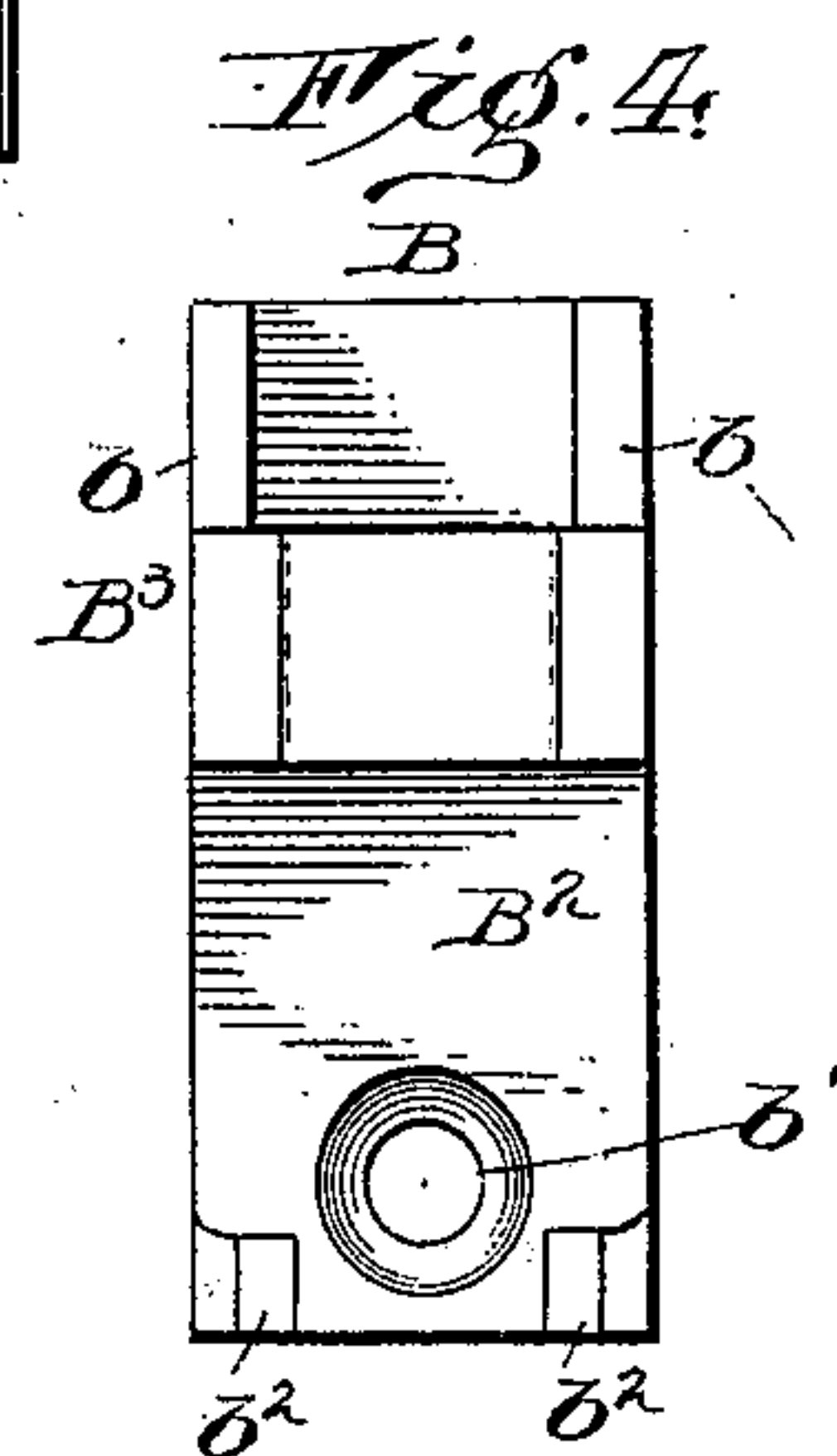
