(No Model.)

P. H. LETTRÉ.

TOOL HANDLE.

No. 565,360. Patented Aug. 4, 1896.

Fig. 1.

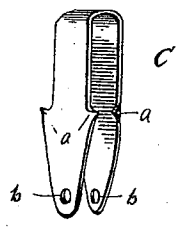


Fig. 3.

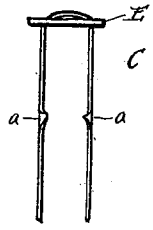


Fig. 2.

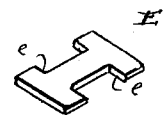


Fig. 4.

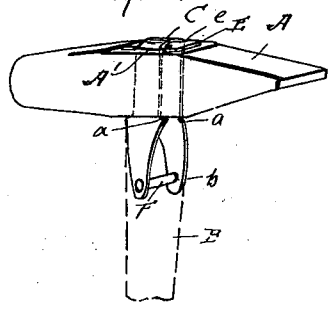


Fig. 5.

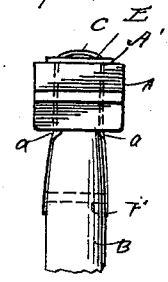
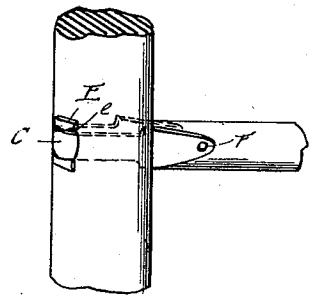


Fig. 6



WITNESSES

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TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 565,360, dated August 4, 1896.

Application filed January 8, 1896. Serial No. 574,734. (No model.)

To all whom it may concern:

Be it known that I, PHILIP H. LETTRÉ, a citizen of the United States, and a resident of North Attleborough, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Tool-Handles; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a perspective view of yoke or clevis. Fig. 2 is an end view of same with key inserted. Fig. 3 is a perspective view of key. Fig. 4 is a perspective view of yoke or clevis and key inserted in hammer-head, handle being shown in dotted lines. Fig. 5 is an end view of hammer with invention applied thereto. Fig. 6 shows the invention as applied to chair-rung.

The object of this invention is to provide a simple, convenient, and efficient fastening for tool-handles, ladder-rungs, chair-legs, and the like; and the invention consists in the novel construction and combination of parts, all as hereinafter described, and pointed out in the appended claim.

In the accompanying drawings, for purposes of illustration, I have shown the invention applied for the purpose of securing a hammer-head to its handle, and from this illustration and the following description its use with other tools and for other purposes will be understood.

In the drawings the letter A designates the hammer-head, and B the handle.

C designates a yoke or clevis which is preferably formed of a strip of spring-steel bent upon itself into approximately **U** form. Each arm of the yoke or clevis is formed with the lateral offsets or shoulders *a*, and their free end portions are perforated, as indicated at *b*.

E designates a key which consists of a small plate which is cut away centrally at both edges to form the end shoulders *e*. The plate is sufficiently long to span the eye or opening A′ of the tool-eye, and the cut-away portion is of the proper length to seat the bend of the yoke or clevis.

The key is placed through the bow of the yoke or clevis, and the latter is inserted through the eye or opening A′ from the upper or outer side. The handle is then inserted in said eye or opening from the opposite side and between the arms of the yoke or clevis, which extend down upon opposite sides thereof. A pin or other fastening device F is then driven through the perforations *b* and through or into the handle. When the handle is inserted between the arms of the yoke or clevis, the said arms are spread, which brings the shoulders *a* into position to engage the under side of the tool-head, thereby forming an additional fastening and relieving the pin F.

In fastening a chair-leg, ladder-rung, or the like the yoke or clevis, with the key inserted therethrough, is passed through the opening or mortise in which the leg or rung is to be seated. The leg or rung is then inserted in the opening or mortise between the arms of the yoke or clevis and is secured in the same manner as the tool-handle above described.

The yoke or clevis C is, as indicated in the drawings, cut in one piece from thin sheet metal and is bent into form. The key also is preferably cut out of sheet metal. The cost of manufacture is therefore very slight, and the yoke or clevis, while being so thin that it is not necessary to reduce the handle but very slightly, has the necessary strength. Moreover, being of spring character, it can adapt itself to handles of different sizes and does not require to be specially fitted.

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

The herein-described means for securing tool-handles in tools, and for other purposes, consisting of a piece of thin spring metal bent into a yoke or clevis of approximately **U** shape and having its arms formed with lateral offsets or shoulders in the plane thereof, together with a key consisting of a small piece of flat metal having opposite cut-away portions designed to seat the bow of said yoke or clevis, and means whereby the arms of said yoke or clevis may be secured to the handle, substantially as specified.

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

PHILIP H. LETTRÉ.

Witnesses:

H. A. HALL,

FRED B. BYRAM.