

No. 740,583.

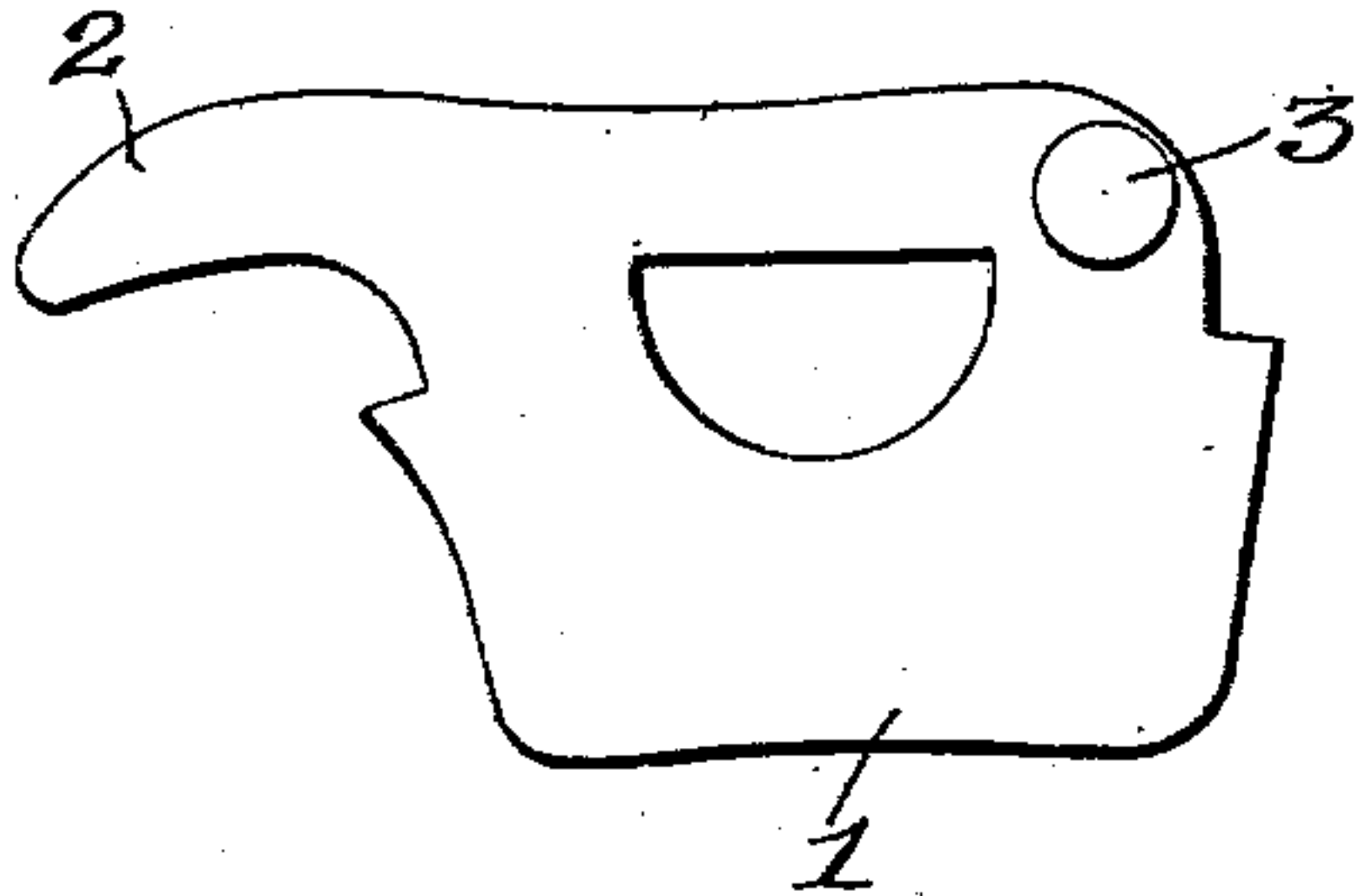
PATENTED OCT. 6, 1903.

