

Nov. 25, 1924.

A. C. BENSON

1,517,043

ADZ HAMMER

Filed Oct. 7, 1921

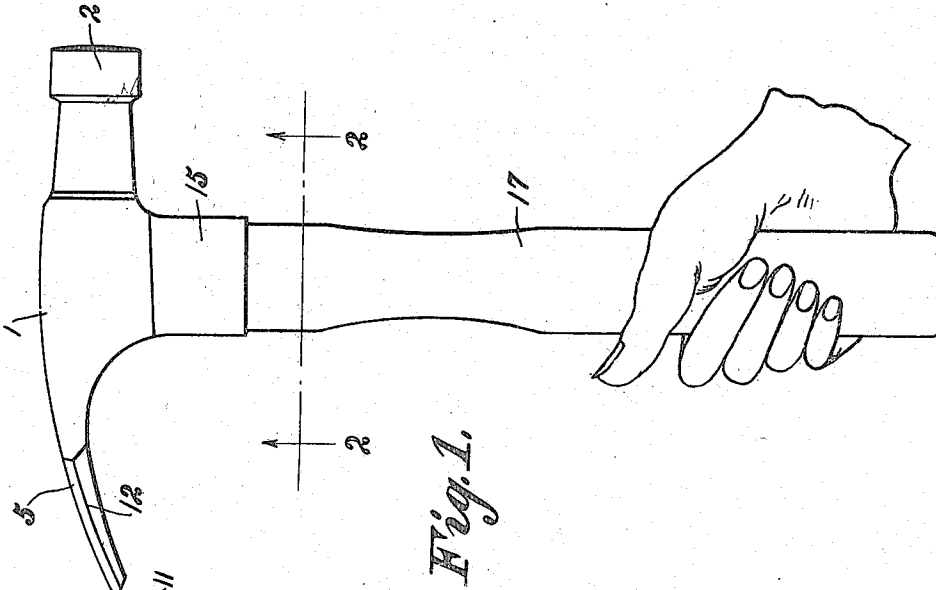


Fig. 1.

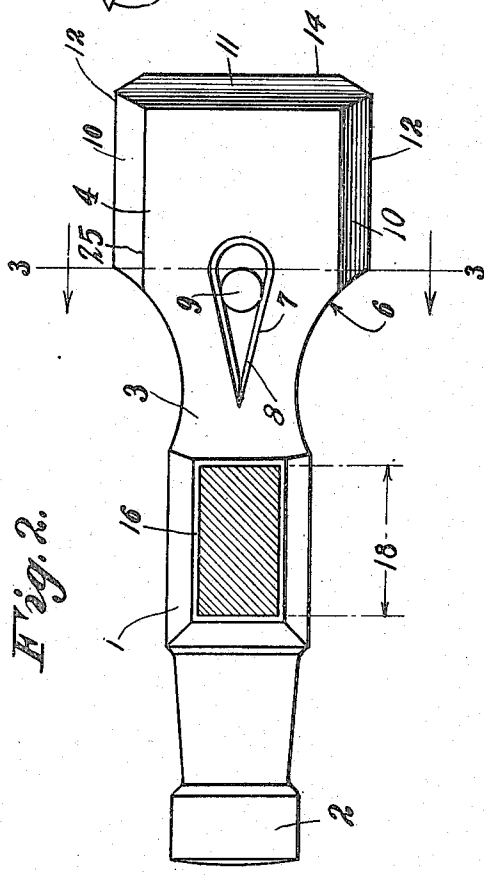


Fig. 2.

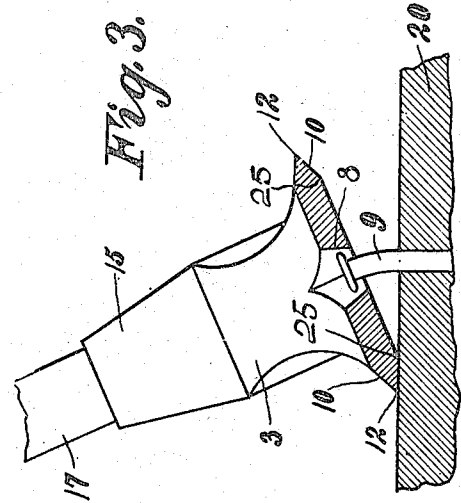


Fig. 3.

