

No. 701,784.

Patented June 3, 1902.

B. F., C. B. & C. D. ARNOLD.
KEYING CLAMP FOR FLOORING OR SIDING.

(Application filed Sept. 16, 1901.)

(No Model.)

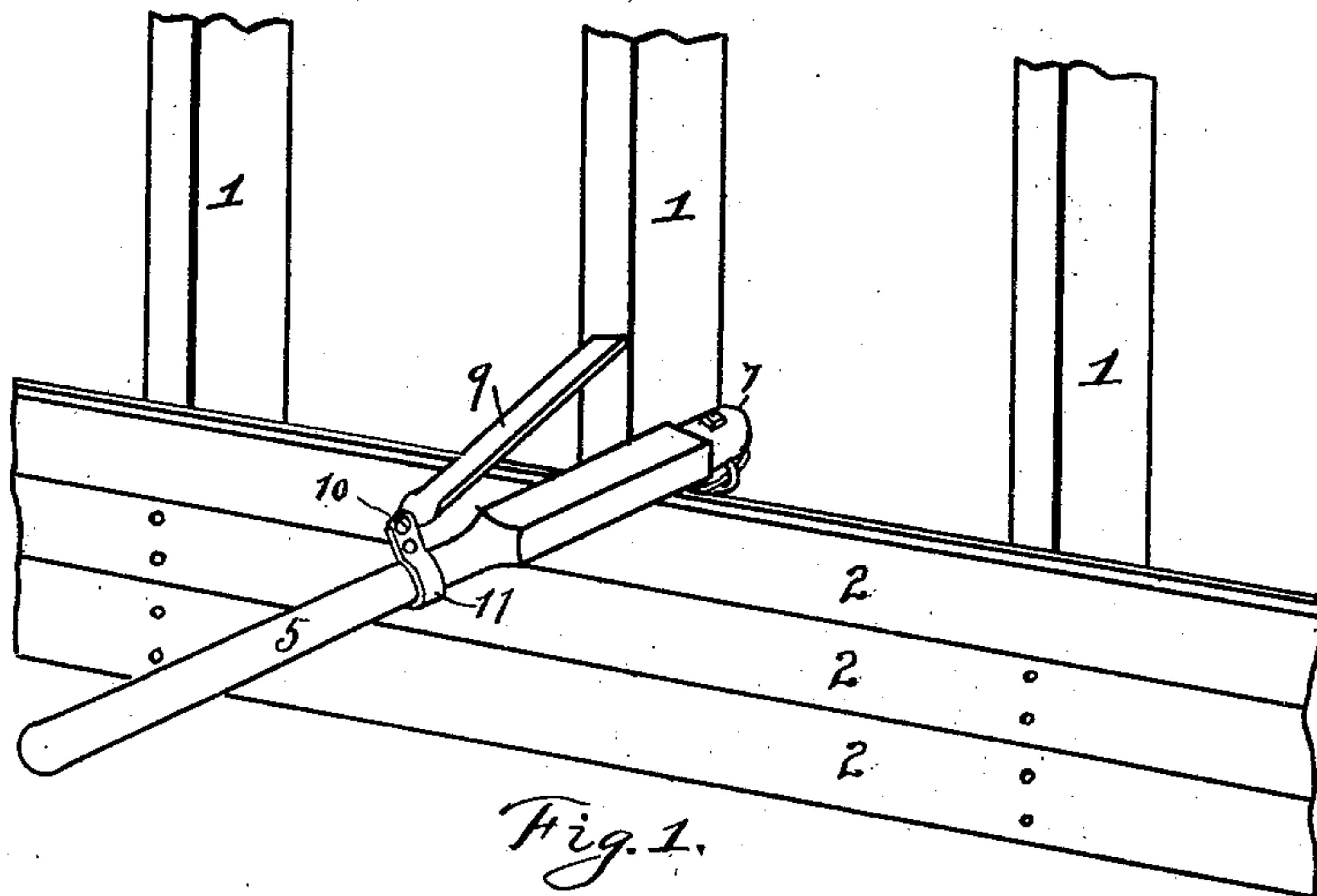


Fig. 1.

