

(No. Model.)

J. Z. COBLENS.  
PICK.

No. 524,819.

Patented Aug. 21, 1894.

Fig. 1.

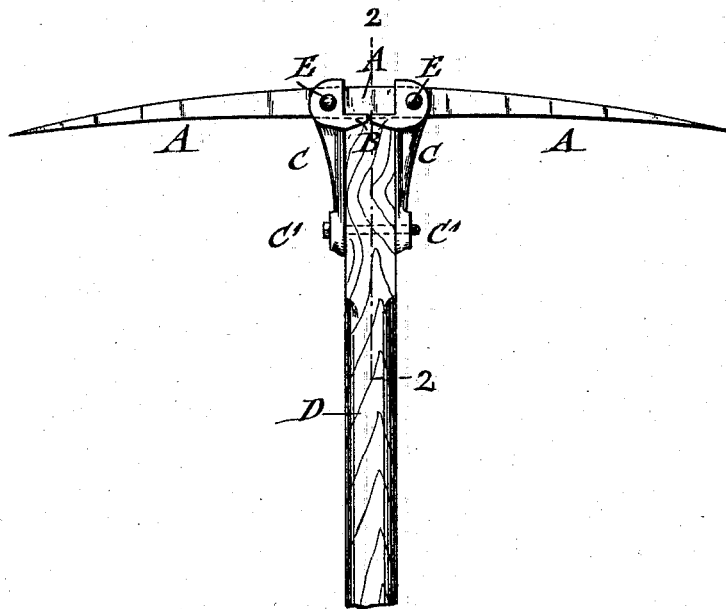


Fig. 2.

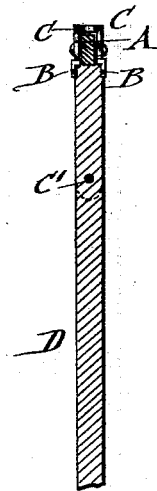


Fig. 3.

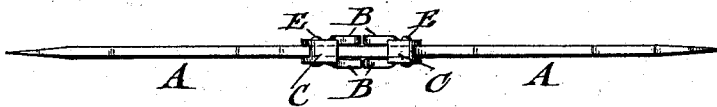
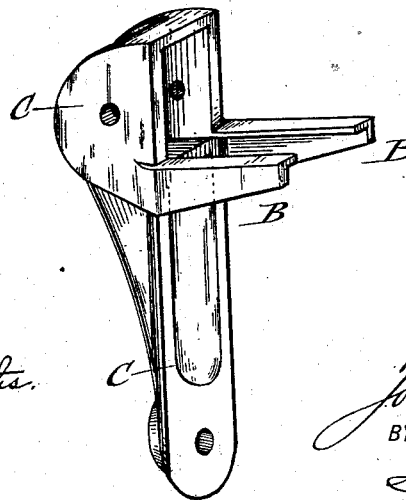


Fig. 4.



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# UNITED STATES PATENT OFFICE.

JOHN Z. COBLENS, OF NEW YORK, N. Y., ASSIGNOR TO THE EYELESS TOOL COMPANY, OF SAME PLACE.

## PICK.

SPECIFICATION forming part of Letters Patent No. 524,819, dated August 21, 1894.

Application filed December 28, 1892. Renewed June 20, 1894. Serial No. 515,192. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN Z. COBLENS, a citizen of the United States, residing in the city of New York, in the county and State of New York, have invented certain new and useful Improvements in Picks, of which the following is a specification.

This invention has reference to an improved pick of that class which is known as eyeless picks, and more especially to picks for light mining and other work in which not only a smaller size of pick-bar, but also a handle socket of reduced weight is required; and the invention consists of a pick-bar, the handle-socket of which is formed of two edge-pieces having openings for the middle-portion of the pick-bar, said edge-pieces being provided with abutments, that extend at right angles from the inner faces of the edge-pieces, rivets passing through holes of the upper part of the edge-pieces and the pick-bar and a screw-bolt that connects the lower ends of the edge-pieces with the handle, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1, represents a side-elevation of my improved pick. Fig. 2, is a vertical transverse section of the same, on line 2 2, Fig. 1. Fig. 3, is a top-view of the same, and Fig. 4, is a perspective view of one of the edge-pieces, shown as detached from the pick.

Similar letters of reference indicate corresponding parts.

Referring to the drawings A represents an eyeless pick-bar or other tool which is used for light mining or other work, and which is made of a considerably smaller size than the ordinary pick-bars in use. The middle-portion of the pick-bar is connected with the handle B by means of two edge-pieces C C which are provided at their upper ends with openings that correspond in size with the middle portion of the pick-bar, said openings fitting snugly to the pick and being provided at their upper and lower interior faces with a slight inclination or bevel, so that a biting action is exerted by the diagonally-opposite edges of the faces on the middle portion of the pick-bar. The lower ends or

shanks of the edge-pieces C C are provided with strengthening ribs and are attached to the handle D that is inserted between the same by means of a fastening screw-bolt C' that is passed through openings of the lower end of the edge-pieces C and through the handle, one end of the screw-bolt being provided with a head, while the other end is provided with a screw-thread so as to engage the interiorly-threaded opening of the opposite edge-piece C, as shown clearly in Fig. 1, and dispensing thereby with a separate screw-nut for this purpose. Each edge-piece C is provided with a laterally-projecting bracket-shaped or abutment B of angular cross-section, which abutments extend at right angles from the inner edges of the edge-pieces across the handle, until they form contact with each other at their inner ends. The inwardly-bent flanges of the abutments B form stops or rests against which the end of the handle B abuts. The upper ends of the edge-pieces C C are fastened to the pick-bar by transverse rivets E which pass through holes of the edge-pieces and pick-bar.

The construction described forms a very strong and reliable handle-socket for picks of small size, inasmuch as only two edge-pieces, two rivets and one fastening-bolt are necessary to form a strong and reliable socket connection between the pick-bar and the handle. At the same time the weight of the pick-bar and its handle-socket is greatly diminished, so that the pick is better adapted for mining and similar purposes for which a light and easily handled pick is required.

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

1. The combination, of a pick-bar, edge-pieces having openings for the middle-portion of the pick-bar and bracket-shaped abutments projecting toward each other, rivets passing through holes of the edge-pieces and pick-bar, a handle, and a screw-bolt for connecting the lower ends of the edge-pieces and pick-handle, substantially as set forth.

2. The combination, of a pick-bar, edge-pieces having openings in their upper ends for being applied to the middle-portion of the

pick-bar, and bracket-shaped abutments of angular cross-section, rivets passing through transverse holes of the edge-pieces and pick-bar a handle abutting against said angular abutments and a screw-bolt connecting the lower ends of the edge-pieces with the handle, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JOHN Z. COBLENS.

Witnesses:

PAUL GOEPEL,

CHARLES SCHROEDER.