

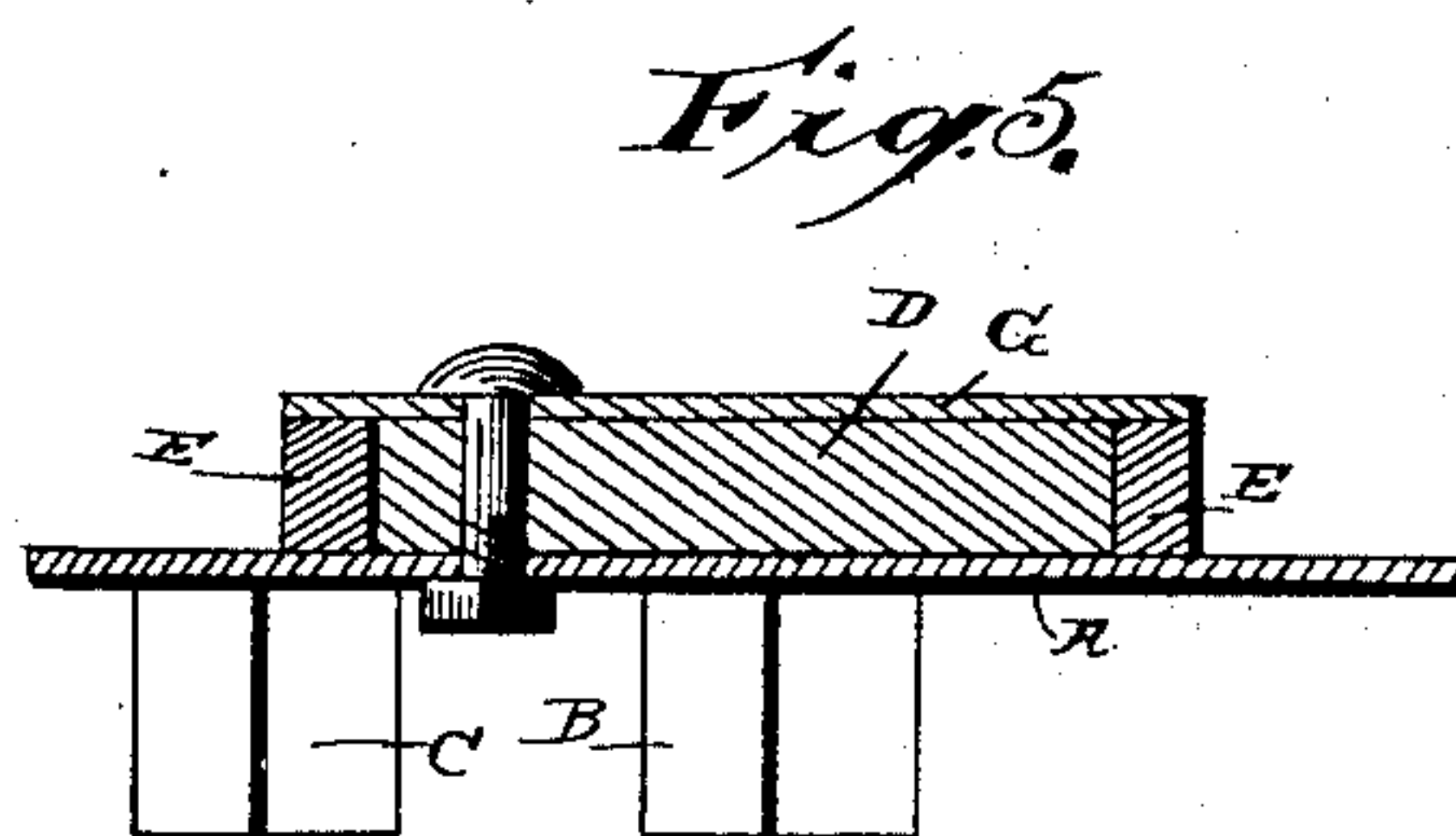
