

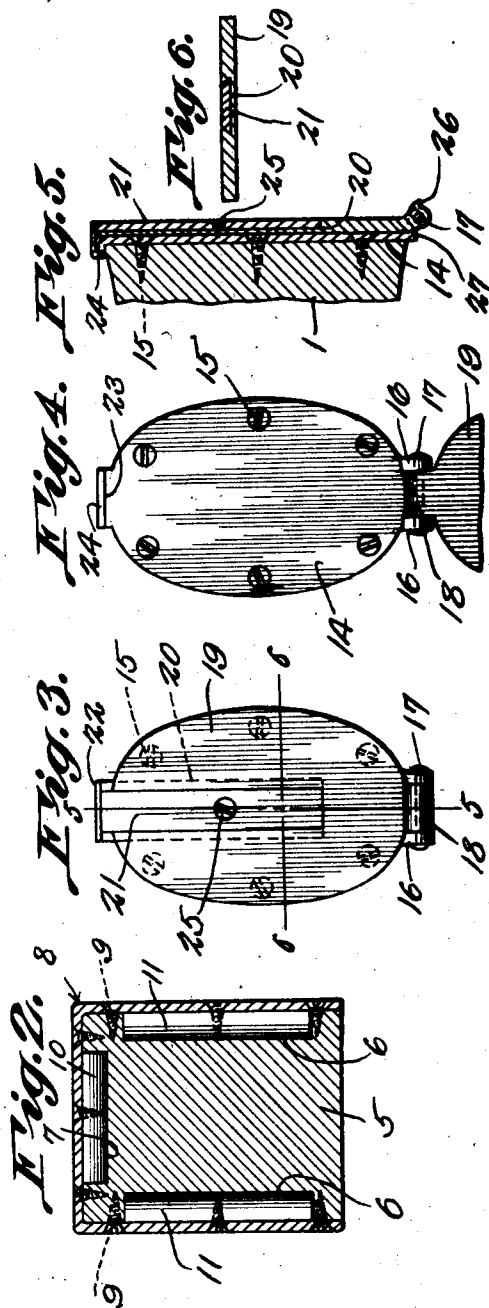
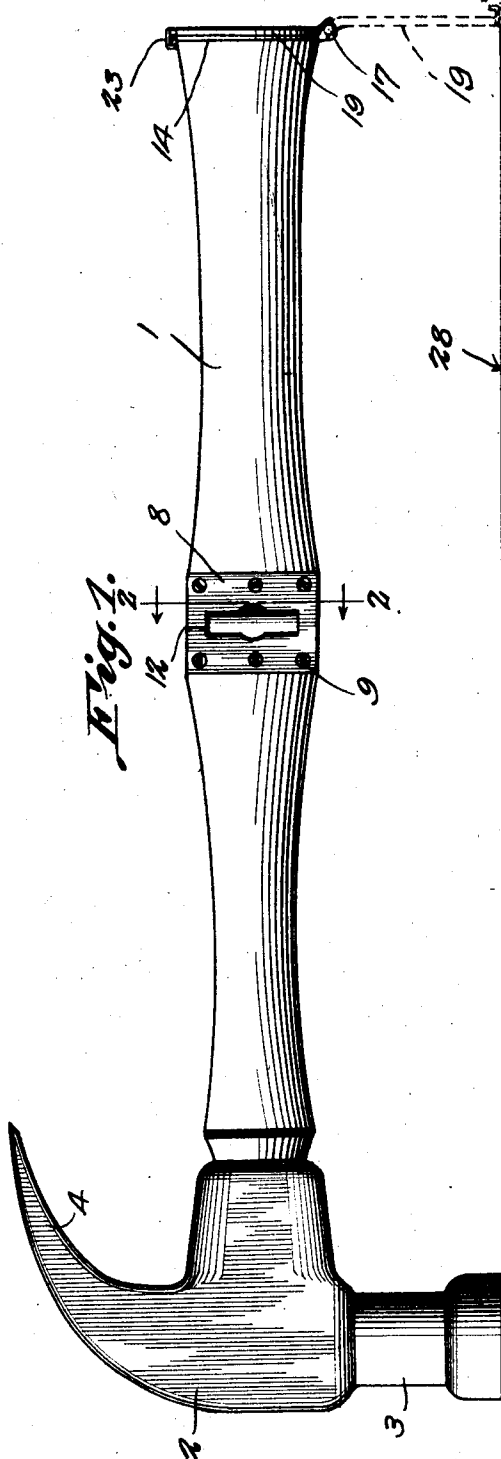
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HAMMER LEVEL

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UNITED STATES PATENT OFFICE.

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HAMMER LEVEL.

