

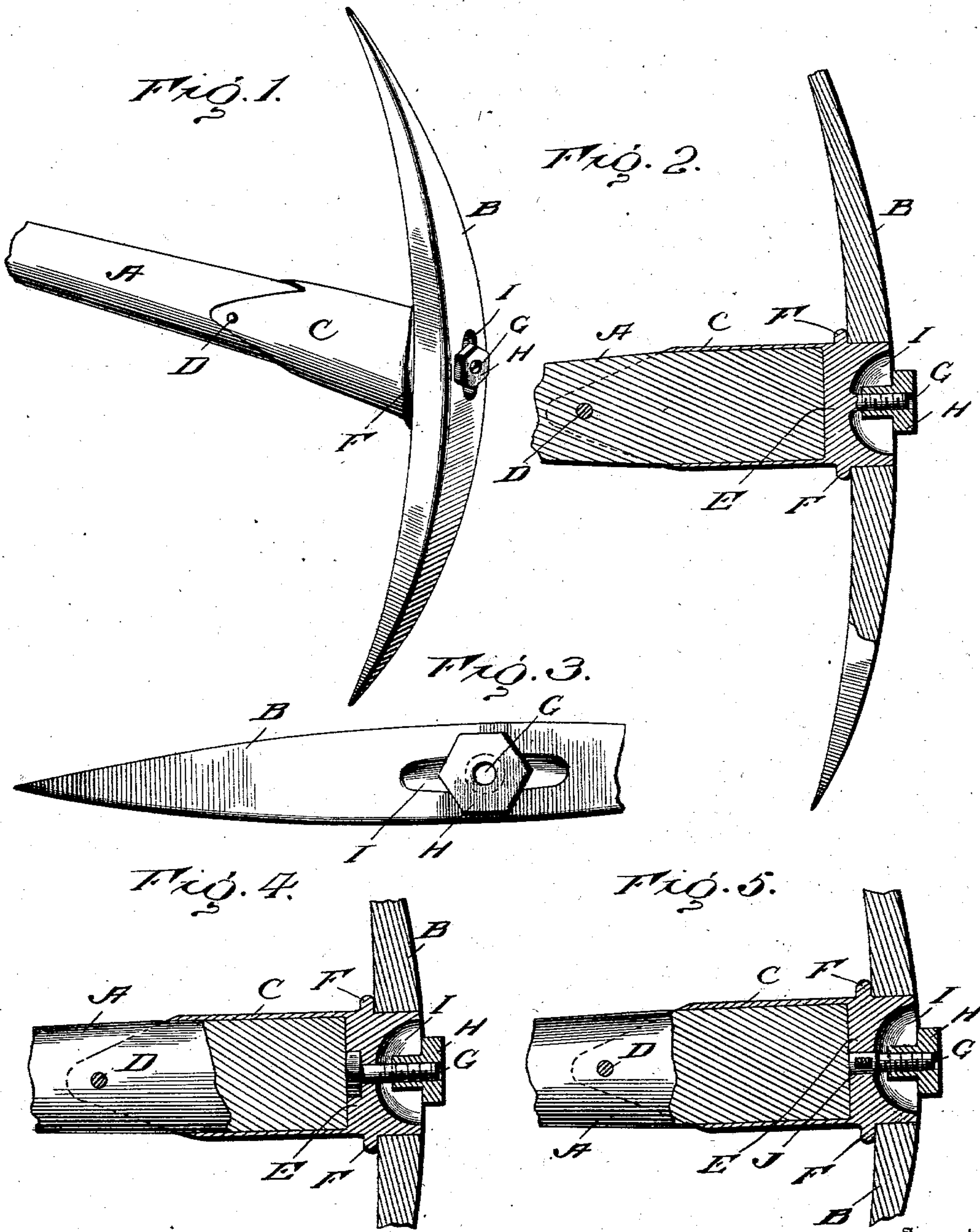
No. 730,418.

PATENTED JUNE 9, 1903.

E. O. THOMPSON.  
PICK HANDLE.

APPLICATION FILED AUG. 1, 1902.

NO MODEL.



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

EZRA O. THOMPSON, OF KIRKVILLE, IOWA.