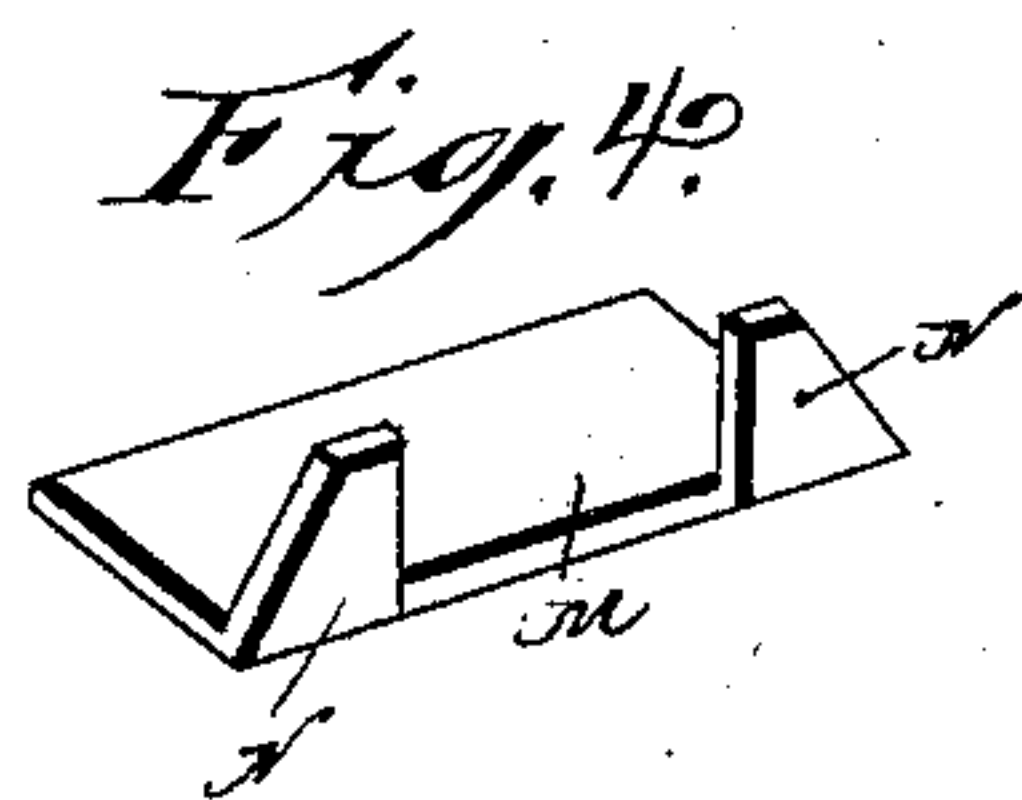
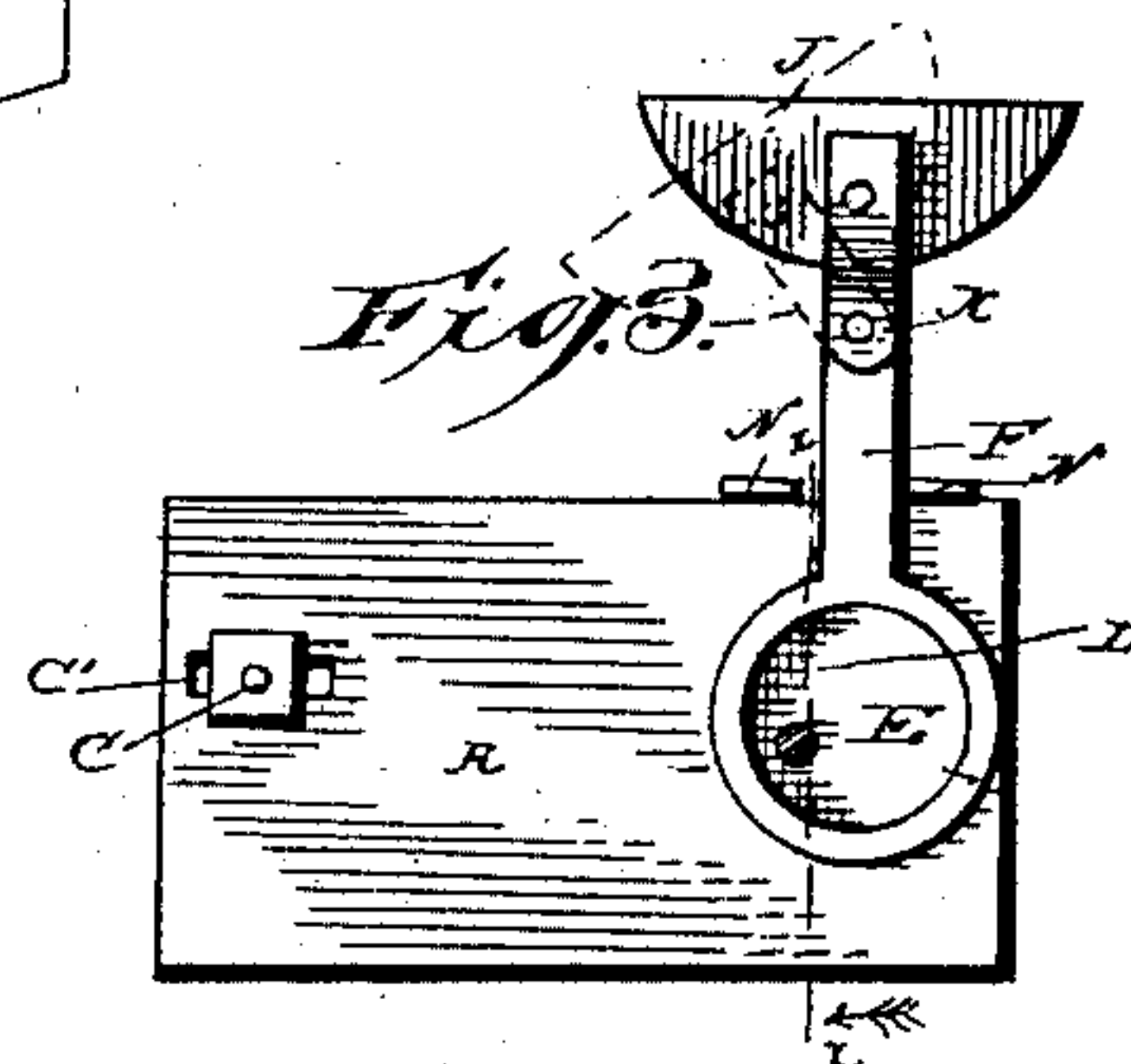
