No. 661,523. Patented Nov. 13, 1900.

J. A. HEINTZ.

PROTECTOR FOR TOOL HANDLES.

(Application filed Mar. 19, 1900.)

(No Model.)

Fig. 1.

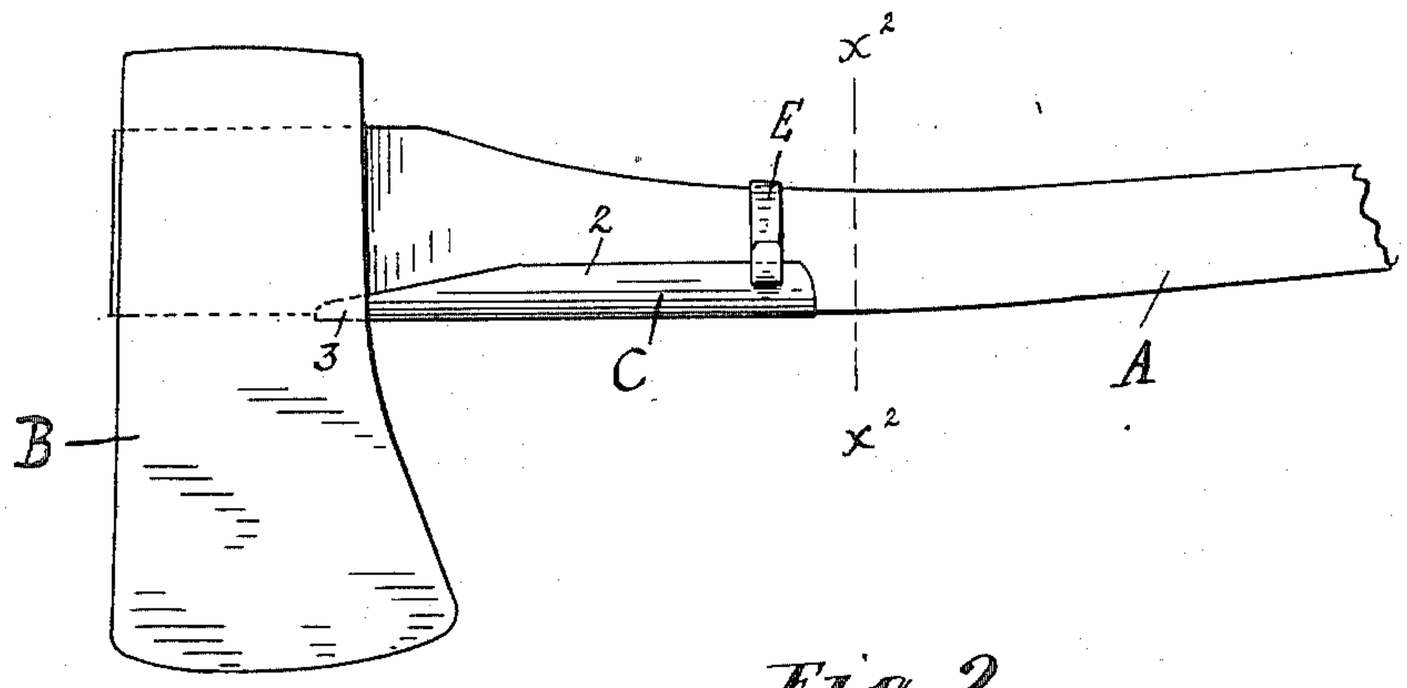

Fig. 2.

