

E. Hale,
Pegging Machine.
N^o 80,477. Patented July 28, 1868.

Fig. 2.

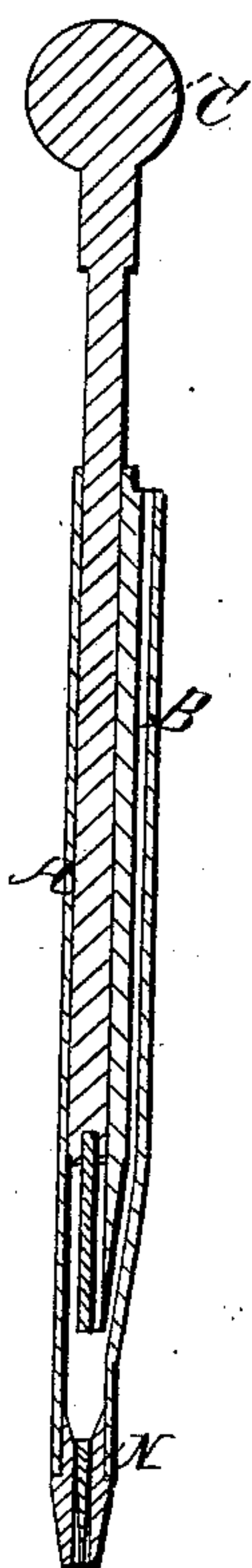
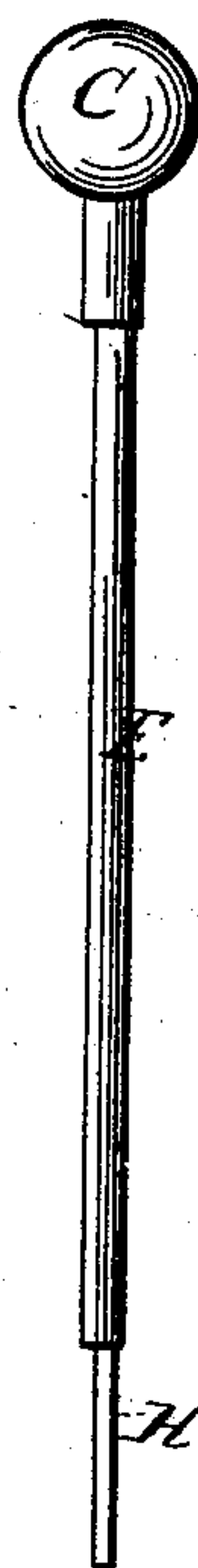


Fig. 1.



Fig. 3.



Witnesses
Frank Estep
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Inventor
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UNITED STATES PATENT OFFICE.

EDWIN HALE, OF BOSTON, MASSACHUSETTS.

IMPROVED HAND NAIL-DRIVER FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **80,477**, dated July 28, 1868.

To all whom it may concern:

Be it known that I, EDWIN HALE, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Hand Nail-Drivers for Boots and Shoes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in combining with a hand nailer-tube (said tube having a weighted plunger) a feed-tube so arranged that the nails may be fed into the tube without removing the tube from the work.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and use.

In the drawings, Figure 1 is an elevation of my hand-nailer. Fig. 2 is a section showing the instrument with a nail ready to be driven and with the weighted plunger or driver drawn up. Fig. 3 is an elevation of the plunger.

My nailer consists, essentially, of a main tube, A, having a cylindrical chamber formed with a conical termination, as shown in Fig. 2. In this chamber the plunger C E H, Fig. 3, operates.

Attached to the main tube A is a small hollow feed-tube, B, connecting with the main tube, as shown, through which the nail to be driven may be dropped.

The plunger E may be made of steel or iron;

but the driver proper, H, Fig. 3, I make of the best Stubb's steel wire, which I insert in a hole drilled for that purpose into the end of the plunger E.

My object in making the part H of the plunger of different metal from the main part is to save the expense of nice steel, and also to make the instrument easy to repair, for if the part H becomes worn or broken it can be removed and a new one put in its stead.

To use my instrument I place the point of it on the article into which I wish to drive the nail, and, drawing up the plunger, as represented in Fig. 2, I drop a nail through the feed-tube, which will fall of its own accord to the bottom, as shown at N, Fig. 2. If the plunger is now dropped, the nail will be driven.

In practice I make the head C much larger than I have represented it in the drawings, so that when dropped it will have the necessary momentum for driving the nail.

Having thus described my invention, I will now proceed to set forth my claim.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

The arrangement of the tube A, the feed-tube B, and plunger C, E, and H, substantially as and for the purpose described.

EDWIN HALE.

Witnesses:

FRANK G. PARKER,
HENRY EDSON.