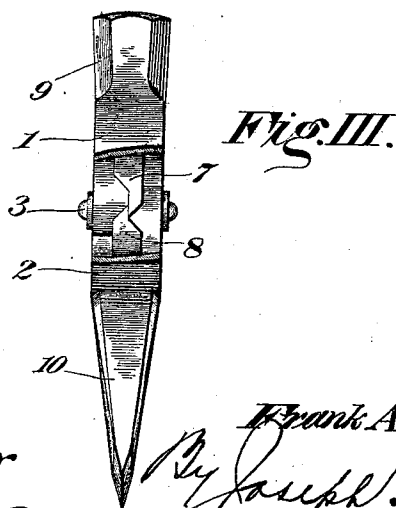
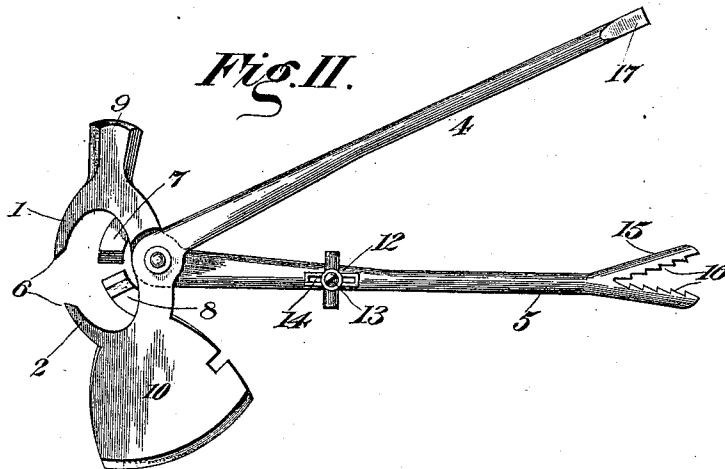
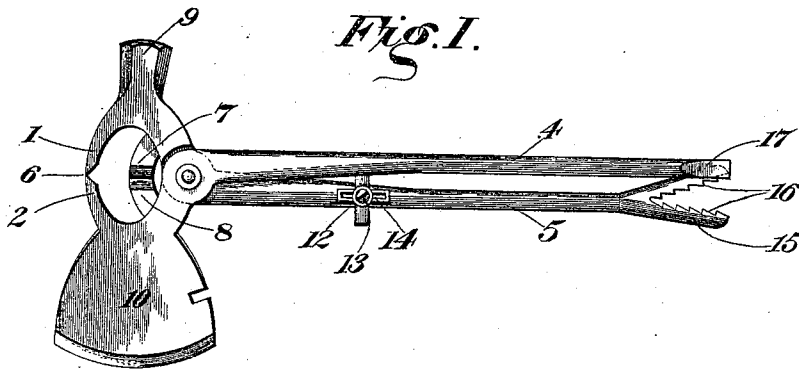


(No Model.)

F. A. ROSEMAN.
COMBINATION TOOL.

No. 570,188.

Patented Oct. 27, 1896.



Witnesses

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UNITED STATES PATENT OFFICE.

FRANK A. ROSEMAN, OF LANHAM, NEBRASKA.

COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 570,188, dated October 27, 1896.

Application filed January 14, 1896. Serial No. 575,469. (No model.)

To all whom it may concern:

Be it known that I, FRANK A. ROSEMAN, of Lanham, county of Gage, State of Nebraska, have invented certain new and useful Improvements in Combination-Tools, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to produce improvements in combination-tools that are adapted for a variety of uses, and which on account of the construction and relations of their several parts are especially adapted to the different uses for which they are designed.

In the accompanying drawings, Figure I is a side elevation of my tool closed. Fig. II is a similar view showing the same completely open. Fig. III is a front view of the tool with a portion of the abutting nipper-jaws cut away.

Referring to the figures on the drawings, 1 indicates one of the bows of a pair of nipper-jaws, and 2 the other.

3 indicates the hinge, and 4 and 5 the handles, adapted through the intervention of the hinge to operate the jaws.

6 indicates the abutting edges of the nipper-jaws.

7 and 8 indicate shearing cutter-blades located within the nipper-jaws and projecting, respectively, from the sides thereof.

9 and 10 indicate impact-pieces, one a hammer-head on one of the bows, and the other a cutting-blade upon the opposite bow.

In the foregoing elements are combined a pair of nippers, a pair of shears, and a hatchet. In the use of the hammer-head or the blade the impact of either would be received entirely upon the abutting edges of the nipper-jaws and would soon destroy them. To obviate this defect, I provide between the handles suitable stop mechanism, which is adjustable, so as to allow the abutting edges of the nipper-blades to come in contact, but which relieves them from the danger of becoming dulled by receiving the impact of the blow delivered by the hammer-head or the blade.

I prefer to construct the stop mechanism in the shape of a revoluble rivet-punch 12,

pivotally secured to one of the handles, for example, the handle 5, as by a screw 13, or the like. It is adapted to operate against the edge of the other handle—the handle 4, as illustrated—as against a die, and is pivotally mounted in order to render punches of different sizes available, as in the ordinary manner.

I prefer to employ a slot 14, extending through opposite radii of the punch in order to secure longitudinal adjustment of the punch upon its handle 5, so as to compensate for wear on the abutting edges of the jaws 6.

In using the tool as a hatchet the handles would be liable in practice, without special provision, to pinch the hand of an operator, and thereby render the tool unserviceable. To avoid this defect, I prefer to make the handles substantially parallel throughout their respective lengths and to provide on one of them a projecting wing 15, which overlaps the other handle when the handles are closed and forms means for obtaining a secure grasp upon the handles. The opposite edges 16 of the forked handle may be serrated, so that the fork may be used as a pipe-wrench, whereby it may be made to perform a twofold office. The extremity of the other handle may be formed into a screw-driver blade 17, if preferred.

What I claim is—

1. The combination with a pair of handles and their hinge, of a pair of bowed nipper-jaws carried upon the respective handles upon the side of the hinge opposite the handles, impact-pieces upon the respective jaws and revoluble stop mechanism secured to one handle and adapted to operate against the other handle, and mechanism for adjusting the stop mechanism lengthwise upon the handle to which it is secured, substantially as set forth.

2. The combination with a pair of handles and their hinge, of a pair of bowed nipper-jaws carried upon the respective handles upon the side of the hinge opposite the handles, impact-pieces upon the respective jaws and revoluble stop mechanism secured to one handle and adapted to operate against the other handle, mechanism for adjusting the

stop mechanism lengthwise upon the handle
to which it is secured, the handles extending
substantially in equal lengths and parallel to
each other, and a wing projecting from one
5 handle near its end so as to overlap the other
handle, substantially as and for the purpose
specified.

In testimony of all which I have hereunto
subscribed my name.

FRANK A. ROSEMAN.

Witnesses:

WM. WIETERS,
HENRY WIETERS.