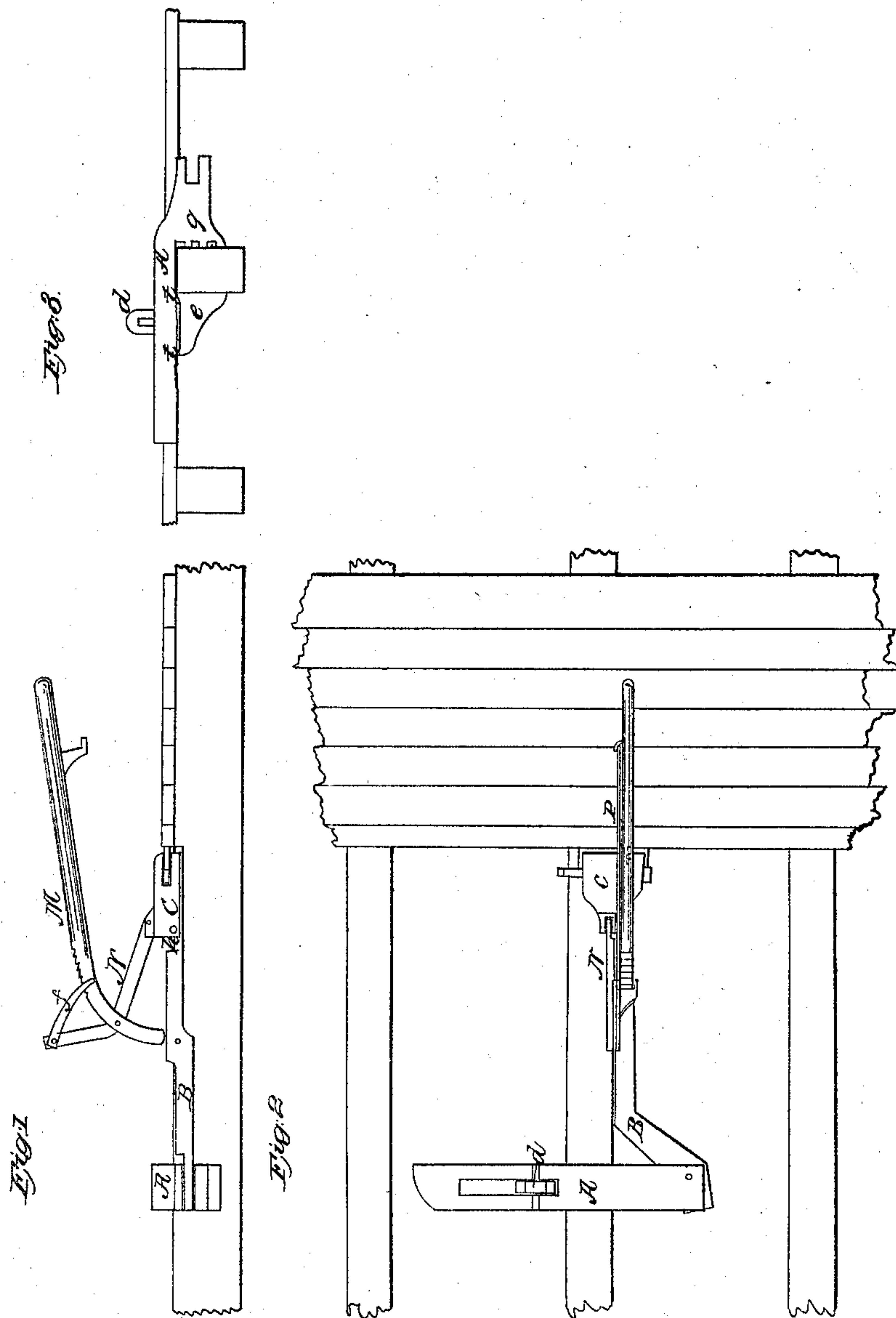


H. B. Gregg, Floor Clamp.

No. 58,167.

