

C. H. BLOW.

PICK.

APPLICATION FILED APR. 13, 1908. RENEWED MAR. 10, 1909.

938,955.

Patented Nov. 2, 1909.

2 SHEETS—SHEET 1.

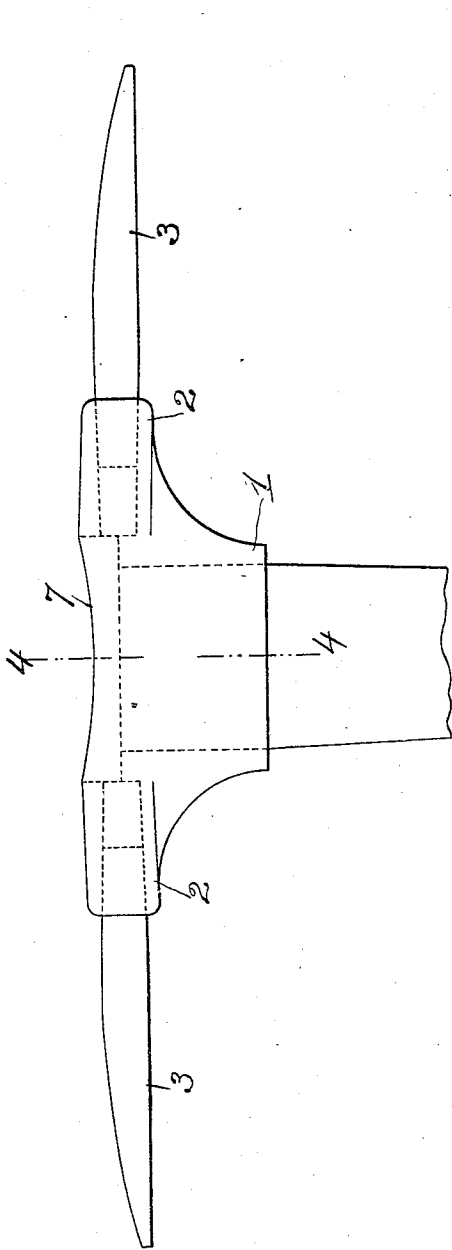


FIG. 1.

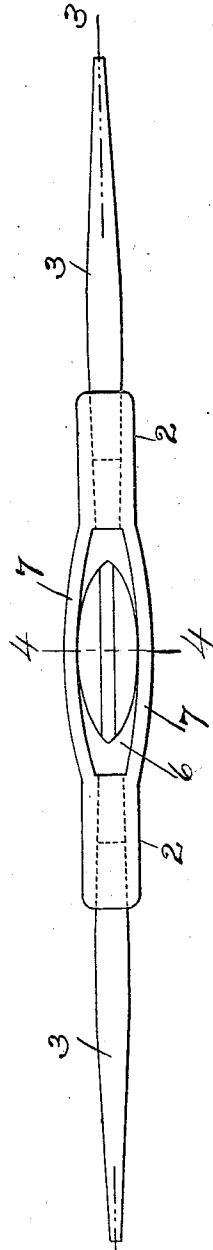


FIG. 2.

WITNESSES

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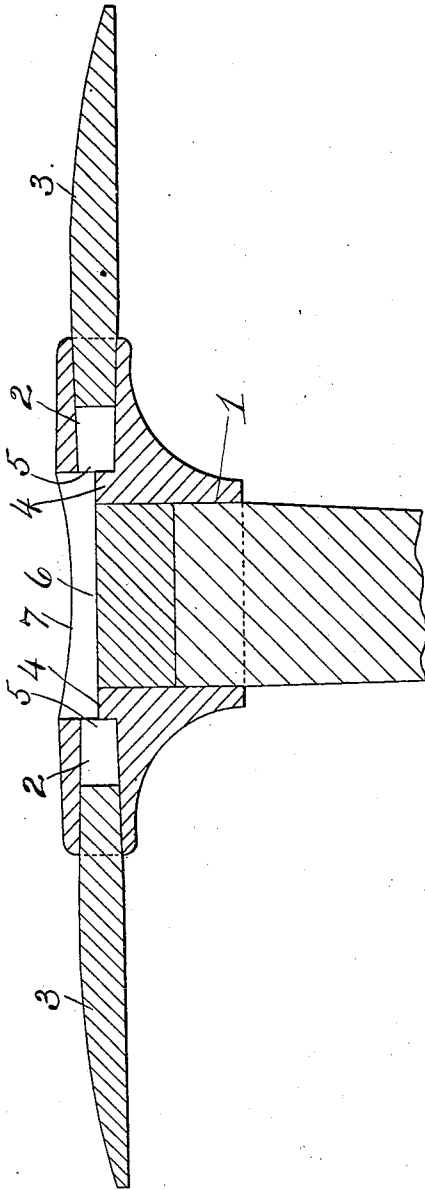


FIG. 3.