G. P. MORRILL.  
WEDGE FOR AX OR TOOL HANDLES.  
APPLICATION FILED MAR. 7, 1903.

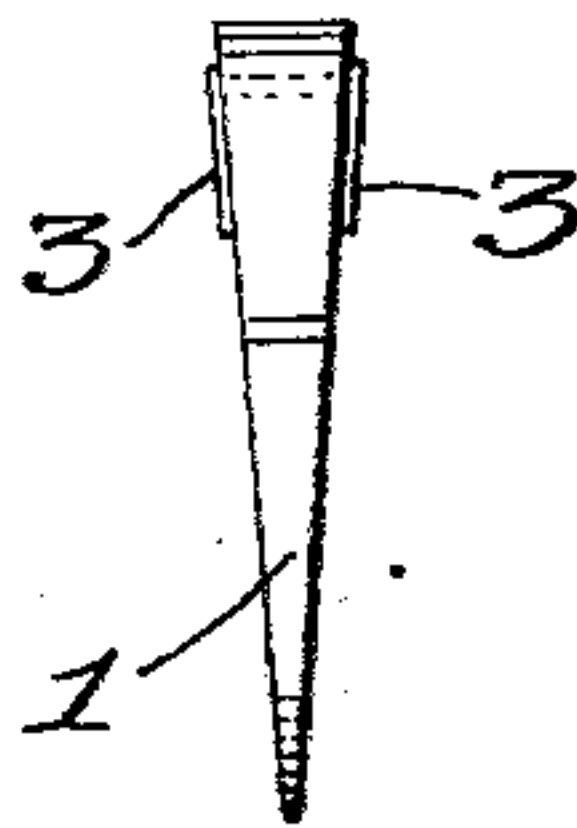
NO MODEL.

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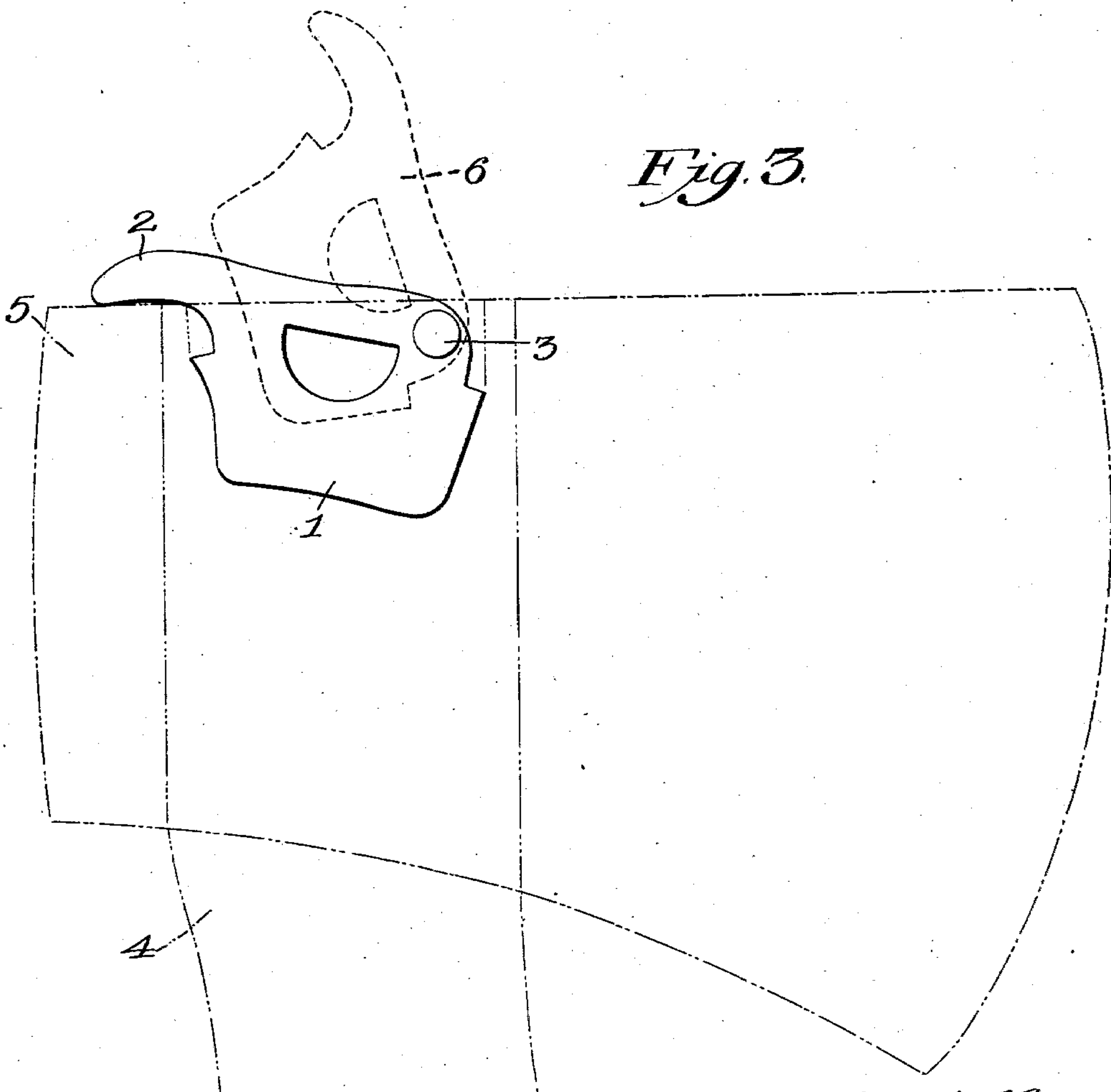
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