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This invention aims to provide a simple means whereby a hammer or other similar tool may be provided with a level without interfering with the use of the hammer as
5 such.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

10 With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described
15 and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

20 In the accompanying drawings:—

Figure 1 shows in side elevation, a device constructed in accordance with the invention;

25 Figure 2 is a cross section on the line 2—2 of Figure 1;

Figure 3 is an end elevation;

Figure 4 is an end elevation with the movable support swung down into the working position shown in dash line in Figure 1; and

30 Figures 5 and 6 are sections taken, respectively, on the lines 5—5 and 6—6 of Figure 3.

The device forming the subject matter of this application may be embodied in any suitable tool which includes a handle and a transverse head at one end of the handle. In the present embodiment of the invention, a hammer has been selected as the subject of illustration, the hammer comprising a handle 1 and a head 2 on one end of the handle, the
40 head including a peen 3 and a claw 4, although the head 2, of course, may be shaped in any suitable way depending upon the nature of the tool wherewith the device forming the subject matter of this application is assembled.

45 At a point intermediate its ends, the handle 1 has a part 5 which is rectangular in cross section, the part 5 of the handle 1 being supplied with side recesses 6 and with an edge recess 7. The numeral 8 designates a U-shaped bracket which is so formed that it will fit closely about the rectangular part 5 of the handle 1. The bracket 8 is held in place by screws 9, or other fastening devices
50 which enter the rectangular part 5 of the handle. The intermediate portion of the

bracket 8 carries a level vial 10, and there are level vials 11 on the side arms of the bracket 8. The level vial 10 is received in the edge recess 7, and the level vials 11 are received
60 in the side recesses 6. The arms of the bracket 8 and the crown thereof have slots 12 which expose the level vials 11 and 10. The level vials 11 and 10 are disposed transversely of the handle 1.

65 An anchor plate 14 is attached by screws 15, or in any other suitable way, to the end of the handle, the anchor plate 14 substantially covering the said end of the handle. The anchor plate 14 has depending ears 16
70 carrying a pivot element 17, mounted in the reduced end 18 of a support 19 which is substantially coextensive in areas with the anchor plate 14, the support 19 being hinged-ly mounted by means of the pivot element
75 17, so that the support 19 can be swung up against the anchor plate 14, when it is desired to use the tool as a hammer, the construction being such that the support 19 can be swung downwardly into approximately
80 parallel relation to the peen 3 of the tool, when it is desired to employ the device as a level. In the support 19, there is an undercut groove 20 in which a foot 21 is mounted for sliding adjustment. The foot is
85 provided at one end with a spring latch 22, adapted to engage over a lug or keeper 23 on one end of the anchor plate 14. The lug or keeper 23 is bevelled, as shown at 24, so that when the support 19 is swung up into the position shown in Figure 5, the latch 22 will automatically engage with the lug 23. The adjustable foot 21 is held in any position to which it may have been moved, by means of a screw 25 threaded into the foot and adapted
90 to bear against the support 19 at the base of the groove 20. The support 19 is provided near to its hinged mounting 17, with a shoulder 26 which engages one end 27 of the support 19, to hold the foot 19 in parallelism
100 with the peen 3, when the support has been swung down into the position shown in dash line of Figure 1 of the drawing.

In practical operation, the support 19 may be swung downwardly into the dash line position of Figure 1, and the next adjustment may be made by sliding the foot 21 up and down, the foot being held in adjusted position by advancing the screw 25. After the foot 21 has been adjusted, it will need no atten-
110 tion for a long period of time.

The handle 1 constitutes a stock provided

at one end with a fixed transverse support 3, the levels 10 and 11 being mounted on the stock, the movable support 19 being hinged at 17 to the opposite end of the stock, for
5 folding against the stock and for swinging movement into approximate parallelism with the fixed foot 3, whereby the supports 19 and 3 will cooperate to maintain the stock in such a position that the level will be properly
10 positioned with respect to the surface 23 which is to be tested.

Having thus described the invention, what is claimed is:—

1. A device of the class described, comprising a stock provided at one end with a
15 fixed transverse support, a level mounted on the stock and a movable support hinged to the opposite end of the stock for folding against the stock, and for swinging movement
20 into approximate parallelism with the fixed support, whereby the supports will cooperate in maintaining the stock in such

position that the level will be properly located with respect to the surface to be tested.

2. A device of the class described, comprising a stock provided at one end with a
25 fixed transverse support, a level mounted on the stock, a movable support hinged to the opposite end of the stock for folding against the stock and for swinging movement into
30 approximate parallelism with the fixed support, whereby the supports will cooperate in maintaining the stock in such position that the level will be properly located with respect
35 to the surface to be tested, a foot, means for mounting the foot adjustably on the movable support thereby to vary the effective length of the movable support, and means for holding the foot in adjusted positions on the
40 movable support.

In testimony that I claim the foregoing as my own, I have hereto affixed by signature.

SAMUEL O. DUEMLER.