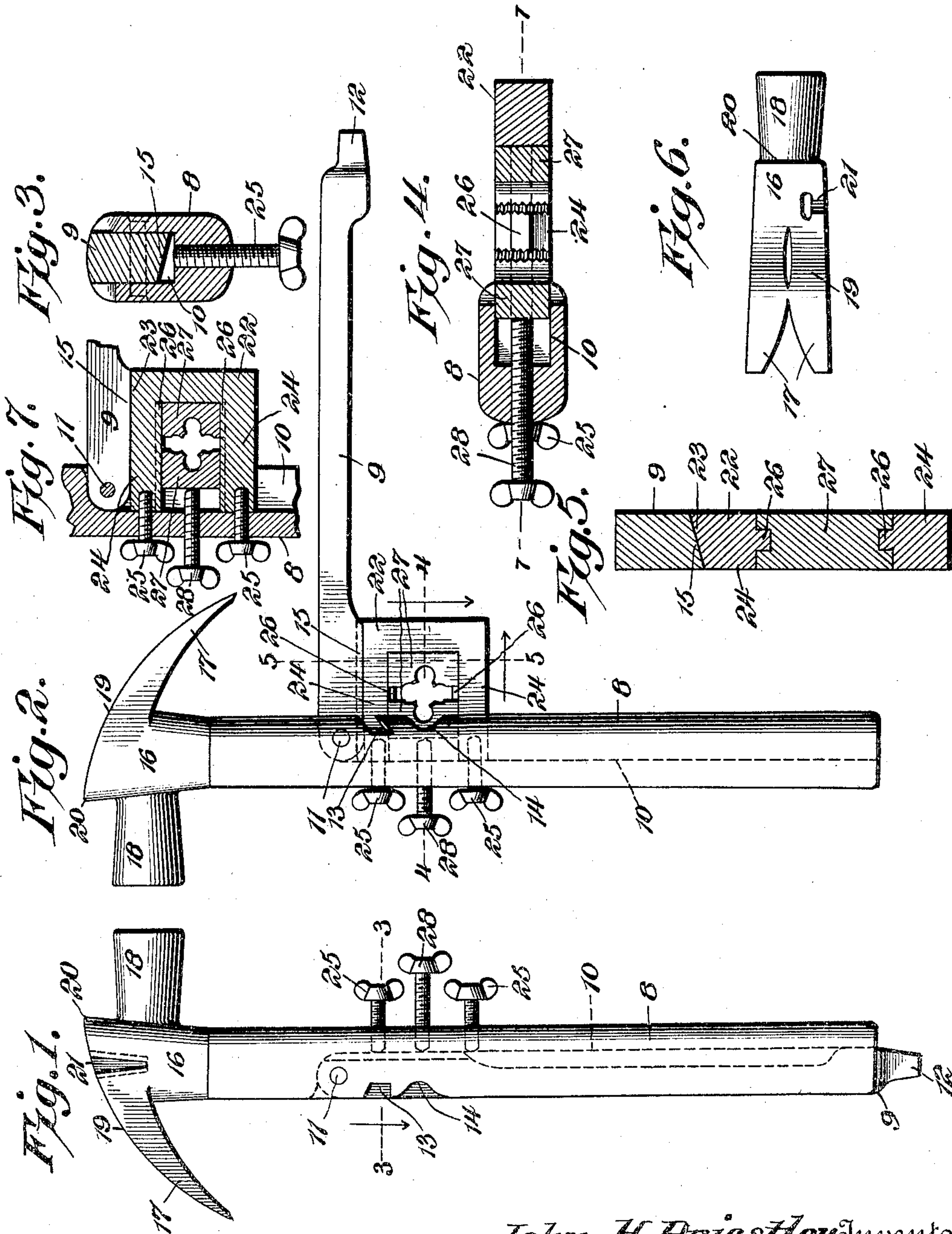


No. 794,310.

PATENTED JULY 11, 1905.

J. H. PRIESTLEY.
COMBINATION TOOL.
APPLICATION FILED MAR. 29, 1904.



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Witnesses

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JOHN H. PRIESTLEY, OF CHEROKEE, IOWA, ASSIGNOR OF ONE-HALF TO
JOHN DE FRAIN, OF SPENCER, IOWA.

COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 794,310, dated July 11, 1905.

Application filed March 29, 1904. Serial No. 200,575.

To all whom it may concern:

Be it known that I, JOHN H. PRIESTLEY, a citizen of the United States, residing at Cherokee, in the county of Cherokee and State of Iowa, have invented a new and useful Combination-Tool, of which the following is a specification.

This invention relates to that class of implements having elements which can be employed for a variety of purposes.

The object is to provide a simple combination of parts wherein certain of the elements coact in a peculiar manner to perform a variety of functions, the whole being so constructed and arranged that it constitutes an efficient tool for the various purposes intended and is capable of being readily and cheaply manufactured.

The preferred form of construction is illustrated in the accompanying drawings, wherein—

Figure 1 is a side elevation of the tool with the die attachment removed. Fig. 2 is a similar view with the die attachment in place. Fig. 3 is a cross-sectional view on the line 3 3 of Fig. 1. Fig. 4 is a similar view on the line 4 4 of Fig. 2. Fig. 5 is a sectional view on the line 5 5 of Fig. 2. Fig. 6 is a top plan view of the hammer-head. Fig. 7 is a sectional view on the line 7 7 of Fig. 4.

