

(No Model.)

L. GODDU.

HAND TACKING OR NAILING APPARATUS.

No. 287,375.

Patented Oct. 23, 1883.

Fig. 1.

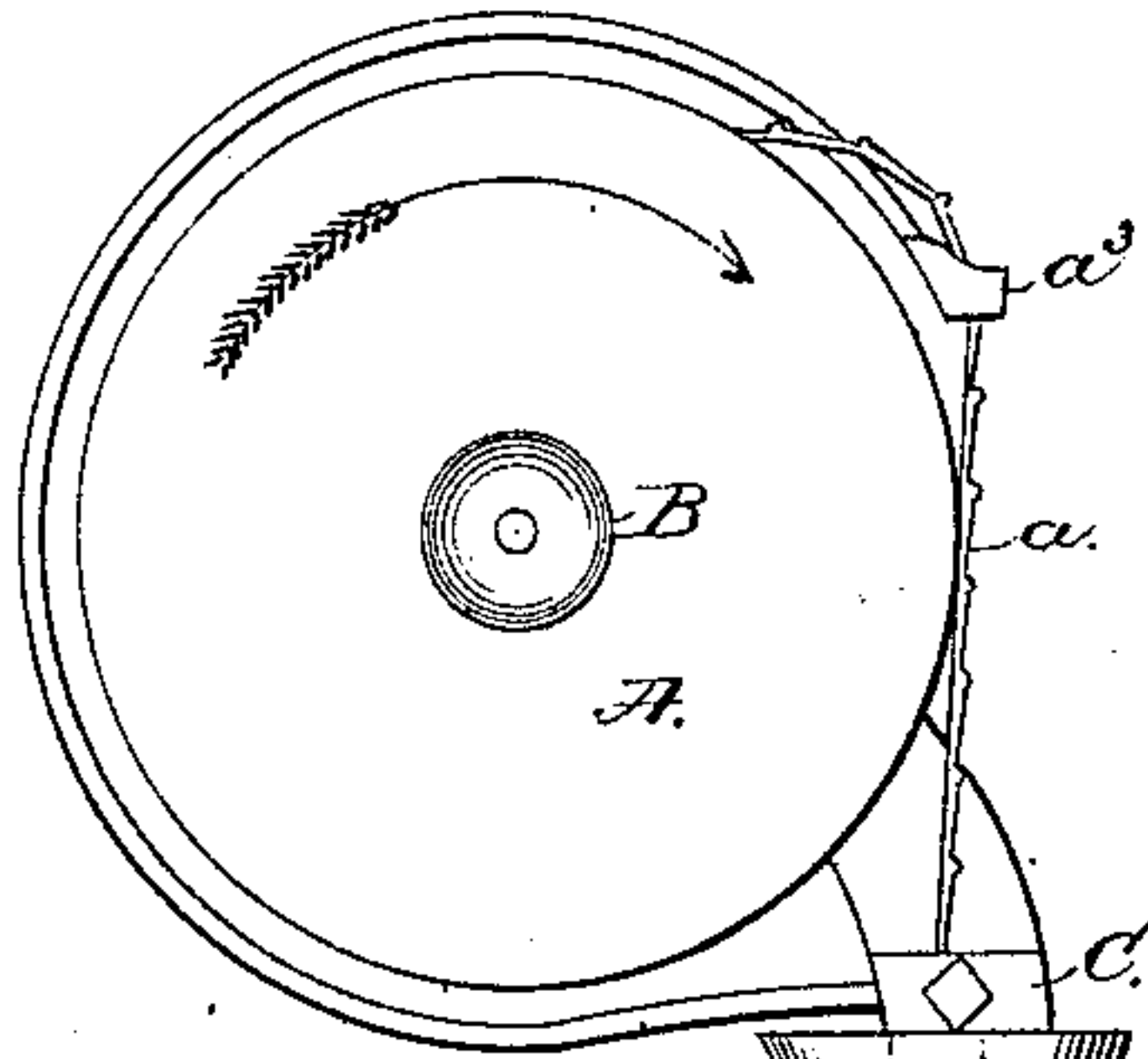


Fig. 3.

