

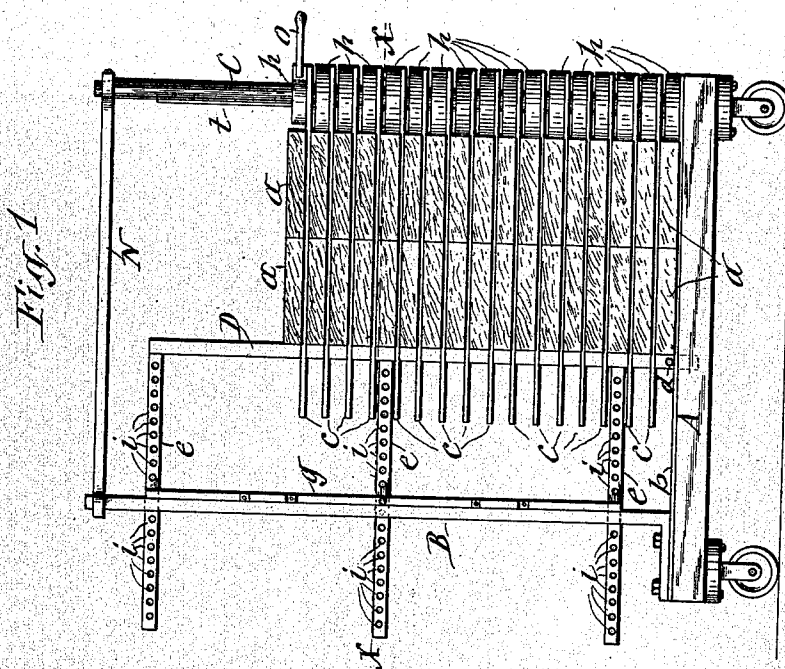
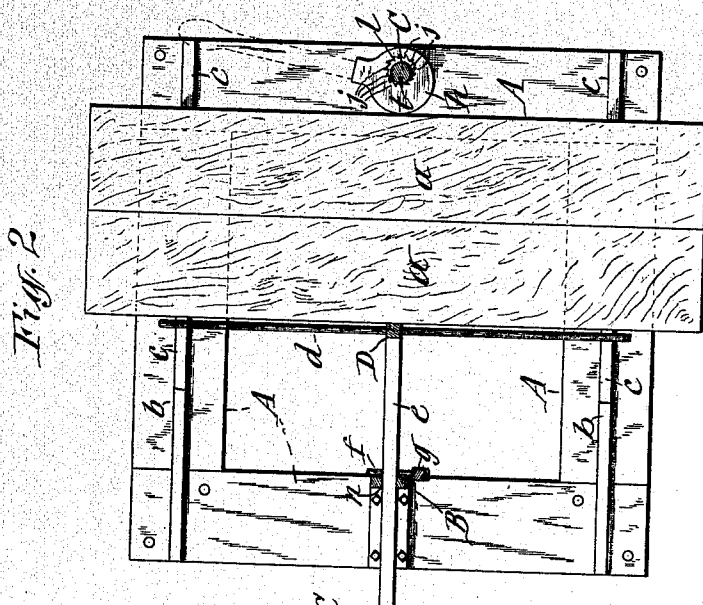
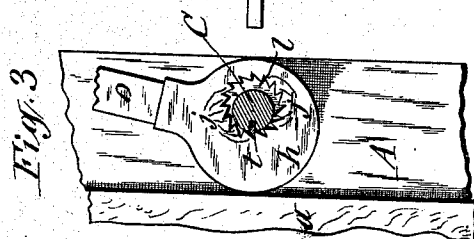
No. 716,288.

Patented Dec. 16, 1902.

P. SCHNEIDER.
LUMBER GLUING PRESS.

(Application filed June 14, 1902.)

(No Model.)



WITNESSES:

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LUMBER-GLUING PRESS.

SPECIFICATION forming part of Letters Patent No. 716,288, dated December 16, 1902.

Application filed June 14, 1902. Serial No. 111,594. (No model.)

To all whom it may concern:

Be it known that I, PETER SCHNEIDER, a citizen of the United States, and a resident of Oswego, in the county of Oswego, in the State of New York, have invented new and useful Improvements in Lumber-Gluing Presses, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the manufacture of lumber formed of boards or planks united by means of glue.

The object of the invention is to provide simple, inexpensive, and convenient means for expeditiously gluing the component parts of the lumber in the process of manufacturing said species of lumber in quantities; and to that end the invention consists in the novel construction of the gluing-press hereinafter described, and set forth in the claims.

In the annexed drawings, Figure 1 is a side elevation of said gluing-press. Fig. 2 is a horizontal transverse section on line X X in Fig. 1, and Fig. 3 is an enlarged plan view of the eccentric employed for applying pressure to one of the longitudinal edges of the lumber in the process of gluing it.

Similar letters of reference indicate corresponding parts.

A represents a platform for supporting the pile of lumber in the process of gluing it. B and C are two posts which are firmly erected respectively on the rear and front portions of said platform and receive between them the pile of lumber, (indicated at *aa*,) which in this instance is represented in the form of layers of boards placed side by side and with their glued edges abutting.

In piling the lumber in the glue-press the first layer is placed upon slats *b b*, extending across the platform A, and the succeeding layers are separated from each other by other interposed slats *c c* to prevent the said layers from becoming glued to each other in the operation of the press, as hereinafter described.