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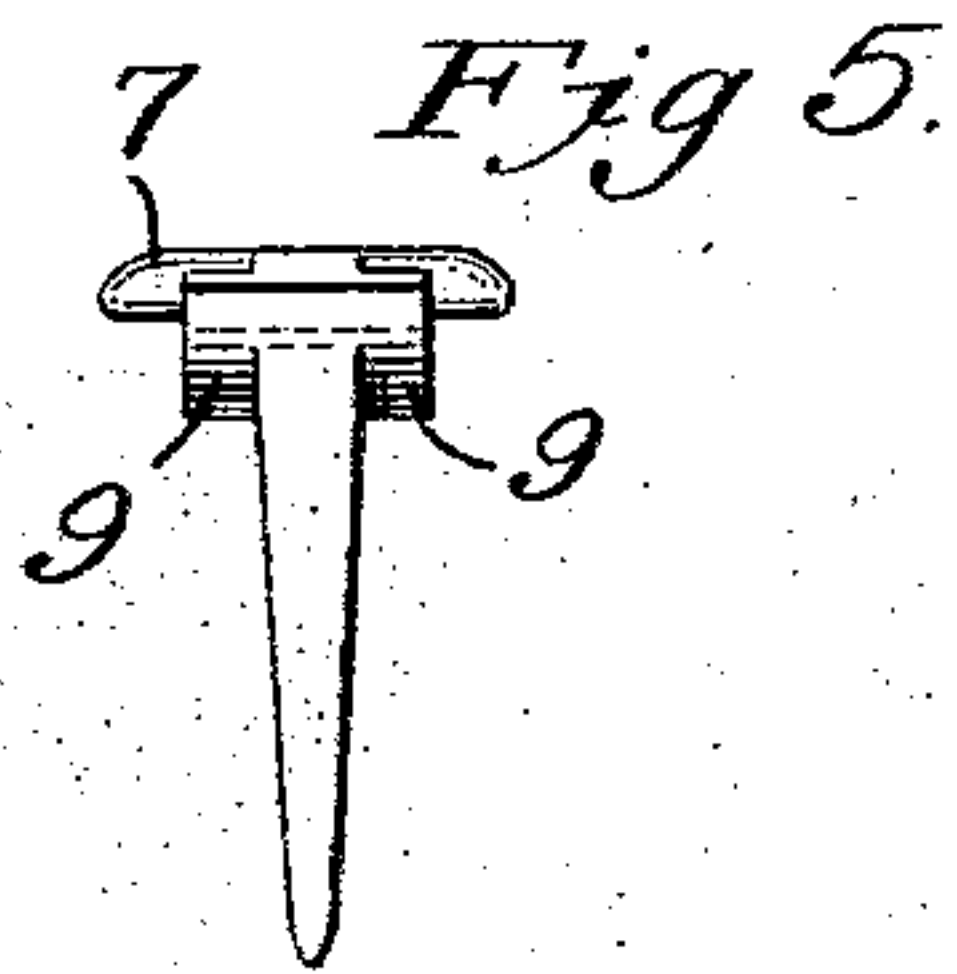
