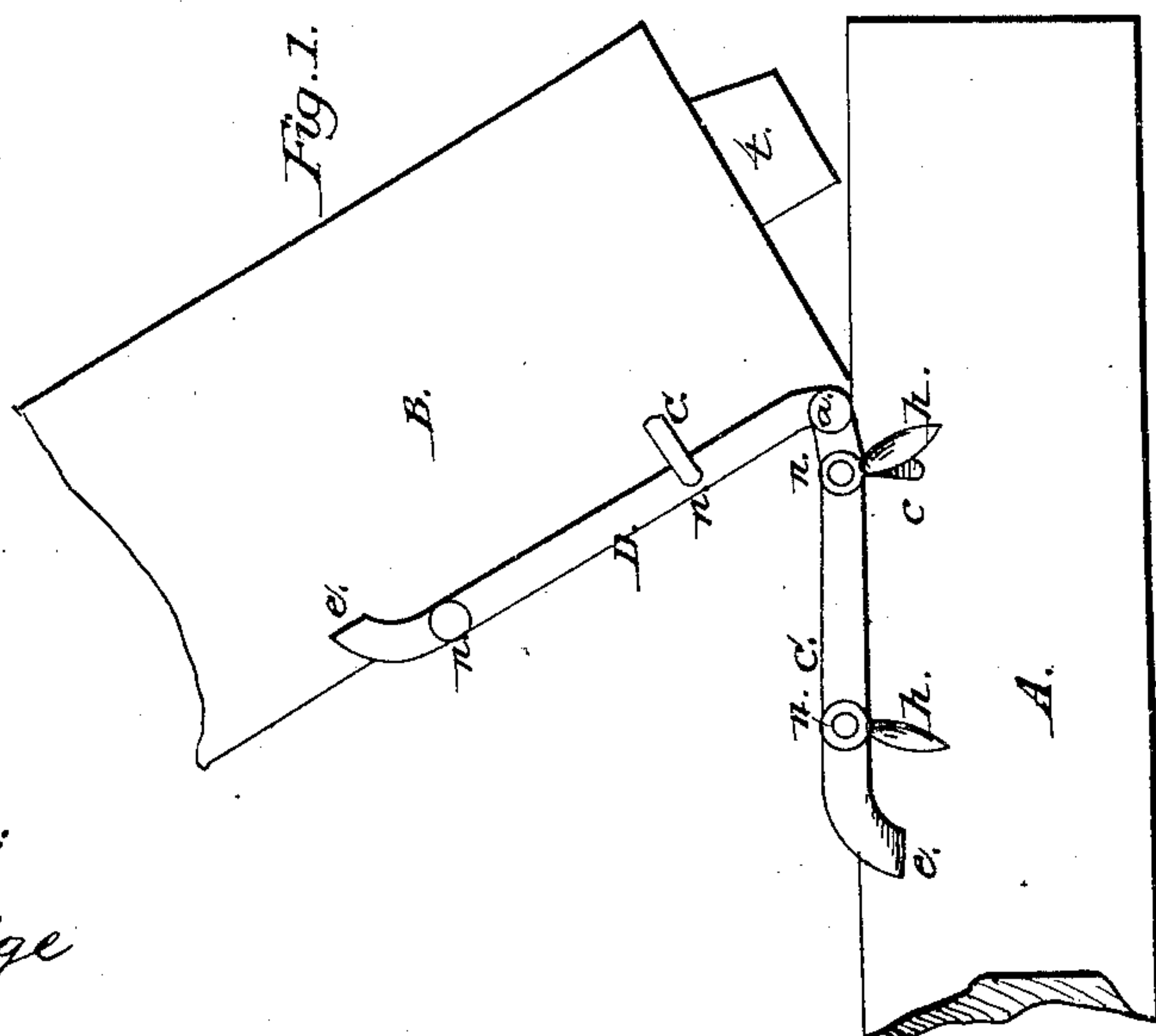
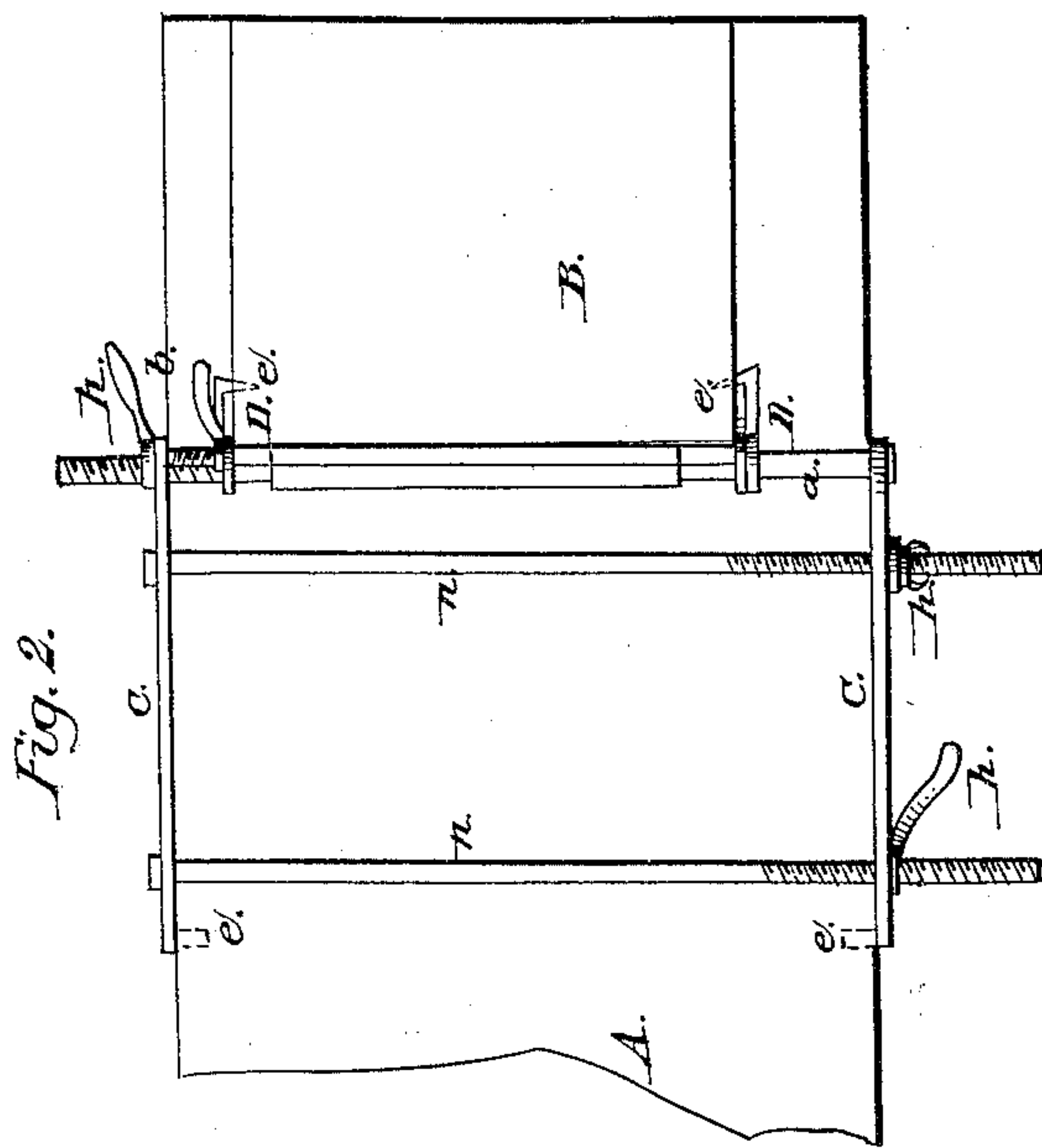


