

E. A. PARNELL.
HANDLE FASTENING FOR PICKS AND LIKE IMPLEMENTS.
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1,000,754.

Patented Aug. 15, 1911.

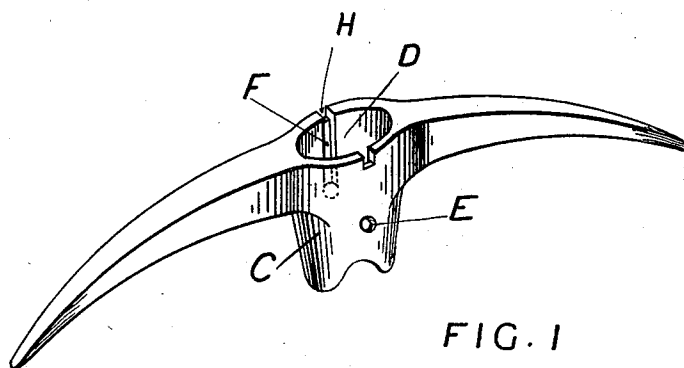


FIG. 1

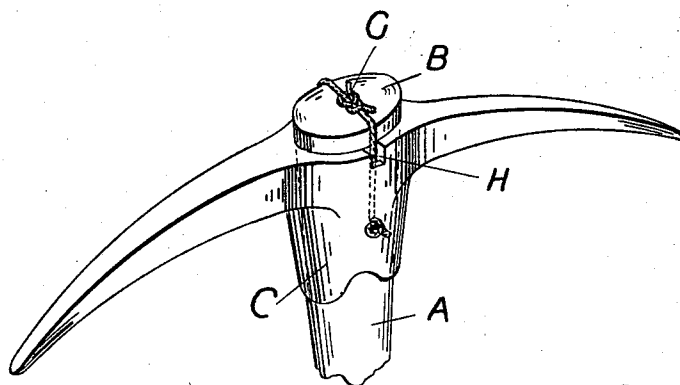


FIG. 2

Witnesses:
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UNITED STATES PATENT OFFICE.

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HANDLE-FASTENING FOR PICKS AND LIKE IMPLEMENTS.

1,000,754.

Specification of Letters Patent.

Patented Aug. 15, 1911.

Application filed June 8, 1911. Serial No. 631,878.

To all whom it may concern:

Be it known that I, EDWIN ARTHUR PARNELL, a subject of the King of Great Britain and Ireland, residing at "Fairview," Winburndale Road, Kelso, near Bathurst, in the State of New South Wales, Australia, have invented new and useful Improvements in Handle-Fastenings for Picks and Like Implements, of which the following is a specification.

This invention relates to means for preventing accidental slipping of the heads of picks and like eyed implements on the handles or hefts on which they are mounted for use, and it consists in a certain construction of the eye of such implements to accommodate a flexible tie by means of which the top of the handle or heft is secured against slipping upward through the eye.

In the class of implements to which the invention relates, the head of the handle or heft is made thicker than the shaft thereof, and is fitted to drive reversely into the implement eye, which is of taper form. After much use the head is liable to work loose and slip back on the handle or heft.

The object of my invention is to provide a simple and effective means for checking this accidental slipping back of the implement head.

In carrying out my invention, holes are bored through the sides of the eye, and the eye is grooved on the inner sides from said holes upwardly to the top; a stirrup or tie consisting of a thong of leather rawhide or fabric, or of a piece of flexible wire is looped over the head of the handle or heft, set in the grooves, and brought out through the side holes in the eye and knotted. The implement head is thus tied back to the handle or heft head, so that if the latter becomes loosened in the eye the implement head will be prevented from slipping back along the shaft.

In the annexed drawings:—Figure 1 is a perspective view of a pick head having an eye formed according to my invention, and Fig. 2 is a perspective view of the same set

on its handle or heft and secured thereon by a stirrup or tie.

A is the handle or heft shaft, B the head thereof, C the pick head, D the eye thereof, E holes through either side of the eye, F vertical grooves leading from the holes E to the top of the eye, G the stirrup or tie made of a thong of leather, greenhide, or fiber, or of a piece of flexible wire, H are nicks in the upper part of the side of the eye D. To compensate for weakening of the eye due to the loss of metal in the holes E, grooves F and nicks H, the section of the eye may be made correspondingly heavier than usual.

The thongs which form the stirrup or tie G are inserted first; then the handle or heft is passed through the eye and the handle head bumped tightly into the eye; finally the stirrup or tie thongs are fastened over the top of the handle or heft head. There are two stirrup or tie thongs; one of these is passed through each eye D, laid into the groove F and brought out through the corresponding nick H and temporarily knotted back outside the eye, so that the thongs will not be bruised or injured in the operation of bumping the handle or heft into the implement head. Upon the completion of the last mentioned operation the temporary knots are opened, permanent stop knots are tied on the ends of the thongs which pass out through the holes E, the thongs then drawn tight, and their upper ends knotted over the top of the handle or heft as shown in Fig. 2. If at any time the implement head should become loose on the handle or heft it will be prevented from slipping back along the shaft by the stirrup tie; the stirrup tie may be readily tightened up from time to time by retying if it show any looseness, and the implement head may be removed at any time by untying the stirrup ties and bumping the handle on the ground.

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

1. A handle fastening for pick heads and like eyed implements, comprising flexible thongs inserted through holes in either side

of the eye, brought up through grooves in the inner part of the eye, and knotted over the top of the handle.

2. In a pick or like implement having a
5 handle eye, holes through the sides of the eye, nicks in the top of the eye above said holes, and grooves inside the eye connecting said holes and nicks.

In testimony whereof I have signed my name to this specification in the presence of 10 two subscribing witnesses.

EDWIN ARTHUR PARNELL.

Witnesses:

WILLIAM JOHN CHARLTON,
BERHAM THEODORE HAVENER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