## PICK-HANDLE.

SPECIFICATION forming part of Letters Patent No. 730,418, dated June 9, 1903.

Application filed August 1, 1902. Serial No. 117,953. (No model.)

*To all whom it may concern:*

Be it known that I, EZRA O. THOMPSON, a citizen of the United States, residing at Kirkville, in the county of Wapello and State of Iowa, have invented certain new and useful Improvements in Pick-Handles; 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.

My invention relates to certain new and useful improvements in handles for picks, and more particularly to that class of picks used by miners.

It has for its object to provide means for readily and rigidly securing the handle to the pick and which shall be of economic construction and readily repaired.

With these objects in view my invention consists of the details of construction herein-after more fully described.

In order that those skilled in the art to which my invention appertains may know how to make and use the same, I will proceed to describe the construction of my improved handle and the manner in which it is secured to a pick, referring by letters to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved handle secured to an ordinary miner's pick. Fig. 2 is a longitudinal central section of the same. Fig. 3 is a plan view looking at the crown of the pick. Fig. 4 is a longitudinal section showing one modification, and Fig. 5 is a similar view showing another modification.

Similar letters of reference indicate like parts in the several figures of the drawings.

A represents an ordinary wooden pick-handle, and B an ordinary miner's pick.

To the upper end of the handle is secured my improved device, which consists of a metal shell or ferrule C, adapted to receive the end of the handle A, as clearly shown. The tapered end of this shell or ferrule is preferably bifurcated and tapered to fit the decreasing taper or cross-section of the handle and is secured to the same by one or more transverse rivets or screws D. The hollow shell or ferrule C terminates at its upper end in a solid head E, as clearly shown at Figs. 2, 4, and 5, against which the extreme upper end of the handle

A abuts and with an exterior lateral rib or flange F, upon and against which the under side of the pick B is seated. The solid head E of the shell or ferrule is extended beyond the lateral flange F a distance slightly less than the thickness of the crown or head of the pick and in cross-section is of the size and shape of the eye of the pick, so that when the pick is placed over the head E of the shell or ferrule a close relation will exist between the two, as clearly shown.

Projecting centrally and longitudinally from the head E is a threaded stem or screw G, adapted to receive a threaded T-shaped nut H, the head of which is sufficiently broad to bridge the eye in the pick, as most clearly shown in Fig. 3. This nut is preferably of T shape in order to secure a more extensive bearing upon the screw G and to avoid the necessity of projecting the latter beyond the crown of the pick. In order to provide a space for the leg of the T-shaped nut, the head of the shell or ferrule C is suitably countersunk, as shown at I in Figs. 2, 4, and 5. Instead of forming the head E and screw projection G integral the former may be provided with a central hole or passage and a countersink on the inner face, as shown at Fig. 4, to receive an independent screw-bolt G, or in lieu of the headed bolt (shown at Fig. 4) a headless bolt, such as shown at Fig. 5, may be secured in place by a cotter-pin or wedge J. Passed through the head and screw-bolt in an obvious manner, (in each case, however, when the several parts are in proper relation,) the screw G bears a fixed relation with the head E and pick B.

It will be readily seen that when the handle A is forced within the shell or ferrule C, with its end abutting firmly against the solid head E and the rivet or screw D is put in position, a solid, fixed, and firm relation is established between the handle and the shell or ferrule and that when the upper portion of the head E is located within the eye of the pick and the latter is seated upon the lateral flange F and the nut H secured upon the screw G the handle and pick are rigidly connected and thoroughly braced. To remove the handle from the pick, it is only necessary to remove the nut H.

Having described the construction of my

improved handle and the manner of securing the same to a pick, what I claim as new, and desire to secure by Letters Patent, is—

5 A pick-handle provided at its upper end with a surrounding shell or ferrule secured in place by bolts or rivets and formed with a solid head having a countersink I, adapted to pass through the eye of a pick and with a lateral rib or projection to contact with and  
10 sustain the pick, a threaded extension cen-

tral of the countersink I, and a T-shaped nut adapted to be secured upon the threaded extension and to bridge the eye of the pick, substantially as hereinbefore set forth.

In testimony whereof I affix my signature 15 in presence of two witnesses.

EZRA O. THOMPSON.

Witnesses:

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