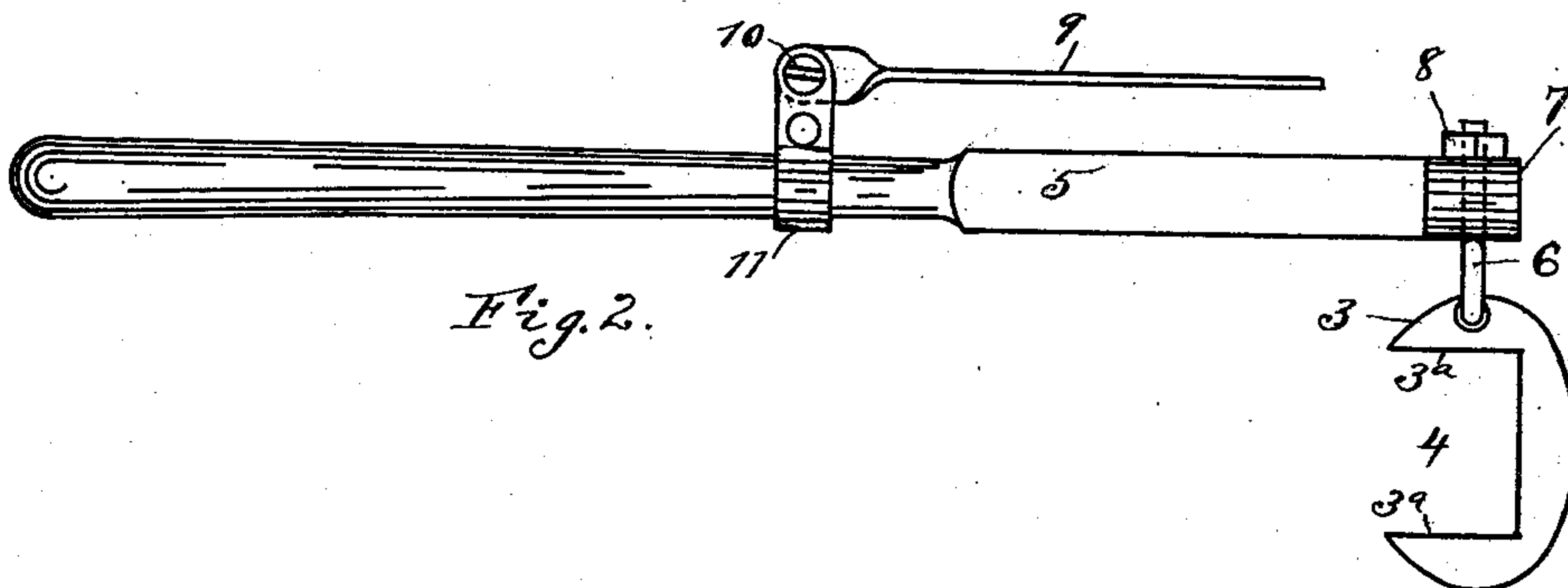


Fig. 2.

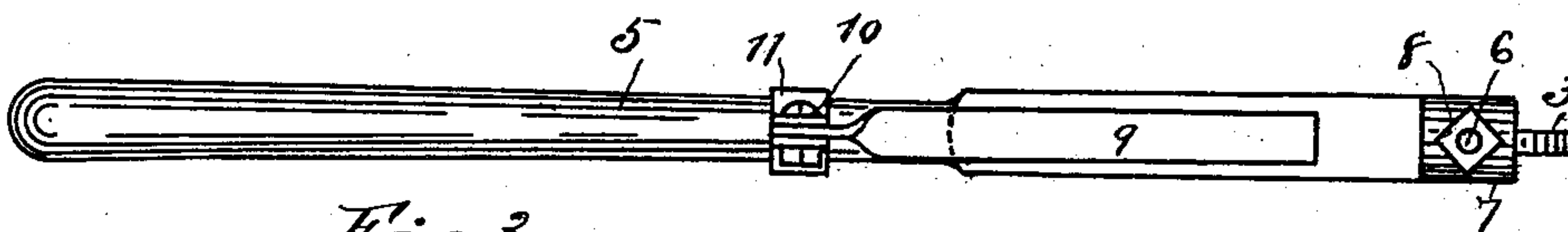


Fig. 3.

