

J. PEARCE.

Improvement in Construction of Picks and Rammer-Sockets.

No. 129,164.

Patented July 16, 1872.

Fig. 1.

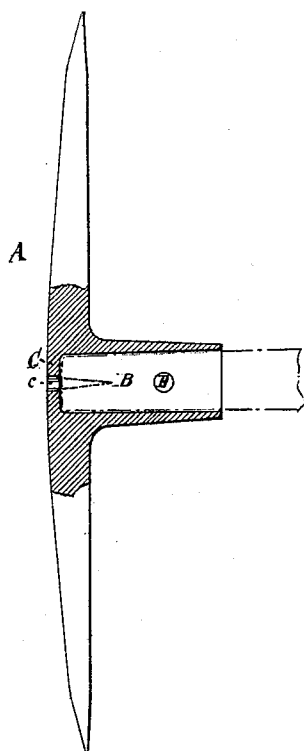
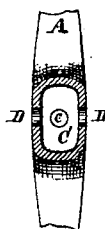


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN PEARCE, OF BARTON, MARYLAND.

IMPROVEMENT IN CONSTRUCTION OF PICK AND RAMMER SOCKETS.

Specification forming part of Letters Patent No. 129,164, dated July 16, 1872.

Specification describing an Improvement in the Construction of Pick and Rammer Sockets, invented by JOHN PEARCE, of Barton, in the county of Alleghany and State of Maryland.

The invention relates particularly to the picks and rammers used by miners; and consists in the improved construction thereof, as hereinafter fully described and then clearly pointed out in the claim.

Figure 1 is a vertical longitudinal, and Fig. 2 is a vertical cross-section, of the socket.

A represents a pick provided with a socket, B, which is formed in one piece therewith. This socket extends to within about a quarter of an inch of the front surface of the tool. C is the piece in front of eye, and *c* is a small perforation therethrough, which opens into the socket-hole. The object of the latter is to allow for contraction in tempering. D D are apertures on opposite sides of socket. The handle, being tapered slightly at the point, is split in the middle to receive a wedge. The handle being then driven into the socket, the wedge is forced up between the two end prongs,

and the handle fastened firmly to the pick or rammer. A transverse pin is then passed through side apertures D D, so that the handle cannot be worked out backward by jars.

The great object in a mining pick or rammer is to support and prevent the handle from splitting, and also to give sufficient thickness and strength around the eye to enable the metal to take the strain of percussion without cracking. The fracture of the wood is prevented by the socket, while the fracture of the metal is avoided by leaving the front C in its full strength, having only the slight perforation *c*.

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

A pick or rammer, provided with socket B extending only to the solid and perforated front C *c*, as described, and for the purpose set forth.

JOHN PEARCE.

Witnesses:

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