

C. H. Paine, Carriage Jack.

No 73,992.

Patented Feb. 4. 1868.

Fig. 3.

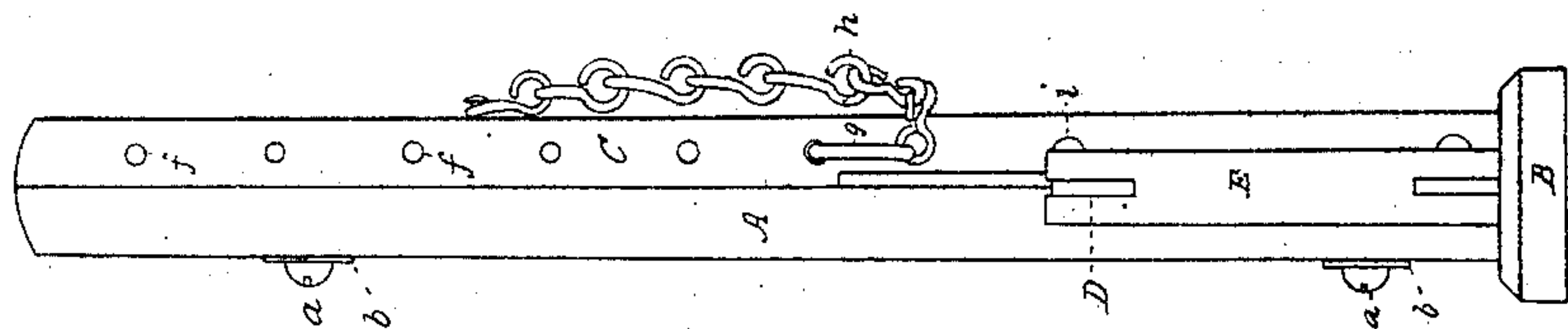


Fig. 2.

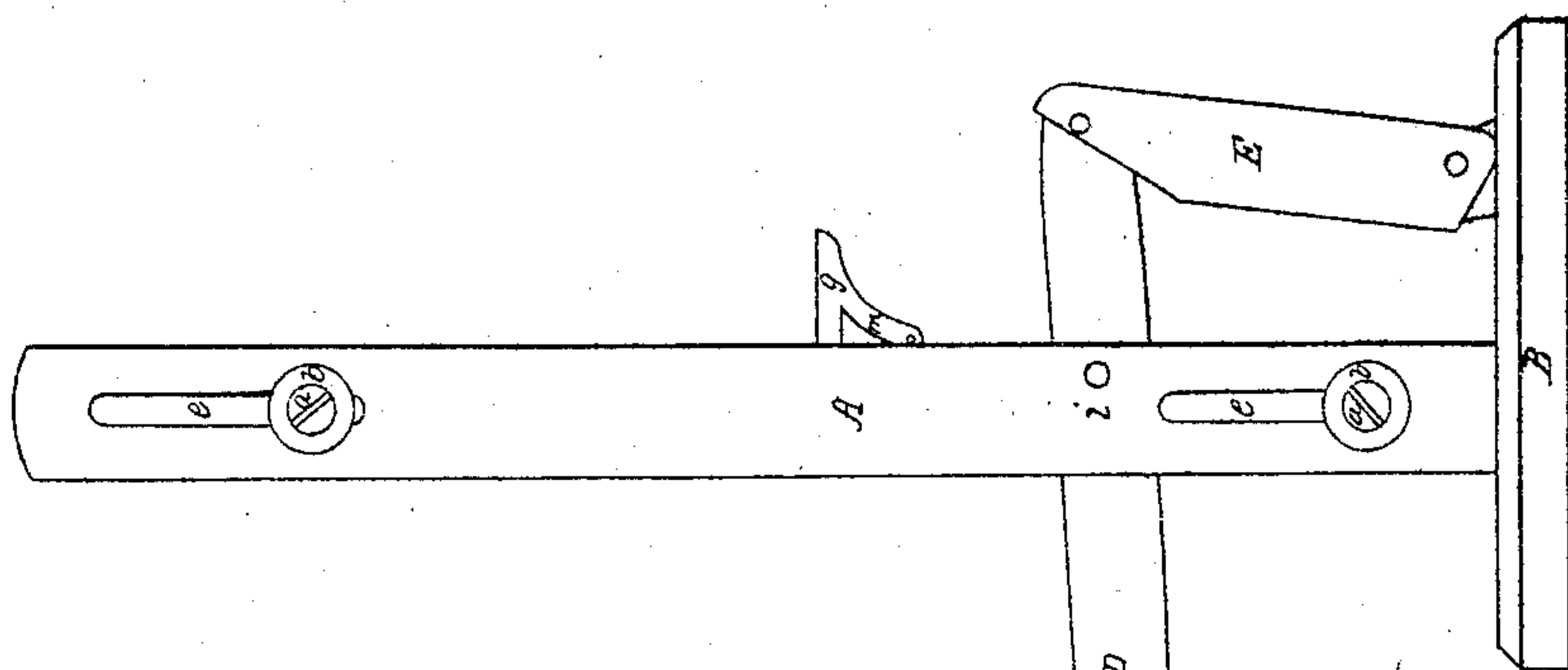
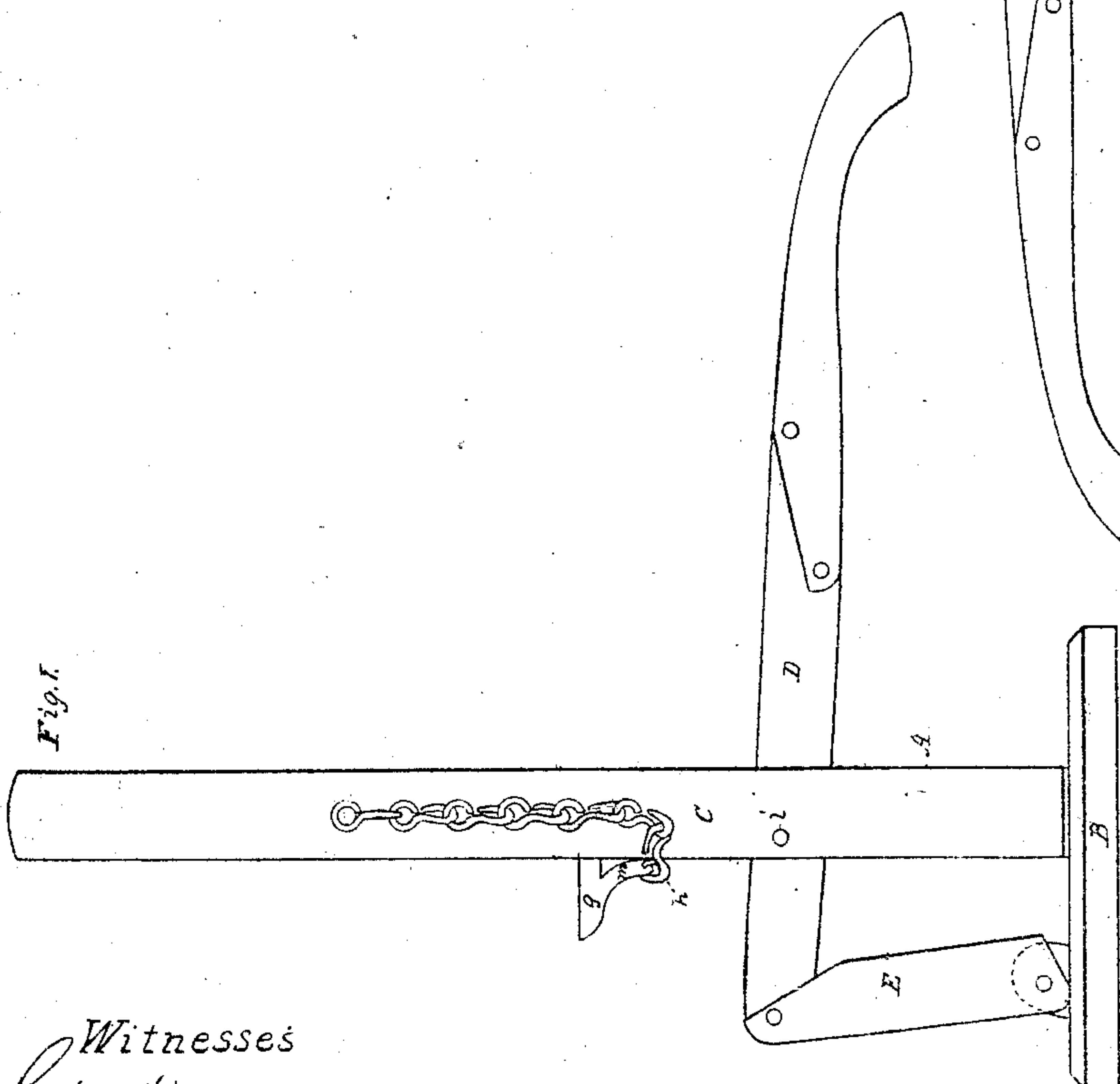


