

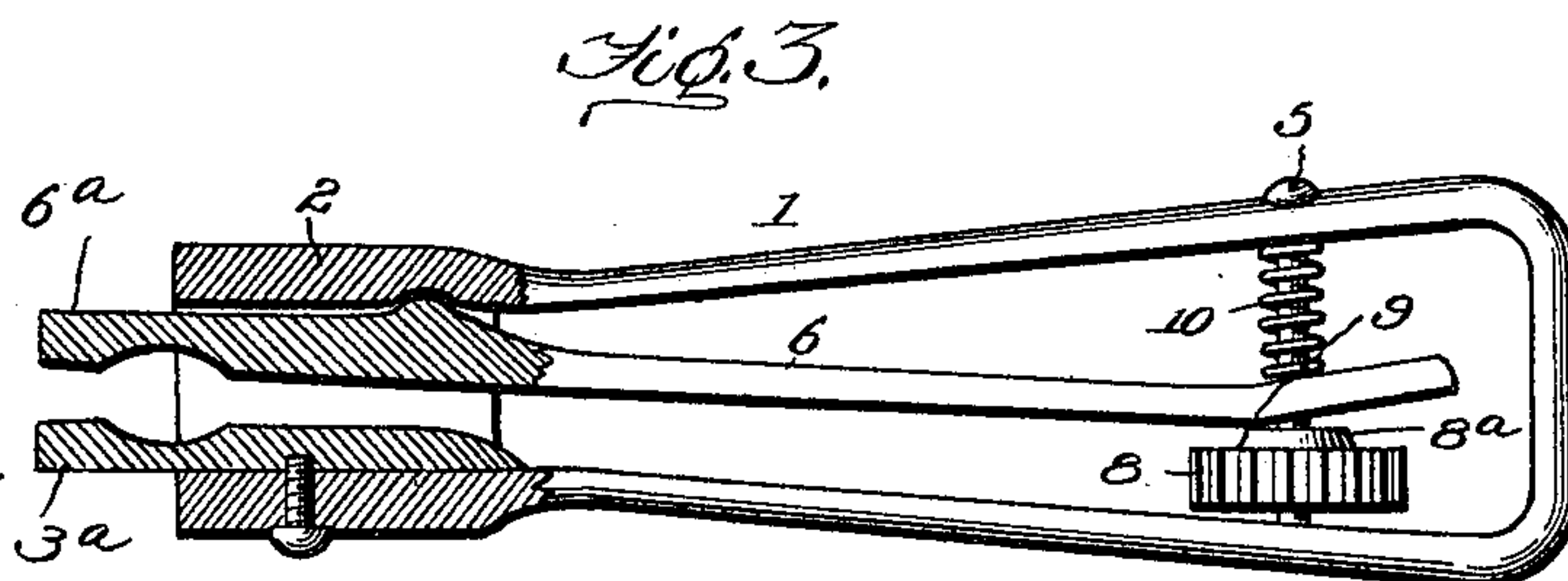
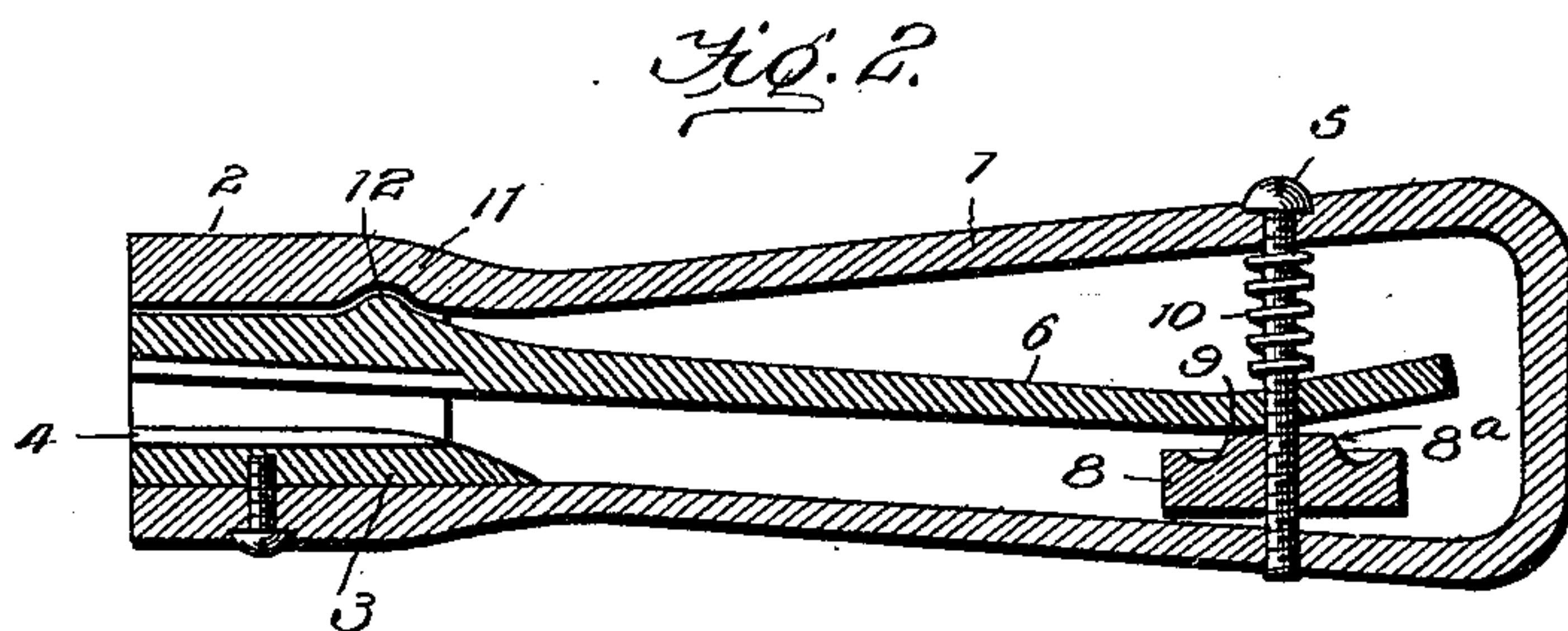
