W. H. GREENWALT.

Improvement in Lifting-Jacks.

No. 126,286. Patented April 30, 1872.

Fig. 1.

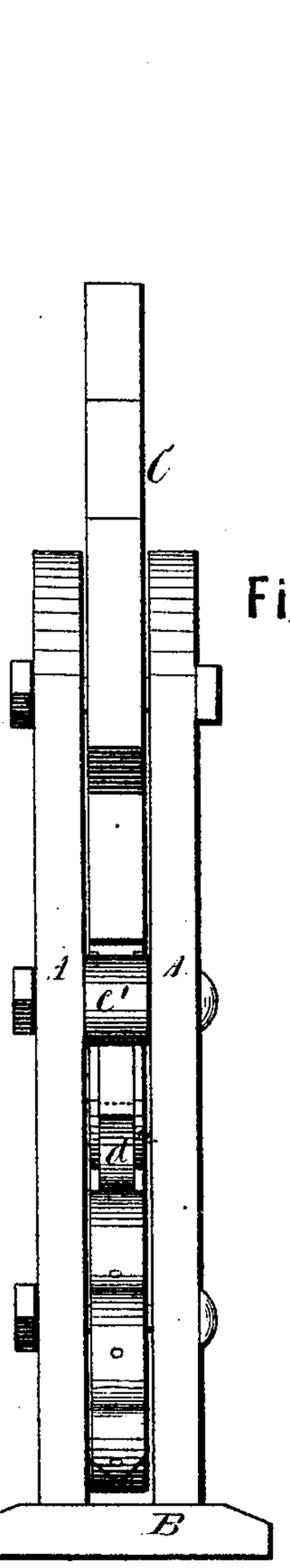
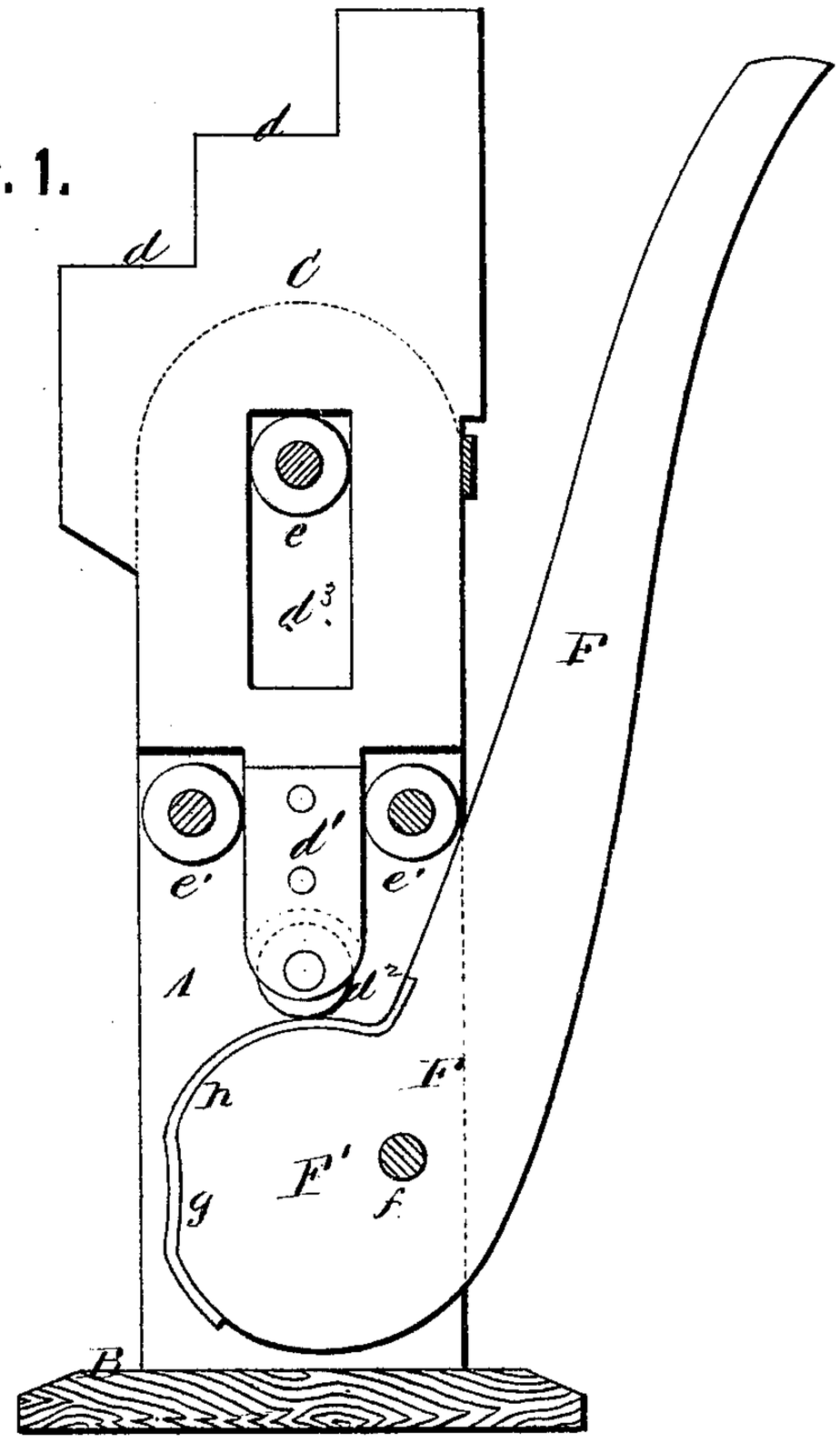


