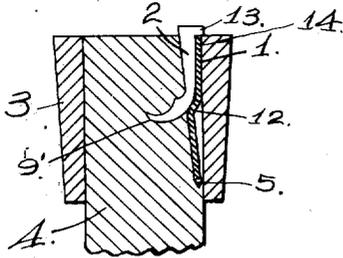


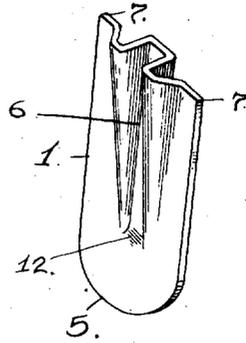
1,018,353.

Patented Feb. 20, 1912.

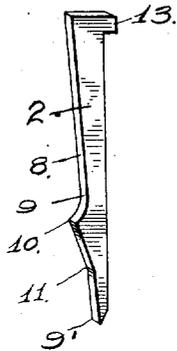
*Fig. 1.*



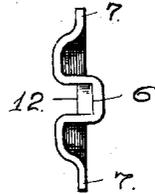
*Fig. 2.*



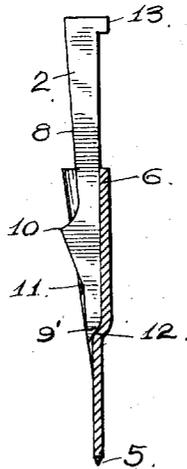
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



Witnessed:  
 Arthur L. Lee.  
 S. Constantine.

Inventor:  
 R. B. Fageol  
 by *[Signature]*  
 His Atty.

# UNITED STATES PATENT OFFICE.

ROLLIE B. FAGEOL, OF OAKLAND, CALIFORNIA

SECURING ATTACHMENT FOR TOOL-HEADS.

1,018,353.

Specification of Letters Patent.

Patented Feb. 20, 1912.

Application filed June 6, 1910. Serial No. 565,156.

*To all whom it may concern:*

Be it known that I, ROLLIE B. FAGEOL, a citizen of the United States, residing in Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Securing Attachments for Tool-Heads, of which the following is a specification.

The hereinafter described invention relates to an improved attachment for securing the heads of tools, such as hammers, axes, picks, trowels, in fact cutting tools generally, to the wooden handle thereof, although its use is not confined to such tools, for the same may be utilized wherever a permanent lock wedge is desired.

The object of the invention is the production of a simple, inexpensive, and efficient securing attachment which may be quickly applied for wedging and uniting of one part of a tool to the wooden member thereof.

For an understanding of the invention, reference should be had to the accompanying sheet of drawings, wherein—

Figure 1 is a broken detail view disclosing the attachment as applied for the securing of a hammer head to its handle. Fig. 2 is an enlarged perspective view of the wedge plate. Fig. 3 is a similar view of the lock wedge. Fig. 4 is a top plan view of the wedge plate. Fig. 5 is a view disclosing the assembled position of the lock key and wedge plate.

The securing attachment comprises a wedge plate member 1 and a lock key member 2, which co-acts with the wedge plate to firmly secure a tool head 3 to its handle 4. The wedge plate member 1 is stamped from a single piece of metal, the lower end portion 5 of which is preferably reduced to substantially a feather-edge. In fact, the said member is gradually tapered downwardly to give a wedge like appearance thereto, the same being stamped with the tapered vertical seat 6 for the reception of lock-key member 2, the fluted or corrugated lateral extensions 7 of the wedge plate acting as bearing surfaces to hold the same against a turning action when being driven home.

The lock-key 2 is of wedge like form, the outer face 8 of which is inwardly inclined from its top to within a given distance from its lower end 9 at which point is formed an outwardly projected shoulder 10, downwardly inclined to the point 11, from which

point the lower end portion 9' of the lock key is slightly outwardly inclined, which portion of the key rides on the outwardly inclined bottom wall section 12 of the key seat 6. At its upper end the lock key 2 is formed with an inwardly projected shoulder 13, which, when the lock-key is driven home within its seat 6, bears on the upper edge of the wedge plate 1 and the inner surface of the eye 14 of the tool head, and holds the same securely locked against displacement.

After the wedge plate 1 has been properly positioned between the parts to be united and driven down, the lock key 2 is fitted within its seat 6 and then driven home. As the said key is forced downwardly, its lower end 9' by reason of the outwardly inclined bottom wall section 12, is gradually turned or curved outwardly or away from the wedge plate and embeds itself and the shoulder 10 into the wood of the part to be united, the lock-key being, so to say, clenched in locked position and by being so clenched securing a firmer lock union between the parts than would otherwise be obtained by a mere wedge action or expanding of the wood within the eye or socket of the tool head to be held thereto. The lock union thus secured is the same type of hold obtained by a clenched staple, so that the parts cannot be separated or worked loose without breaking or destroying the lock key at a point above its embedded shoulder portion 10.

Having thus described the invention what is claimed as new and desired to be protected by Letters Patent is—

1. In a handle fastening, a wedge plate comprising a flat metal plate having a tapering key seat stamped therein, the portions of the plate at each side of said key seat being struck out to form tapering ribs extending downwardly from the top of the plate and merging into the plate adjacent the bottom edge thereof, and a lock key for said seat.

2. In a handle fastening, the same comprising a wedge plate member provided with a vertical lock key seat terminating in an outwardly inclined bottom wall, a lock key for said seat, and an outwardly projected shoulder on said key adjacent its lower end, which end as forced over the bottom surface of the lock key seat is outwardly turned and embedded in the member to be locked.

3. In a handle fastening, the same com-

prising a downwardly tapered wedge plate member provided with a vertically disposed lock key seat and laterally extended bearing surfaces, an outwardly inclined bottom wall  
5 section to the lock-key seat, a downwardly tapered lock key provided with an engaging shoulder at its upper end, and an outwardly projected shoulder adjacent the lower end of the lock key, the terminal section of the lock

key being inclined to ride over the bottom 10 wall of the lock key seat.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROLLIE B. FAGEOL.

Witnesses:

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D. B. RICHARDS.