

P. Hufeland,

Clamp.

No. 103466.

Patented May 24, 1870.

Fig. 1.

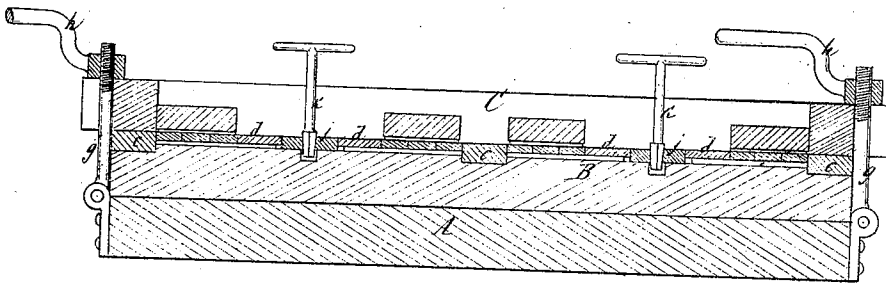


Fig. 2.

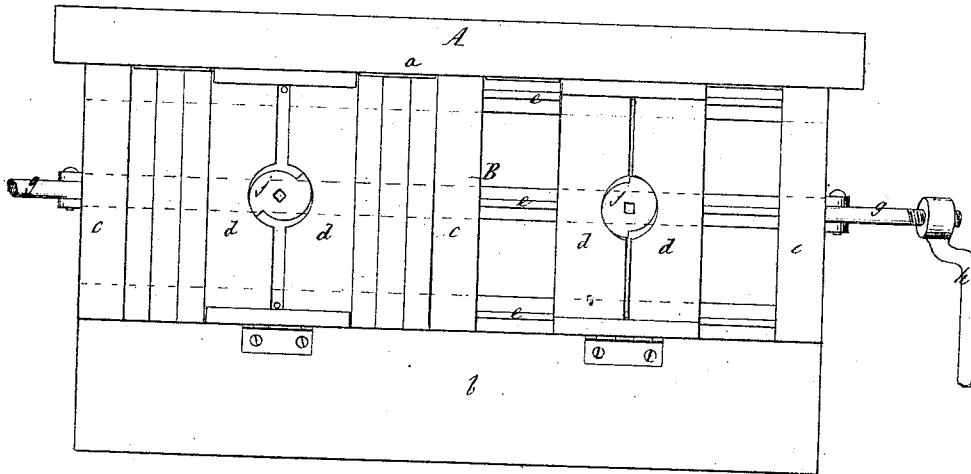
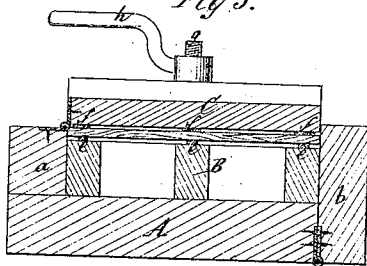


Fig. 3.



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PHILIP HUFELAND, OF NEW YORK, N. Y.

Letters Patent No. 103,466, dated May 24, 1870.

IMPROVEMENT IN STRIP-PRESS.

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, PHILIP HUFELAND, of the city, county, and State of New York, have invented a new and improved Strip-Press; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a longitudinal vertical section of this press when closed.

Figure 2 is a plan or top view of the same when open.

Figure 3 is a transverse section of the same when closed.

Similar letters indicate corresponding parts.

This invention relates to a press intended to facilitate the operation of glueing strips of wood together on their edges, said strips, after having been supplied at their edges with glue, being placed on a frame between a stationary abutment and a follower, while their ends are pressed up against a rim projecting from the platform supporting the frame. A pressing-flap, provided with elastic bearing-surfaces, is then locked down upon the strips, so as to hold the same flat down upon the receiving frame, and, by turning a suitable cam, the follower is caused to press against the edge of the outer strips, and to retain the strips in a compressed state until the glue has set.

In the drawing—

The letter A designates a platform, which is provided with a raised rim, *a*, on one and with a hinged flap, *b*, on the opposite side.

On this platform is placed a frame, B, which, when the flap *b* is turned up, fits nicely between the same and the rim *a*, and which is provided with one or more abutments, *c*, and one or more followers, *d*.

These followers are placed at such a distance from their abutments that room is left to introduce two or more strips of wood, which are glued together on their edges.

The length of these strips is equal to the width of the frame B, so that, when the frame is on the platform and the strips are adjusted on the frame, by turning up the flap *b* the ends of the strips are firmly pressed up against the raised rim *a*.

In order to provide an even bearing-surface for the strips, the frame B is furnished with three raised ribs, *e*, by preference made of metal.

To the rim *a* of the platform is hinged the pressing-flap C, which is provided with a series of elastic pads, *f*, so that, when said flap is turned down upon the strips, the pads will depress the same upon the ribs *e* of the frame B with a yielding pressure, said pads being so constructed that they can accommodate themselves to any irregularity existing in the thickness of the strips.

The pressing-flap is locked down by means of screws *g*, which are hinged to the ends of the platform A, and provided with lever-nuts *h*, and which, when turned up, can be made to catch in mortises *i* in the flaps, (see fig. 1.) By these means all the strips upon the frame can be held down with the requisite amount of pressure.

The followers *d* are subjected to the action of cams *j*, which revolve loosely on the cross-ties of the frame B, and which can be turned by suitable keys *k*. By turning these cams in the proper direction, the followers are moved toward their abutments *c*, and the strips situated between them, and their abutments are firmly compressed. In this state the frame B is taken out and put away until the glue has set, and in the mean time a new frame is put in, filled with strips and treated as above stated.

By referring to fig. 2 of the drawing, it will be seen that the frame B is provided with two cams, *j*, each of which actuates two followers, so that the frame is capable of receiving four sets of strips to be glued together. By these means the operation of glueing strips of wood together edgeways is materially facilitated, and much time and labor are saved.

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

1. The frame B, provided with one or more followers, *d*, and corresponding abutments *c*, in combination with the hinged flap *b* and pressing-flap C on the platform A, substantially as shown and described.

2. In combination therewith, the elastic pads *f* on the pressing-flap C, operating in the manner and for the purpose described.

3. The unattached double cam *j*, acting on the set of followers *d* in reverse order, in combination with frame B, hinged flap *b*, and pressing-flap C, substantially as described.

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