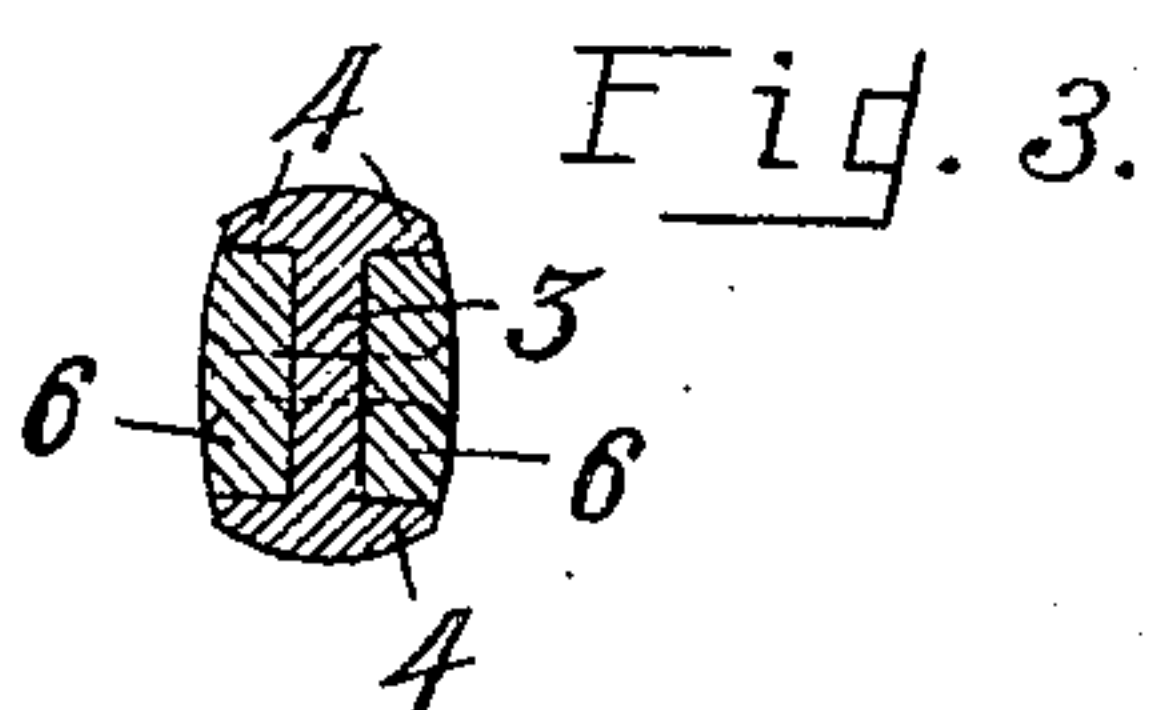
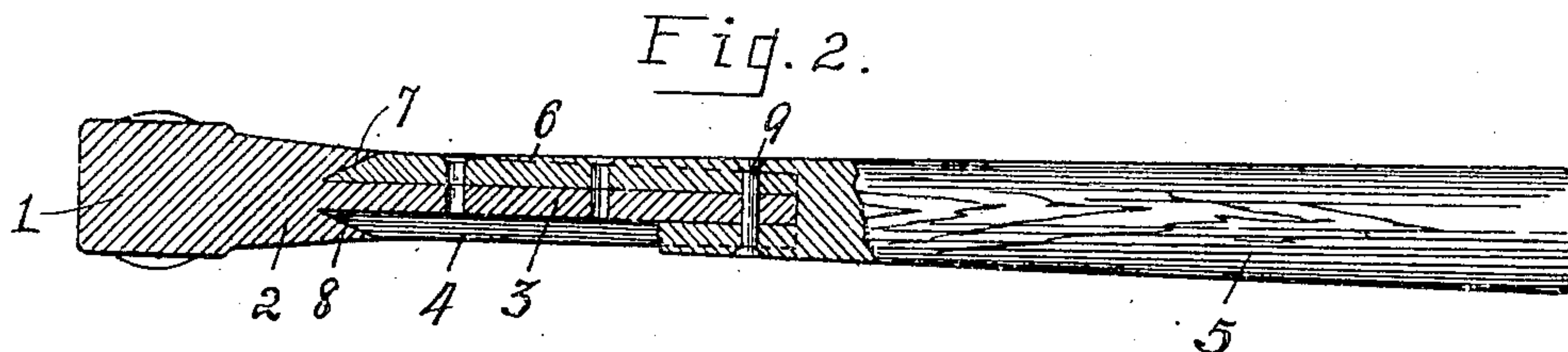