Similar reference-numerals indicate corresponding parts in all the figures of the drawings.

In the embodiment illustrated a handle is employed comprising a main member 8 and a supplemental member 9, the member 8 having a longitudinally-disposed slot 10, forming a seat which receives the member 9, the latter being pivoted to the former, as shown at 11. The free end of the member 9 projects beyond the corresponding end of the member 8 and is tapered to form a screw-engaging edge 12, said member 9, in combination with the member 8, thereby forming a screw-driver. The handle member 8 contiguous to the pivot 11 is provided with transverse notches 13 and 14, the former of which has a sharpened edge, while the inner edge of the member 9, which

is movable across this notch, is also sharpened, thus providing a wire-cutter.

The end of the main handle member 8 opposite the projecting portion 12 of the member 9 carries a hammer-head 16, having the usual curved claws 17 and the oppositely-extending projection 18. It will be observed that this projection 18 is inset from the outer edge of the fulcrum-face 19 of the claws, so that a bearing-shoulder 20 is provided, through the medium of which nails may be more readily drawn without bending the same. At one side of the head 16 is located a tapering slot 21, that is undercut and is adapted to receive nail-heads, thereby supporting the nails in projecting relation to the side of the head. With this device nails can be started without the necessity of first holding the same in place with the fingers, and consequently can be driven at points above the reach of the operator.

The handle member 9 is adapted to be swung substantially at right angles to the handle member 8, as illustrated in Fig. 2, and in the angle formed thereby an attachment in the form of a threading-die can be placed. This attachment comprises a frame 22, having a beveled edge 23 to correspond to the cutting edge 15 of the member 9, the frame being sufficiently narrow to fit snugly within the socket 10 of the handle member 8. The two spaced legs 24 of the said frame 22 rest against the bottom of the socket and are secured by thumb-screws 25, threaded through the member 8 and screwed into the legs. The inner sides of the legs 24 carry guide-ribs 26, upon which are detachably and slidably mounted the die-sections 27. Means for adjusting the sections are employed, said means in the present instance consisting of a thumb-screw 28, threaded through the handle member 8 between the screw 25 and bearing against the inner edge of the inner section 27.

The use of the various elements will, it is thought, be clearly apparent. The hammer can be employed in the ordinary manner for driving nails, and such nails may be started, if necessary, out of the reach of the operator,

as already described. Nails and fasteners of various sorts may also be readily drawn through the medium of the claws. The screw-driver may be employed when arranged as illustrated in Fig. 1, or if more power is desired it may be swung outwardly and secured in place by the die attachment, as illustrated in Fig. 2. When threads are to be cut, the dies suitable for the purpose are placed in the frame, and said frame is secured in the socket 10 with the handle members disposed as shown in Fig. 2, the threading device holding the members in their extended relation. A double handle is thus provided, each member constituting one and affording convenient means for rotating the device. It will therefore be apparent that a simple implement is provided which can be cheaply manufactured, and with it a variety of operations may be performed. Moreover, as already shown, the handle members and die attachment coact in a peculiar manner to secure the proper operation of each other.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion, and minor detail of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a tool of the class described, the combination with a handle comprising relatively movable members, one of which has a seat to receive the other, of means for connecting the members, an attachment, and means for securing the attachment in the seat when the handle member is out of the same, said handle member bearing against the attachment when said attachment is in place and constituting means for turning the tool with the attachment thereon.

2. In a tool of the class described, the combination with a handle comprising pivoted members, one of which has a seat to receive the other, of an adjustable threading-die at-

tachment, means for securing the attachment in the seat contiguous to the pivot connection of the members, and means for adjusting the die, said means being carried by the handle member having the seat, the members constituting means for turning the die when the same is attached to the handle.

3. In a tool of the class described, the combination with a handle member provided with a longitudinally-disposed slot, of a supplemental handle member pivoted to the said handle member and adapted to be seated in the slot, a threading-die attachment comprising a frame, screws passing through the handle member contiguous to the pivot connection between the members for securing the frame in the slot of said handle member when the supplemental member is out of the same, cutting-dies adjustably mounted in the frame, and an adjusting-screw threaded in the handle member and arranged to engage one of the dies, said members being held in angular relation by the die and constituting means for revolving the same.

4. In a tool of the class described, the combination with a handle member provided with a longitudinally-disposed slot, of a supplemental handle member pivoted to the handle member and adapted to be seated in the slot, a threading-die attachment comprising a frame, and screws passing through the handle member contiguous to the pivot connection between the members and into the slot for securing the frame in the slot of said handle member.

5. In a tool of the class described, the combination with a handle comprising pivoted members, of a threading device, and means for securing the device to one of the members contiguous to the pivot connection, said threading device serving to hold the pivoted members in extended angular relation, and said pivoted members constituting means for turning the threading device.

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

JOHN H. PRIESTLEY.

Witnesses:

J. A. MILLER,
F. S. SMITH.