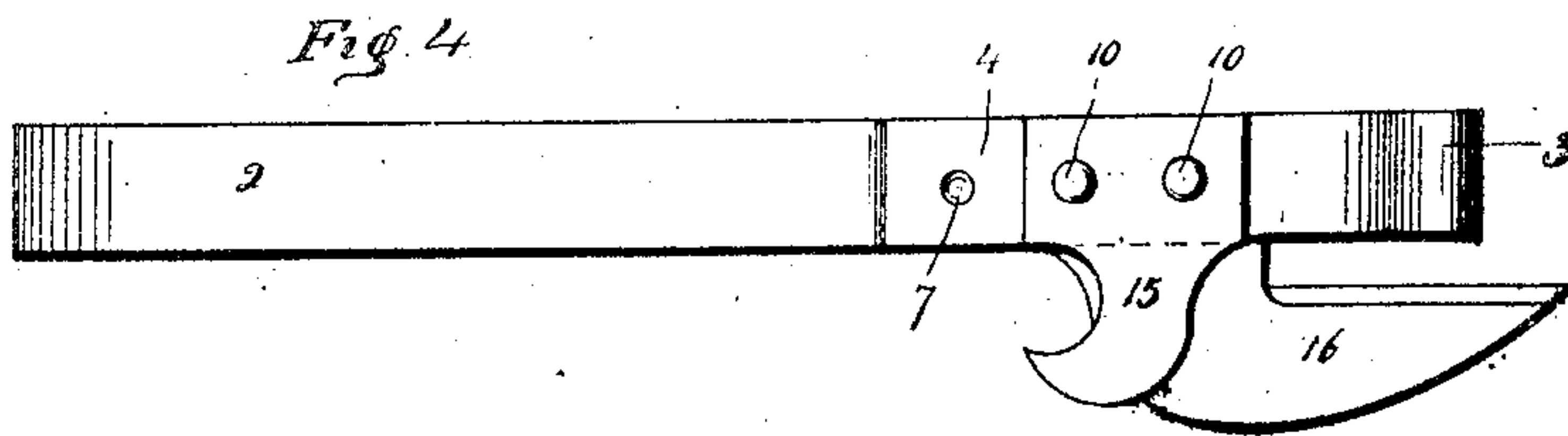
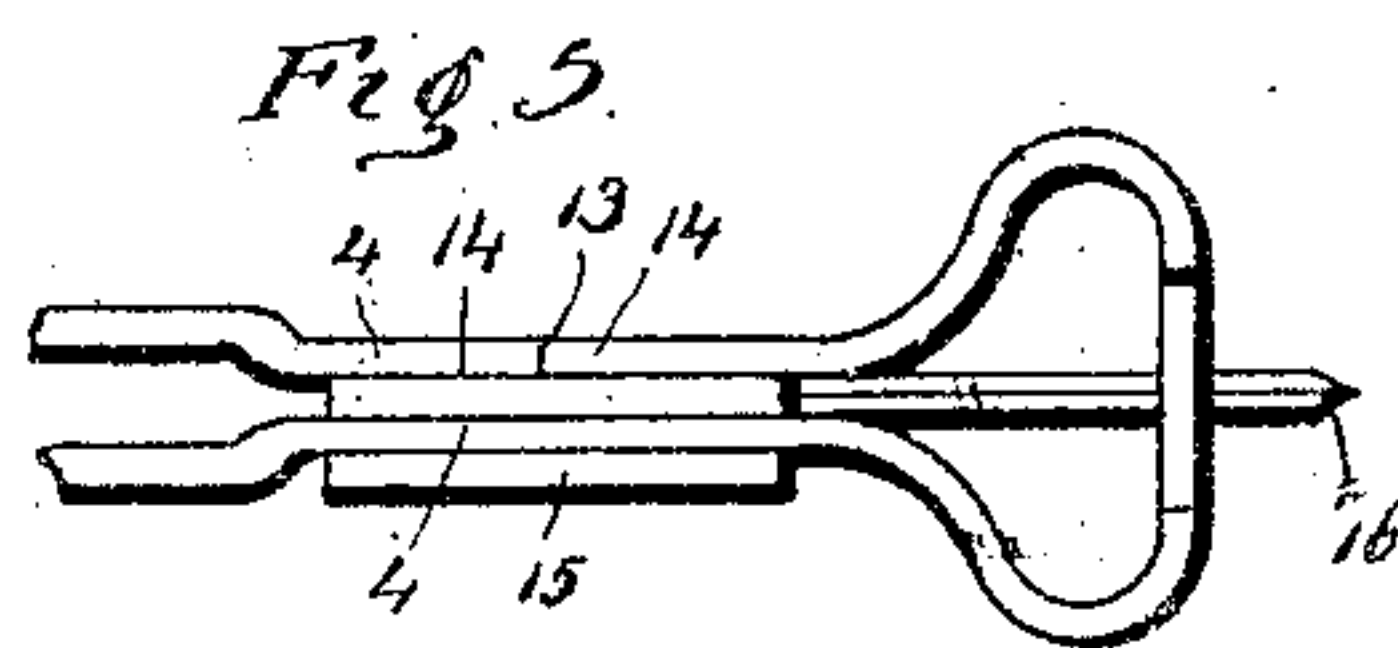