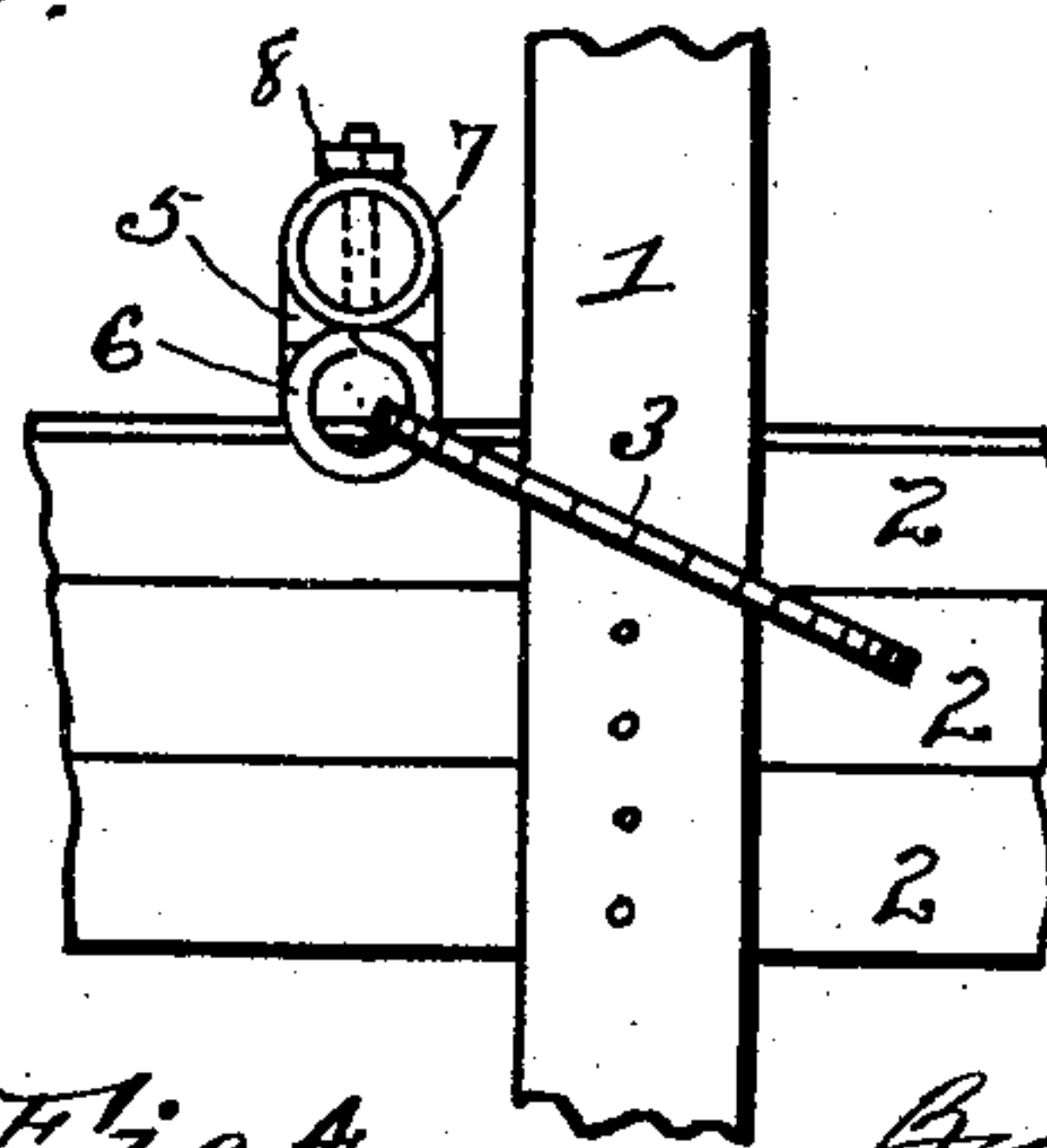


Fig. 4.