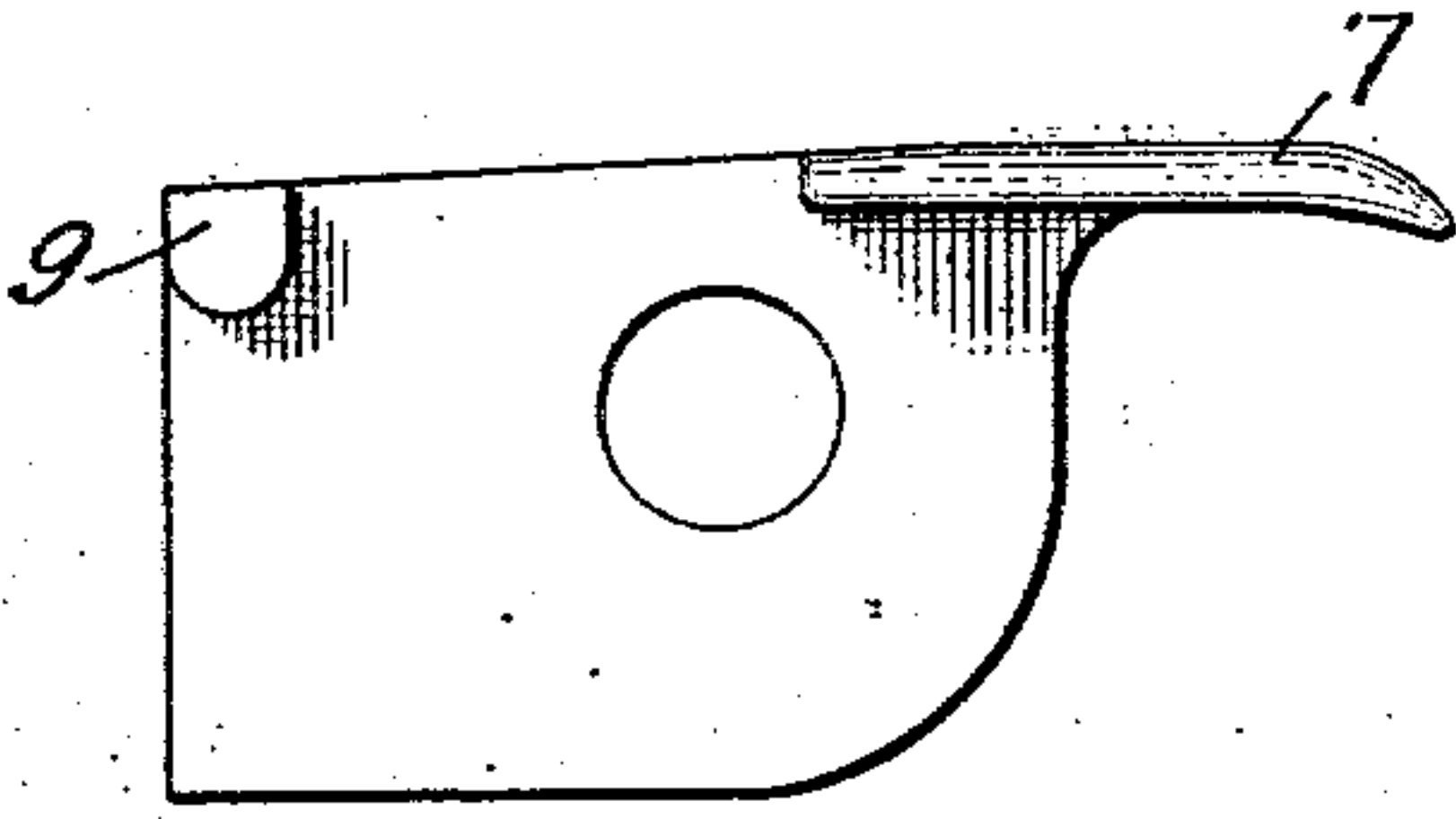
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