(Model.)

# W. COOK.

## PICK.

No. 271,797. Patented Feb. 6, 1883.

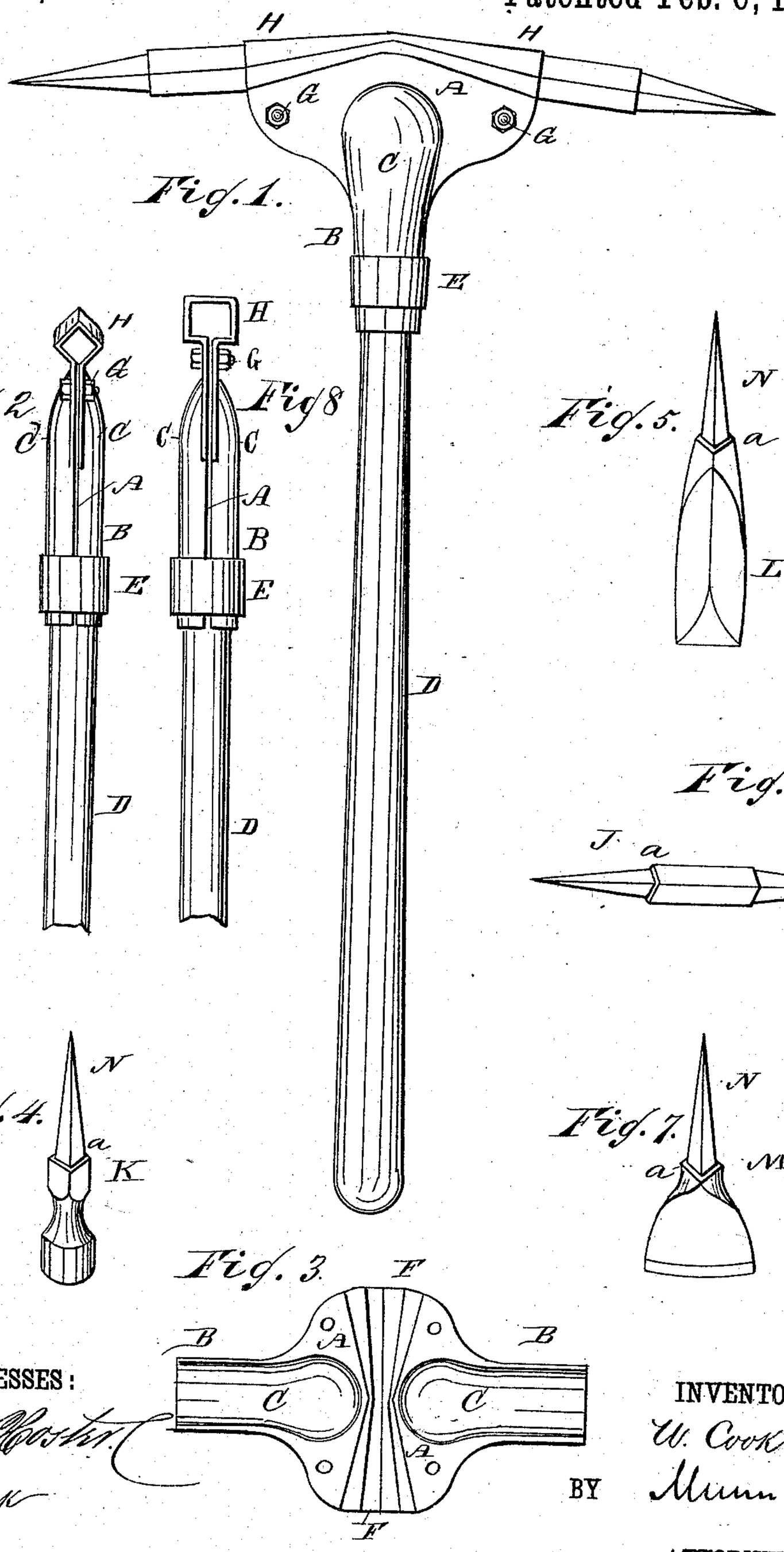


Fig. 1.




Fig. 2.




Fig 8




Fig. 5.

Fig. 6







Fig. 4.




Fig. 7.




Fig. 3.

WITNESSES:

Theo. G. Hoster.