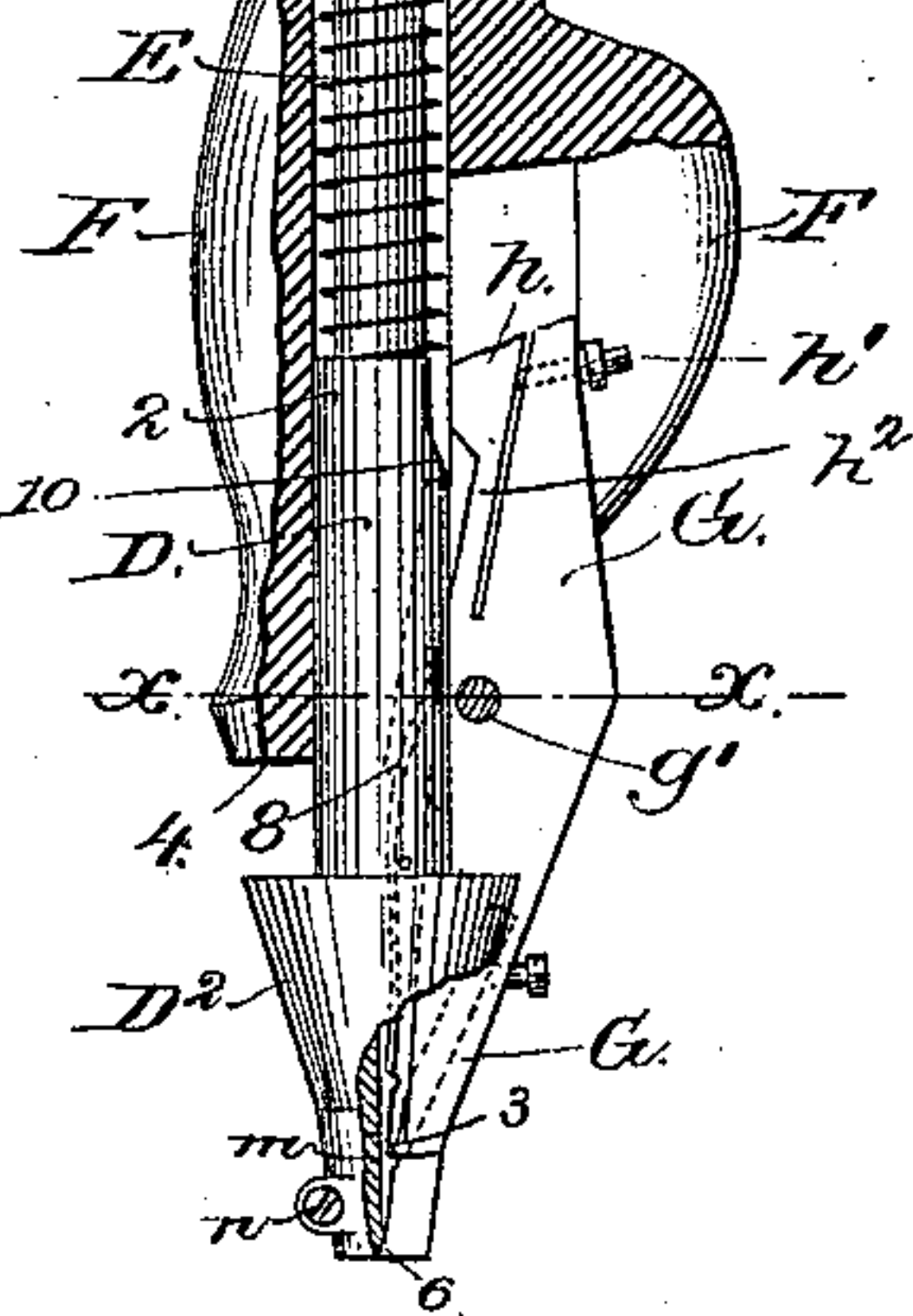
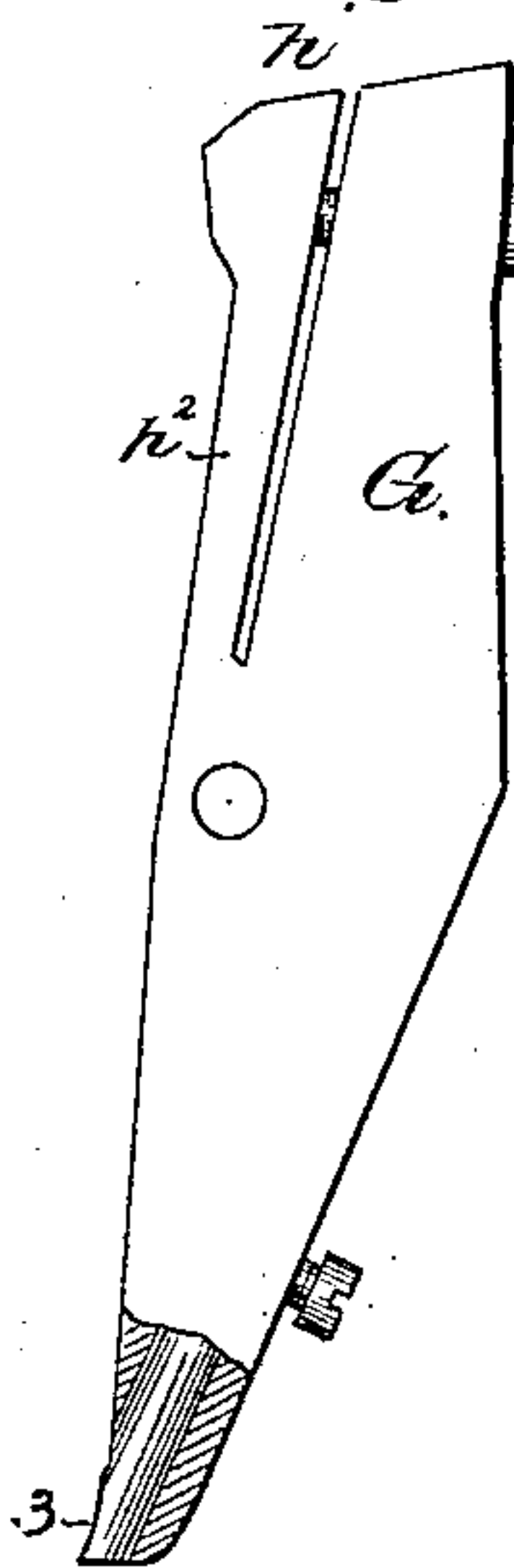


