

W. WYATT.  
WEDGE FOR SECURING THE HANDLES OF AXES, HAMMERS, &c.  
APPLICATION FILED MAY 11, 1908.

898,950.

Patented Sept. 15, 1908.

Fig. 1.

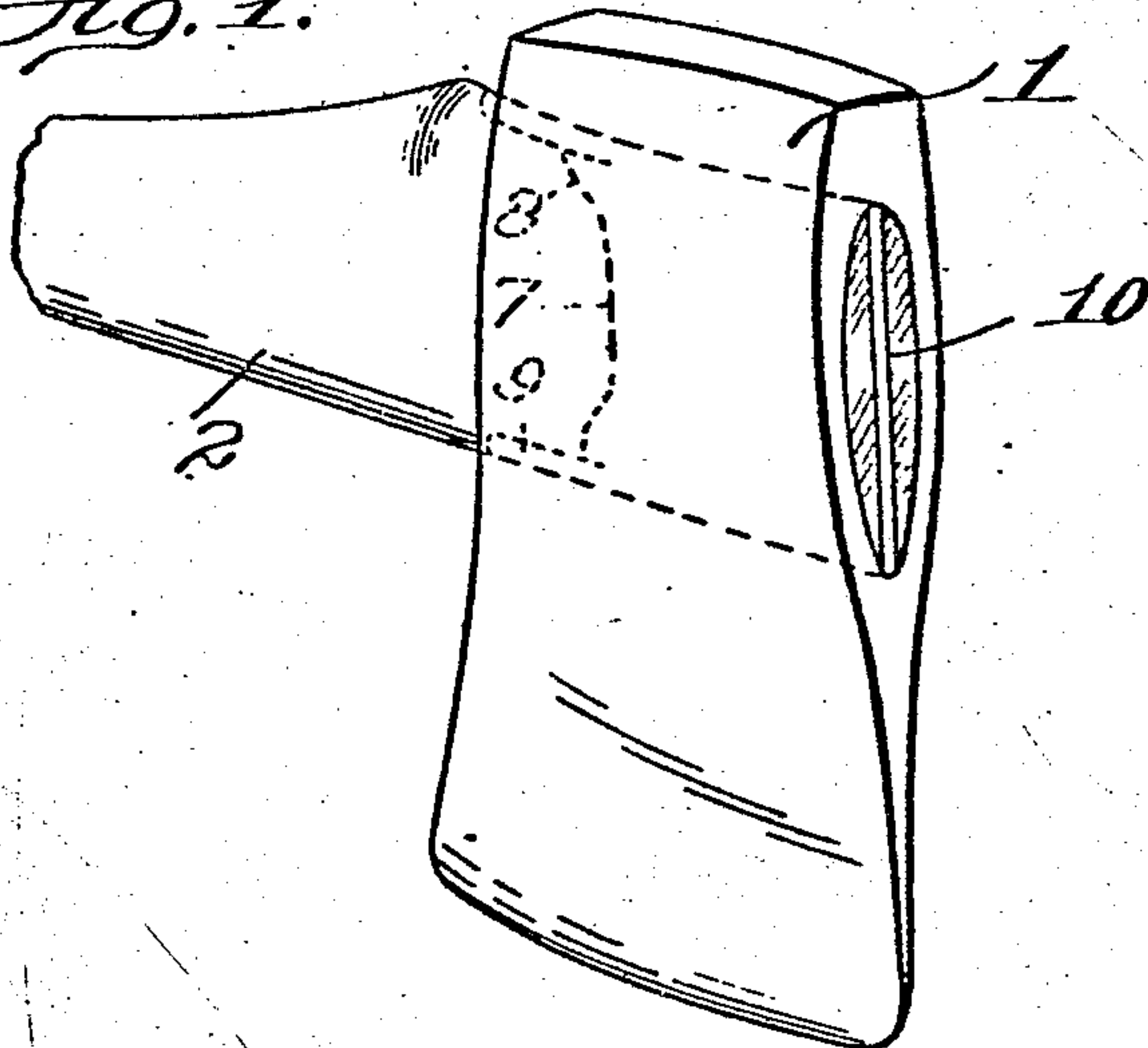


Fig. 2.