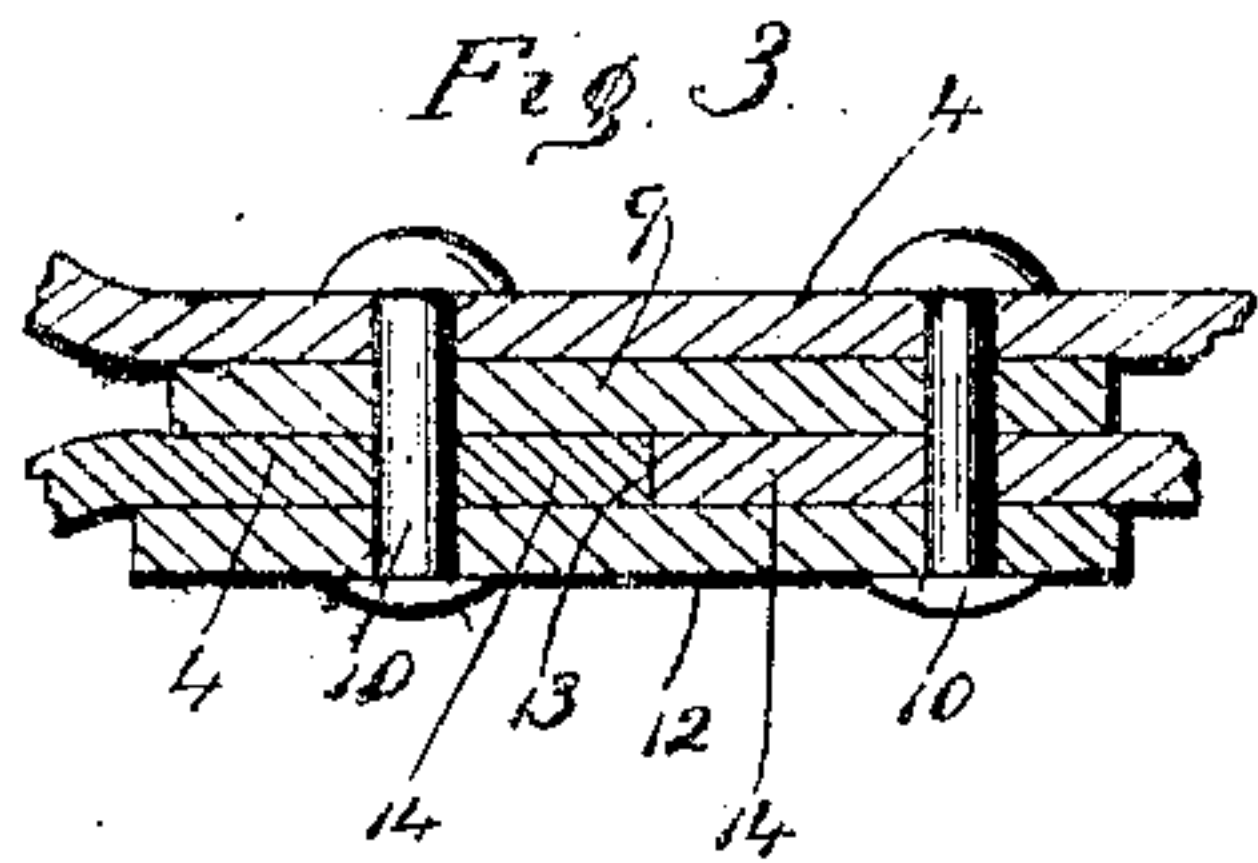
