

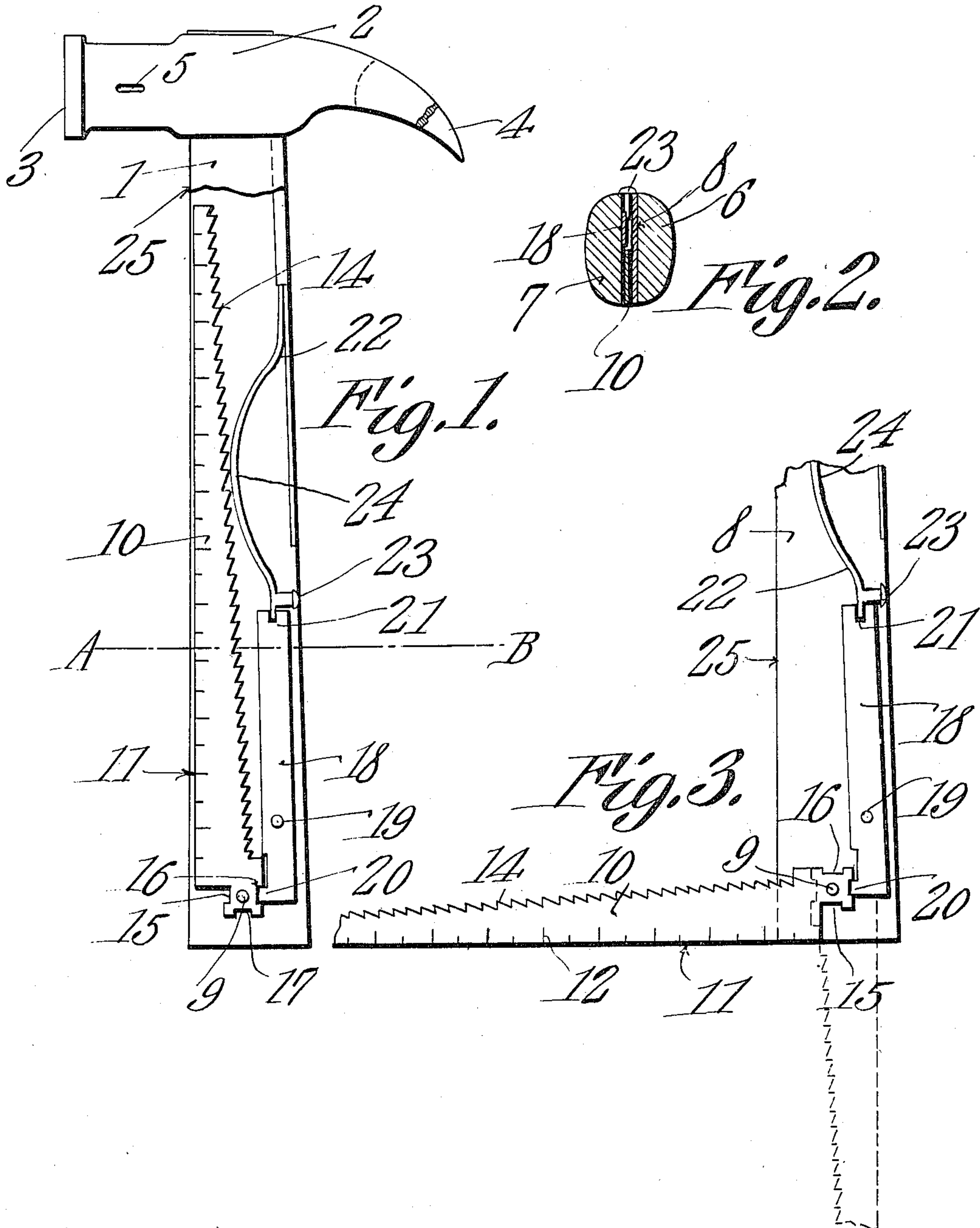
H. T. MONTGOMERY.

TOOL.

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981,786.

Patented Jan. 17, 1911.



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

HENRY T. MONTGOMERY, OF WEATHERFORD, TEXAS.

## TOOL.

981,786.

Specification of Letters Patent. Patented Jan. 17, 1911.

Application filed January 8, 1910. Serial No. 537,057.

*To all whom it may concern:*

Be it known that I, HENRY T. MONTGOMERY, a citizen of the United States, residing at Weatherford, in the county of Parker and State of Texas, have invented a new and useful Tool, of which the following is a specification.

It is the object of this invention to provide, in a tool having a pivotally mounted blade, a means for holding the said blade in predetermined positions with respect to the handle and to provide a spring for actuating and controlling said means, the spring being adapted, moreover, to force the blade out of the handle.

In the accompanying drawings,—Figure 1 shows the invention in longitudinal section, parts being left in elevation; Fig. 2 is a transverse section upon the line A—B of Fig. 1; and Fig. 3 is a longitudinal section of the device, showing the parts of the same in different positions from those shown in Fig. 1 of the drawings, parts being broken away.

