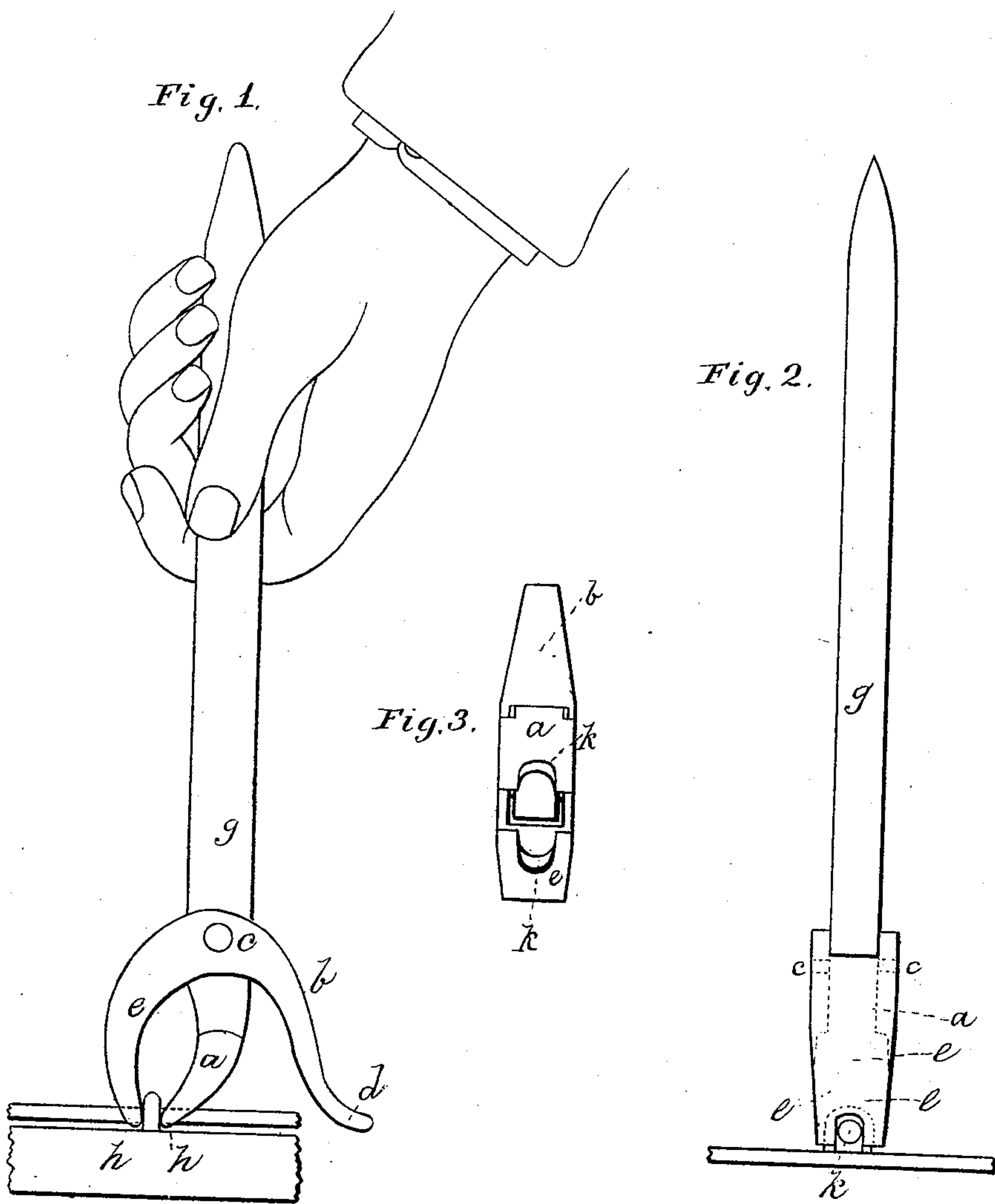


(No Model.)

H. A. HESS.
STAPLE EXTRACTOR.

No. 262,542.

Patented Aug. 8, 1882.



WITNESSES

Amelia Keyser
Philip C. Masi

INVENTOR

H. A. Hess.
by *Anderson & Smith*
his ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY A. HESS, OF NIRA, IOWA, ASSIGNOR OF ONE-HALF TO JOSEPH A. OGLE, OF SAME PLACE.

STAPLE-EXTRACTOR.

SPECIFICATION forming part of Letters Patent No. 262,542, dated August 8, 1882.

Application filed June 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. HESS, a citizen of the United States, resident at Nira, in the county of Washington and State of Iowa, have invented a new and valuable Improvement in Staple-Extractors; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of my extractor. Fig. 2 is an edge view of the same, and Fig. 3 is an end view.

This invention has relation to means for drawing the staples of wire fences; and it consists in the construction and novel arrangement of a pair of centrally-notched jaws pivoted together and provided one with a lever-handle and the other with a short bent fulcrum-extension terminating in or nearly in line with the biting ends of the jaws, as hereinafter set forth.

In the accompanying drawings, the letter *a* designates the inner or shorter jaw, the biting end *h* of which is laterally turned. This jaw is formed with a long lever-handle, *g*, whereby the instrument is operated.

e represents the outer or longer jaw, laterally arranged with reference to the jaw *a* and extending across the same at *c*, where it is pivoted to the lever-jaw. This jaw is bent in form, and is provided with a short bent arm or fulcrum-extension, *b*, which is turned outward on the side of the lever-jaw opposite the fulcrum-jaw *b* and terminates in a bearing end, *d*, which is in line or nearly in line with

the biting ends *h* of the jaws. The biting ends *h* are centrally notched, at *k*, the size of the notch being sufficient to take in the fence-wire or a portion thereof. Each jaw has therefore a double or forked biting end, as indicated in the drawings.

In using this instrument the biting ends *h* are placed so as to straddle the fence-wire and grip the branches of the staple on the sides thereof. The fulcrum-extension *b* is brought to bear on the post, or on that portion of the fence-wire which is against the same, and the lever-handle is pressed toward the fence-wire, this action easily drawing the staple; or, the biting ends *h* may be made to straddle the staple and catch under the fence-wire at each side thereof. In this position the fulcrum-arm *b* is brought to bear against the post, and by operating the lever-handle the fence-wire will be drawn away from the post and the staple extracted.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

A fence-wire staple-extractor consisting of the laterally-arranged jaws *a e*, having the straddle-notches *k*, pivoted together at *c*, and provided one with a lever-handle, *g*, and the other with a short fulcrum-extension, *b*, terminating in line or nearly in line with the biting ends of the jaws, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY A. HESS.

Witnesses:

JOSEPH A. OGLE,
W. H. EVERSON.