Fig. 2.

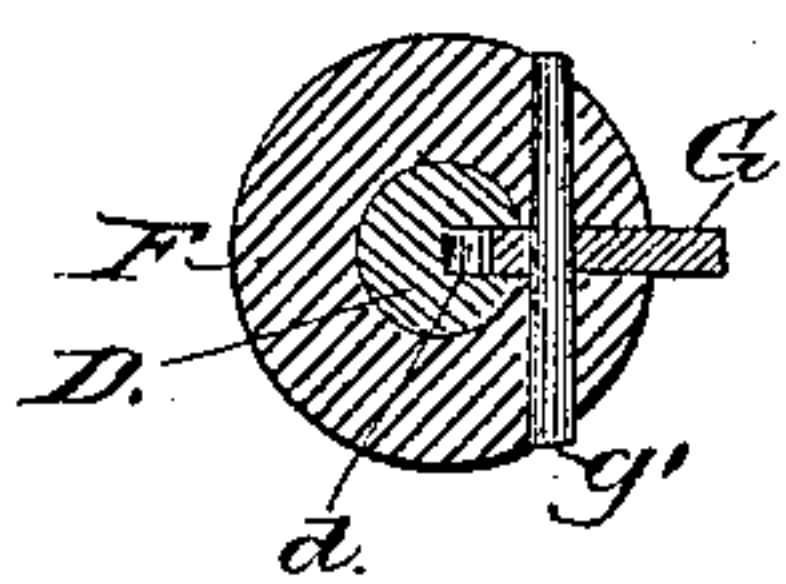
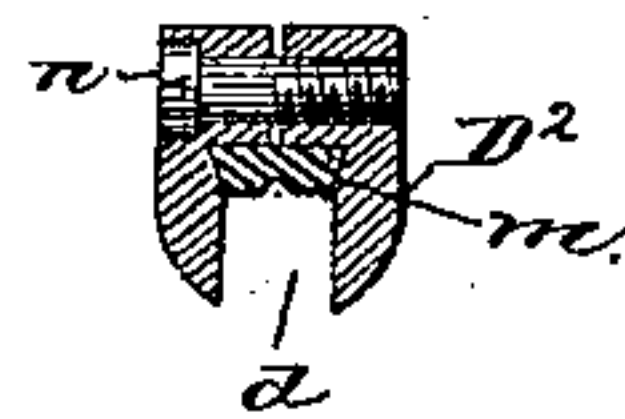
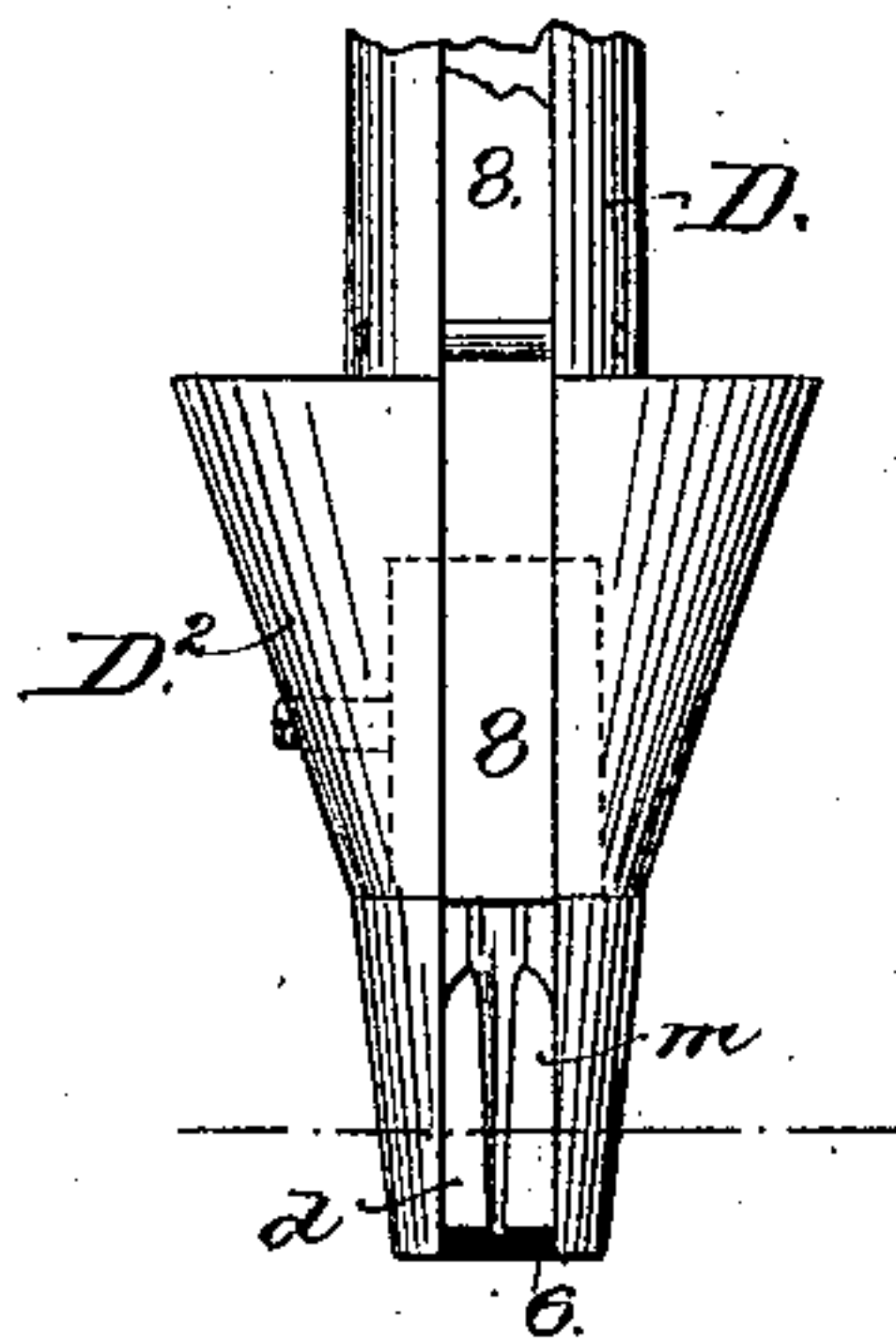


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

LOUIS GODDU, OF WINCHESTER, MASSACHUSETTS, ASSIGNOR TO THE
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HAND TACKING OR NAILING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 287,375, dated October 23, 1883.

Application filed May 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, LOUIS GODDU, of Winchester, county of Middlesex, State of Massachusetts, have invented an Improvement in
5 Hand Tacking or Nailing Apparatus, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 My invention relates to an apparatus for driving tacks or nails in leather or other material, and is herein shown as adapted to drive so-called "string-nails."