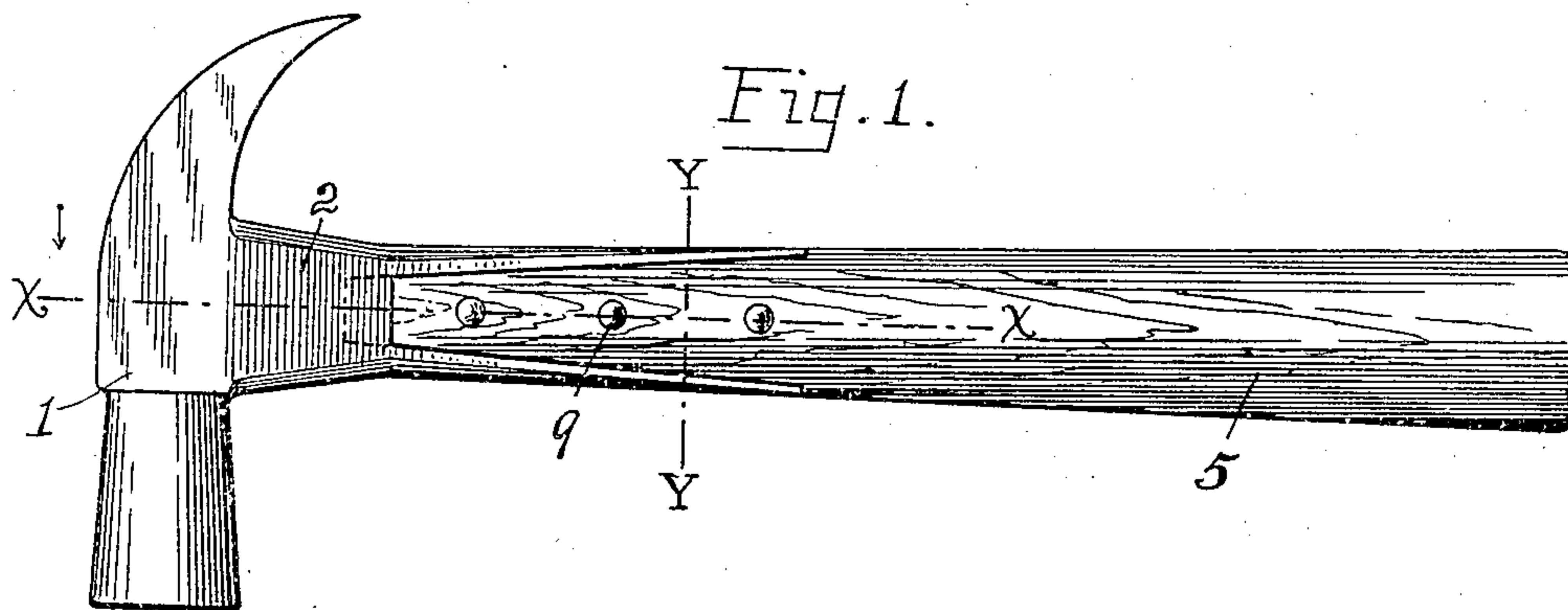