The posts B and C constitute the principal posts of the gluing-press and are provided with suitable clamping devices for applying pressure to opposite edges of the lumber in gluing the boards or component parts thereof together. The clamping device of the rear principal post B, I preferably form of an in-

intermediate post D, which is mounted on a rod *d*, disposed longitudinally upon the platform and movable laterally toward and from the principal post B. The intermediate post D has attached to it rigid rearwardly-extending arms *eee*, which pass through perforations *n* in the principal post B and are perforated, as at *ii*, for the reception of pins *f*, which engage the front face of the post B to limit the rearward movement of the intermediate post D. The plurality of perforations *ii* in the arms *e* allow the post D to be adjusted in its position to bear on the rear edges of the lumber while pressure is applied to the front edges thereof. All of the pins *fff* are attached to a vertical bar *g*, by means of which said pins can be withdrawn simultaneously from the arms *eee* to allow the post D to freely move toward the principal post B in the operation of relieving the lumber from pressure at the end of the gluing process. The clamping devices on the front principal post C, I preferably form of eccentrics *h h h*, which are provided with enlarged eyes *l*, through which passes the post C, as more clearly shown in Fig. 3 of the drawings. The said post has affixed to it a spline or tongue *t*, extending from the bottom of the post nearly to the upper end thereof. The enlarged eye *l* of each eccentric is provided with notches *jj*, one of which is caused to engage the spline *t* by lateral pressure exerted on the eccentric when turned to bear on the edge of the lumber, as illustrated in Figs. 2 and 3 of the drawings. Said engagement of the spline retains the eccentric in its engagement with the lumber. Each of the eccentrics is formed with a suitable socket for the reception of a lever *o*, by which to turn it, as aforesaid.

In the operation of the described gluing-press the post D is placed and secured in proper position to allow the lumber to be piled against the front thereof. Then the first layer of lumber with glue applied to the joining edges thereof is placed upon the bottom slats *b b* and the lowermost eccentric *h* is turned to press against the front edge of said layer, while the post D presses on the rear edge of the layer, which pressure causes the glued edges to be closely united. After the first layer of lumber is thus clamped in the glue-press the slats *c c* are placed across said layer

and the second layer *a* is placed upon said slats and the second eccentric *h* is turned to apply pressure to the front of said second layer of lumber. In this manner the successive
 5 layers of lumber and intervening slats are placed in the press and are clamped by the eccentrics adjusted to engage the respective layers of lumber. After the completion of the gluing of the lumber in the press the pins
 10 *f* are withdrawn from the arms *e e* by means of the bar *g*. This allows the post *D* to be removed from the glued pile of lumber and the layers *a a* to be removed in succession from the press.

15 Having described my invention, what I claim is—

1. A lumber-gluing press comprising a platform for supporting a pile of lumber, posts on the front and rear portions of said platform and disposed to receive the lumber between them, and clamping devices sustained adjustably on said posts and disposed to bear on the edges of the lumber piled between the posts as set forth.

25 2. A lumber-gluing press comprising a platform for supporting a pile of lumber, posts on the front and rear portions of said platform and disposed to receive the lumber between them, clamping devices on said posts and disposed to bear on the edges of the lumber, and spacing-slats adapted to be inserted between the layers of lumber as set forth.

30 3. A lumber-gluing press consisting of a platform for supporting the lumber, posts erected on said platform and disposed to receive the lumber between them, eccentrics pivotally connected to one of said posts and adjustable to bear on the edges of the lumber, and means for turning said eccentrics as set
 40 forth.

4. In a lumber-gluing press, the combination with a platform for supporting a pile of lumber, and a post erected on said platform to sustain the rear edges of the pile of lumber, of a cylindrical post erected on the front portion of the platform and having a spline projecting from it, eccentrics provided with enlarged eyes receiving through them said cylindrical post and notched for engaging the

spline, and means for turning said eccentrics to press on the edges of the lumber as set forth and shown.

5. A lumber-gluing press consisting of a platform for supporting a pile of lumber, two principal posts erected on the front and rear portions of said platform, an intermediate post adjustably connected to one of the principal posts to bear on the edges of the lumber at one side of the pile, and separate clamping devices connected to the other of said principal posts and disposed to bear on the edges of the lumber at the opposite side of the pile as set forth.

6. A lumber-gluing press consisting of a platform for supporting a pile of lumber, two principal posts erected on the front and rear portions of said platform, an intermediate post adjustably connected to one of the principal posts to bear on the edges of the lumber at one side of the pile, separately-operating clamping devices connected to the other of said principal posts and disposed to bear on the edges of the lumber at the opposite side of the pile, and spacing-slats adapted to be introduced between the layers of lumber as set forth.

7. A lumber-gluing press consisting of a platform for supporting a pile of lumber, a principal post erected on the rear portion of said platform and perforated at different parts of its height, a rod disposed longitudinally and movable laterally upon the platform, a post mounted on said rod, perforated horizontal arms attached to the latter post and passing through perforations of the principal post, pins inserted removably in the perforations of said arms, a bar attached to said pins for moving them simultaneously, a principal post erected on the front portion of the platform, clamping devices adjustably connected to said front principal post and disposed to bear on the edges of the lumber, and spacing-slats adapted to be introduced between the layers of lumber as set forth.

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