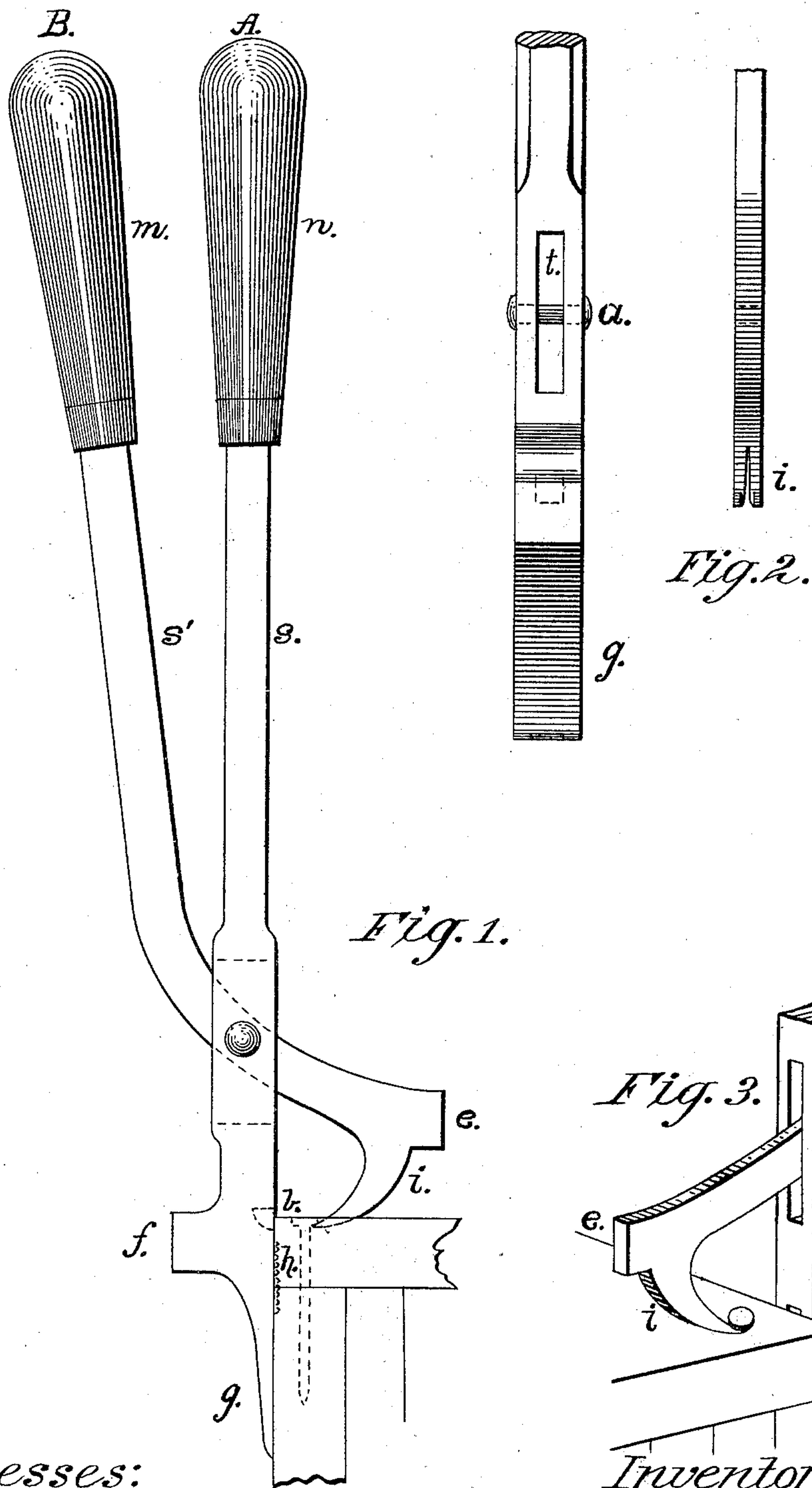


(No Model.)