Patented Sep. 18, 1866.



Witnesses:
John P. Jacobs
W. H. Alexander

Inventor:
H. B. Gregg
Per J. H. Chapman atty

UNITED STATES PATENT OFFICE.

H. B. GREGG, OF CAMDEN, OHIO, ASSIGNOR TO HIMSELF AND JAMES GABEL, OF SAME PLACE.

IMPROVEMENT IN CLAMPS FOR PLANKING FLOORS.

Specification forming part of Letters Patent No. 58,167, dated September 18, 1866.

To all whom it may concern:

Be it known that I, H. B. GREGG, of Camden, Preble county, in the State of Ohio, have invented certain new and useful Improvements in Flooring-Presses; and I hereby declare that the following is a true, full, and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Figure 1 represents a side view of my press. Fig. 2 is a plan view of the same when placed in position. Fig. 3 gives a rear view of the clamp A.

My press consists of the clamp A, the bar B, and the adjustable press-block C. The clamp A is provided with the two jaws *e* and *g*, which are designed to embrace the joist firmly when the press is operated. One of the jaws, *g*, is cast solid with the main portion of the clamp A. The other jaw, *e*, is adjustable, and is constructed with the neck *d*, which penetrates a slot in clamp A, and is made secure by a wedge passing through it. As the slot is oblong the jaw *e* can be adjusted to suit the thickness of the joist that may be used.

In order to keep the adjustable jaw *e* from sliding, the under surface of clamp A is corrugated, (see Fig. 1,) and the upper surface of the jaw *e* is furnished with two transverse ridges, *t*, which are made to fit between the corrugations in clamp A, and thus keep the jaw *e* in position.

In the outer end of jaw *g* an opening is made to receive the end of bar B, which works on a pivot passing through *g*. B has an elbow in it, as seen in Fig. 2, and the portion of it that extends toward the press-block C is parallel with the side of the joist on which clamp A is fitted.

M represents a curved lever, the lower end of which is pivoted to bar B. The lever M is confined to the bar N by a bolt, which acts as its fulcrum, the lower end of bar N being pivoted to press-block C. To the upper end of bar N the pawl *f* is pivoted, *f* being designed to act on teeth cut in the upper surface of lever M.

Into the front edge of press-block C a deep groove is cut for the purpose of receiving a board of proper thickness, so that in operat-

ing the press-block the edge of the board will come in contact with the edge of the flooring. In order to regulate said board a wedge is inserted behind it to force it out beyond the jaws of press-block C.

In the under surface of the press-block C a groove is cut, which receives the metal guide *h*. The guide *h*, which is riveted to bar B, serves to keep the front edge of the press-block C parallel with the edge of the flooring.

For the purpose of regulating the pawl *f* the metal plate P is provided, and is pivoted at the same point with M, and extends out nearly to the end of M, where it is supported by a pin in the side of M.

The object of plate P is to raise and lower the pawl *f* at pleasure.

It will be observed that the face of the adjustable jaw *e* has several teeth near its front edge, and the face of jaw *g* has similar teeth near its back edge. These teeth are designed to press against the joist when the clamp A is a little in twist by the operation of the lever M.

In operating my press you will place the clamp A at the proper distance from the flooring, as seen in Fig. 2, and, having adjusted the jaws to one of the joists on which the flooring rests, then press downward on the end of lever M, when the press-block will come in contact with the edge of the flooring and force the joists together, which will be secured by being nailed. The clamp A will then be removed to another joist and the same process repeated until the work is finished.

Having thus described my machine, what I claim, and desire to secure by Letters Patent, is—

The clamp A, the bar B, the guide *h*, the press-block C, the lever M, the bar N, the pawl *f*, and the plate P, the whole constructed, arranged, and operating as and for the purpose herein described.

In testimony that I claim the foregoing I hereby affix my signature in the presence of two witnesses.

H. B. GREGG.

Witnesses:

A. STIVER,
W. FREEMAN.