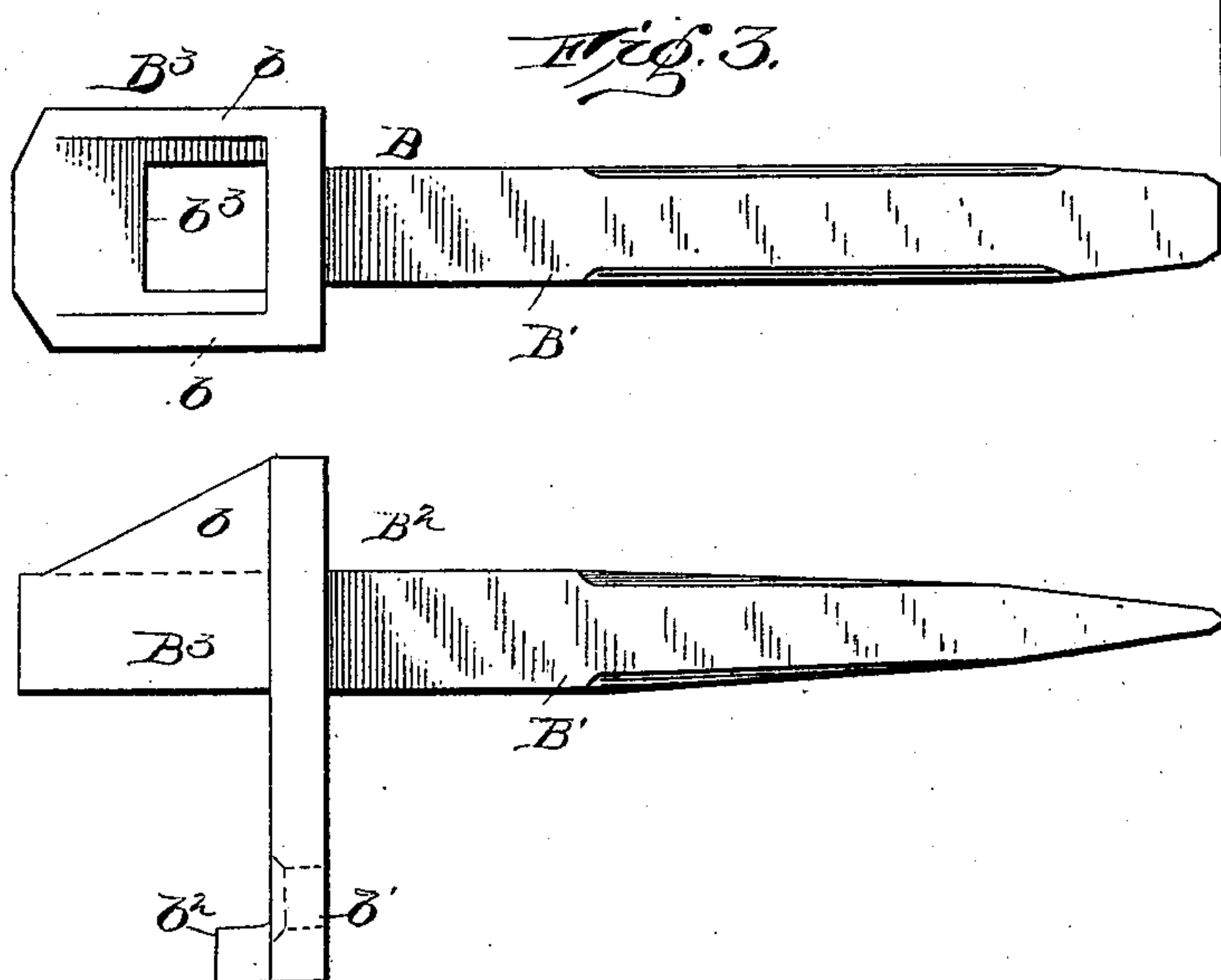
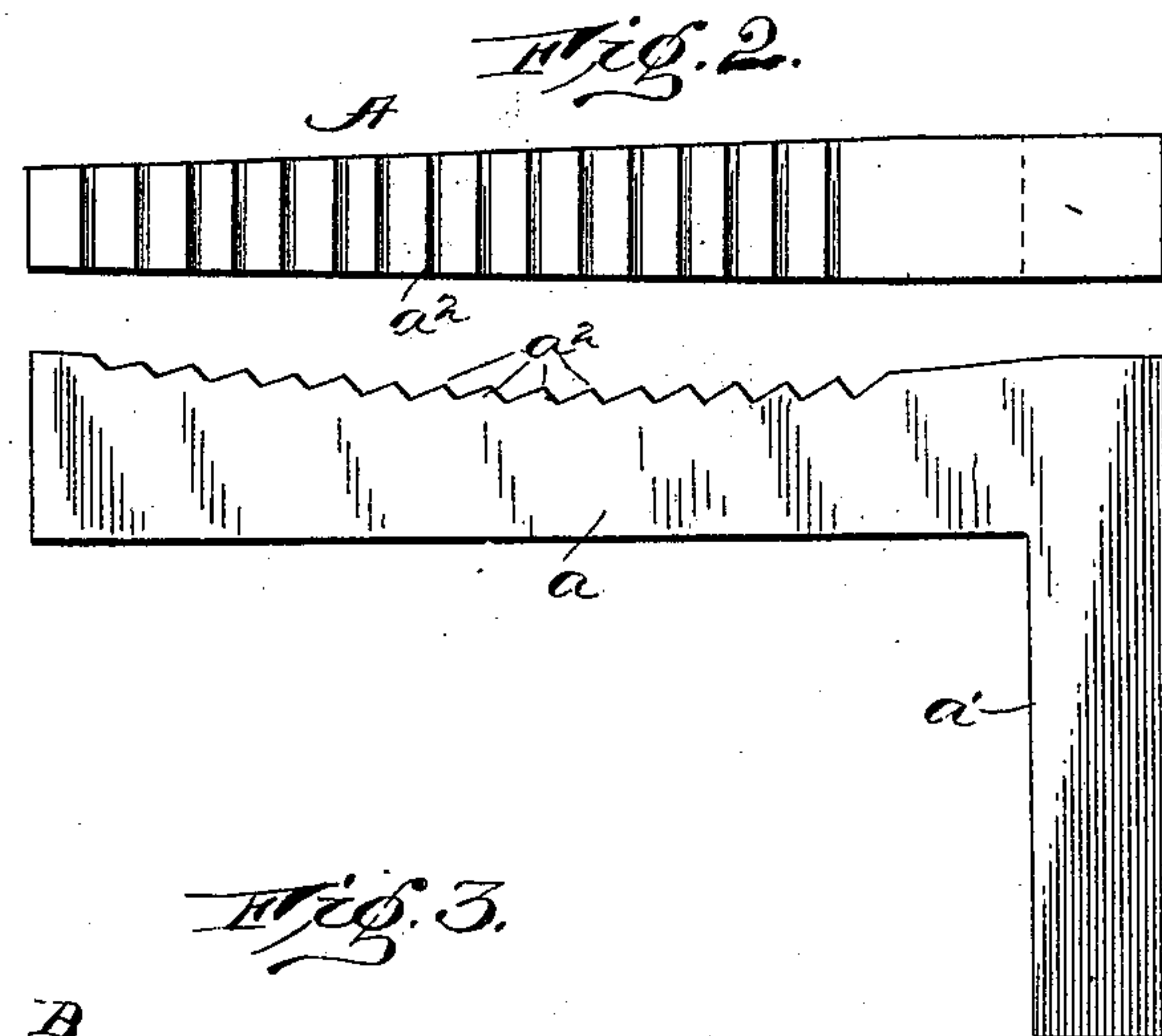