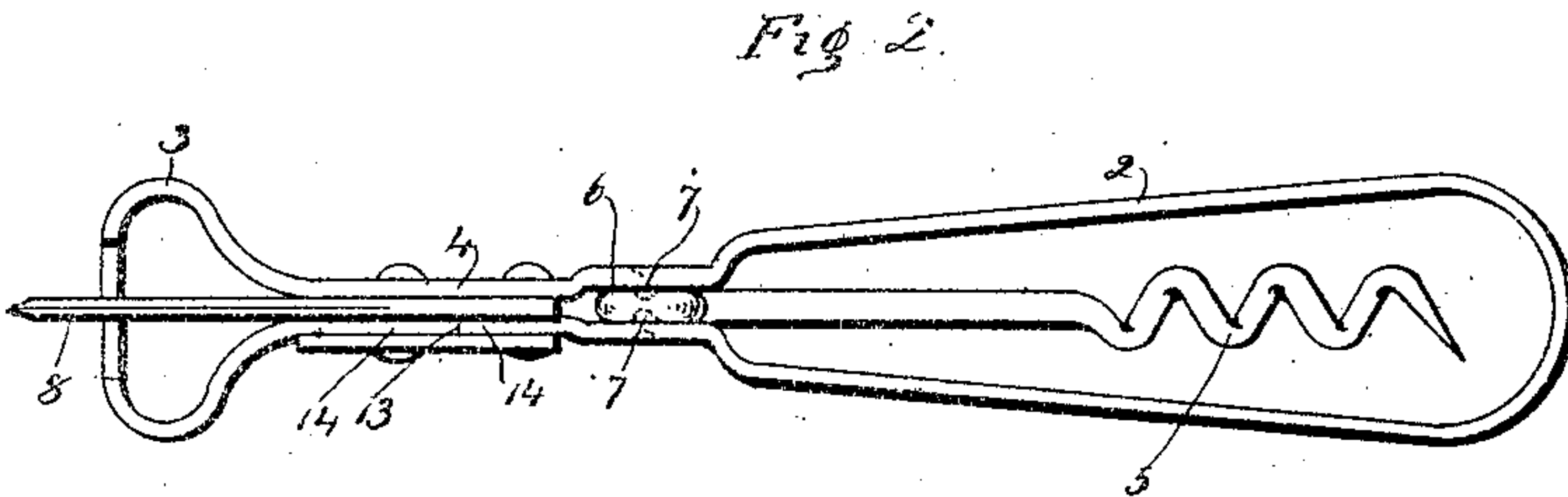
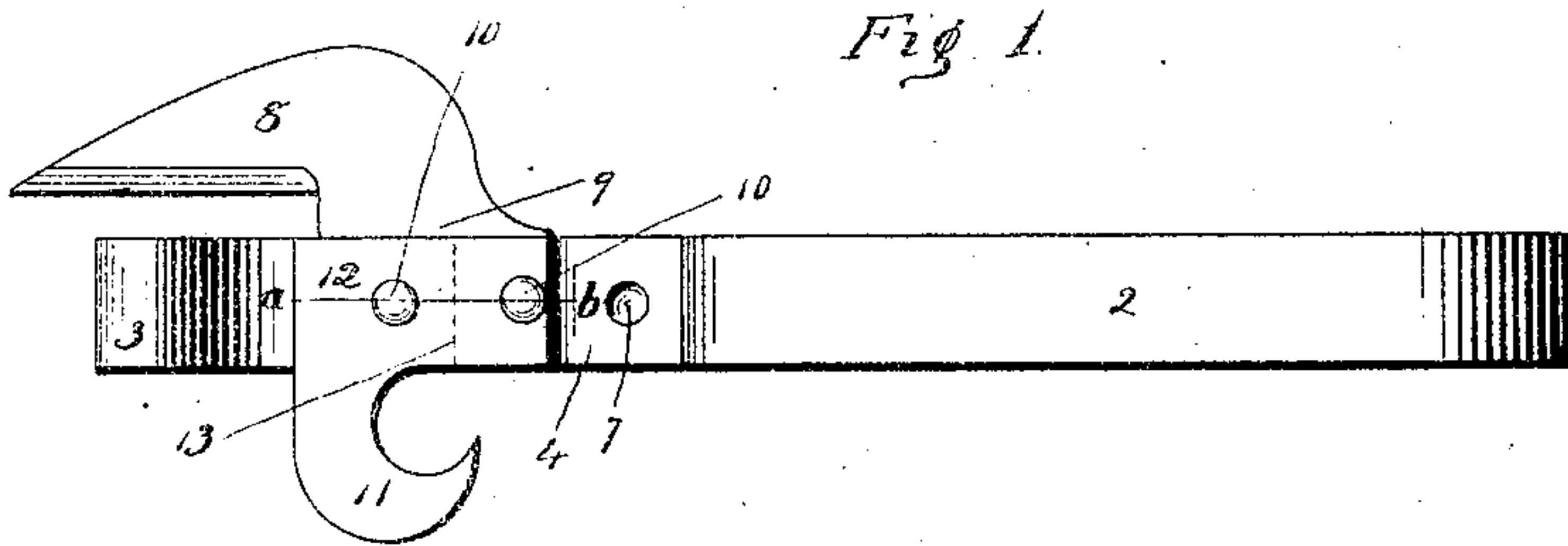