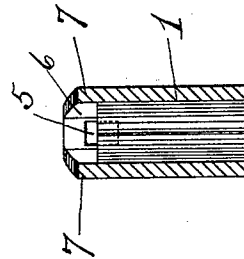


FIG. 4.

WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES H. BLOW, OF GRANDVILLE, CALIFORNIA, ASSIGNOR TO UNITED STATES PICK COMPANY, A CORPORATION OF CALIFORNIA.

PICK.

938,955.

Specification of Letters Patent.

Patented Nov. 2, 1909.

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To all whom it may concern:

Be it known that I, CHARLES H. BLOW, a citizen of the United States, residing at Grandville, county of Sonoma, and State of California, have invented certain new and useful Improvements in Picks, of which the following is a specification.

The invention relates to such improvements and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification.

Similar characters refer to similar parts in the several figures therein.

Figure 1 is a view in side elevation of a pick embodying my invention. Fig. 2 is a top plan view of the same. Fig. 3 is a central, vertical, longitudinal section of the same taken on the broken line 3—3 in Fig. 2. Fig. 4 is a vertical cross-section taken on the broken line 4—4 in Fig. 2.

My invention relates to tool-holders for removably connecting with an operating handle two transversely and oppositely projecting tools.

The invention is especially applicable to picks wherein the tools are represented by removable pick-points; but the device is readily adapted for varied uses by substituting for the removable pick-points other removable tools adapted for the work in hand.

The principal object of the invention is to facilitate the removal of the tools, when desired, while securing great strength in the tool-supporting head, and the transmission in direct lines to each tool and its retaining socket the force of impact of the other tool against a resisting object.

Other objects will appear in connection with the following description.

Referring to the drawings wherein the invention is shown in preferred form, the tool-holder or head is shown in the form of an integral body having a handle-socket, 1, formed by an opening through the head, and two oppositely and transversely disposed outwardly-facing inwardly-tapering tool-sockets, 2—2, adapted to receive the similarly tapered shanks of the tools, shown in the drawings in the form of pick-points 3.

As shown in Fig. 3, the handle-socket-wall laps and partly closes the inner ends of the tool-sockets at, 4, leaving beyond said handle-socket-wall apertures, 5, communicating with the inner ends of the respective tool-sockets.

The tool-sockets through the apertures, 5, and the handle-socket all communicate at their neighboring ends with an open space, 6, inclosed between side-walls, 7, of the head, which side-walls extend outwardly to the plane of the axes of the tool-sockets, which axes are in line with each other. These side-walls, 7, comprise extensions of all of the socket-walls, which extensions together form, on opposite sides of the head, a solid connection between the tool-socket walls in the transverse plane of the tool-sockets, as well as a solid connection between the walls of all the sockets.

The tool-sockets are slightly tapered inwardly so that when a correspondingly tapered tool-shank is driven into one of said sockets it will become tightly wedged and self-retained therein.

The apertures, 5, which communicate with the inner ends of the respective tool-sockets permit the insertion of a punch or like device, whereby the tool can be driven out of its socket when desired.

By means of the construction above described, I am able to provide the apertures for thus facilitating the removal of the tool, without depriving the holder or head of the strength which is desirable and necessary for the work required.

In the use of the pick or like device embodying my invention, the force of impact of either tool against a resisting force will be transmitted in direct lines to the other tool and its retaining socket, and is so transmitted not only through the side-walls, but also through the handle and handle-socket where the same lap and partly close the inner ends of the respective tool-sockets, as shown at 4. It will thus be seen that at each stroke there is transmitted to the striking tool directly along the line of its axis substantially the whole momentum of the other tool and tool-socket thereby giving great force to the blow, and that the structural form of the holder is especially well adapted to resist such force.

What I claim as new and desire to secure by Letters Patent is—

1. A head for picks and the like, comprising in an integral body, a handle-socket, two
5 outwardly-facing inwardly-tapered tool-sockets having their axes substantially in line with each other, and side-walls directly connecting together said tool-sockets and extended outwardly to the plane of their axes,
10 said tool-sockets being respectively provided with openings at their inner ends.

2. A head for picks and the like, comprising in an integral body, a handle-socket, two
15 outwardly-facing inwardly-tapered tool-sockets having their axes substantially in line with each other, and side-walls directly connecting together said tool-sockets and extended outwardly to the plane of their axes, the wall of said handle-socket lapping and
20 partly closing the inner ends of the tool-

sockets, leaving beyond said handle-socket-wall apertures communicating with the inner ends of the respective tool-sockets.

3. A tool-holder, having a handle-socket, and two oppositely and transversely disposed
25 outwardly-facing, inwardly-tapering tool-sockets, all of said sockets communicating at their neighboring ends with an open space; and side-wall extensions of all the sockets which together form on opposite sides of the
30 holder a solid connection between the tool-socket walls in the transverse plane of the tool-sockets.

In testimony whereof, I have hereunto set my hand this 12th day of November, 1907. 35

CHARLES H. BLOW.

Witnesses:

ADDIE L. BALLOU,
H. J. POWER.