

No. 667,663.

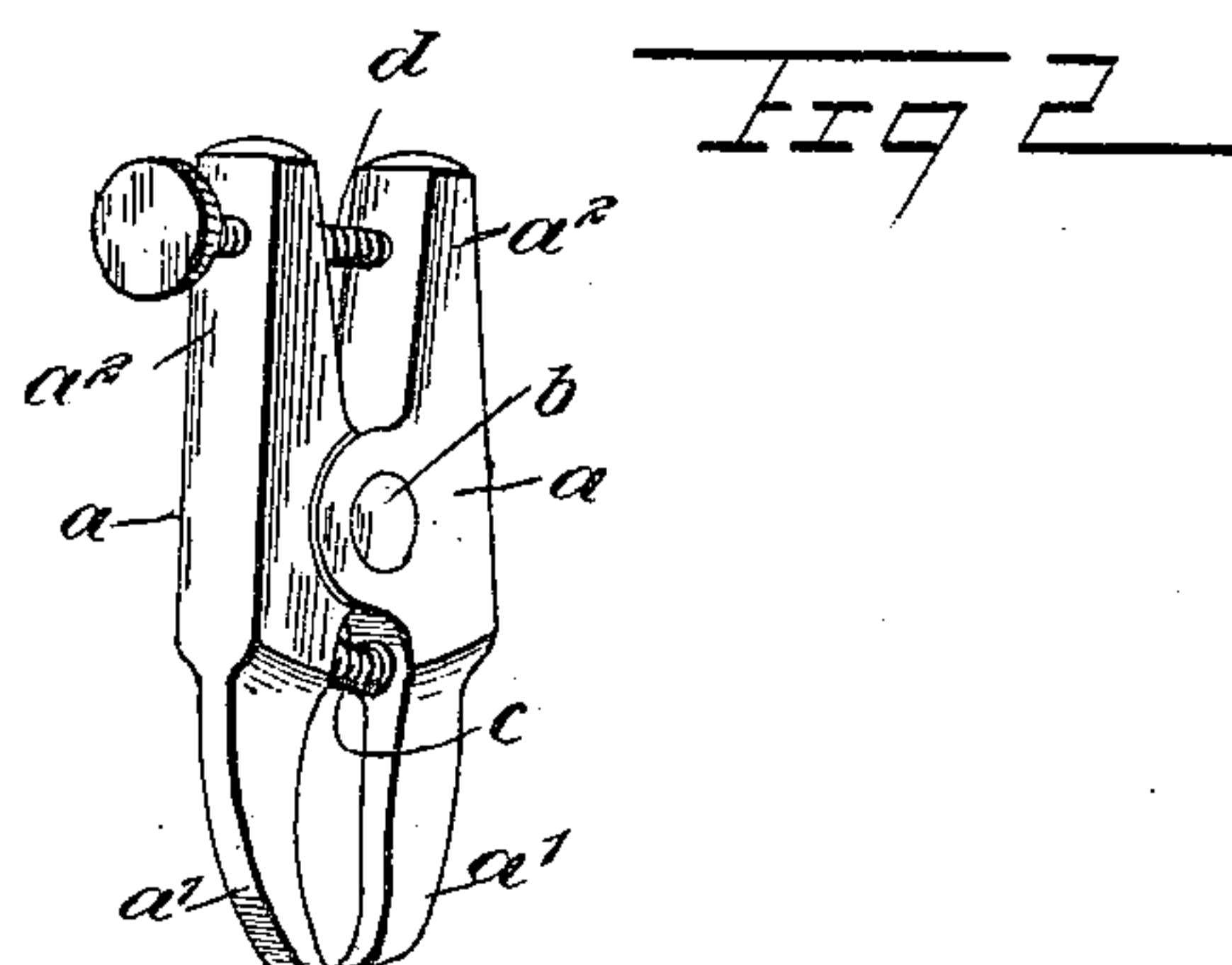
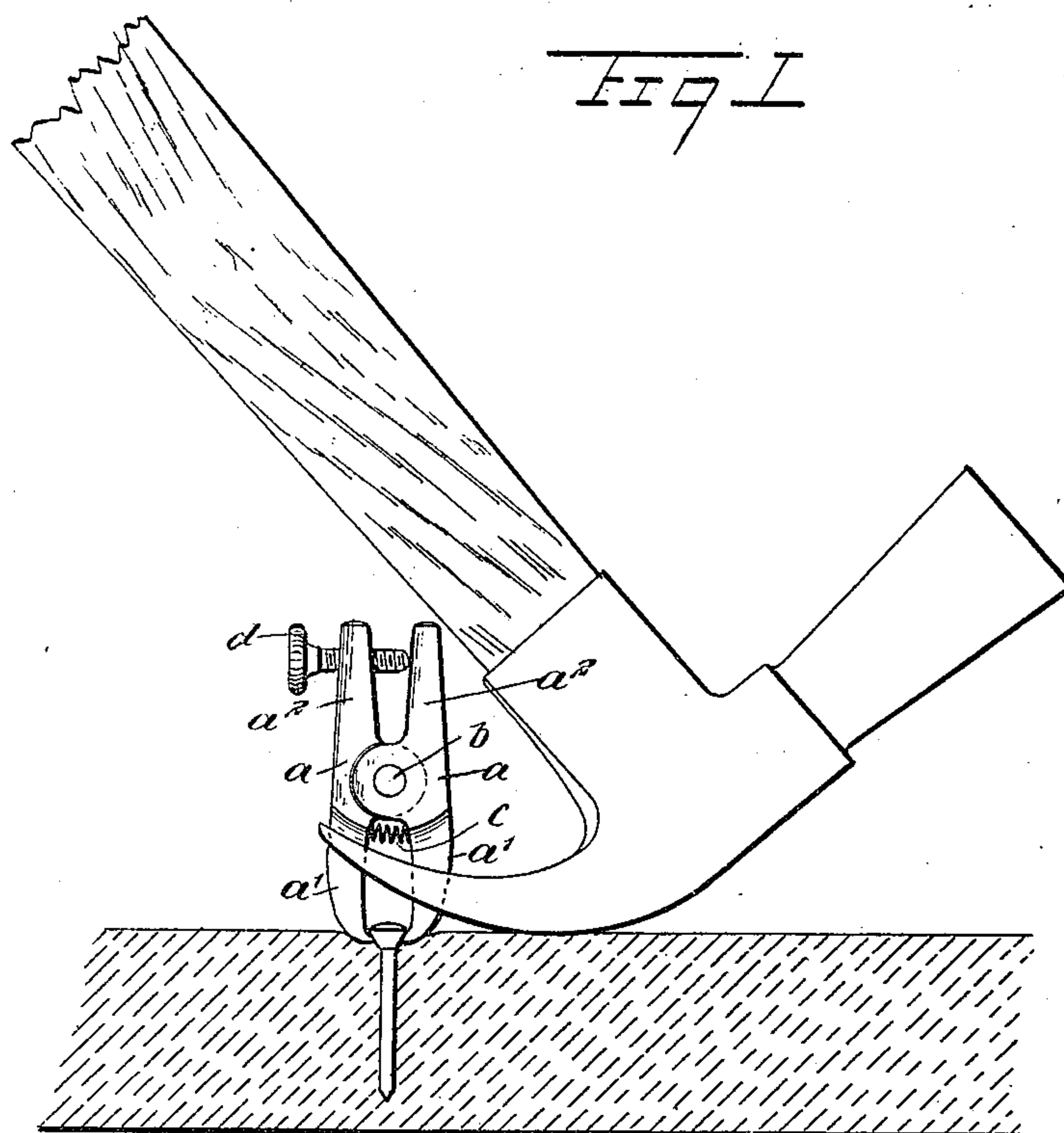
Patented Feb. 12, 1901.

