J. E. Emerson,

Tool Handle,

No. 23,358, Patented Mar. 29, 1859.

Fig 1

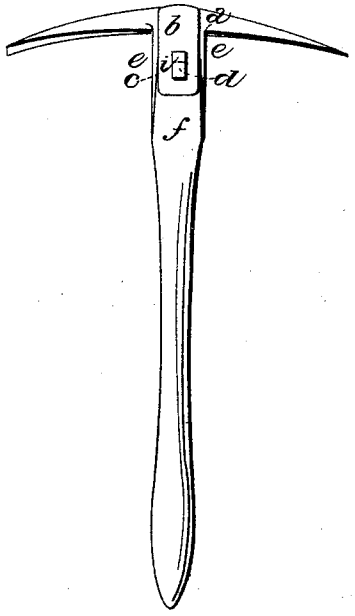


Fig 2

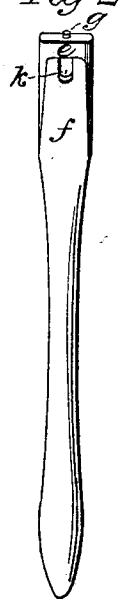


Fig 3

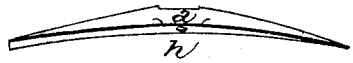


Fig 4

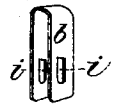


Fig 5



Fig 6



Witnesses:

J. W. Marshall

Chas. F. Hymes

Inventor:

James E. Emerson

A.M. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

JAMES E. EMERSON, OF SACRAMENTO, CALIFORNIA.

PICK-HANDLE.

Specification forming part of Letters Patent No. 23,358, dated March 29, 1859; Reissued April 29, 1862, No. 1,304.

To all whom it may concern:

Be it known that I, JAMES E. EMERSON, of the city and county of Sacramento and State of California, have invented a new and Improved Mode of Fastening Handles on Picks and other Instruments Without Eyes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view; Figs. 2, 3, 4, 5, and 6 are transverse sections, as follows to wit:

Fig. 1 represents a solid pick made of cast steel, and fastened to a wooden handle, having an iron heading with a level face and a pin on the end, and securely fastened to the handle by means of straps extending from the heading; and with an iron stirrup extending round the outside of the pick and on the sides of the handle, being fastened thereto by means of a key and wedge.

Fig. 2, represents a handle made of wood in any usual form with a heading on the end, of solid iron, and having a perfectly level surface with a projecting pin on the center, represented in said figure by the letter "*g*" and straps extending on the sides of the wood represented in said figure by the letters "*e*" "*e*" by means of which the heading is fastened to the wood "*f*" with rivets or screws. Fig. 3, represents a solid cast steel pick, in which letter "*h*" is a punched or drilled hole to admit the pin "*g*" of Fig. 2, whereby the pick having shoulders on the back, is prevented from moving backward or forward.

Fig. 4, represents an iron stirrup, made to cover and surround the outside of the pick, and extend over the heading described in Fig. 2, and along the sides of the handle, being fastened thereto by means of a key, represented in Fig. 5, letter "*d*" with flanges "*n*" "*n*", and a wedge represented in Fig. 6, letter "*c*," extending through the apertures in the stirrup represented in Fig. 4, by letters "*i*" "*i*" and the aperture in the handle represented in Fig. 2, by the letter "*k*."

The nature of my invention consists in providing the end of a handle with a combined fastening complete in itself, which will secure a pick or other instrument thereon, without an eye in the instrument, and prevent the handle becoming loose by shrinking of the wood, and also prevent the weakening of the instrument by having an eye to contain a handle.

I construct the pick or other instrument in any of the usual forms, but without an eye for the handle; and instead thereof, with shoulders on the outside or back, and a small hole, or a swelling or other device, on the under side, as represented in Fig. 3, at the letters "*a*" "*h*" so as to correspond with a pin or hollow or other device, on the end of the handle as represented in Fig. 2, by the letter "*g*." Also I construct the handle in the usual form and of a convenient size to suit the instrument, and on the end thereof, securely fasten with screws or rivets an iron heading, with a solid front or face having a pin in the center or a hollow or other device corresponding in shape with the pin, swelling, or other device on the under side of the pick or other instrument as represented in Fig. 3 letter "*h*"; which heading as represented in Fig. 2, letter "*g*" being fitted exactly to the underside of the pick or other instrument, as represented in Fig. 3, letter "*h*" and securely fastened thereto by means of the stirrup as represented in Fig. 4, letter "*b*", with the key represented in Fig. 5, letters "*d*", "*n*", "*n*", and the wedge represented in Fig. 6 letter "C" passing through the apertures in the stirrup letters "*i*" "*i*" Fig. 4, and the aperture in the handle as represented in Fig. 2, letter "*k*", fastens the handle on the pick or other instrument, as represented in Fig. 1, letters "*a*", "*b*", "*c*", "*d*", "*e*", "*f*".

What I claim as my invention and desire to secure by Letters Patent is the iron heading of a handle fitted to the under side of a pick or other instrument by means of a pin and hole on corresponding plane surfaces or a swelling and hollow corresponding to each other, and securely fastened thereto by means of a stirrup extending over the pick or other instrument, and secured to the handle by means of a key and wedge, which will by such combination form a durable and permanent mode of fastening handles on picks or other instruments without eyes therein.

The benefits of this improvement are, that one handle may be used for several instruments—that the instruments are not liable to break at the eye nor become loose by the expansion, contraction or decay of the wood in the handle and they are more portable than any other. They can also be manufactured of better material and at less expense than any other and will last longer.

JAMES E. EMERSON.

Witnesses:
CHAS. HYMES,
I. B. MARSHALL.

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