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UNITED STATES PATENT OFFICE.

ANDREW C. BENSON, OF BEAUMONT, TEXAS.

ADZ HAMMER.

Application filed October 7, 1921. Serial No. 506,106.

To all whom it may concern:

Be it known that I, ANDREW C. BENSON, a citizen of the United States, residing at Beaumont, in the county of Jefferson and State of Texas, have invented a new and useful Adz Hammer, of which the following is a specification.

The device forming the subject matter of this application is an adz, and the invention aims to provide a tool which will combine the advantages of an adz and a hammer, the blade of the adz being of such a size that it can be used for cutting out relatively narrow grooves or channels, the weight and the size of the tool being such that it may be manipulated readily in one hand.

A further object of the invention is so to construct the tool that the rocking movement thereof, to start a nail or spike will be facilitated.

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.

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 and claimed, it being understood that within the scope of what is claimed, changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in side elevation, a device constructed in accordance with the invention; Figure 2 is a section taken approximately on the line 2—2 of Figure 1; and Figure 3 is a section taken on the line 3—3 of Figure 2, the tool being shown in use, as a means for starting a nail or spike.

The tool comprises a head 1 provided at one end with a peen 2 and including a shank 3 merging into a broadened bit 4, the shank and the bit constituting a blade 6, the blade being curved longitudinally as indicated at 5. In the blade 6, a longitudinal opening 7, of approximately triangular form, is fashioned, the head being beveled or inclined, at the edges of the opening 7, as

shown at 8, to facilitate the holding of a nail 9, during the starting of the nail out of the material 20 whereinto the nail has been driven. At its sides, the bit 4 has inclined surfaces 10, there being an inclined surface 11 at the end of the bit, the inclined surfaces 10 at one side of the broadened bit being approximately parallel to the corresponding inclined surfaces at the other side of the bit. The inclined surfaces 10 exercise a double function in that they form the cutting edges 12 of the adz, and form, also, shoulders 25 whereby the hold of the tool on the material 20 is enhanced, whilst the nail 9 is being started toward the position indicated in Figure 3. The head 1 includes a projecting neck 15 preferably provided with a rectangular or adz eye 16, receiving one end of a handle 17.

The handle 17 is of such a length, and the head 1 is of such a size, that the tool may be manipulated readily in one hand, as shown in Figure 1, the dimensions of the device being such that the cutting edges 12 and 14 may be used on small and light work, for instance, chipping out relatively narrow grooves and the like. The tool is of peculiar utility, in the hands of ship-wrights, although it is of general application and utility. The width of the bit 4 may be varied, but, in order to define the general dimensions of the tool, it may be stated that the width of the bit 4 preferably is less than twice the greatest diameter 18 of the handle 17, the handle being, ordinarily, of a length less than four times the width of a human hand. The point especially insisted upon is that the handle 17 and the head 1 combine to form an adz hammer so light and portable that it may be operated readily in one hand, after the manner of a hammer.

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

An adz comprising a head and a handle assembled with the head, the head being provided with a nail-holding opening and having a broadened bit at one end, the bit having beveled surfaces at its sides, the beveled surfaces at one side of the bit being approximately parallel to the beveled surfaces at the opposite side of the bit, said

surfaces being located adjacent to the opening, and exercising a double function, in that they form shoulders facilitating the hold of the bit, when the head is rocked transversely, during the starting of a nail held in the opening, the said surfaces serving, also, to define cutting edges at the sides of the bit.

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

ANDREW C. BENSON.

Witnesses:

C. B. SHEPARD,
J. A. BARNES.