No. 826,168. PATENTED JULY 17, 1906.

D. IVE.

MEANS FOR FASTENING THE HEADS OF TAIL HAMMERS.

APPLICATION FILED APR. 8, 1905.

Fig: 1.

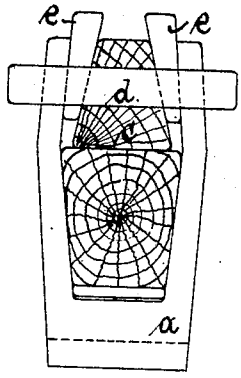


Fig: 2.

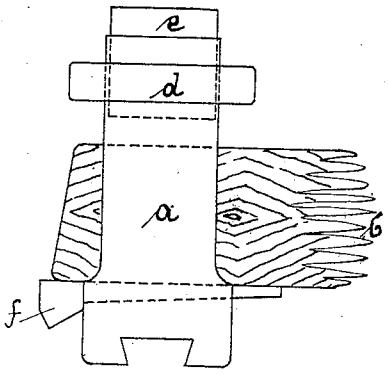
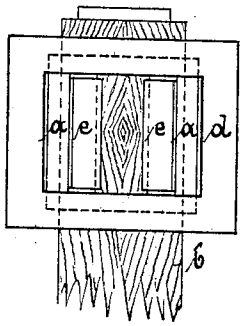


Fig: 3.



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UNITED STATES PATENT OFFICE.

DOMINIK IVE, OF SOLINGEN, GERMANY.

MEANS FOR FASTENING THE HEADS OF TAIL-HAMMERS.

No. 826,168. Specification of Letters Patent. Patented July 17, 1906.

Application filed April 8, 1905. Serial No. 254,618.

To all whom it may concern:

Be it known that I, DOMINIK IVE, a resident of Solingen, Germany, Brühlerstrasse 74, have invented a certain new and useful Improvement in Means for Fastening the Heads of Tail-Hammers and the Like, of which the following is a specification.

The objects of my invention are to provide improved means for fastening the heads of tail-hammers and the like, whereby the head is rendered self-wedging on its shaft and the liability of the wood shaft to split due to the wedges driven in from the front, as hitherto practiced, is obviated.

Referring to the drawings which form a part of this specification, Figure 1 is a front end elevation. Fig. 2 is a side elevation; and Fig. 3 is a plan of the head of a tail or tilt hammer, showing only part of the hammer-shaft.

a is the hammer-head having upper converging walls, and *b* is the wooden shaft.

c is a wood block with inclined sides.

d is a metal ring of rectangular shape in plan, having its inside surfaces shaped to fit the upper part of the head *a*.

e e are two metal wedges.

f is an ordinary bearing-wedge.

In fastening the hammer-head *a* on the handle *b* according to this invention the metal ring *d* is slipped on the hammer-head and the wood block *c* is placed with its wider base resting on the shaft *b* inside the hammer-head. Then the wedges *e e* are inserted, one on each side, between the block *c* and the hammer-head and then driven firmly downward in a direction approximately parallel to the working plane of the hammer toward the shaft *b*. By this means the hammer-head is fixed firmly on the shaft and in such a manner that it will have a constant tendency to become fixed more tightly on the shaft by the impact of the hammer. Further, this fastening will prevent the splitting of the hammer-shaft.

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

In combination in a hammer-head having an opening therein extending from a point near its lower end through the top the upper walls of said head being convergent, a handle fitting in said opening, a wedge-shaped block resting on said handle within the opening metal wedges adapted to be driven on each side of the block in a direction approximately parallel to the movement of the handle between said block and the hammer-head, and a ring surrounding the upper part of the hammer-head, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

DOMINIK IVE.

Witnesses:

VICTOR W. HELDT,

RICH ALBRECHT.