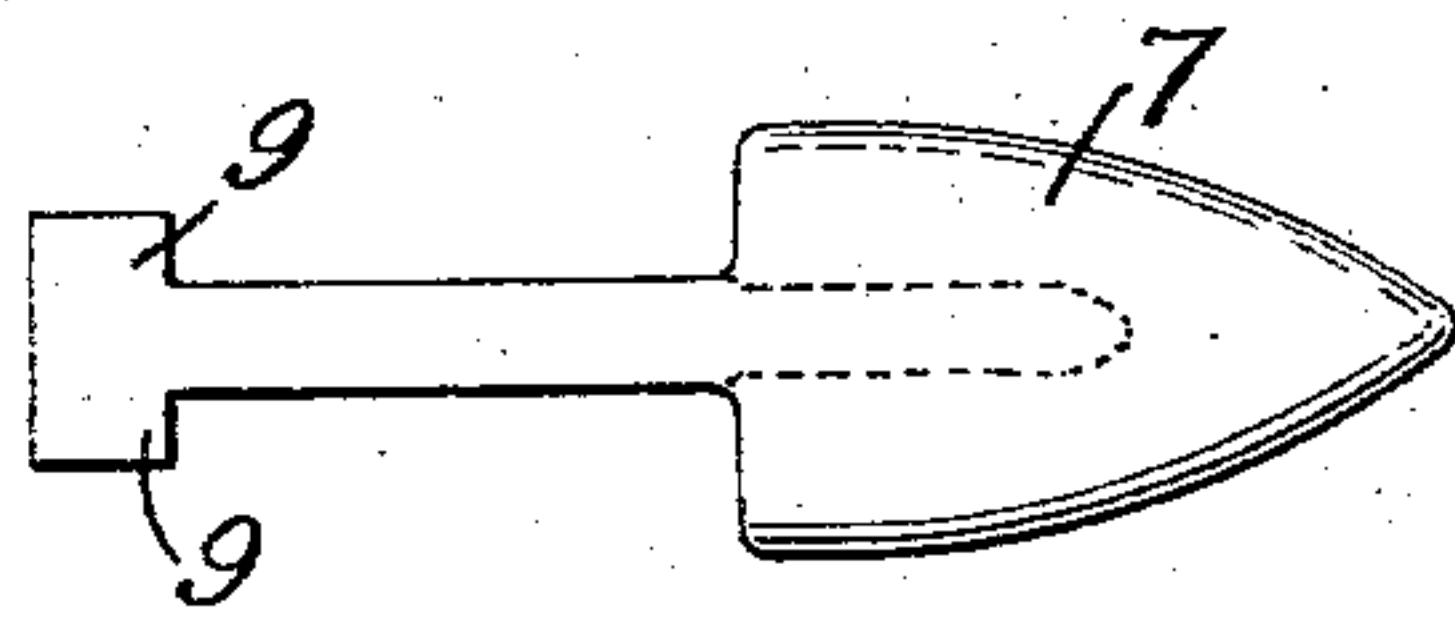