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UNITED STATES PATENT OFFICE.

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KEYING-CLAMP FOR FLOORING OR SIDING.

SPECIFICATION forming part of Letters Patent No. 701,784, dated June 3, 1902.

Application filed September 16, 1901. Serial No. 75,446. (No model.)

To all whom it may concern:

Be it known that we, BENJAMIN F. ARNOLD, CARROLL B. ARNOLD, and CLAYTON D. ARNOLD, citizens of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Keying-Clamps for Flooring or Siding; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

Our invention relates to new and useful improvements in keying-clamps by means of which the boards constituting flooring or siding in a building are keyed together preparatory to uniting them to the studding or joists constituting the framework of a building.

The object of the invention is to provide a simple and effective keying-clamp which may be easily manipulated and operated on either side of a studding or joist.

Preceding a detail description of our invention reference is made to the accompanying drawings, of which—

Figure 1 is a perspective view of studding and siding, showing our improved keying-clamp in an operative position thereon. Figs. 2 and 3 are detached views of the clamp. Fig. 4 is a rear view of a studding, showing the position of the clamp when keying the siding.

1 designates upright posts or studding constituting a portion of the framework of a building, or these posts 1 may be the joists of a floor.

2 designates siding or flooring which has a tongue-and-groove connection throughout its adjacent edges, as is well known. In uniting these boards various means have been employed to rigidly key them prior to uniting to the studding or joists. The present invention comprises a clamp consisting of a dog 3, having a rectangular opening 4, which fits around three sides of the studding, as shown in Fig. 4. This dog has a swivel connection with a handle 5 by means of an eyebolt 6, which passes through the tubular end 7 of

said handle and is united thereto by means of a nut 8. In the operation of attaching the dog to the studding it is essential that said dog have a free movement in order that it may engage with the studding as soon as downward pressure is exerted on the operating-handle 5, as shown in Figs. 1 and 4. The operating-handle 5 bears upon or has its fulcrum upon the outer edge of each board, and as pressure is exerted on said handle the said board is pressed or forced into a tight connection with the outer edge of the adjacent board, and in this position the said handle is locked by means of a locking-bar 9, one end of which is pivoted at 10 to a collar 11, which is rigidly secured to the handle, and the other end of said bar 9 is made suitably sharp to engage with the studding, as shown in Fig. 1, to hold said clamp in position, as in Fig. 1, while the workman drives the nails which unite said siding to the studding.

The device is easy to manipulate. The workman, if he be left-handed, simply grips the handle 5 and throws the dog 3 around the studding. Owing to the swivel connection of said dog 3 with the handle 5, it quickly finds its position around the studding. The workman then presses downwardly upon the handle and the dog 3 moves into an oblique position, as in Fig. 4, in which position the opposite edges 3^a 3^a engage with opposite sides of the studding and firmly grip the same. The continued downward pressure of the handle forces the outer board of the siding firmly in position. The locking-bar 9 is then thrown up against the studding, and the clamp is locked in position, as shown in Fig. 1. The workman then nails the siding in such position. If the workman be left-handed, the device is simply placed on the side of the studding opposite that shown in Fig. 1. This is a very useful feature of the device, as many workmen are left-handed and the clamps now in use, so far as known, are limited to a use on one side of the studding only.

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

1. A device of the character specified, the same consisting of a dog having a rectangular opening adapted to engage opposite sides

of a studding or joist, a handle to which said dog has a swivel connection, and a locking-bar pivoted to said handle and adapted to engage with the studding to lock the clamp in an operative position, substantially as specified.

2. In a clamp for keying siding or flooring, the combination of a handle, a dog adapted to engage with the sides of a studding or joist, a swivel connection between said dog and handle, the said handle being adapted to engage with the outer edge of the siding or flooring, which edge forms the fulcrum thereof in operating said handle to engage the dog

with the studding or joist, and a locking-bar having a pivotal connection with said handle and adapted to engage with the studding or joist to hold the clamp in an operative position, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

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Witnesses:

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