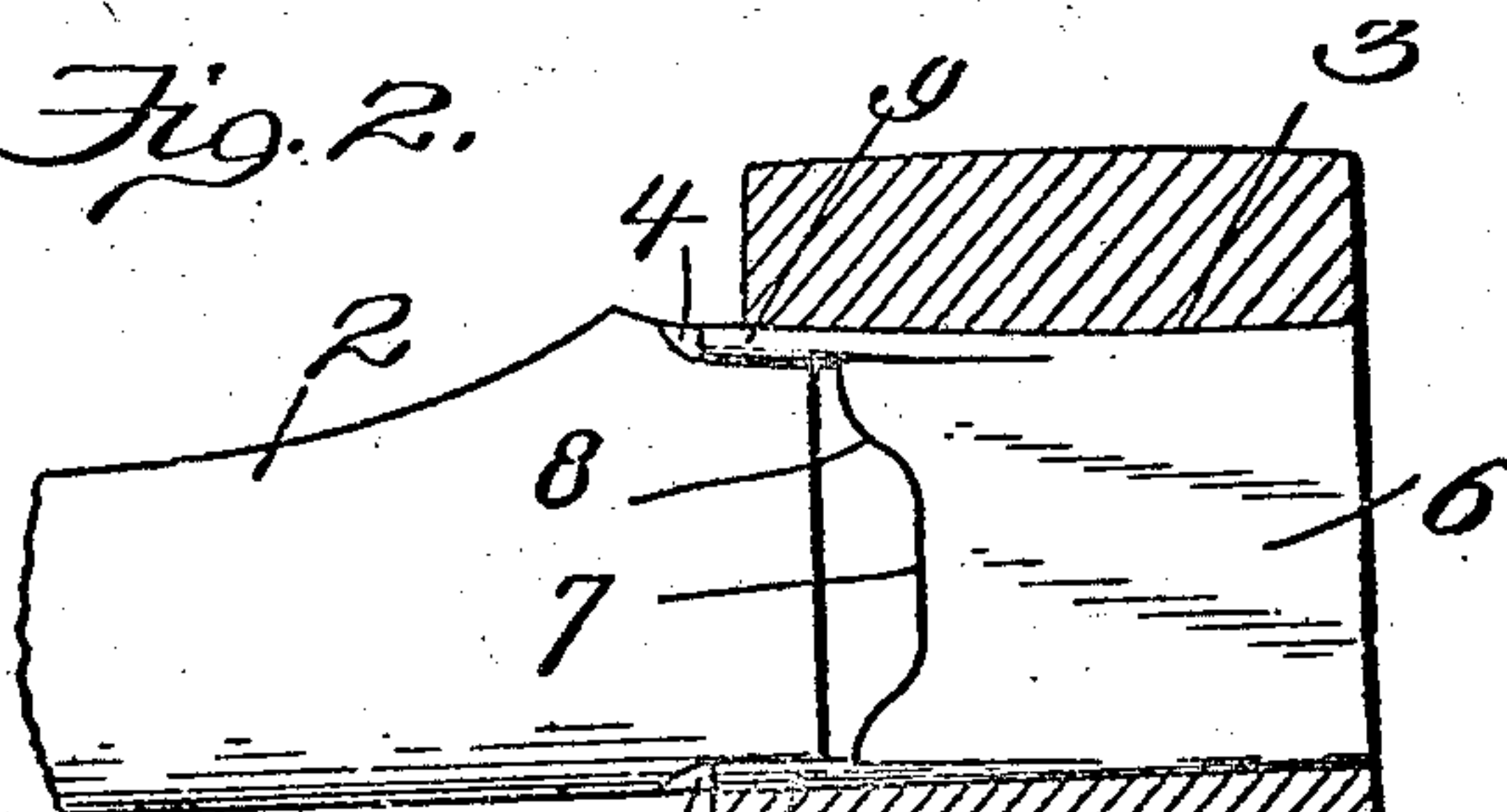
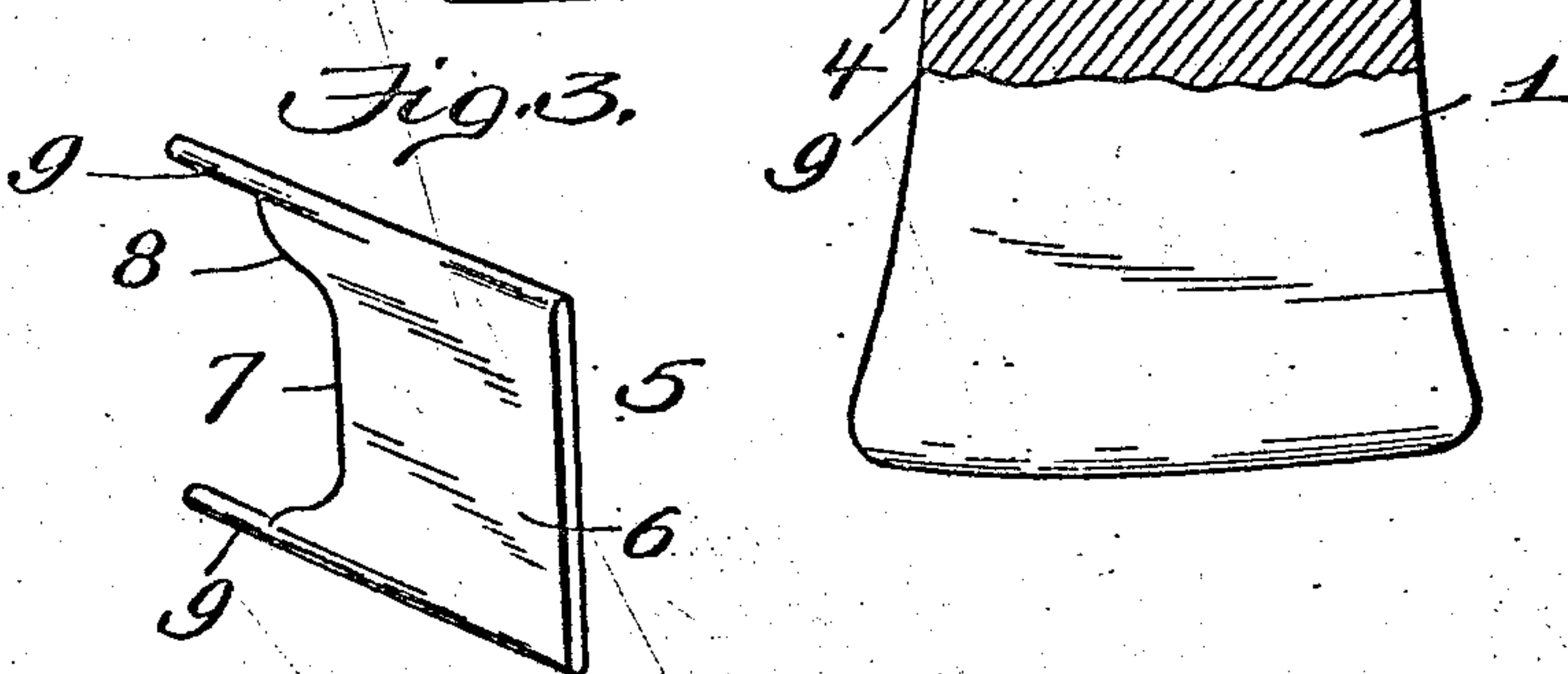


