

R. B. Prindle.

Wagon-Jack.

N^o 72901

Patented Dec. 31, 1867.

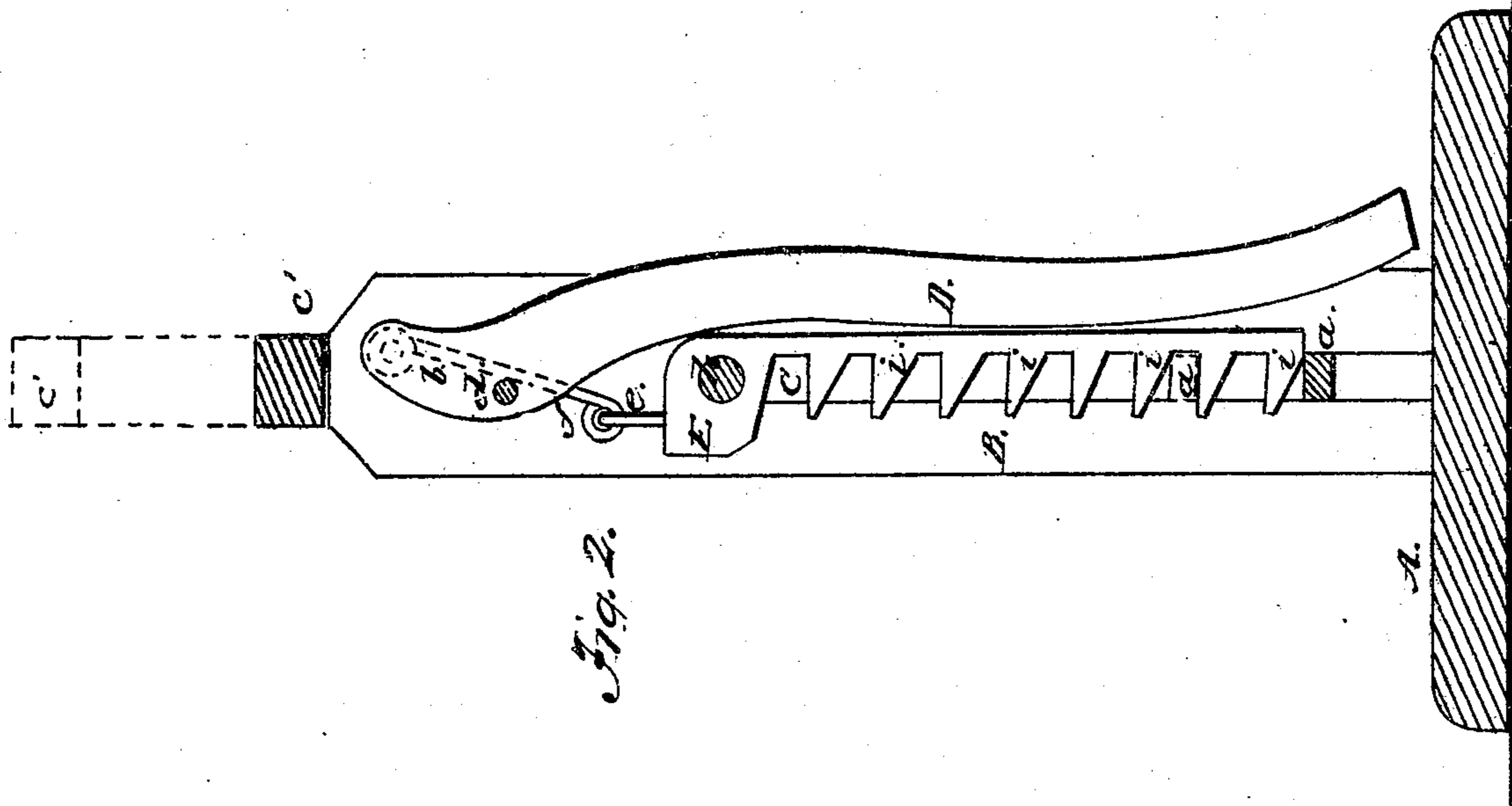


Fig. 2.