Ed. Sedgwick

INVENTOR:

W. Cook

BY Munn & Co.

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WARREN COOK, OF ALLEGHENY CITY, PENNSYLVANIA.

## PICK.

SPECIFICATION forming part of Letters Patent No. 271,797, dated February 6, 1883.

Application filed May 23, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, WARREN COOK, of Allegheny City, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Miner's Pick, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved miner's pick which can be adjusted for use for various purposes.

The invention consists in a pick constructed with a plate having recessed wings and transverse grooves, whereby when the plate is folded sockets will be formed for the handle and for the tapered ends of implements—such as mattocks, pick-points, hammers, axes, &c.—which ends of the implements are passed into the sockets formed by the folded plate, and are held therein, so that my improved pick can be used like an ordinary pick; but the different implements can be changed very easily and rapidly as the circumstances may require. The folded plate is held together by rivets or bolts, and the folded plate is held on the handle by a ring placed around the ends of the recessed wings.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal elevation of my improved pick, showing two pick-points secured in the sockets. Fig. 2 is an edge elevation of the same. Fig. 3 is a plan view of the plate forming the sockets, the plate being extended or unfolded. Fig. 4 is a perspective view of the hammer. Fig. 5 is a perspective view of the mattock. Fig. 6 is a perspective view of the pick-point. Fig. 7 is a perspective view of the ax. Fig. 8 is an edge elevation, showing a modification of the socket.

A metal plate, A, is provided with two opposite lateral wings, B, which are stamped or pressed to form recesses or countersinks C, which are rounded, enlarged, and deepened at the inner ends, so that when these wings are folded against each other they will form a socket for receiving a handle, D, with an enlargement or rounded head at its upper end. The two wings are held against the handle D by a tapering ring, E, which is passed over the lower ends of the wings when the same are folded against the handle.

The plate A is provided with two transverse grooves, F, with beveled sides or triangular cross-section, which grooves extend across the plate A, at or near right angles to the wings B, and these grooves are tapered from both ends toward the middle, so that when the plate is folded the grooves F will form two tapering squared sockets, H, for receiving the tapering squared ends of picks, hammers, &c. The sides of the plates are held to each other when folded by bolts or rivets G, passed through them, as shown in Figs. 1 and 2. The sockets H will extend longitudinally along the upper part or edge of the folded plate held on the handle, and the sockets will be slightly inclined from the middle of the top of the folded plate toward the ends. The pick-point J, the hammer K, the mattock L, and the ax M are provided with squared tapering ends N, which fit into the sockets H, and at the inner ends of the tapering ends these implements are each provided with a shoulder, *a*, which rests against the outer ends of the sockets H and prevent the implements from being driven too far into the sockets. The folded plate A, forming the sockets, is held firmly on the handle D, and can be attached and detached very rapidly and conveniently, and the implements—such as a pick, mattock, adz, ax, &c.—can be easily placed into the sockets H and removed from the same, so that the pick can easily be adjusted for its different uses.

If desired, the sockets H can be arranged to have the bottom side at right angles to the upper edge of the plate A, as is shown in Fig. 8, the tapered ends of the implement having a corresponding position in relation to the cutting-ends.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a pick, the plate A, having wings B, provided with recesses C, having enlargements at the inner ends, and with transverse grooves having beveled sides, and which are tapered from the ends toward the middle, substantially as herein shown and described, and for the purpose set forth.

2. In a pick, the combination, with the handle D, of the plate A, provided with recessed wings B and transverse grooves F, and of the bolts or rivets G, for uniting the plate when folded, substantially as herein shown and described, and for the purpose set forth.

3. In a pick, the combination, with the handle D, of the plate A, provided with recessed wings B and transverse grooves F, the bolts or rivets G, and the collar or ring E, substantially as herein shown and described, and for the purpose set forth.

4. In a pick, the combination, with the handle D, of the plate A, provided with recessed wings B and transverse grooves F, forming sockets H, and of implements—such as picks, mattocks, hammers, &c.—having one end squared and beveled, and provided with a shoulder, *a*, at the inner end of the squared and beveled part, substantially as herein shown and described, and for the purpose set forth.

WARREN COOK.

Witnesses:
D. E. DAVIS,
JOHN M. MITCHEL.