The invention includes, as a primary element, a handle 1, upon one end of which is mounted a transverse head. The head 2 is provided at one end, with a striking face 3, and, at the other end, with a claw 4. Intermediate the striking face 3 and the handle 1, the head 2 of the hammer is provided with a transverse opening 5, extending entirely through the head of the hammer. A fence wire may be passed through this opening 5 in the hammer head, and, through the medium of the handle 1, the same serving as a lever, be twisted about the head 2, the device in such instance serving as a wire stretcher.

The handle of the hammer is split longitudinally, to form two sections 6 and 7. These sections may be spaced apart slightly, to define a chamber within the hammer handle, and the inner face of the section 6 may be lined with a bearing plate 8, as shown in Fig. 2 of the drawings.

Adjacent the end of the handle 1, a pivot element 9 is extended transversely through the constituent members of the handle 1, this member 9 serving as a pivotal mounting for a blade 10, which, as shown clearly in Fig. 1 of the drawings, is adapted to be folded into the handle 1, within the contour of the same. This blade 10 is provided

with a straight outer edge 11, having graduations 12 thereon, so that the said outer edge 11 may, if desired, be employed as a straight edge or as a ruler. As shown most clearly in Fig. 3 of the drawings, the straight edge 11 of the blade 10 is adapted to be locked at right angles to one edge 25 of the hammer-handle, the hammer-handle and the blade in such instance, serving as a square.

The opposite longitudinal edge of the blade 10 is provided with a plurality of teeth 14, whereby the blade may be adapted to serve as a saw. As shown in Fig. 1 of the drawings, when the blade 10 is folded within the handle 1, the teeth 14 of the blade will be housed within the contour of the handle and protected against injury; and, as shown in Fig. 3 of the drawings, when it is desired to use the blade 10 as a saw, the said blade may be locked in alinement with the handle 1, the handle in such case serving as a means for manipulating the saw. In this connection, it should be noted that the transverse head 2 which is mounted upon the handle 1, is adapted to be grasped, to facilitate the manipulation of the saw, when the latter is disposed as shown in dotted lines in Fig. 3 of the drawings.

I will now describe the mechanism whereby the blade 10 may be locked in the several positions hereinbefore mentioned.

It will be seen that the blade 10, adjacent its point of pivotal mounting, is provided with notches 15 and 16, and that, in the end of the blade 10, there is another, similarly formed notch 17. These notches 15, 16 and 17, are adapted to be engaged successively, by a finger 20, protruding from one end of a latch 18, which is pivoted, at 19, intermediate its ends, within the handle 1. When the finger 20 is in engagement with the notch 15, the blade 10 will outstand, in alinement with the handle 1, as shown in dotted lines in Fig. 3 of the drawings. When the finger 20 is in engagement with the notch 17, the edge 11 of the blade 10 will be disposed at right angles to the edge 25 of the hammer-handle 1, as shown in Fig. 3 of the drawings in solid lines, the device in such instance, being adapted to be used as a square. Finally, when the finger 20 is in engagement with the notch 16, as shown in Fig. 1 of the drawings, the blade 10 will be housed entirely within the contour of the handle 1.



The end of the latch 18 which is remote from the finger 20, is provided with a notch 21, and this notch 21 is adapted to receive one end of a spring plate 22, the other end of which is secured to the handle 1, adjacent the transverse head 2. This spring plate 22 serves to maintain the finger 20 in engagement, successively, with the notches 15, 16 and 17. In order to tilt the latch 18, so that the blade 10 may be moved from one position to another, the spring plate 22 is provided with a knob 23, adapted to stand beyond the exterior face of the handle 1, whereby the spring plate may be manipulated from the exterior of the device.

The spring plate 22 is bent intermediate its ends, as denoted by the numeral 24, so that the said bent portion 24 may bear against the teeth 14 of the blade 10, when the blade 10 is folded into the handle. By this construction, as soon as the knob 23 is depressed, the spring, engaging the saw, will throw the same backwardly out of the handle 1 in which it has hitherto been housed, the spring, in such case, serving not only as a means for holding the latch 18 in engagement with the blade 10, but, as well, as a means for actuating the blade into an open position.

Having thus described the invention what is claimed is:—

A device of the class described comprising a handle; a blade pivoted in the handle and foldable thereinto; a latch pivoted intermediate its ends in the handle and adapted at one end to engage the blade to hold the blade in the handle and to hold the blade in other predetermined positions with respect to the handle; a spring secured adjacent one end of the handle and at the other end arranged to engage the other end of the latch to hold the latch in engagement with the blade, the spring being curved intermediate its ends, to bear against the blade when the blade is folded into the handle, whereby, when the latch is tilted to break the engagement between the latch and the blade, the spring will exert simultaneously a pressure against the blade to swing the blade out of the handle.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HENRY T. MONTGOMERY.

Witnesses:

J. W. CHILDRESS,  
E. H. MARTIN.