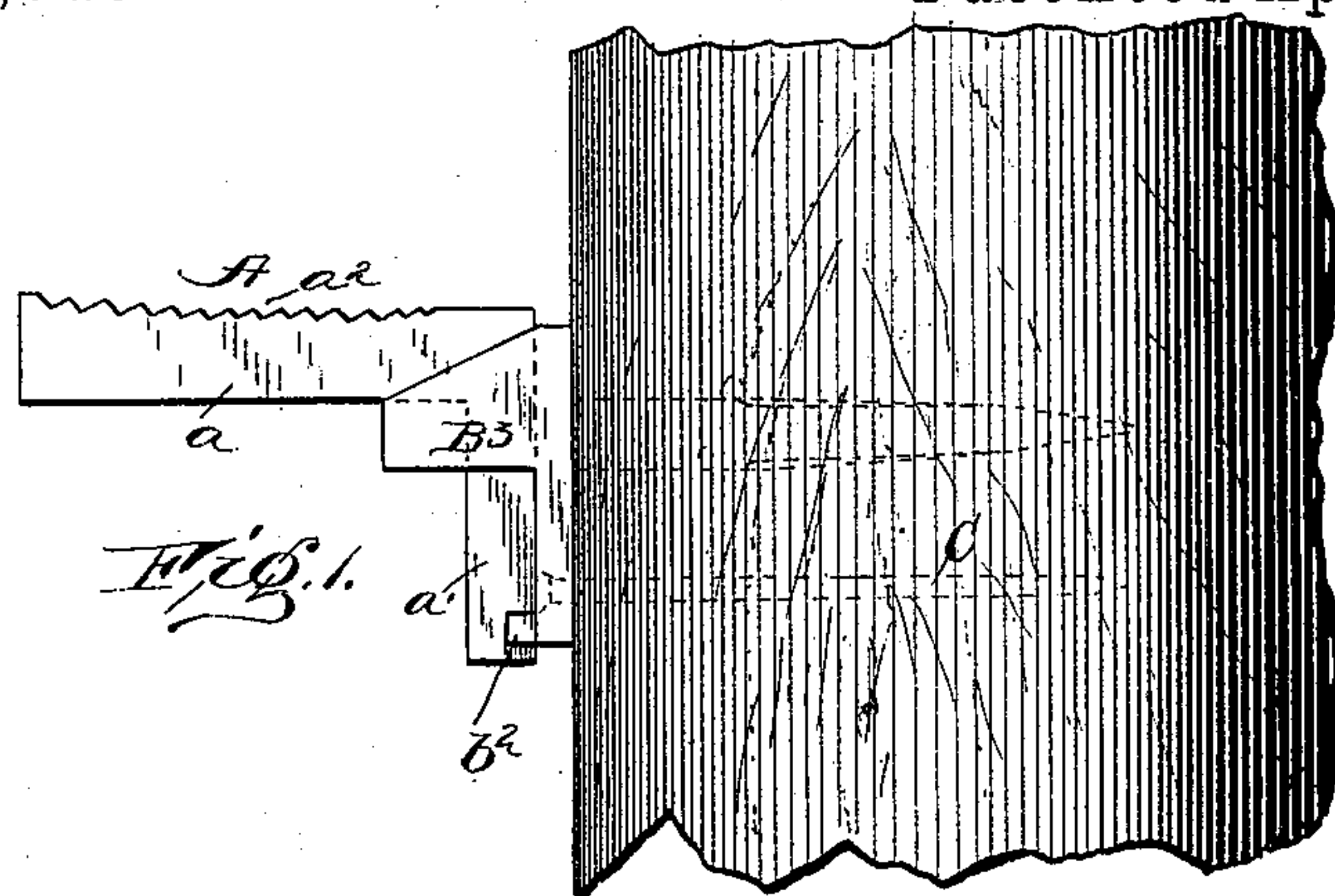