H. B. ALLIGER.

NAIL GRIP.

(Application filed June 1, 1900.)

(No Model.)



WITNESSES:

*H. Walker*  
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INVENTOR

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# UNITED STATES PATENT OFFICE.

HAS BROUCK ALLIGER, OF KINGSTON, NEW YORK.

## NAIL-GRIP.

SPECIFICATION forming part of Letters Patent No. 667,663, dated February 12, 1901.

Application filed June 1, 1900. Serial No. 18,714. (No model.)

*To all whom it may concern:*

Be it known that I, HAS BROUCK ALLIGER, a citizen of the United States, and a resident of Kingston, in the county of Ulster and State of New York, have invented a new and Improved Nail-Grip, of which the following is a full, clear, and exact description.

The purpose of this invention is to provide means by which nails may be readily drawn from the material in which they are driven, and especially to facilitate the withdrawal of nails the heads of which are set below the surface of the material carrying them. When nails are driven with their heads flush with the wood, an ordinary claw-hammer is useless, and my invention seeks particularly to provide a device for engaging the heads of nails so driven.

This specification is the disclosure of one form of the invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a side view of the invention in use, and Fig. 2 is a detail perspective view thereof.

The nail-grip comprises two duplicate sections *a*, connected by an intermediately-situated pivot *b* and formed with coacting jaws *a'* and shanks *a<sup>2</sup>* opposite the jaws. An expansive spring *c* presses the jaws *a'* apart and tends to move the shanks *a<sup>2</sup>* together, and a thumb-screw *d*, which is carried in one of the shanks *a<sup>2</sup>* and works against the other, serves to move the shanks *a<sup>2</sup>* in opposite directions, bringing the jaws *a'* together.

In the use of the device the jaws *a'* are driven into the wood at opposite sides of the head of the nail, so as to lie level with or below the head, and then the thumb-screw *d* is operated to engage the jaws with the head. The jaws *a'* are of a thickness reduced with respect to the other parts of the sections *a*, so that a claw-hammer may be engaged with the jaws, as indicated in Fig. 1, and by operating the claw-hammer in the usual manner the nail-grip, with the nail attached, may be raised, thus withdrawing the nail from the wood.

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

1. A nail-grip, comprising two pivotally-connected sections, each having a jaw of reduced thickness to facilitate the engagement of a claw-hammer therewith, a spring tending to push the two jaws apart, and a thumb-screw working with the sections oppositely to the spring.

2. A nail-grip, having two pivoted sections each having a jaw to engage the nail, said jaws being of reduced thickness to form shoulders to facilitate the engagement of a claw-hammer therewith.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HAS BROUCK ALLIGER.

Witnesses:

ALBERT DELANEY,  
EUGENE H. FOWLER.