F. BALDWIN.
HAMMER OR THE LIKE.
APPLICATION FILED JUNE 16, 1909.

960,147.

Patented May 31, 1910.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANK BALDWIN, OF TOLEDO, OHIO.

HAMMER OR THE LIKE.

960,147.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed June 16, 1909. Serial No. 502,480.

To all whom it may concern:

Be it known that I, FRANK BALDWIN, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Hammer or the Like; 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates more particularly to means for securing handles to the heads of hammers, hatchets, axes, or the like, but may be used in connection with other implements or tools in which handles are attached to heads, as for instance, hoes, rakes, or the like.

The object of my invention is the provision of simple and efficient means for securing handles to tools or implements such as above described, whereby the handles are materially strengthened at the points where breaks usually occur, and the handles are rendered capable of being easily, quickly and rigidly secured to their heads.

The invention is fully described in the following specification, and a preferred form thereof illustrated in the accompanying drawing, in which,—

Figure 1 is a side elevation of a hammer embodying my invention. Fig. 2 is a top view thereof with a part in section on the line $x\ x$ in Fig. 1, and Fig. 3 is a cross-section on the line $Y\ Y$ in Fig. 1.

Referring to the drawing, 1 designates the head of a hammer, or other implement, the shank 2 of which is solid, except as hereinafter described, and has its rear end portion I-shape in cross-section, as shown in Fig. 3, to form the web 3 and the flanges 4, at the opposite edges thereof. The flanges 4 are preferably relatively tapered outwardly from their inner to their outer ends to conform to the usual contour of the inner end portion of the handle 5, and each preferably thickens gradually from its outer end inwardly as indicated in Fig. 1, to strengthen the same at the point where a break is most likely to occur, and also to compensate for the gradually diminishing depth of the web 3 from its outer end inwardly.

The handle 5 has its inner end forked to enable the web 3 to be inserted between the furcations 6, 6 thereof, and such furcations are suitably shaped to fill the spaces between the flanges 4 when the handle is driven home on the shank. The ends of the furcations 6 preferably have their outer edges chamfered or beveled, as at 7, to adapt them to fit within sockets 8, at the inner ends of the grooves formed in the sides of the shank by the web 3 and flanges 4, such sockets having their outer walls preferably inclined to conform to the beveled ends 7 of the handle, as shown in Fig. 2. It is thus apparent that when the handle 5 is driven home on the shank the ends of the furcations 6 thereof enter the sockets 8 and the coöperation of the respective beveled surfaces of such parts causes the ends of the furcations to closely hug the web 3 of the shank and assists in retaining the handle and shank in engagement. The handle and shank are rigidly held against separation by rivets 9 or in any other suitable manner.

It is apparent that I have provided a handle securing means for hammer-heads, or the like, which is simple and inexpensive in its construction, and which renders a handle capable of easy and quick attachment to or removal from a head, and obviates the usual coring of the head to provide a handle socket.

I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far as such limitations are specified in the claims.

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

1. In an article of the class described, a head having a shank which is thinned for a portion of its length from its free end inwardly and provided with sockets at the sides of the inner end of such thinned portion, and a handle having an end forked and straddling the thinned portion of the shank with the ends of its furcations fitting into said sockets.

2. In an article of the class described, a head having a shank which is longitudinally grooved on opposite sides thereof, such grooves terminating at their inner ends in sockets, and a handle having an end forked with the furcations thereof lying in such grooves and their free ends fitting into said sockets.

3. In an article of the class described, a head having a shank which is longitudinally grooved on opposite sides thereof, such grooves terminating at their inner ends in sockets, a handle having an end forked with the furcations thereof lying in such grooves and their free ends fitting into said sockets, such free ends being beveled whereby a forcing of the same into said sockets causes a relative contraction thereof, and means securing the shank and handle against removal.

4. In an article of the class described, a head, a shank projecting therefrom, a handle having an end forked and straddling the shank with the outer edges of the free ends of its furcations chamfered, said shank having portions which coöperate with the chamfered ends of said furcations to effect a relative contraction thereof when forced home on the shank, and means securing the furcations to the shank.

5. In an article of the class described, a

head, a shank projecting therefrom and having its outer end portion I-shape in cross-section, the flanges thereof being tapered outwardly from their inner ends and each thickening gradually from its outer end inwardly and the web thereof gradually diminishing in depth from its outer end inwardly, said shank having wedge shaped sockets at the inner ends of the grooves formed by said flanges and web, and a handle having its inner end split and straddling said web with the ends of its furcations fitted into said sockets, and means coöperating with said sockets to secure the handle to the shank.

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

FRANK BALDWIN.

Witnesses:

C. W. OWEN,

CORNELL SCHREIBER.