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

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WEDGE FOR SECURING THE HANDLES OF AXES, HAMMERS, &c.

No. 898,950.

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed May 11, 1908. Serial No. 432,219.

*To all whom it may concern:*

Be it known that I, WILLIAM WYATT, a subject of the King of Great Britain, residing at 269 Pitt street, Sydney, in the State of New South Wales, Commonwealth of Australia, have invented certain new and useful Improvements in Wedges for Securing the Handles of Axes, Hammers, and other Tools and Implements, of which the following is a specification.

This invention relates to improvements in metallic wedges for securing the wooden handles of axes, hammers, tools and other implements having an eye for the reception of the end of the helve or handle, and the object thereof is to provide a wedge in a manner as hereinafter set forth whereby provision is made for securing the handle to the tool and at the same time to allow of the wedge being removed from the handle by driving the wedge from either side thereof so as to enable the handle to be readily withdrawn from the tool and by such an arrangement it is not necessary when one desires to remove the helve to burn it out, such burning out impairing the temper of the metallic wedge.

According to this invention the wedge is provided at each side with a projection or extension forming a continuation of the body portion of the wedge, which projections when the wedge is forced into the handle, extend down to the opposite end of the eye where they are visible. If desired, grooves may be cut in the head of the handle for the reception of said extensions and preferably a kerf is made for the body of the wedge. To remove the handle from the head it is only necessary to give a few blows to either one of the projections or extensions with a punch or other tool, which will force the wedge clear of the handle so that the latter can be readily withdrawn.

In the drawings wherein like reference characters denote corresponding parts throughout the several views: Figure 1 is a perspective view of an ax with a handle, the latter broken away, and showing the adaptation therewith of a metallic wedge in accordance

with this invention. Fig. 2 is a sectional elevation and Fig. 3 is a perspective view of the wedge.

Referring to the drawings in detail, 1 denotes the ax head and 2 the helve or handle, the ax being provided with an eye 3 for the reception of the head of the handle, the latter being formed with grooves 4 for a purpose to be hereinafter referred to.

The wedge as clearly shown in Fig. 3 and which is referred to generally by the reference character 5, comprises a body portion 6 which gradually decreases in width inwardly so as to provide a feather edge 7 which is cut away as at 8. At each side of the body portion 1 and projecting from the inner edge 7 is a cylindrical extension 9 which is of a length as to project clear of the body portion 6 and when the wedge is positioned in the head of the helve or handle 2 the projections 9 are seated in the grooves 4 and extend clear of the ax head 1, whereby either one of the said projections 9 can be engaged by a punch or other tool so as to force the wedge from the head of the helve or handle 2 to enable the handle to be readily withdrawn from the ax head 1. The head of the helve or handle 2 is provided with a curve 10 for the reception of the wedge 5, as clearly shown in Fig. 1.

What I claim is:

A metallic wedge for securing handles to tools comprising a tapering body portion having formed integral therewith at each side thereof an extension of a length as to project from the inner edge of the body portion and clear of the tool head for which the wedge is used, said extensions providing means whereby the wedge can be driven from either side thereof when it is desired to remove the wedge.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM WYATT.

Witnesses:

CHARLES EDWARD GRAHAM,  
HENRY WATCHORNE CLARKE.