T. J. WOODS.
Lifting-Jack.

No. 204,408. Patented May 28, 1878.

Fig. 1.

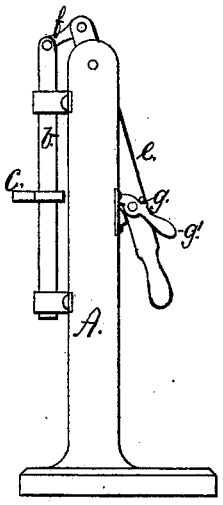
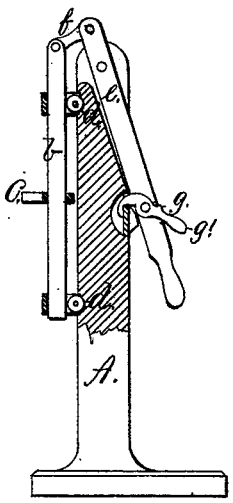


Fig. 2.



WITNESSES

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THOMAS J. WOODS, OF WESTERLY, RHODE ISLAND.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **204,408**, dated May 28, 1878; application filed April 22, 1878.

To all whom it may concern:

Be it known that I, THOMAS J. WOODS, of Westerly, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Carriage-Jacks; and I hereby declare that the following is a full, clear, and exact description of 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, shown in the position when the hand-lever is locked and the carriage supported by the same. Fig. 2 is a sectional view of the same, showing the lever-locking device and the friction-rolls.

The invention consists in the novel arrangement, with the vertical sliding bar resting against friction-rolls, of the slotted bracket, which can be adjusted at any height, and the hand-lever provided with an automatic locking device, as will be more fully set forth hereinafter, and pointed out in the claims.

In the drawings, A is the vertical standard; *b*, a bar sliding vertically in proper supports; *c*, a slotted bracket, which, when held at right angle with the bar *b*, may be easily moved up or down on the same, but which, when released, will clamp itself in any position on the bar *b* by the lower edge of one end of the slot resting against one edge of the bar *b* and the upper edge of the opposite end of the slot against the other edge of the bar, and the greater the strain the more firmly will the bracket be so held. To allow the bar *b* to slide with little friction, when a heavy weight is to be lifted, I insert the friction-rollers *d d*, against which the bar rests.

e is the hand-lever hinged on the upper end of the standard A, and connected with the bar *b* by a link, *f*. By depressing the handle end of the lever *e*, the bar *b*, and with it the bracket *c*, and any weight resting on the same is raised; and to hold the weight so raised I provide the hinged or pivoted latch *g*, which enters a slot in a plate on the standard A, as is clearly shown in the drawings, and the weight is thus supported and held for any desired time. When the same is to be lowered, the latch *g* is raised by depressing the thumb-piece *g'* on the latch, which can be done by one finger of the same hand that holds the lever *e*, and the carriage or other weight may be lowered.

This carriage-jack is readily adjusted to any kind of carriage, operates with little friction, is cheap in construction, strong and durable, and so light that it can be easily handled and carried from place to place.

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

1. The combination, in a carriage-jack, with the bar *b*, of the adjustable slotted bracket *c* and the friction-rollers *d d*, substantially as and for the purpose set forth.

2. The combination, with the standard A, of the hinged lever *e*, the latch *g*, provided with the thumb-piece *g'*, the bar *b*, connected with the lever by a link, and the adjustable bracket *c*, slotted and held on the bar, substantially as and for the purpose set forth.

THOMAS J. WOODS.

Witnesses:
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