No. 896,577.

PATENTED AUG. 18, 1908.

C. W. REYNOLDS.
COMBINATION TOOL.
APPLICATION FILED JULY 6, 1908.



Witnesses
C. L. Weed
C. J. Reed.

Clark W. Reynolds
Inventor
by Seymour & Co.
Att.

UNITED STATES PATENT OFFICE.

CLARK W. REYNOLDS, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE BROWNE & DOWD MFG. CO., OF MERIDEN, CONNECTICUT, A CORPORATION.

COMBINATION-TOOL

No. 896,577.

Specification of Letters Patent.

Patented Aug. 18, 1908.

Application filed July 6, 1908. Serial No. 442,030.

To all whom it may concern:

Be it known that I, CLARK W. REYNOLDS, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Combination-Tools; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a view in side elevation of a combination tool constructed in accordance with my invention. Fig. 2 a plan view thereof. Fig. 3 an enlarged sectional view on the line *a-b* of Fig. 1. Fig. 4 a view in side elevation of one of the modified forms which the device may assume. Fig. 5 a broken plan view thereof.

My invention relates to an improved combination tool of the type designed to provide for opening sheet-metal cans and for uncorking and uncapping bottles, the object being to produce a simple, convenient, durable and effective combination tool constructed with particular reference to lightness and strength.

In carrying out my invention as herein shown, I employ a heavy sheet-metal strap bent to form a hollow fulcrum 3 and the shank 4 of the device, the axis of the said fulcrum 3 being located at a right angle to the axis of the handle 2 and shank 4. Within the handle 2 I locate a cork-screw 5 formed at one end with an eye 6 entering one end of the shank 4 and receiving trunnions 7 struck inward from the parallel sides of the shank. This cork-screw provides for extracting ordinary corks from bottles. For opening sheet-metal cans I provide a knife 8 extending under the fulcrum 3 and slightly beyond the same and having a plate 9 offset from it at a right angle and inserted between the portions of the said strap forming the shank 4 and secured in place by transverse rivets 10.

To provide for uncapping bottles or, in other words, for removing the shallow corrugated sheet-metal caps now so largely employed for capping beer bottles, I employ an uncapping hook 11 formed upon a plate 12 which as shown is applied to the shank 4 over the joint 13 formed by the abutting ends 14

of the sheet-metal strap, these ends forming one side of the shank 4. The rivets 10 pass through the plate 12 as shown, whereby the said plate with its uncapping hook 11, the shank 9 of the knife 8 and those portions of the strap lying between the handle 2 and the fulcrum 3 are rigidly bound together. The device is therefore reinforced at its weakest point which will be found in the shank as the ends of the strap forming the handle and the fulcrum must be abutted in the shank in a construction like that shown in which the strap is bent to be continuous in the handle and fulcrum.

In the modified construction shown by Fig. 4, the principle followed is the same, the only difference being that the uncapping hook 15 is arranged to project from the same side of the device as the knife 16 and is placed on the opposite side of the shank from the abutting edges of the strap, and does not therefore actually cover the joint produced by such abutment though it reinforces and stiffens the shank.

I claim:—

In a combination tool for opening sheet-metal cans and removing corks and caps from bottles, the combination with a sheet metal strap bent to form a hollow handle, a hollow fulcrum and a shank located between the said handle and fulcrum, the ends of the strap being abutted on one side of the said shank; of a cork-screw located in the said hollow handle, a knife located below the said fulcrum and extending beyond the same and formed with a plate which is interposed between the portions of the strap forming the said shank, an uncapping hook formed with a plate, applied to the outside of the said shank, and rivets passing transversely through the plate of the knife, through the plate of the hook and through the said shank, the said rivets being located on opposite sides of the joint formed by abutting the ends of the strap in forming the shank.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

CLARK W. REYNOLDS.

Witnesses:

HENRY T. KING,
CHAS. S. PALMER.