(No Model.)

J. Z. COBLENS.

PICK.

No. 524,820. Patented Aug. 21, 1894.

Fig. 1.

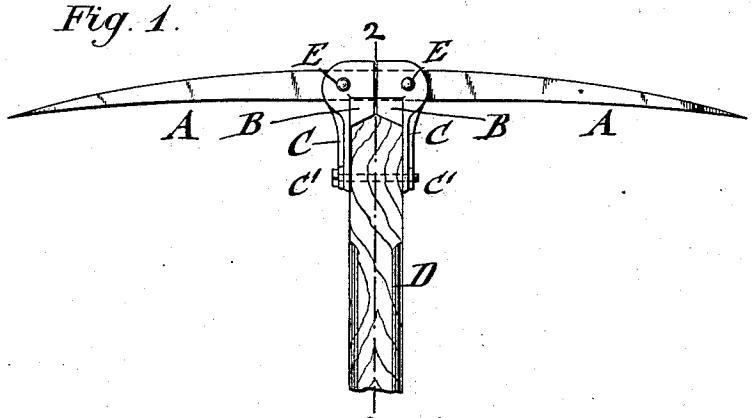


Fig. 2.

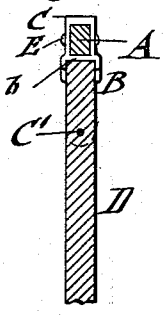


Fig. 3.

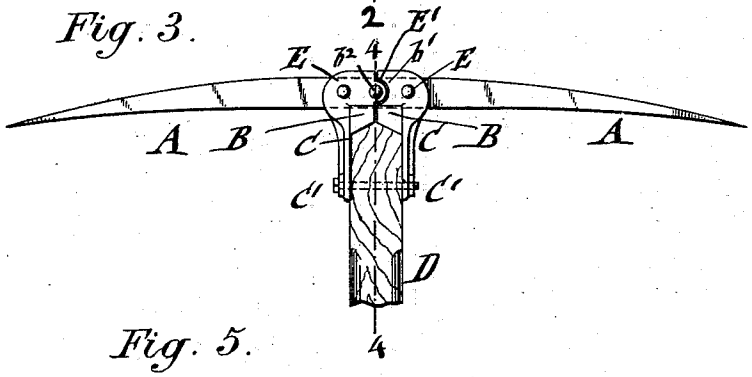


Fig. 4.

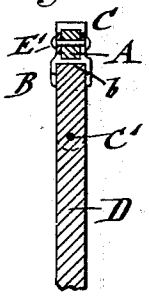
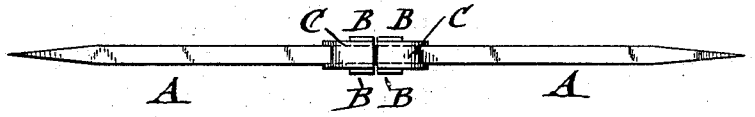


Fig. 5.



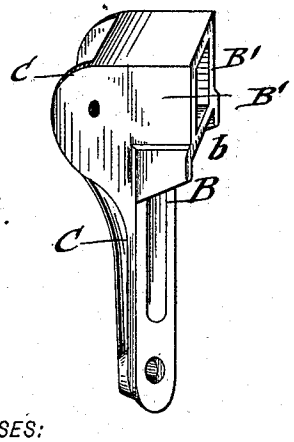


Fig. 6.

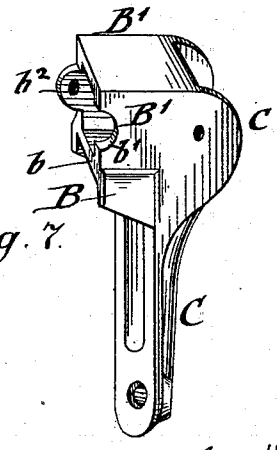


Fig. 7.

WITNESSES:

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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. 524,820, dated August 21, 1894.

Application filed June 23, 1894. Serial No. 515,454. (No model.)

