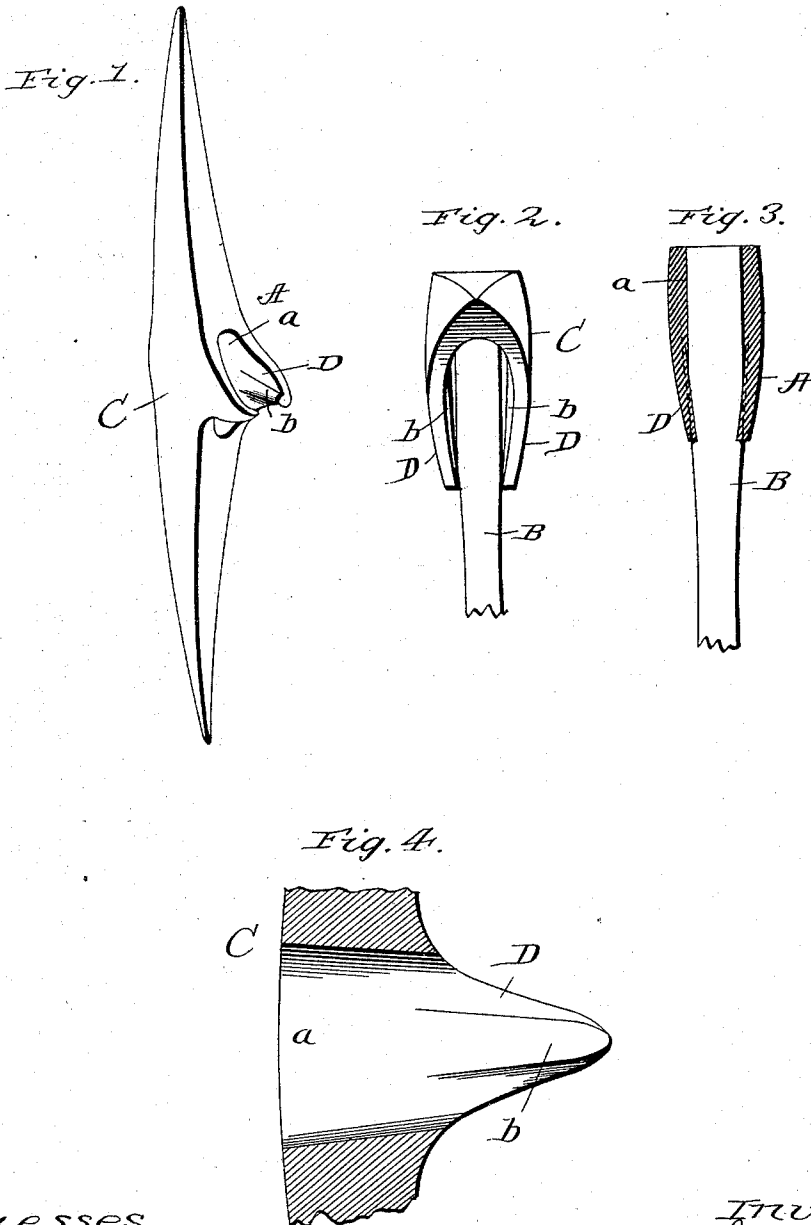


(No Model.)

M. HARDSOEG.
PICK.

No. 527,331.

Patented Oct. 9, 1894.



Witnesses.

C. Paeder
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UNITED STATES PATENT OFFICE.

MARTIN HARDSOEG, OF OTTUMWA, IOWA.

PICK.

SPECIFICATION forming part of Letters Patent No. 527,331, dated October 9, 1894.

Application filed December 1, 1893. Serial No. 492,512. (No model.)

To all whom it may concern:

Be it known that I, MARTIN HARDSOEG, a citizen of the United States, residing at Ottumwa, in the county of Wapello and State of Iowa, have invented certain new and useful Improvements in Picks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in picks; and it has for its general object to provide a simple and practical pick head embodying such a construction that it may be readily placed upon a handle in a position exactly at right angles thereto, and may be fixed with respect to the handle so as to effectually prevent it from moving upon or flying off the same.

With the foregoing end in view, the invention will be fully understood from the following description and claims when taken in connection with the annexed drawings, in which—

Figure 1, is a pick head embodying my invention. Fig. 2, is an end elevation illustrating the manner in which the head is placed upon the handle and adjusted with respect to the same before being fixed in position. Fig. 3, is a transverse section illustrating the head as fixed on the handle, and Fig. 4, is an enlarged, detail section illustrating the inner side of one of the lugs or ears of the pick head.

Referring by letter to said drawings:—A, indicates my improved pick head, and B, indicates the handle employed in conjunction therewith, which handle is preferably of the general form illustrated. The head A, is cast or otherwise formed in one piece as better shown in Fig. 1, of metal having sufficient malleability, and it comprises the body C, which may be of any suitable form and is provided with an eye *a*, to receive the handle, and the lugs or ears D, which extend laterally from the inner side of the head and are disposed on opposite sides of the eye, as shown. These lugs or ears D, are arranged such a distance apart as to permit of the handle being introduced and adjusted between them and they are slightly bowed as shown so that

when they are forced in against the handle, as presently described, their free portions will take into the handle and will securely fix the head thereon, so as to prevent it from flying off, in practice.

In order to prevent the head from moving out of its original position at right angles to the handle, after the lugs or ears have been forced in against the handle, as just described, I provide the said lugs upon their inner sides with ribs as *b*. These ribs *b*, are arranged in the longitudinal center of the lugs and extend the major portion of the length thereof, and they are designed and adapted to take into the handle when the lugs are forced inwardly so as to effectually prevent the head from rocking or moving upon the handle, which is a desideratum.

In the practice of the invention, when it is desired to mount the head upon the handle, the handle is introduced between the lugs and is pushed into the eye. The head is then adjusted until it occupies a position exactly at right angles to the handle, which may be determined by any suitable measuring instrument, when the lugs or ears D, are forced in against the handle so as to fix the head against moving upon and flying off of the handle.

As will be readily appreciated from the foregoing description taken together with the drawings, my improved pick-head may be readily mounted and fixed upon a handle in a position at right angles thereto; without the employment of skilled labor; and, as is obvious, much better work can be accomplished by a pick, the head of which remains in its true position, than with one, the head of which does not rest at right angles to the handle.

I am well aware that it is old to provide the shank of a screw driver or similar implement with a soft or ductile metal bolster of circular form in cross section, having longitudinal feathers on its inner side; the said bolster being adapted to receive a handle and be fixed thereon by the inward swaging of its end. I therefore make no claim to such construction but

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

1. In a pick, the combination of a handle, and a head comprising a body having an eye to receive the handle, and lugs or ears extending laterally from the head and disposed
5 on opposite sides of the eye, and having longitudinal ribs or projections upon their inner sides, the said lugs or ears possessing sufficient ductility to permit of them being swaged in against the handle substantially
10 as specified.

2. As an improved article of manufacture, a pick head comprising a body having an eye to receive a handle and lugs extending from the body and disposed on opposite sides of
15 the eye and having longitudinal ribs or projections upon their insides, the said lugs possessing sufficient ductility to permit of them

being swaged in against a handle, substantially as and for the purpose set forth.

3. As an improved article of manufacture, 20 a pick head comprising a body having an eye, and lugs extending from the body and bowed in the direction of their length and having ribs or projections upon their inner sides, the said lugs possessing sufficient ductility 25 to permit of them being swaged in against a handle, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

MARTIN HARDSOCC.

Witnesses:

W. A. WORK,
GEO. F. HEINDEL.