D. C. HAWKINS.
COMBINED NAIL EXTRACTOR AND BOX OPENER.

No. 409,355.

Patented Aug. 20, 1889.



Witnesses:

G. A. Moorhead.
Geo. M. Davis.

Inventor:
Dayton C. Hawkins
per S. B. Davis.
Attorney.

UNITED STATES PATENT OFFICE.

DAYTON C. HAWKINS, OF TERRE HAUTE, INDIANA, ASSIGNOR TO RICHARD W. RIPPEY, OF SAME PLACE.

COMBINED NAIL-EXTRACTOR AND BOX-OPENER.

SPECIFICATION forming part of Letters Patent No. 409,355, dated August 20, 1889.

Application filed February 4, 1889. Serial No. 298,690. (No model.)

To all whom it may concern:

Be it known that I, DAYTON C. HAWKINS, a citizen of the United States, residing at Terre Haute, in the county of Vigo and State of Indiana, have invented a certain new and useful Combined Nail-Extractor and Box-Opener; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to that class of extractors and box or lid openers in which a pair of levers are pivoted together and formed in such manner as to be able to take hold of a nail and extract it, and to be used in prying off lids of boxes, barrels, &c.; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, Figure 1 is a view showing a side elevation of my nail-extractor and lid-opener in position for extracting a nail from a box. Fig. 2 is a view showing the front edges of the two levers separately. Fig. 3 is a perspective view of the implement in position for extracting a nail.

In the accompanying drawings, the letter A indicates a lever, of which the following is a full description: a lever of metal or other suitable material, consisting of a handle *n*, a shank *s*, a hammer-head *f* on the outer edge of the lever, and a chisel-blade *g*, extending to the end of the lever. At about two-thirds the length of the lever from the handle *n* the shank is enlarged for the purpose of giving a strong bearing at the point of connection between this and the lever hereinafter described. The chisel-blade has upon its back face an incision or notch *b*, of such form as to admit and hold the claw-points of the lever B, and also a file-toothed or roughened surface *h*.

The letter B also indicates a lever composed of metal or other suitable material, and consists of a handle *m*, a shank *s'*, a hammer-

head *e*, and a sharply-curved nail-claw *i*, with cutting-edges, said nail-claw being concaved upon the inside and grooved in a V-shaped manner for the purpose of engaging a nail. Said levers A and B are fastened together by a loose pivot *a*, either by lever B being passed through a slot *t* in the lever A and fastened in such position, or in some other suitable manner, as in a pair of tongs or shears.

The letter *a* indicates a pivot which fastens the levers A and B together, and upon which the levers act as an axis.

The advantage of my invention over similar contrivances arises from the following facts: The two levers, arranged as they are, having the claw of B fit into the notch *b* and the roughened surface *h*, gain an easy, strong, and safe engagement of the claw *i* with the nail-head and purchase and leverage upon the surface of the box or other article from which the nail is to be extracted. The lever B is provided with a hammer-head *e*, by means of which the claw *i* may be driven deep into hard wood. Thus it is easy to engage and draw nails when deeply set. The lever A is provided at its end with a chisel-blade *g*, by means of which the tight lids of boxes, barrels, &c., may be easily removed; also the handle may be used as a handle for the hammer-head *f*, thus giving a good substantial hammer.

I claim—

The combination of the lever A, consisting of a handle *n*, a shank *s*, a hammer-head *f*, and a chisel-blade *g*, said chisel-blade having upon its back side the incision or notch *b*, also the roughened surface *h*, with the lever B, said lever B consisting of a handle *m*, a shank *s'*, a hammer-head *e*, and a curved nail-claw *i*, and the pivot *a*, said pivot fastening the two levers A and B together, all as and for the purpose herein described and specified.

In testimony that I claim the foregoing as my own I now affix my signature in presence of two witnesses.

DAYTON C. HAWKINS.

Witnesses:

G. A. MOORHEAD,
GEO. M. DAVIS.