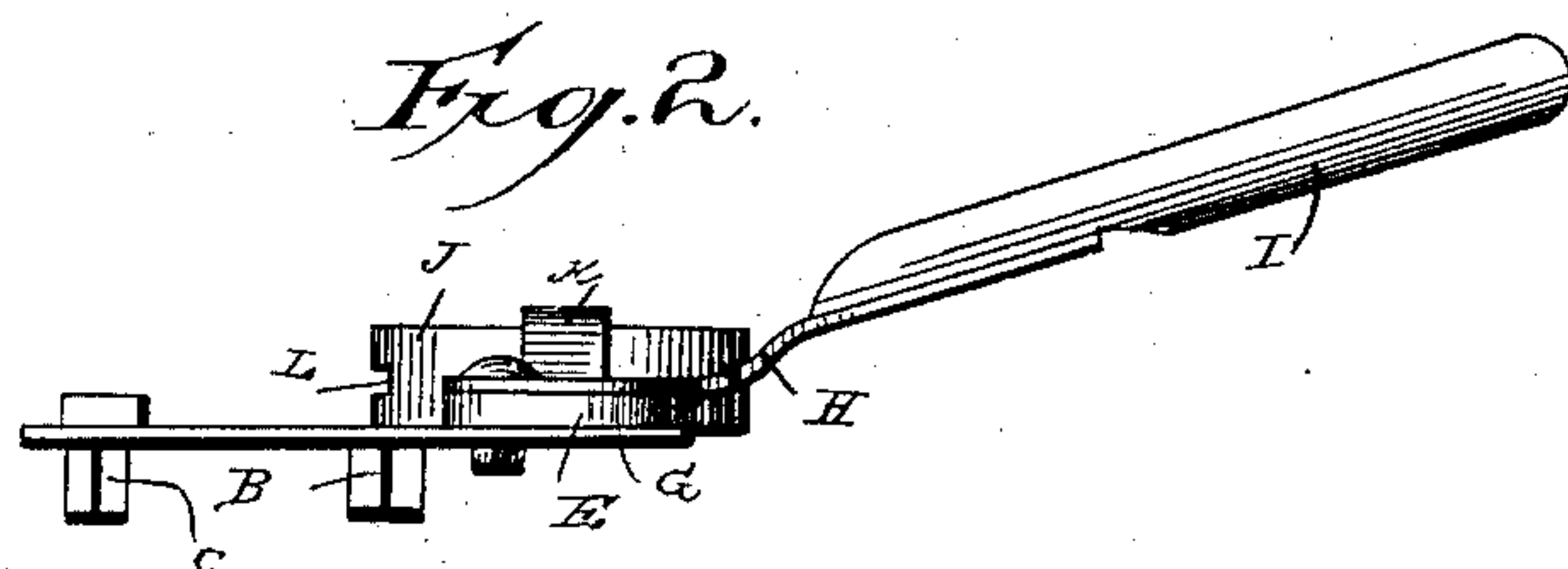