Fig. 2.



WITNESSES.

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126,286

UNITED STATES PATENT OFFICE.

WILLIAM H. GREENWALT, OF STRICKERSVILLE, PENNSYLVANIA.

IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. 126,286, dated April 30, 1872.

To all whom it may concern:

Be it known that WILLIAM H. GREENWALT, of Strickersville, in the county of Chester and State of Pennsylvania, has invented a new and valuable Improvement in Carriage-Jacks; and he does hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical longitudinal section of my invention. Fig. 2 is a front view of the same.

This invention has relation to carriage-jacks; and consists in the construction and novel arrangement of the lifting-lever, vertically-moving post, and anti-friction rollers, as hereinafter described.

Referring to the accompanying drawing, A A represent two parallel uprights, secured to a sill, B, and supporting between them the operative devices of the jack. C designates a vertically-movable post, constructed with the steps or offsets d to receive the carriage-axle, the depending arm d^1 holding the anti-friction roller d^2 and the vertical slots d^3, through which passes the pin that keeps the post C in place, and which is provided with an anti-friction roller e. e' represents other anti-friction rollers arranged on either side of the depending arm d^1, and adapted to guide the same. F designates the lifting-lever, constructed with rounded head F′ eccentrically pivoted. The edge of said lever-head is in contact with the roller d^2, so that when the arm of the lever is lowered the post C is raised. At a point furthest distant from the pivot f a concave depression, g, is made in the edge of the lever-head, into which the roller d^2 falls when the post C is raised to its highest position. The object of this depression is to lock the lever and post. When the roller d^2 is in the notch g the weight upon the post can have no effect on the movement of the lever. To prevent wear the edge of the lever-head should be covered by a strip of metal, h.

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

1. The lever F, having the eccentric head F′ with notch g, in combination with the sliding post C having the anti-friction roller d^2, substantially as and for the purpose specified.

2. The combination of the post C having the slot d^3 and depending arm d^1 with the anti-friction rollers e e' d^2 and eccentric lever F, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM H. GREENWALT.

Witnesses:

GEO. H. WATSON,

WM. H. SIMPERS.