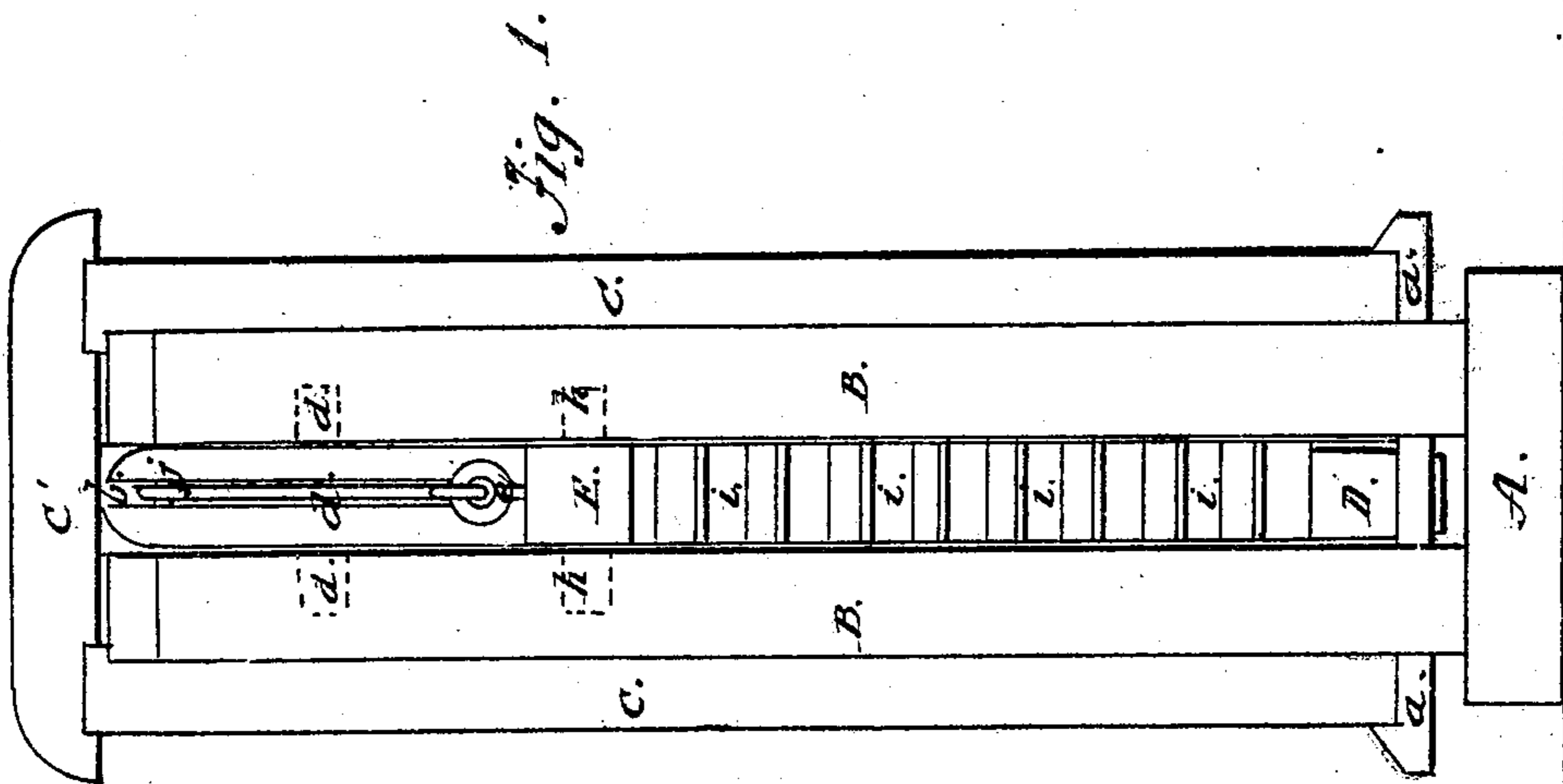


Fig. 1.

Witnesses

E. M. Dennison
Geo. C. Green.

R. B. Prindle
by Attorneys
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United States Patent Office.

RUSSEL B. PRINDLE, OF NORWICH, NEW YORK.

Letters Patent No. 72,901, dated December 31, 1867.

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, RUSSEL B. PRINDLE, of Norwich, in the county of Chenango, in the State of New York, have invented certain new and useful Improvements in Wagon or Lifting-Jacks; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a front face vertical view of the jack.

Figure 2 shows a section through a side elevation of the same, the slide for lifting shown raised up in red lines.

My invention is an improvement on the wagon or lifting-jack for which I obtained Letters Patent dated August 20, 1867; and it consists in a simple notched rack with pin-guides at the top, working in grooves in the vertical standard, so as to keep the top of the rack in position, while it being so connected by a link to the fulcrum of the crooked lever, that the hook notches will readily assume the proper position to take hold of the cross-bar under the bottom of the slides, which with a cross-piece on the top, form the lifting-frame, operating at various heights.

To enable others to make and use my improved wagon or lifting-jack, I will describe it more fully, referring to the drawings and to the letters marked thereon.

The foot or base, A, the vertical standards B B, and the sliding frame C C, are constructed very similar to the frame of my patent wagon-jack above referred to. Under the bottom of the slides C C is placed a bar of metal, *a a*, running through the side slits of the standards B B, so as to form an oblong square frame of the portion of the jack that slides up for lifting. The lever D, which may be made of cast metal, has trunnions *d d*, on each side, on which it is hung in the top of the standards B B, it having a slot, *b*, in the fulcrum-end, into which the connecting-link *f* is withdrawn, and passes by the centre of the pivots or trunnions *d d*, when the handle of the lever D is carried down to a vertical position. To the connecting-link *f* is attached by a loop or staple, *e*, the notched rack E; the connecting-link being in front of the pin-guides *h h*, so as to always hold the rack-teeth *i i i i* on to the bar *a*, when the lever D is operated for lifting, the power of the lever being the same, whether lifting by the top or bottom teeth, or notches of the rack E.

The operation of the jack, as above described, is the most simple, efficient, and easily understood. When used for raising a wagon-wheel off the ground, raise the handle of the lever D, place the jack so that the cross-piece *c* will be under and near to the axle. The notched rack E will place one of the teeth *i* under the bar *a*, then bring the lever D down until the pin *j*, which connects the link *f* to the fulcrum of the lever, is past the trunnions *d d*, and the weight is lifted, and held firmly by its own gravitation.

Having thus fully described my improvement and invention in wagon and lifting-jacks, what I claim as new, and desire to secure by Letters Patent, is—

The notched rack-bar E, arranged and constructed in combination with the connecting-link *f*, fulcrum-lever D, bottom bar *a*, and sliding frame C C, operating substantially in the manner as herein described, for the purposes set forth.

In testimony whereof, I have hereunto subscribed my name in the presence of—

R. B. PRINDLE.

Witnesses:

G. W. RAY,

PHILANDER B. PRINDLE.