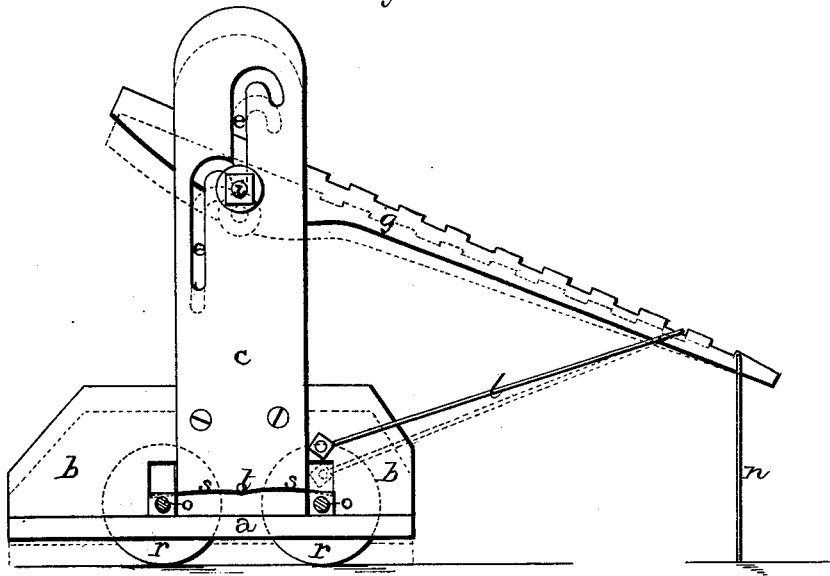


Fig. 2.

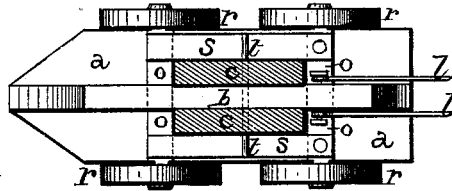
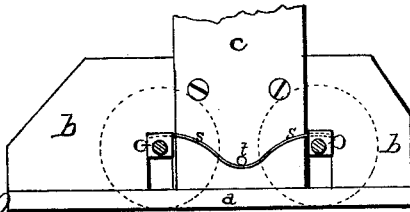


Fig. 3.



WITNESSES

*Wm. Garner*  
*Abat J. de Juyk*

INVENTOR  
*Wm. J. M. Batchelder*  
per  
*F. A. Lehmann*  
*Atty.*

# UNITED STATES PATENT OFFICE.

WILLIAM J. M. BATCHELDER, OF HONEY CREEK, INDIANA.

## IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **191,824**, dated June 12, 1877; application filed May 11, 1877.

*To all whom it may concern:*

Be it known that I, WILLIAM J. M. BATCHELDER, of Honey Creek, in the county of Henry and State of Indiana, have invented certain new and useful Improvements in Lifting-Jacks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in lifting-jacks; and it consists in the arrangement and combination of parts that will be more fully described hereinafter, whereby wheels are applied to the jack, so that it can be moved readily about from place to place, and whereby a simple, cheap, and effective jack is produced.

The accompanying drawings represent my invention.

*a* represents a base or ground-sill, which may be of any desired length, width, and thickness, and upon the top of which is secured the board *b*, which extends from one end to the other of the base along its center. Suitably secured to each side of this board *b* is a standard, *c*, of any suitable dimensions, and which are separated from each other by the thickness of a board alone. Through each of these standards is made a continuous slot, *e*, which is shaped like a number of inverted *J*s, all of which are united together.

Between the two standards is placed the lever *g*, which has a pivot pin or bolt, *i*, passing through it and through the two slots in the two standards. This pivot-bolt *i* allows the lever *g* to be moved freely up and down in the slots, and serves as the pivot upon which the said lever operates.

The slot here shown shows only three resting-places for this pivot-bolt; but the slot may be continued upward to any desired distance, so as to make as many resting-places as may be desired. By making this slot the shape shown there is no danger of the pivot-bolt slipping out of position after it has once been adjusted, as is always the case when the rest-

ing-places are not made as distinct as here shown.

Upon the top of the lever are made a number of notches, in which the loop *l* catches for the purpose of holding the lever in any desired position when a weight of any kind is bearing down upon its shorter end. Fastened to the small end of the lever, and projecting downward, is a support, *n*, which may be of any suitable construction, so that it will support the outer end of the lever, and prevent it from falling in the mud or causing a person to be constantly reaching downward to catch hold of the lever.

Passing over the top of the base *a*, and through the mortises or slots in the board *b*, are the two axles *o*, which have the wheels *r* upon each end. Bearing down upon the top of these two axles are the flat springs *s*, which springs are held down, at or near their centers, by means of the studs or projections *t* from the sides of the standards. These springs are sufficiently strong to keep the axles pressed down upon the top of the base *a*, and while held in this position the wheels extend below the lower side of the base *a*, and support the jack in such a manner that the jack can be readily drawn or pushed about from place to place. As soon, however, as a weight is applied to the short end of the operating-lever these springs yield sufficiently to allow the axles to rise upward in the slots until the wheels no longer extend below the bottom of the base *a*, when the jack rests solidly upon the ground. As soon as the weight is removed the springs depress the wheels again, and the whole weight of the jack is again brought to bear upon the wheels.

Having thus described my invention, I claim—

1. The lever *g*, provided with a support at its smaller end, for the purpose of keeping it raised above the ground, substantially as set forth.

2. The combination of the axles *o*, wheels *r*, board *b*, having slots therein, and springs *s*, substantially as specified.

3. A lifting-jack having its frame provided with vertical slots, and which is depressed

by the weight applied to the end of the lever, so that the jack will settle down and rest solidly upon the ground, and then rise upward, by means of springs, as soon as the weight is removed, so as to rest upon the wheels, substantially as set forth.

In testimony that I claim the foregoing I

have hereunto set my hand this 7th day of May, 1877.

WILLIAM JAMES MADISON BATCHELDER.

Witnesses:

JACOB SNIDEMAN,  
PATRICK SMITH.