

No. 857,863.

PATENTED JUNE 25, 1907.

C. H. BOOTH.
TOOL HEAD ATTACHING KEY OR WEDGE.
APPLICATION FILED SEPT. 5, 1906.

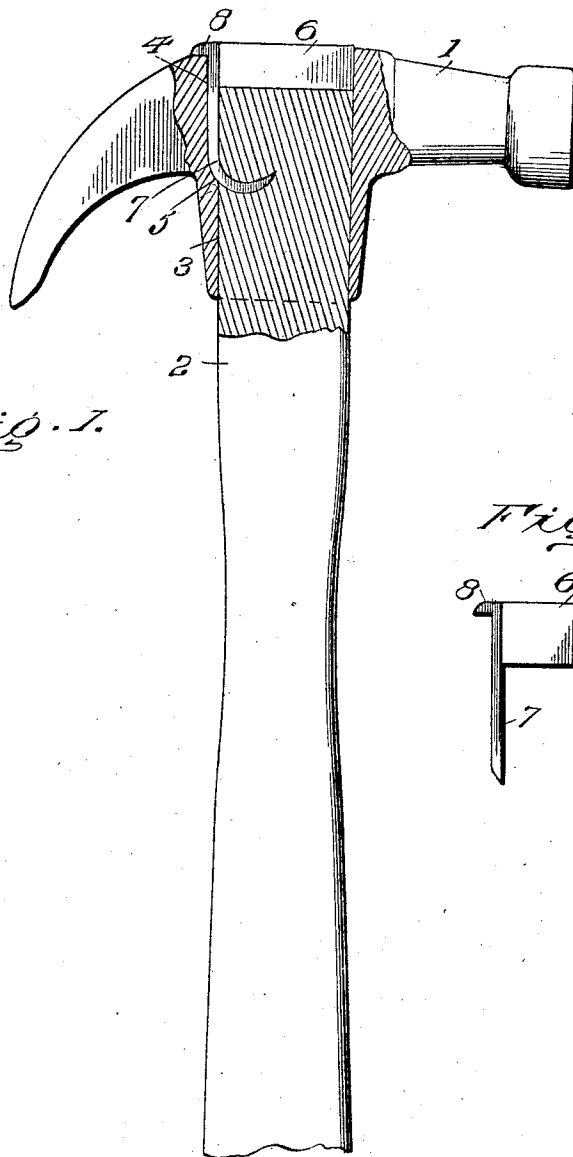


Fig. 1.

Fig. 2.

Witnesses

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TOOL-HEAD-ATTACHING KEY OR WEDGE.

No. 857,863.

Specification of Letters Patent.

Patented June 25, 1907.

Application filed September 5, 1906. Serial No. 333,361.

To all whom it may concern:

Be it known that I, CHARLES H. BOOTH, a citizen of the United States, residing at Boise City, in the county of Ada and State of Idaho, have invented certain new and useful Improvements in Tool-Head-Attaching Keys or Wedges, of which the following is a specification.

The object of this invention is to provide a very simple form of key or wedge of that type customarily employed to prevent heads of tools, such as axes, hammers, picks, or the like, from being accidentally displaced from the handle.

The aim of the invention is to provide a more effective and substantial key attaching means than those heretofore devised.

For a full understanding of the invention, and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a sectional view of a hammer, showing the head thereof attached to the handle by a key or wedge comprising the invention; and, Fig. 2 is a detail view of the key or wedge.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Specifically describing the invention, it is contemplated that the head 1, which is mounted on the handle 2 of the tool should be formed with the usual socket 3 in which the end of the handle 2 is received. The socket 3 of the head 1, however, is provided with a longitudinal seat or recess 4 at a side thereof, the inner extremity of this recess or head 4 terminating in a deflecting portion 5. The key or wedge constituting the invention is of very simple form comprising a body 6 which may be of wedge form in cross section and with which is formed an integral downwardly projecting tongue 7, the lower extremity of which is beveled from the outer side thereof, preferably. Offstanding from the upper portion of the key or body 6 is an extension 8 which constitutes a tool head engaging member, with reference to its practical use or application in the actual embodiment of the invention.

In using the invention, after the head 1

has been placed in position upon the handle 2, the tongue 7 of the key or wedge 6, which tongue may be styled a clenching tongue, is introduced into the seat 4 of the socket 3 of the head 1. The key or wedge 6 is then moved longitudinally of the handle 2, and it is preferably driven in place so that as the body of the said key or wedge enters the outer end of the handle 2, the outer or lower end of the tongue 7 will have been deflected laterally by the deflecting portion 5 of the seat 4 and will enter the handle 2 and be automatically clenched, so to speak, to very firmly and effectively hold the key or wedge from displacement, which is a very advantageous feature of the present invention when compared with the keys or wedges most commonly employed at this time. Not only does the curved or clenched portion of the tongue 7 serve to very effectively attach the key or wedge 6 to the handle 2, but the tongue 7 also constitutes a means for holding the tool head engaging member 8 of the key or wedge in positive engagement with the head 1 of the tool, thereby very effectively obviating likelihood of displacement of the head 1 from the handle 2 under actual working conditions.

As an article of manufacture, the key or wedge may be constructed from a single metal blank and its cost would be nominal.

Having thus described the invention, what is claimed as new is:

The combination of a handle, a tool head having a handle receiving opening therein, said opening being formed with a longitudinal seat extending along one side thereof and terminating in a deflecting shoulder, a key embodying a wedge member designed to be driven into the extremity of the handle to expand the same, a tool engaging lug projecting laterally from the wedge, and an integral tongue at one end of the wedge, said tongue being designed to enter the before mentioned longitudinal seat and impinge against the deflecting shoulder at the termination thereof in such a manner that its end portion is bent laterally and caused to embed itself in the tool handle.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES H. BOOTH. [L. s.]

Witnesses:

THOMAS BOOTH,
E. STANLEY.