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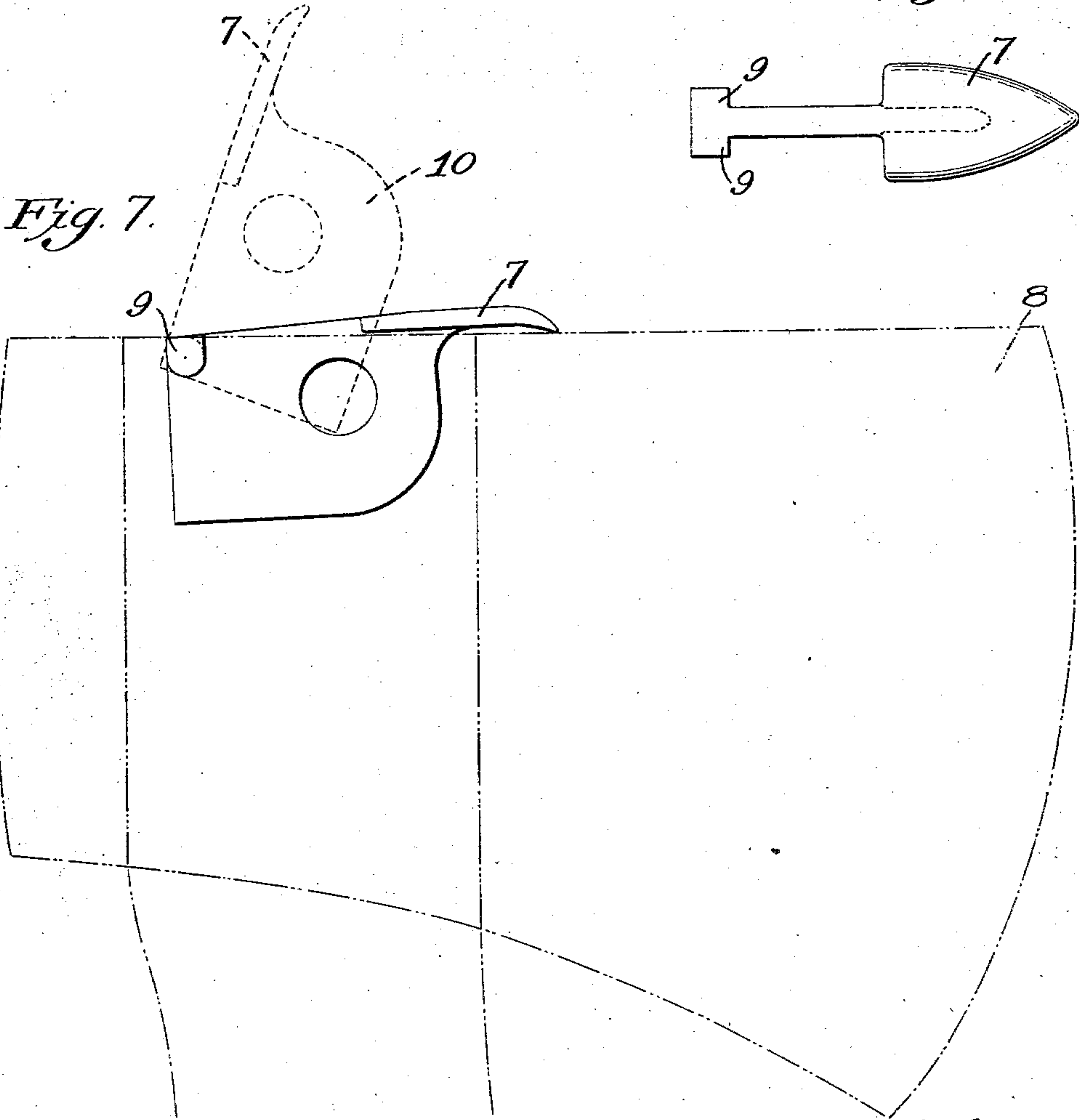
*Fig. 4.*