In my improved apparatus the reel which
15 holds the string-nails is placed on a spindle or pin of a bracket attached to or forming part of a tube, upon the lower end of which is secured the nose through which the nail is driven by the driver. This nose is left open at one
20 side, or is slotted for the reception of a driver, represented as a lever pivoted upon the hand-piece, which, chambered centrally, is adapted to slide on the tube referred to. The hand-piece is normally kept elevated by a spring,
25 the lower end of which rests on a shoulder of the tube, while the upper end of the spring acts against the hand-piece. The driver is also adapted to act as a cutter to sever the driven nail. The operator grasping the hand-
30 piece strikes the nose against the thing into which the nail is to be driven; but the hand-piece continues to descend after the nose is arrested, during which time the driver acts upon the head of the nail, and drives the same
35 and cuts it off, as will be described.

Figure 1 represents inside elevation and partial section an apparatus embodying my invention; Fig. 2, a section on the dotted line
40 x , Fig. 1; Fig. 3, a view of the driver detached; and Fig. 4, a view of the nose removed from the tube, and a section thereof.

The spool or reel A carrying the string-nails
45 a , is placed and turns on a stud, B, of a bracket, C, attached to the upper end of the tube D, the latter having attached to it at its lower end the nose D^2 , having an open channel, d , at one side leading into it. The string-nails are passed over the take-up spring a^3 , and
50 shown in Fig. 1. The tube has a shoulder, 2,

to receive against it the spiral spring E, and the upper end of the said spring acts against and sustains the hand-piece F, chambered centrally and provided with a driver, G, (shown as a lever pivoted thereon at g'), and provided
55 at its lower end with a cutting-projection, 3, which co-operates with a beveled surface, 6, (shown in heavy black, Fig. 4,) at the lower end of a steel-cutter member, m , held between the
60 jaws of the nose by the screw n , the projection 3 commencing to cut the nail at the upper edge of the said beveled surface, and completing the cut before reaching the lower end thereof, after which the nail is completely driven. The
65 driver-lever G has a wedge-shaped projection, h , (shown as forming part of an arm, h^2), connected with the said lever, the said arm and projection being made adjustable by means of an adjusting device, h' . (Shown as a screw.) The
70 tube D has an inclined projection, 10, against which the incline of the projection h strikes as the hand-piece and the driver-lever are forced downward, the said projection and incline being so located with relation to each other and
75 the nose that the cutter 3 of the driver-lever in engagement with the head of the nail being driven is made to enter or cut into the string-nail as the cutter 3 comes opposite the upper
80 edge of the inclined part 6 of the member m , and to fully sever the said nail while moving from the top to the bottom of the said inclined surface 6, as described. The upper end of a
85 spring, 8, (shown in dotted lines,) acts against the driver-lever G above its pivot g' , and normally causes the cutter 3 to remain in contact with the string-nails, and the lower end of the
90 said spring acts as a detent to prevent retrograde movement of the string-nails, as usual. Adjustment of the projection h determines the extent of the movement of the driver about
95 its pivot when severing a nail. The normal condition of the apparatus is, as in Fig. 1, with the hand-piece elevated and the end of the driver-lever in contact with the head of the nail next to the driver.

The operator, to drive a nail into the sole or other part of a boot or shoe or other article, will grasp the hand-piece and strike the nose
100 D^2 down upon the spot where the nail is to be driven. When the nose strikes the material

its motion is checked, but the hand-piece continues to descend until the shoulder 4 strikes the nose, and during this movement the end of the driver in contact with the head of a nail is forced down through the groove in and to the end of the nose, and drives the nail and cuts it off just before it is fully driven, as previously stated.

I claim—

10 1. The tube D and attached reel to hold the string-nails, and the nose, combined with the hand-piece mounted to slide on the said tube, and with the driver carried by the hand-piece, to operate substantially as described.

15 2. The hand-piece, the driver pivoted thereon, and the spring E within the said hand-piece, combined with the tube and its nose to rest upon the material, substantially as described.

3. The tube D, its nose and projection and cutter-member *m*, combined with the hand-piece, the driver pivoted on the said hand-piece and provided with a projection to cooperate with the projection on the said tube, and with a cutter, 3, to operate substantially as described. 25

4. The tube provided with the nose and cutting member, and with the projection 10, combined with the hand-piece, and the driver-lever having the cutter 3 and the adjustable projection *h*, to operate substantially as described. 30

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

LOUIS GODDU.

Witnesses:

G. W. GREGORY,
B. J. NOYES.