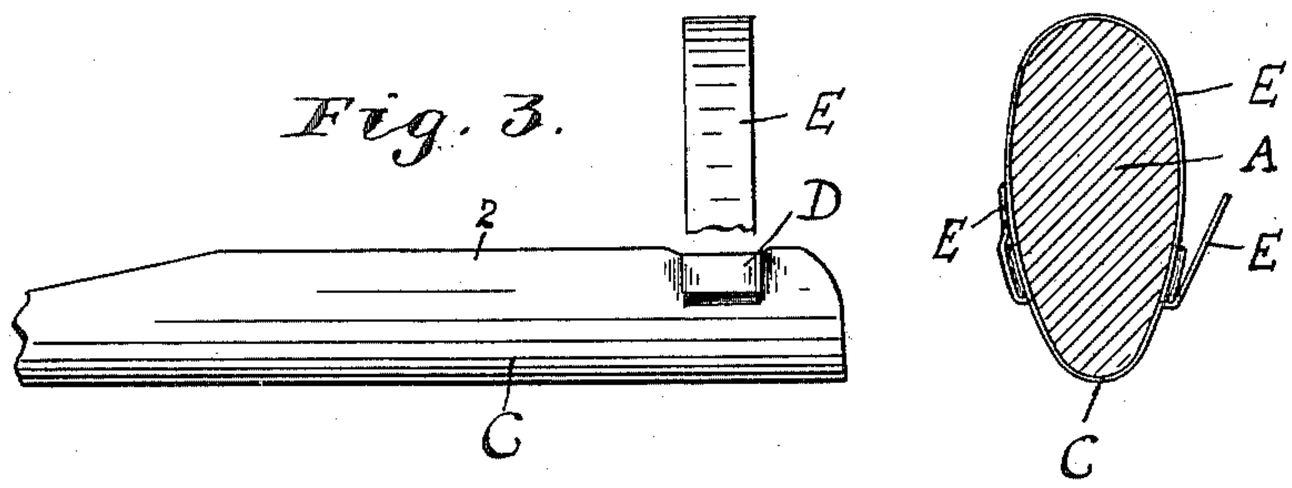

Fig. 3.

Fig. 4.

Witnesses.
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UNITED STATES PATENT OFFICE.

JOHN A. HEINTZ, OF MENOMONIE, WISCONSIN.

PROTECTOR FOR TOOL-HANDLES.

SPECIFICATION forming part of Letters Patent No. 661,523, dated November 13, 1900.

Application filed March 19, 1900. Serial No. 9,203. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. HEINTZ, a citizen of the United States, residing at Menomonie, in the county of Dunn and State of Wisconsin, have invented certain new and useful Improvements in Protectors for Tool-Handles, of which the following is a specification.

My invention relates to improvements in devices for the protection of tool-handles against abrasion and splitting, its object being to provide a shield for that part of the handle next to the head which may be cheaply constructed and easily secured in place and which shall thoroughly protect that part of the handle against injury from blows.

To this end my invention consists in the features of construction and combination hereinafter specifically described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a view of my invention as applied to a common ax. Fig. 2 is a cross-section on line x^2 x^2 of Fig. 1 with one end of the attaching-clip not entirely turned back. Fig. 3 is a side elevation of the shield and clip, partly broken away. Fig. 4 is a plan view of the attaching-clip before it is attached to the shield.

In the drawings, A represents an ordinary ax-handle carrying an ax-head B.

C is a metallic shield shaped to fit the under side of the handle adjacent to the blade, with its sides 2 extending some distance upwardly to cover partially the sides of the handle and having one end 3 pointed to enter the eye of the tool. The shield is formed on either side with an eye D to receive the ends of the attaching-clip E. This clip consists of a pliable strip, preferably of metal, of suitable length to pass around the handle.

In use the shield is first put in place upon the handle with its pointed end forced within the eye of the tool. The clip is then bent around the upper side of the handle and its ends passed one through each of the eyes D on opposite sides of the shield and turned back on themselves against the sides of the strip, as shown in Figs. 1 and 2, thus holding the shield securely in place.

My invention lies particularly in the shape of the shield and the means for attaching it in place. It will be seen that the shield, being shaped to fit the tool-handle and extending upward some distance upon the sides, forms a complete protection against blows. The clip E, by which the shield is secured in place, is easily loosened to allow adjustment, and the device as a whole is more efficient and cheaply constructed than other devices for the same purpose.

While I have shown the device used in connection with an ax, it is evident that it may be used equally well in connection with a hammer or other tool carried by a handle.

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

1. A protector for tool-handles, comprising in combination a shield fitted to one side of the handle and an attaching-strip passing around the handle and through an eye in the shield.

2. A protector for tool-handles, consisting of a shield fitted to one side of the handle and adapted to fit into the eye of the tool, and a clip passing around the handle and through eyes in the opposite sides of the shield.

3. A protector for tool-handles, consisting of a shield shaped to fit the under side of the handle and extending upwardly on either side, and an attaching-strip adapted to be passed around the handle and through eyes in the opposite sides of the shield.

4. A protector for tool-handles, consisting of a shield shaped to fit the under side and sides of the handle and pointed at one end to enter the eye of the tool, and a pliable attaching-clip adapted to be passed around the handle and through eyes in the opposite sides of the shield.

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

JOHN A. HEINTZ.

Witnesses:
JOHN JAS. LOONEY,
NEWELL BURCH.