

I. Newin,
Floor Clamp.

No. 111,500.

Patented Feb. 7. 1871.

Fig. 1.

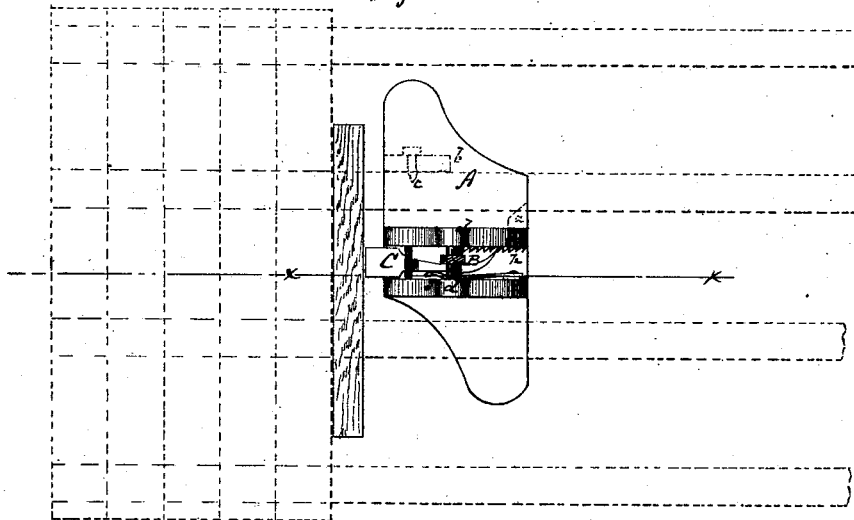


Fig. 2.

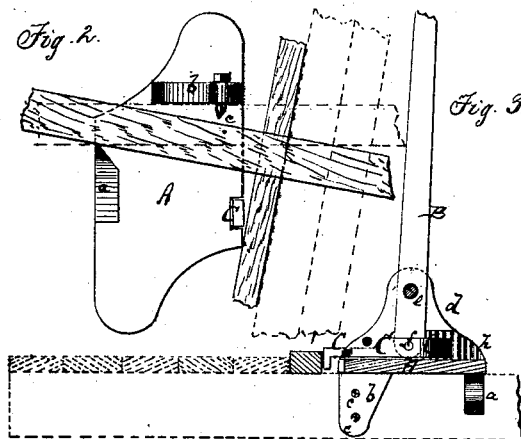


Fig. 3.

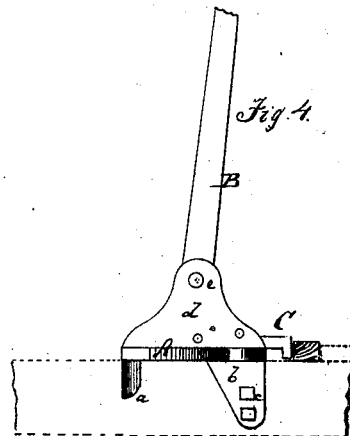
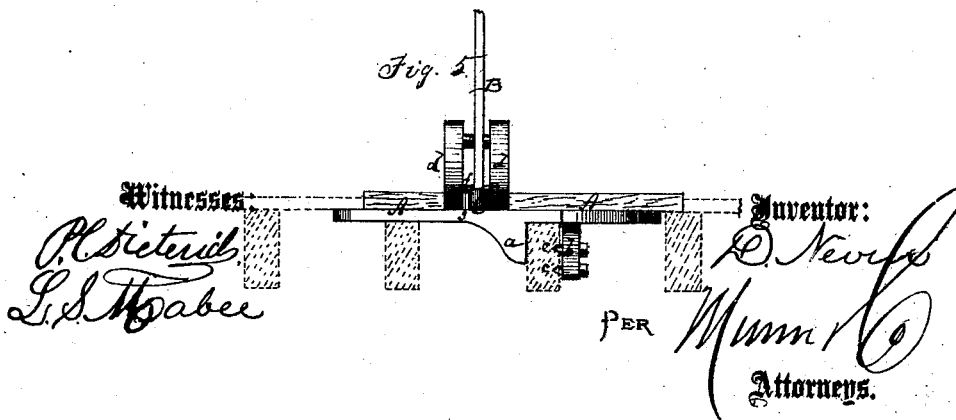


Fig. 4.

Fig. 5.



UNITED STATES PATENT OFFICE.

DAVID NEVIN, OF GEORGETOWN, COLORADO TERRITORY.

IMPROVEMENT IN FLOOR-CLAMPS.

Specification forming part of Letters Patent No. **111,560**, dated February 7, 1871.

To all whom it may concern:

Be it known that I, DAVID NEVIN, of Georgetown, in the county of Clear Creek and Territory of Colorado, have invented a new and Improved Flooring-Clamp; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a plan or top view of my improved flooring-clamp. Fig. 2 is an inverted plan view of the same. Fig. 3 is a vertical section through the same, taken on the plane of the line *xx*, Fig. 1. Fig. 4 is a side view, and Fig. 5 a front view, of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new implement for pressing boards together before nailing the same to the floor-beams.

The invention consists in a new construction of stock, which is made self-fastening to the beams, and in the connection therewith of a sliding spring-clamp and operating-lever, all arranged as hereinafter more fully set forth.

A in the drawing represents the stock of my improved flooring-clamp. It is made of cast metal, in form of a plate, of suitable shape. From its under side project two lugs, *a* and *b*, of which one, *a*, is parallel with the straight front edge of the plate A, while the other, *b*, is at right angles thereto. The lug *a* is arranged under the back portion of the plate A, and has that edge which is faced by the lug *b* sharpened, as in Fig. 2. The lug *b* contains one or more set-screws, *c*, which are fitted through it, as shown, and pointed at their inner ends.

From the upper face of the plate A project two ears, *d d*, between which the clamping-lever B is pivoted by a pin, *e*.

The lower end of the lever B is, by a pin, *f*, connected with the clamping-jaw C, which is a bar placed between the ears *d* upon the plate A.

A spring, *g*, is placed against one side of the jaw C, and holds its inner end against a rack, *h*, which is formed at one ear, *d*, as in Fig. 1.

The lever B is so pivoted that it may have a slight lateral play to throw the jaw C clear of the rack.

The operation is as follows: The plate A is placed upon a beam to straddle the same with the lugs *a* and *b*. The screws *c* are so set that their points are in a plane nearer to that of the edge of *a* than the beam is wide. The device will, therefore, be applied to the beam obliquely, as in Fig. 2. But as, by the lever B, the jaw is forced against the flooring, it will, since it is in line with the lug *a*, at first shift the plate A on the beam, by forcing the edge of *a* into the same until the motion of the jaw is parallel to the direction of the beam. The clamp is then firmly established, and acts solely against the flooring. By the screw *c* the device can be adjusted to beams of different width.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The flooring-clamp consisting of the plate A, lugs *a b*, screw *c*, lever B, and jaw C, all applied to operate substantially as herein shown and described.

DAVID NEVIN.

Witnesses:

LEMUEL F. YATES,
CHAS. W. POLLARD.