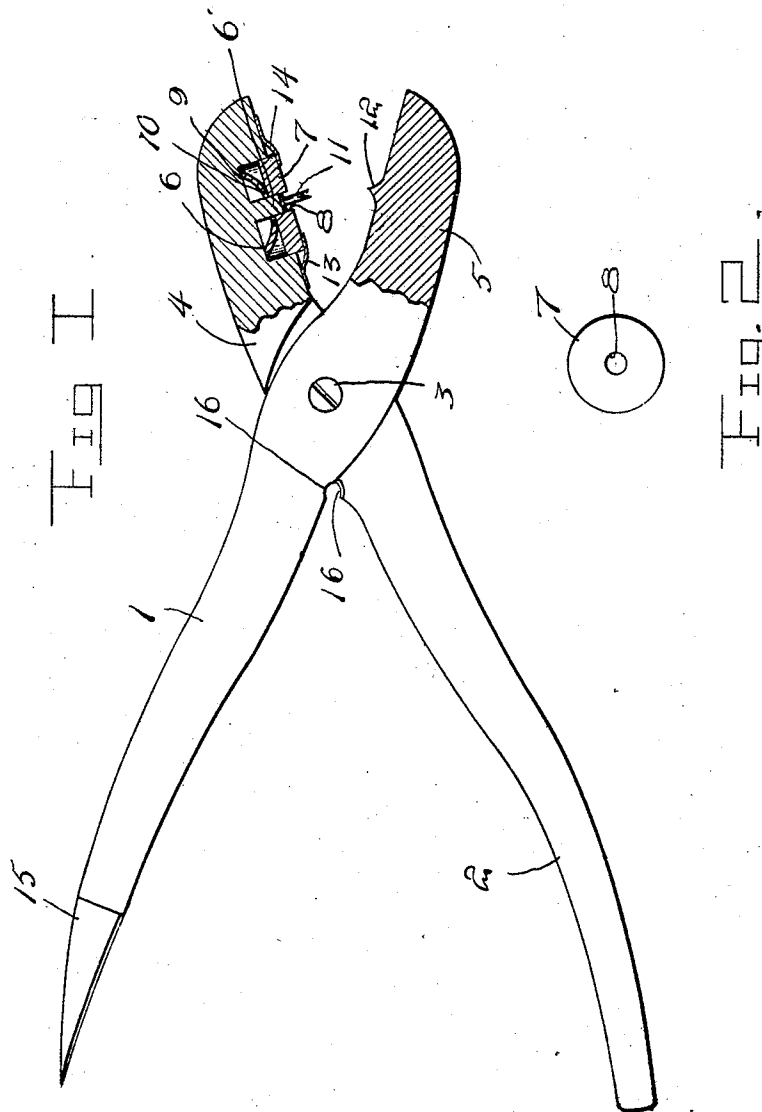


No. 858,228.

PATENTED JUNE 25, 1907.

J. T. SLAUGHTER.
COMBINATION TOOL.
APPLICATION FILED NOV. 1, 1905.



Witnesses
J. C. Simpson.
F. C. Jones

Inventor
James T. Slaughter.
By *Samuel Chandler*

Attorney

UNITED STATES PATENT OFFICE.

JAMES T. SLAUGHTER, OF COLFAX, IOWA.

COMBINATION-TOOL.

No. 858,228.

Specification of Letters Patent.

Patented June 25, 1907.

Application filed November 1, 1905. Serial No. 285,401.

To all whom it may concern:

Be it known that I, JAMES T. SLAUGHTER, a citizen of the United States, residing at Colfax, in the county of Jasper, State of Iowa, have invented certain new and useful Improvements in Combination-Tools; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to riveting devices.

One object is to provide an exceedingly simple, inexpensive, durable and efficient device of the nature stated.

Another object resides in the provision of a riveting device embodying such characteristics that riveting may be quickly and satisfactorily accomplished.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size and minor details may be made, within the scope of the claims, without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings: Figure 1 is a side elevation of the invention partly in section. Fig. 2 is a view of the movable block.

Referring now more particularly to the accompanying drawings, the reference characters 1 and 2 designate handles pivoted together intermediate their ends by means of a suitable pivot 3 resulting in the upper and lower jaws 4 and 5. The inner face of the upper jaw 4 is provided with a circular recess 6 arranged centrally of which and formed integrally with the said jaw, is a depending projection serving as a guide for the displaceable plate 7 provided with a central perforation 8 for engagement with the said guide. This plate 7 is circular so that it may fit within the aforesaid recess 6 and in order to hold the said plate outwardly of the recess; that is, with its rear face out of contact with the bottom of the recess and its front face normally projecting beyond the inner face of the upper jaw, I provide a flat spring 9 whose bight portion is provided with a slot 10 for engagement about the aforesaid guide with its legs engaging the bottom of the recess 6, as shown. By reason of the disposition of

the plate in the manner just stated, a rivet 11 may have its head seated within the perforation 8 of the plate and upon the extremity of the depending guide with its split members in alinement with the spreader 12 formed upon the inner face of the lower jaw 5.

In order to prevent the plate 7 falling entirely out of its seat or recess, I secure oppositely disposed springs 13 and 14 to the inner face of the upper jaw 4 and direct them toward each other, as shown. Obviously, therefore, when the jaws 4 and 5 are brought together, the spreader 12 operates against the slitted end of the rivet and the plate 7 is forced to the bottom of the recess against the action of the spring 9 so that the guide or depending projection 6' may co-operate with the spreader to clench the rivet properly.

My invention when considered as a riveting device should now be well understood, and in conclusion I wish to call attention to the fact I may associate with the device means for cutting wire and also for cutting leather.

It will be noted that the outer end of the handle 1 is beveled, as at 15 to form a knife for the cutting of leather and that each of the handle members 1 and 2 has a notch 16 formed at its inner end in the rear of the pivot 3, for the purpose of cutting wire. Of course the edges of the said notches are beveled or otherwise formed to present sharp edges.

What I claim is:

1. A device of the class described, comprising pivoted jaws, one of said jaws having a recess in its inner face and having a central projection in the recess, a centrally perforated plate slidably engaged in the recess for movement into and out of the latter, said projection being engaged in the perforation of the plate, a bowed spring plate disposed with its ends against the bottom of the recess and lying with its convex side against the first named plate, to hold said plate at the outward limit of its movement, said bowed plate having an opening in which the projection is slidably received, springs secured to the inner face of the recessed jaw and extending over the first named plate, to prevent disengagement of said plate from the recess.

2. A device of the class described comprising pivoted jaws, one of said jaws having a recess in its inner face and having a central projection in the recess, a plate slidably

engaged in the recess for movement into
and out of the latter, and having a central
opening in which the projection is slidably
engaged, a bowed spring plate disposed with
5 its ends against the bottom of the recess and
having an opening in which the projection is
received, the convex side of said spring con-
tacting with the plate to hold the latter
yieldably against inward movement, and re-
10 taining devices arranged to limit the down-

ward movement of the first-mentioned plate,
said plate being arranged to receive a rivet
within its opening when at the outward limit
of its movement.

In testimony whereof, I affix my signature, 15
in presence of two witnesses.

JAMES T. SLAUGHTER.

Witnesses:

FRANK LACH,

P. E. JOHANNSEN.