Fig. 1.



Witnesses
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by his attorney
R. H. Ledy

United States Patent Office.

CALVIN H. PAINE, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO HIMSELF AND GEORGE S. THOMPSON, OF THE SAME PLACE.

Letters Patent No. 73,992, dated February 4, 1868.

IMPROVED CARRIAGE-JACK.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, CALVIN H. PAINE, of the city and county of Providence, and State of Rhode Island, have invented an Improved Carriage-Jack; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a front, and

Figure 2 a rear elevation of it.

Figure 3 is an edge view of it.

In such drawings, A denotes a standard or post, erected on a base-board or plank, B. Against the front face of the post A is a bar, C, held to the standard by means of screws, *a a*, and washers, *b b*, the said screws going through slots, *e e*, made in the post, the whole being so as to allow the bar C to play or slide vertically against the post. The said bar has a series of holes, *f f*, made in it from its edge. A pin, *g*, connected with the bar by means of a chain, *h*, is to be placed in either of such holes. A lever, D, arranged with respect to the standard and bar, in manner as represented, is jointed at its end to a toggle, E, whose lower end is hinged to the base-board. The lever is also connected to the bar by a joint-pin, *i*, the same being so that when the longer arm of the lever is in the act of being raised, its shorter arm and the toggle will operate as a pair of toggles or knuckle-joints, to effect the elevation or forcing upward of the bar.

In using the jack, the pin *g* is to be placed underneath the axle of the carriage to be raised, when the bar is in its lowest position. This having been done, it will only be necessary to pull up the longer arm of the lever, in order to effect the raising of the axle. The pin *g* may be provided with a brace, *m*, to extend from it, and against the bar, in manner as represented, such being to support the pin, or prevent it from being bent under the weight of the axle or carriage.

One great advantage possessed by this jack is, that the power applied to operate its lever acts upon its longer arm, so as to lift it. This enables manual power to be applied with the best useful effect. When the lever is in its highest position, it will be about in line with the toggle, which, by bringing up against the standard and bar, will retain the bar in its elevated state.

I claim the arrangement and combination of the lever D and toggle E, with the slide bar C and the base-board B, applied to the standard A, substantially as specified.

I also claim the pin *g*, as made with the brace or arm *m* extended from it as set forth.

CALVIN H. PAINE.

Witnesses:

R. H. EDDY.

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