To all whom it may concern:

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

This invention relates to an improved pick of that class which is known as eyeless picks, and more especially to picks in which the connection of the pick-bar with the handle-socket is made in a strong and reliable manner, whereby the construction of the pick is simplified and a stronger and more reliable tool obtained; 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 provided with abutments that extend at right angles from the inner faces of the edge-pieces, said abutments being connected by a transverse web, that forms the lower part of the box-shaped inner portion of each edge-piece. The edge-pieces of the handle-socket are connected with the pick-bar by means of transverse rivets which pass through registering holes in the upper parts of the edge-pieces and pick-bar, while a screw-bolt 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 also a side-elevation showing a modified construction of my pick. Fig. 4 is a vertical transverse section on line 4, 4, Fig. 3. Fig. 5 is a top-view of the pick, and Figs. 6 and 7 are respectively perspective views of the piece used in Figs. 1 and 3, said figures being drawn on a larger scale.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a pick-bar, or other tool, which is made of the ordinary size and shape but without the usual eye in its middle portion.

The handle D is connected with the middle portion of the pick-bar A 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 on the pick-bar 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 a fastening screw-bolt C′ that is passed through registering holes in the lower ends of the edge-pieces C C, and in 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 hole in the opposite edge-piece C and dispense thereby with a separate screw-nut for this purpose. Each edge-piece C is provided with a laterally-projecting bracket-shaped abutment B, which abutment extends at right angles to the inner edge of the edge-piece alongside of the handle, until they abut against each other at their inner ends. A transverse web *b* connects the abutments B of each end-piece, said web forming a stop or rest against which the end of the handle D abuts. Above the web *b*, each edge-piece C is provided with a box-shaped extension B′, which, like the abutments and their transverse web, is made in one integral casting with the edge-piece C, so as to embrace thereby the middle portion of the pick-bar on all sides and form thereby a strong connection with the same. Each edge-piece is connected with the pick-bar A by a transverse rivet E which passes through registering holes in the edge-piece and pick-bar, said rivets retaining the pick-bar rigidly in connection with the edge-pieces C, and the boxes B′ formed above the abutments B.

In some cases it is necessary to use an additional rivet E′ for connecting the handle-socket formed by the edge-pieces with the middle portion of the pick-bar. For this purpose, each edge-piece is provided at one side of its box B′ with a recess *b*′, and at the opsite side with a forward-extending lug b^2, as shown in Figs. 3 and 7, so that the lug b^2 of one edge-piece fits into the corresponding re-

cess b^3 of the adjacent edge-piece at each side of the pick-bar. The lugs b^2 are provided with holes which register with a transverse hole in the pick, so that a third rivet B′ can be used for connecting the handle-socket and the pick-bar.

The improved construction described forms a very strong and reliable handle-socket for picks of all kinds, by which the wabbling of the pick-bar in the handle-socket, or the playing loose of any of the parts is entirely obviated, while the handle-socket is composed of only five parts, namely, two edge-pieces, two rivets and one fastening-bolt. The inwardly-projecting abutments and the boxes above the same inclose entirely the middle portion of the pick-bar, so that the entry of sand or dust is prevented, while the clamping surface on the pick-bar is enlarged so that a strong and firmly-clamped connection between the pick-bar and handle is obtained.

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, a transverse web connecting the abutments of each edge-piece, a box-shaped extension above the web, 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 handle, substantially as set forth.

2. The combination of a pick-bar, edge-pieces having openings at their upper ends for being applied to the middle portion of the pick-bar, each edge-piece being provided with bracket-shaped abutments extending at right angles from the inner edges of the edge-pieces, a transverse web connecting the abutments of each edge-piece, a box-shaped extension above each web, provided with a recess at one side and a lug at the other side registering with the corresponding lug and recess of the adjacent box-extension, rivets passing through holes of the edge-pieces, lugs and pick-bar, a handle abutting against the transverse webs of the edge-pieces, 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,
K. R. BRENNAN.