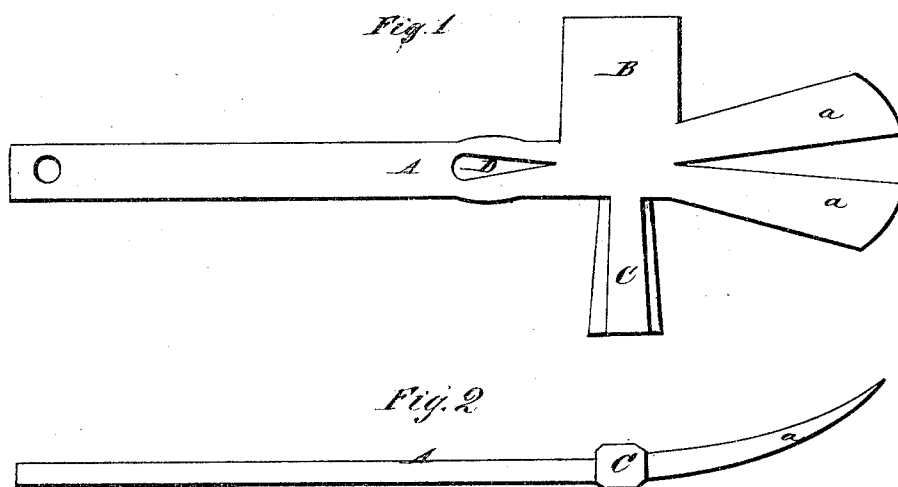


N. Purdey,

Box Opener.

No. 108293.

Patented Oct. 11. 1870.



Witnesses,
Jm A Morgan
Es. Sec. Sec. Sec.

Inventor,
N. Purdey

per Wm. J. C.
Attorney

United States Patent Office.

NATHAN PURDEY, OF PROVIDENCE, PENNSYLVANIA.

Letters Patent No. 108,293, dated October 11, 1870.

IMPROVEMENT IN BOX-OPENERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, NATHAN PURDEY, of Providence, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Improvement in Claw-Hammer and Hatchet; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a plan or top view of my invention,
Figure 2 is a side view of the same.

Similar letters of reference indicate like parts.

This invention relates to a new and improved combination of claw-hammer and hatchet, and is more especially designed for opening and nailing up cases and boxes, in which goods are packed.

The object of the invention is to obtain a new and useful implement for the purpose specified, one which will be more convenient than an ordinary claw-hatchet now generally used for that purpose.

The implement is constructed out of one piece of metal.

A is a bar, the outer end of which is spread out or expanded and slitted longitudinally, to form two prongs, *a a*, which constitute a claw for the drawing of nails.

This claw is curved, as shown clearly in fig. 2, so that the bar may operate effectually as a lever in the drawing or extracting of nails.

At one side of the bar A there is a projecting plate, B, which extends at right angles from the bar at the inner end of the claw.

The outer edge of this plate B is beveled, to form a cutting-edge, and it constitutes the hatchet portion of the device, for cutting off the ends of the hoop-bands,

chipping off the projecting edges of boards at the sides of a box or case, &c.

C is the hammer projection, which extends from the side of the bar A, opposite to that from which the hatchet-plate B extends, and about in line with the center of this plate, (see fig. 1.)

This hammer may correspond in form to an ordinary hammer-head, and may gradually increase in diameter from its inner to its outer end, so as to have a face of requisite area.

D is an opening made in the bar A, to form a claw for drawing nails. This opening is of V-form, or of sufficient width at one end to allow the head of a nail to pass through, and gradually narrowing until the sides meet, as shown clearly in fig. 1.

This claw will be more convenient than the other, in certain cases. The ends of the prongs *a a*, however, being quite flat, and having thin edges, may be used with facility for prying off boards or the lids of boxes or cases.

This device may be forged out of a single piece of iron, or it may be cast entire, malleable and tempered.

It may be manufactured at a small cost and will prove to be a very convenient implement, for the purpose specified.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

A combined claw-hatchet and hammer, constructed in the manner substantially as herein shown and described.

Witnesses:

NATHAN PURDEY:

B. P. COUCH,

T. V. TOMPKINS.