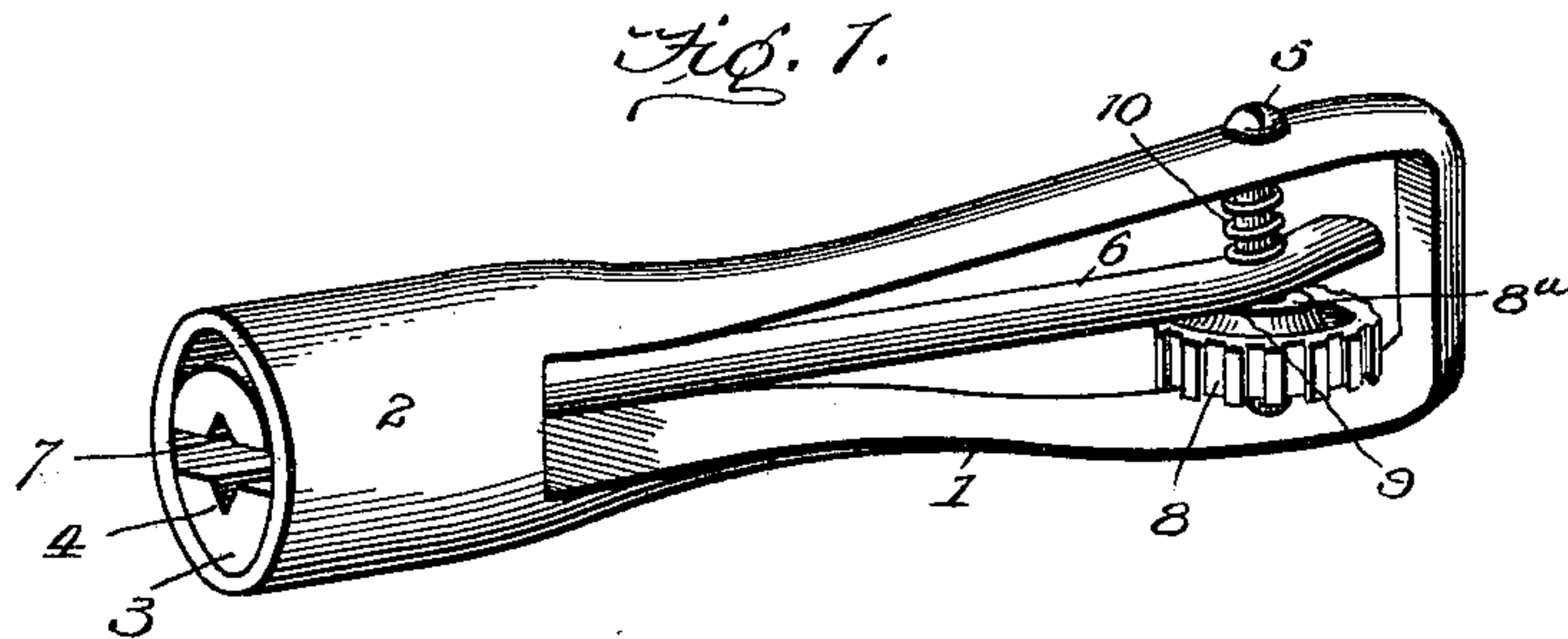
No. 672,125.

