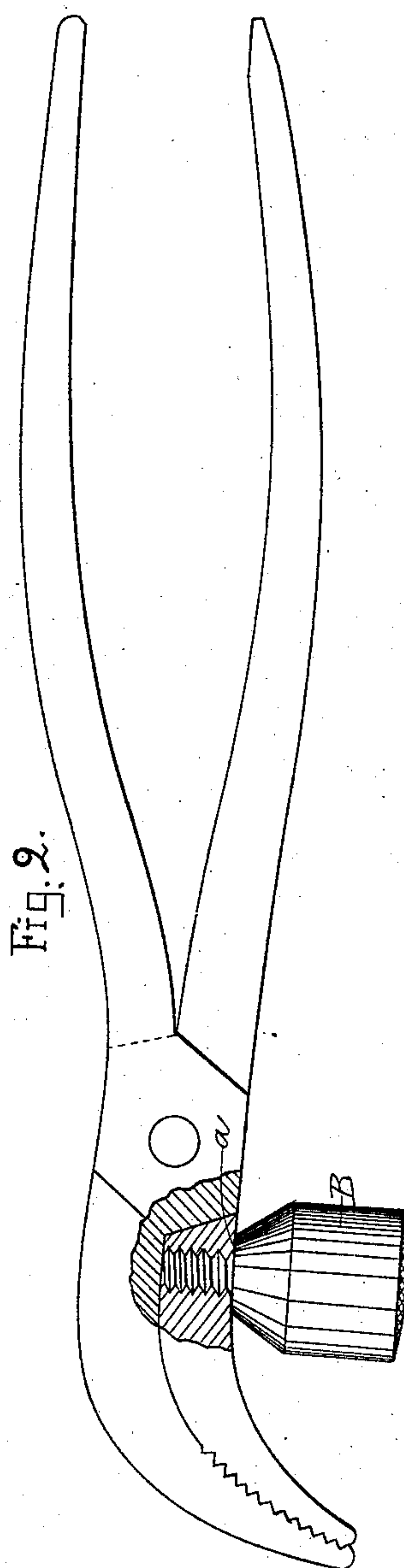
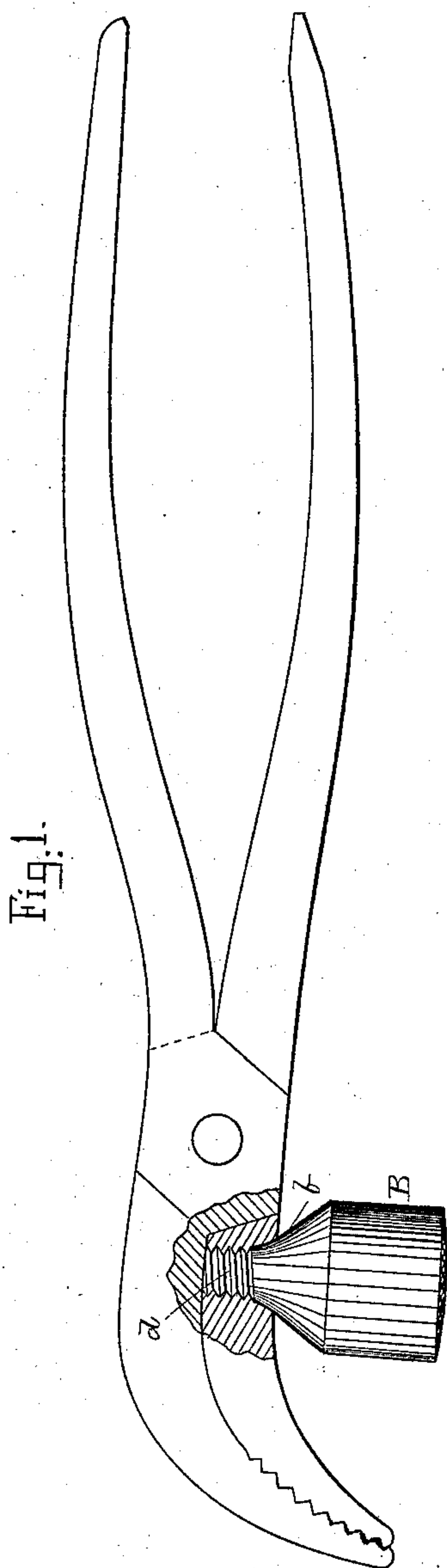


(No Model.)

F. W. WHITCHER.
LASTING PINCHERS.

No. 372,246.

Patented Oct. 25, 1887.



Witnesses.

Robert Wallace,
H. A. Thompson.

Inventor.

Frank W. Whitcher
by W. A. Macleod
his atty

UNITED STATES PATENT OFFICE.

FRANK W. WHITCHER, OF BOSTON, MASSACHUSETTS.

LASTING-PINCHERS.

SPECIFICATION forming part of Letters Patent No. 372,246, dated October 25, 1887.

Application filed May 28, 1887. Serial No. 239,657. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. WHITCHER, of Boston, county of Suffolk, and State of Massachusetts, have invented certain new and useful Improvements in Lasting-Pinchers, of which the following is a specification, reference being had to the drawings accompanying and forming a part hereof, in which—

Figure 1 is a view of a pair of pinchers broken away to show my improvement. Fig. 2 is a like view showing the pinchers as now made.

Lasting-pinchers which are provided with a hammer, B, having a screw-shank adapted to be screwed into a threaded socket on the under jaw of the pinchers, are now constructed, so far as known to me, as shown in Fig. 2—that is, the hammer B is formed with a shoulder at *a*, which rests against the jaw of the pinchers, the screw-shank projecting directly from the shoulder or top of the hammer. Such a hammer is liable to break when subjected to a side blow, the line of breakage being at or near to the point where the screw shank joins the top of the hammer. To prevent the breakage at this point and strengthen the hammer are the objects of my invention, which consists in con-

structing the shank of the hammer B as shown in Fig. 1—that is, by joining the hammer to its screw-shank by means of a tapering or conical portion, as shown at *b*. The socket to receive the shank is made with a corresponding flare at its mouth, so that when the screw-shank *d* is screwed down into the socket a portion of the tapering shank *b* next the screw-shank will be received into the flaring mouth of the socket, thus doing away with any shoulder and giving the hammer B substantial support against any side strain to which it may be subjected. The pinchers can be constructed in this manner as easily and as cheaply as in the old manner, while the strength and durability of the hammer are very much increased.

What I claim is—

A pair of lasting-pinchers provided with a hammer, as B, having a tapering or conical shank, as *b*, a portion of said tapering shank being received in a correspondingly-shaped socket in the pinchers, for the purposes and substantially as shown and described.

FRANK W. WHITCHER.

Witnesses:

WM. A. MACLEOD,
ROBERT WALLACE.