(No Model.)

G. D. AIKEN.
PORTABLE POLE STEP.

No. 601,849.

Patented Apr. 5, 1898.



WITNESSES
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UNITED STATES PATENT OFFICE.

GEORGE D. AIKEN, OF SALT LAKE CITY, UTAH.

PORTABLE POLE-STEP.

SPECIFICATION forming part of Letters Patent No. 601,849, dated April 5, 1898.

Application filed June 12, 1897. Serial No. 640,556. (No model.)

To all whom it may concern:

Be it known that I, GEORGE D. AIKEN, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake, State of Utah, have invented certain new and useful Improvements in Portable Pole-Steps, of which the following is a description, reference being had to the accompanying drawings and to the letters of reference marked thereon.

10 The invention relates to a portable step for telegraph and other poles.

The objects of the invention are to provide a pole-step which may be readily removed from and inserted in its holder, to so construct 15 the step as to prevent the operator's foot from slipping, and to form the step-holder so that it cannot be used by unauthorized persons as a step when the proper step has been removed.

My invention consists in the construction 20 and combination of parts hereinafter described and claimed.

Referring to the drawings, Figure 1 shows a portion of a pole with my step applied. Fig. 2 shows the step, in plan and side elevation, 25 removed from its holder. Fig. 3 shows the step-holder in plan and side elevation, and Fig. 4 is a front elevation of the step-holder.

A is the portable step, comprising the horizontal tread a and the vertical depending attaching-shank a' . This step is preferably 30 formed of a single casting, and the top of its tread is slightly concave and formed with transverse teeth a^2 , which incline toward the inner end, so as to better prevent slipping of the foot.

35 B is the step-holder or fixed member of the step and comprises a spike B' , provided with a vertical plate B^2 to limit its inward movement, said plate being provided at its lower corners with forwardly-projecting lugs b^2 b^2 40 and an aperture b' therebetween to receive the nail C, as shown in Fig. 1. The head B^3 of the spike is provided with a vertical angular socket b^3 to receive the shank a' of the step 45 A, while the lower end of the shank extends between the two lugs b^2 b^2 , so that all loose movement of the step is prevented and its rigidity assured. The side edges of the head

B^3 are connected with the upper portion of the plate B^2 by means of the inclined flanges 50 b . These flanges receive the inner end of the tread a between them and brace the head of the spike; but they also effectually prevent the holders from being used in the absence of the steps A by presenting an inclined surface, 55 from which the foot will slip. The steps A may be easily carried in the belt of the lineman and readily applied to the sockets b^3 , and after use the steps may be removed and access to the top of the pole prevented. 60

The two parts of my improved step may be cast or swaged, require no boring or drilling, and may therefore be very economically manufactured.

What I claim is— 65

1. A holder for pole-steps and the like comprising a spike having a head provided with an opening therethrough, and a plate at the inner end of said head extending in the direction of the opening, whereby a shank upon 70 a pole-step can be inserted through the opening and rest against the plate; substantially as described.

2. A holder for pole-steps and the like comprising a vertical plate, a head upon said plate 75 below its upper edge and extending at an angle to the plate, said head being provided with an opening for receiving a suitable portion of the step, an inclined wall between the vertical plate and the outer end of the head, and 80 means for securing the holder to a pole or other member; substantially as described.

3. A holder for pole-steps and the like comprising a spike having a head provided with a vertical socket, a vertical plate to bear on 85 the pole, forwardly-projecting lugs on the plate below the head and inclined flanges connecting the plate and head at opposite sides of the socket; substantially as described.

In testimony whereof I affix my signature 90 in presence of two witnesses.

GEORGE D. AIKEN.

Witnesses:

JOHN F. CORKER,
MARY RANDS.