Patented Apr. 16, 1901.

A. P. HEIDT.
COMBINATION TOOL.

(Application filed Sept. 12, 1900.)

(No Model.)



Inventor

A. P. Heidt.

Witnesses

Harry A. Rohrer,
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UNITED STATES PATENT OFFICE.

ALLEN PAUL HEIDT, OF BAYSHORE, NEW YORK.

COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 672,125, dated April 16, 1901.

Application filed September 12, 1900. Serial No. 29,824. (No model.)

To all whom it may concern:

Be it known that I, ALLEN PAUL HEIDT, a citizen of the United States, residing at Bayshore, in the county of Suffolk and State of New York, have invented new and useful Improvements in Combination-Tools, of which the following is a specification.

My invention relates to a combined tool-handle and vise, the object being to provide an effective device of this character of simple and durable construction which may be easily manipulated to serve either as a vise or a tool-handle.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form a part of this specification, and its novel features will be defined in the appended claims.

In the drawings, Figure 1 is a view in perspective of a combination tool-handle and vise embodying the invention. Fig. 2 is a central longitudinal section of the same; and Fig. 3 is a side elevation, partly broken away, of a modified form of the invention.

The reference-numeral 1 designates the loop or frame of a handle having a sleeve or socket 2 formed longitudinally thereof. Within the sleeve or socket 2 is secured a fixed jaw 3, having a notch 4 serving as a part of a seat for the shank or stem of a tool.

5 designates a screw extending transversely through the loop 1 adjacent to its outer end, and said screw extends through an opening in a lever 6, which is of sufficient length to extend into the socket or sleeve 2 to constitute the movable jaw of the device, the end of which is flush with that of the fixed jaw 3, and the inner face of which is provided with a notch 7, which alines with the notch 4 in the jaw 3.

Upon the screw 5 is mounted a thumb-nut 8, having a boss 8^a, which is adapted to bear against the adjacent end of the lever 6, the latter being beveled adjacent to the nut 8 to form a fulcrum-point 9 to bear against the nut.

A coil-spring 10 surrounds the screw 5 between the lever 6 and the adjacent side of the loop 1 of the handle, the function of said

spring being to normally tilt the lever 6 upon its fulcrum 9, thus separating the jaw end of the lever from the fixed jaw 3 within the socket or sleeve of the handle.

It will be obvious from the illustration in Figs. 1 and 2 that the revolution of the nut 8 will force the jaw end of the lever 6 toward the jaw 3, thus firmly clamping between said jaws any article which may be placed between them. When the device is employed as a tool-handle, the shank or stem of the tool is securely clamped in the manner above described, and may be readily released by moving the nut 8 in the reverse direction.

I preferably provide the movable jaw or lever 6 of the device with a lug or projection 11, adapted to enter a corresponding groove or depression 12, formed in the frame of the handle.

In the modification shown in Fig. 3 the construction differs from that of the other figures only in that the jaws 3^a and 6^a are extended beyond the edge of the sleeve or socket 2, thus better adapting the invention for use as a vise for jewelers' or other special work.

I claim—

1. A combination tool-handle and vise comprising a frame having a loop and a sleeve or socket; a fixed jaw secured within the sleeve or socket; and a spring-pressed lever fulcrumed within the loop, and provided with a jaw end.

2. A combination tool-handle and vise, comprising a frame having a loop, and a sleeve or socket; a fixed jaw secured within the sleeve or socket; a screw extending transversely of the loop; a spring-pressed lever supported on said screw and formed with a gripping-jaw at one end; and a nut for adjusting said lever.

3. A combination tool-handle and vise comprising a frame consisting of a loop-handle and a sleeve or socket; a jaw fixed within said sleeve or socket; a screw extending across said loop; a lever through which the screw extends, formed with a gripping-jaw; a spring surrounding the screw, and a nut for adjusting the lever.

4. A combination tool-handle and vise, com-

prising a frame consisting of a loop-handle
and a sleeve or socket; a jaw fixed within
said sleeve; a screw extending across the
loop; a lever having an opening through
5 which the screw extends, one end of said le-
ver being formed with a gripping-jaw, while
its opposite end is beveled to form a fulcrum-
point; and an adjusting-nut arranged on the

screw, and having a boss or projection bear-
ing against said lever. 10

In testimony whereof I affix my signature
in presence of two witnesses.

ALLEN PAUL HEIDT.

Witnesses:

MYRA L. WICKS,
PHEBE E. WICKS.