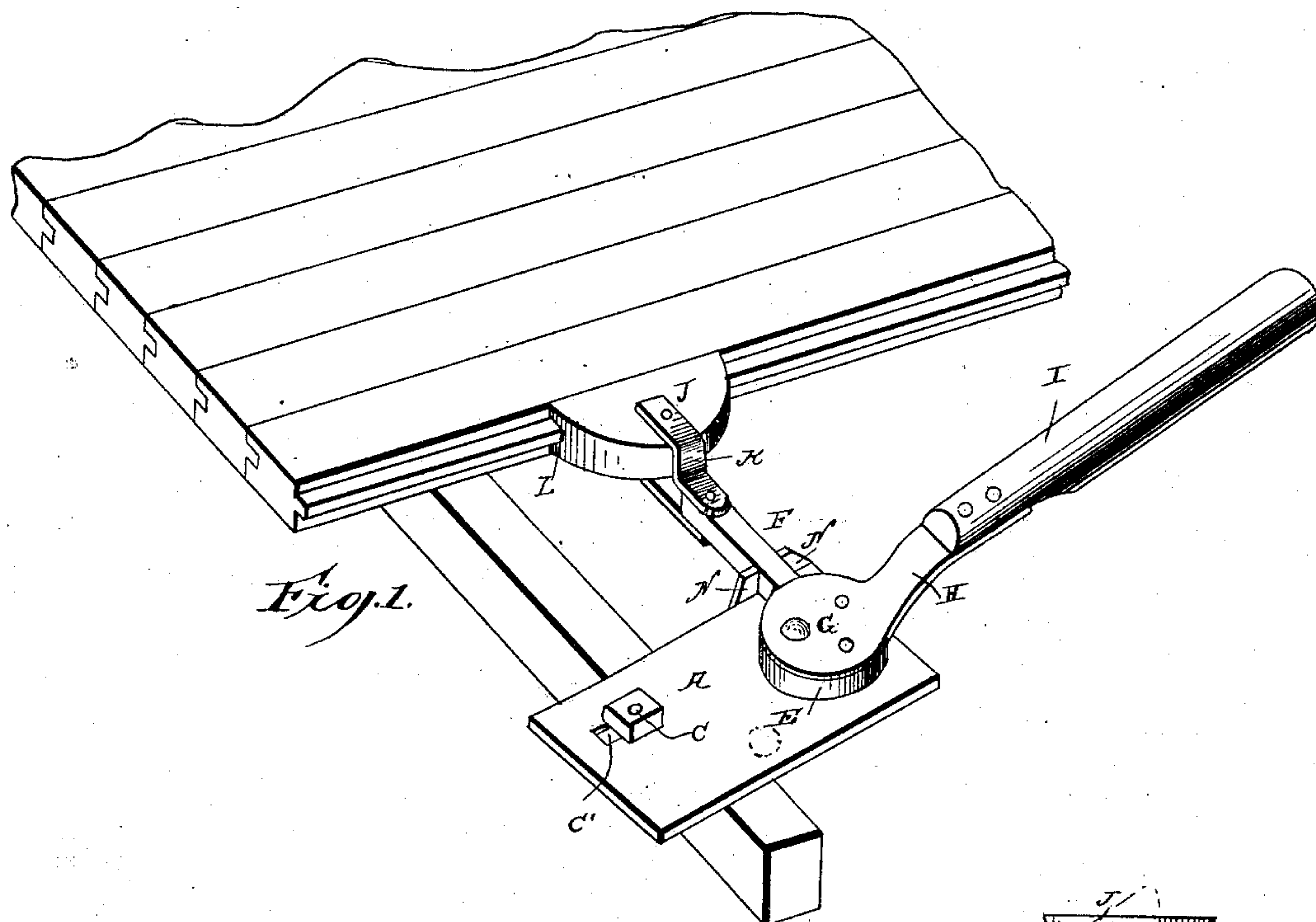
(No Model.)