*Fig. 6.*



*Fig. 7.*



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# UNITED STATES PATENT OFFICE.

GEORGE P. MORRILL, OF CANTERBURY, NEW HAMPSHIRE.

## WEDGE FOR AX OR TOOL HANDLES.

SPECIFICATION forming part of Letters Patent No. 740,583, dated October 6, 1903.

Application filed March 7, 1903. Serial No. 146,719. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE P. MORRILL, a citizen of the United States, residing at Canterbury, in the county of Merrimack and State of New Hampshire, have invented a new and useful Improvement in Wedges for Ax or Tool Handles, of which the following is a specification, accompanied by drawings, forming a part of the same, in which—

Figure 1 is a side view of an ax-wedge embodying my improvement. Fig. 2 is a top view of the same. Fig. 3 is a side view with the ax and ax-helve represented in broken lines in order to show the wedge in its position as inserted in the ax-helve. Figs. 4, 5, and 6 show a modified form of wedge; and Fig. 7 represents the manner of inserting the same in an ax-helve.

Similar figures of reference refer to similar parts in the different views.

My present invention has for its object to facilitate the removal of the wedge from the ax helve or handle; and it relates to that class of wedges which are provided with a lip or projection at one end by which the wedge may be lifted for the purpose of withdrawing it from the helve; and it consists in providing the opposite end of the wedge with a laterally-projecting surface adapted to engage the wood of the helve and hold the wedge from movement at that point, so that the lifting of the wedge by its lip will cause it to turn about the lateral projections as about a pivot, whereby the body of the wedge will be drawn out of the helve.

Referring to the accompanying drawings, 1 denotes an ax-wedge, 2 a lip extending from one end of the wedge by which the wedge may be withdrawn, and 3 3 are lateral projections at the opposite end of the wedge from the lip 2.

In inserting the wedge it is driven into the helve 4, with the lip 2 extending over the head of the ax 5 and with the projections 3 3 engaging the wood of the helve, as represented in Fig. 3.

The wedge is withdrawn by raising the lip 2, and as the wedge bears against the wood

of the helve at the oppositely-projecting surfaces 3 3 it will be held at that point and caused to rotate about the projections 3 3 as about a pivot, the wedge assuming the position represented by broken lines at 6, Fig. 3. The wedges of the class described as commonly made are apt, as the lip 2 is raised, to rotate about the central section of the wedge and cause the opposite end to become more deeply embedded in the wood. I avoid this by making bearing-surfaces 3 3 near the opposite end of the wedge from the lip, whereby the axis during the rocking movement of the wedge is transferred to the end opposite the lip.

In Figs. 4, 5, and 6 I have shown a modified form of wedge, but embodying my present invention. In place of the lip 2, which is designed to extend over the head of the ax, I form a triangular flange 7, which projects over the body of the ax toward the bit or cutting edge 8 when the wedge is inserted in the ax-helve, and the lateral projections 9 9 are formed at the extreme corner of the wedge.

The modified form of wedge is removed by lifting the flange 7, as shown by the broken lines 10, Fig. 7, the wedge turning about the projections 9 as a pivot.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. An ax or tool wedge provided near one end with lateral projections adapted to engage the wood of the handle and serve as pivots, about which the wedge may be rocked in withdrawing it from the handle, substantially as described.

2. An ax or tool wedge, having at one end a projecting lip, and at the opposite end laterally-projecting surfaces, on which the wedge may turn as it is withdrawn from the handle by the raising of said lip, substantially as described.

Dated this 3d day of March, 1903.

GEORGE P. MORRILL.

Witnesses:

PENELOPE COMBERBACH,  
RUFUS B. FOWLER.