Ford & Weible.

Constructing Houses.

N^o 61,332.

Patented Jan. 22, 1867.



Witnesses:
P. J. Dodge

Inventor:
E. G. Ford
&
H. Weible
per W. C. Dodge
attorney's,

United States Patent Office

E. G. FORD AND H. WEIBLE, OF DELPHOS, OHIO, ASSIGNORS TO E. G.
AND J. G. FORD.

Letters Patent No. 61,332, dated January 22, 1867.

IMPROVED CLAMP FOR RAISING TIMBER FRAMES.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, E. G. FORD and H. WEIBLE, of Delphos, in the county of Van Wert, and State of Ohio, have invented certain new and useful improvements in a device for use in Raising Timbers in Frames; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use our invention we will proceed to describe it.

Figure 1 is a side view; and

Figure 2, a top plan view, representing the device in operation.

In raising timber frames it is necessary to hold the foot of the post or upright timbers of the frame in place to prevent them from slipping when force is applied to raise the opposite end and bring it into an upright position. This is usually done by a person holding against the foot of the post with a crowbar, thus necessitating a person at each post; and frequently the bar slips, allowing the post to slip out of position, and thereby producing serious accidents.

Our invention consists of an adjustable, jointed, metal clamp, to be attached to the post and the timber on which it rests, and thus hold the foot of the post while being raised.

Our clamp consists of two bars, C, having their outer ends curved downward, and provided with points *e*, projecting inward, as represented in fig. 2. These bars are connected by bolts *n*, provided at one end with a screw-thread and hand-nuts *h*. This part of the clamp is hinged at its inner end to a similar frame, consisting of the two bars D, having similar points, *e*, and connected by bolts *n* with nuts *h*, like those already described. Any number of spurs or hooks, *c*, may be attached to the bars C D and arranged to hook into the sides of the timber A and the post B, as shown in fig. 1, to give them a firm hold on the timbers. A bolt, *a*, serves to unite the two parts of the clamp, and the bars D are arranged to move laterally on this bolt, *a*, so that they can be adjusted laterally to suit any width of post.

To use the device the bars C are first secured to the timber A, as represented in the drawings, and the nuts *h* are screwed up so as to force the points *e* into the timber and give it a firm hold thereon. In placing the clamp care must be taken to locate it at a distance from the mortise in the timber A, equal to the width of the shoulder between the inner edge of the tenon *t* and the inside face of the post B, so as to bring the tenon directly into the mortise when the post is raised to an upright position. The clamp being thus secured to the timber A the bars D are folded over back on the other part and the post laid thereon, when it is also tightened up by means of its nuts *h*. The clamp being thus secured to both the timber A and post B, the latter is then raised by any suitable means to an upright position, the clamp serving to hold the foot of the post securely in place and prevent it from slipping in either direction. By the use of these clamps a less number of persons are required, and the work is more securely and safely accomplished.

It is obvious that they may be made of any desired size and strength, and that one will be required at the foot of each post in a "bent." By cutting the screw-thread for a considerable distance on the bolts *n*, as represented, the clamp may be adjusted to any sized timber as required. The bolt *a* has an extra hand-nut, *b*, as shown in fig. 2, placed inside of the bar C for the purpose of adjusting the bars D to a different-sized timber or post, as represented in the drawings, independent from the adjustment of the parts C.

Having thus described our invention, what we claim, is—

The hinged bars C D, constructed and arranged to operate substantially as and for the purpose set forth.

E. G. FORD,
H. WEIBLE.

Witnesses:

C. C. MARSHALL,
C. W. FORD.