J. F. BROWN & G. F. EDGINGTON.

FLOOR CLAMP.

No. 371,169.

Patented Oct. 11, 1887.



Witnesses.

Henry E. Dietrich
R. W. Bishop.

Inventors

J. F. Brown
L. S. Edgington

By their Attorneys

C. A. Munk

UNITED STATES PATENT OFFICE.

JOSEPH FREEMAN BROWN AND GEORGE FRANCIS EDGINGTON, OF
PLEASANT CORNERS, OHIO.

FLOOR-CLAMP.

SPECIFICATION forming part of Letters Patent No. 371,169, dated October 11, 1887.

Application filed June 8, 1887. Serial No. 240,612. (No model.)

To all whom it may concern:

Be it known that we, JOSEPH FREEMAN BROWN and GEORGE FRANCIS EDGINGTON, citizens of the United States, residing at Pleasant Corners, in the county of Franklin and State of Ohio, have invented a new and useful Improvement in Floor-Clamps, of which the following is a specification.

Our invention relates to improvements in devices for tightening up flooring, weather-boarding, &c., before being nailed; and it consists in certain novel features, hereinafter described, and then pointed out in the claims.

In the annexed drawings, which fully illustrate our invention, Figure 1 is a perspective view showing the device in operative position. Fig. 2 is an elevation of the device. Fig. 3 is a plan view with the handle or operating-lever removed. Fig. 4 is a perspective detail view of the guide for the presser-arm; and Fig. 5 is a sectional view, enlarged, on line *x x*, Fig. 3.

Referring to the drawings by letter, A designates a base-plate of any suitable size and shape, and made from any material which will combine lightness with the necessary strength. On its under side this base-plate is provided with a depending stud, B, and this stud, in connection with a bolt, C, passed through a slot, C', is intended to hold the device in operative position on a joist. As shown in Fig. 1, the stud is out of line with the bolt. The bolt C, being passed through a slot, C', can be adjusted to and from the stud B, so as to hold the device upon a joist of any thickness. Near one end of the base-plate, on the upper surface of the same, we pivot the cam D, which is surrounded by a ring or yoke, E, having the presser-arm F extending therefrom and formed integral therewith. To the upper surface of the cam we secure the plate G, having the upturned extension H, to which the handle or operating-lever I is secured. The presser-arm F extends past the side of the base-plate, and has the presser-foot J pivotally connected to its end by means of the plates K, having one end rigidly secured to the presser-foot and the other end pivotally connected to the end of the presser-arm. The outer edge of the presser-foot is provided with a groove, L,

adapted to fit over the tongue on the edge of the board to be pressed into position. The presser-arm is guided in its movements by the guide-plate M, which is secured to the under side of the base-plate in any desired manner, and is provided at its ends on one edge with the upturned ears N, which project past the edge of the base-plate and on opposite sides of the presser-arm.

From the foregoing description it is thought the operation of our device will be readily understood. The base-plate is rested on the joist, with the stud B and bolt C bearing against opposite sides of the same, and this bolt and stud are made angular, as shown, so as to prevent the slipping of the device when in operation. The presser-foot is placed in proper position against the board to be pressed into place, and the operating-lever turned so as to rotate the cam and cause it to force the presser-foot against the board and press the same into place.

It will be observed that our device is extremely simple and can be manufactured at a slight cost, that it can be quickly applied to and removed from the joist upon which it is designed to rest, and that it can be readily adjusted to joists of different thicknesses.

By having the presser-foot pivotally connected to the end of the presser-arm the presser-foot is held squarely against the board whatever be the inclination of the presser-arm.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination of the base-plate provided with means for securing it in position, the cam pivoted upon the base-plate, the presser-arm actuated by said cam, and the operating-lever secured to the cam, substantially as set forth.

2. The combination of the base-plate provided with means for securing it upon the joist, the cam pivoted on the base-plate, the operating-lever secured to the cam, the presser-arm actuated by the cam, and the presser-foot pivotally secured to the outer end of the presser-arm, substantially as specified.

3. The combination of the base-plate, the

cam pivoted thereon, the lever secured to the
cam, the presser-arm actuated by the cam, the
presser-foot secured to the end of the presser-
arm, and the guide-plate secured to the base-
5 plate and having the upturned ears on oppo-
site sides of the presser-arm, substantially as
described and shown.

In testimony that we claim the foregoing as

our own we have hereto affixed our signatures
in presence of two witnesses.

JOSEPH FREEMAN BROWN.
GEORGE FRANCIS EDGINGTON.

Witnesses:

W. B. ALBRIGHT,
RICH'D. T. CLARKE.