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I. D. DAVIS

2,420,869

NAIL AND TACK HOLDER AND FINGER GUARD

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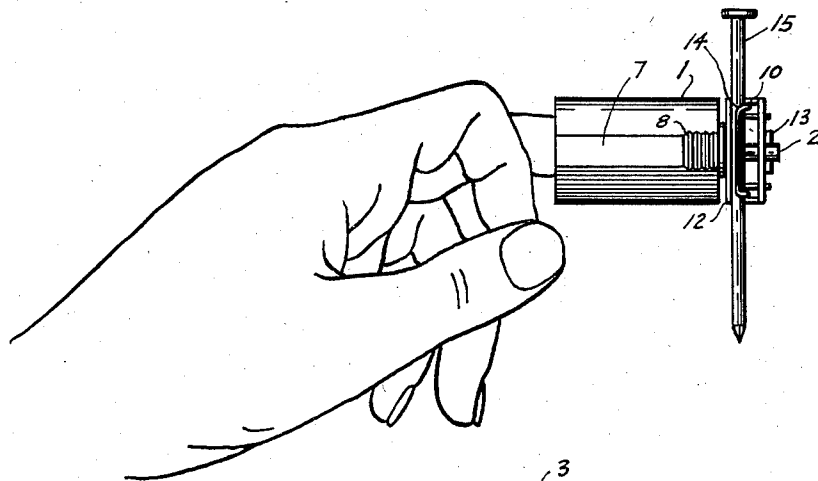


Fig. 1.

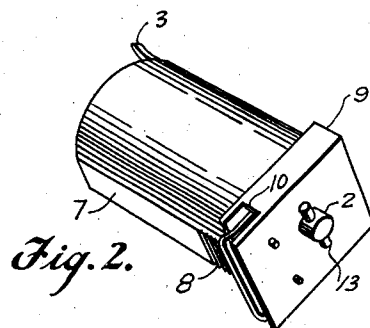


Fig. 2.

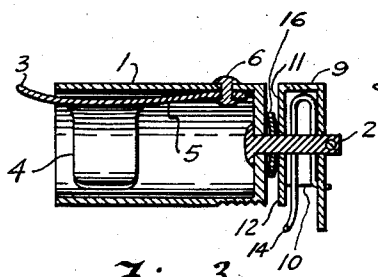


Fig. 3.

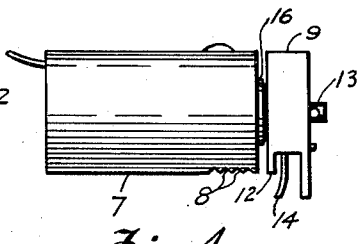


Fig. 4.

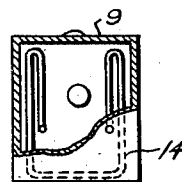


Fig. 5.

Ira D. Davis
INVENTOR.

UNITED STATES PATENT OFFICE

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NAIL AND TACK HOLDER AND FINGER
GUARD

Ira Dell Davis, Fort Worth, Tex.

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5 Claims. (Cl. 1—47)

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This invention relates to finger protectors and has reference to a combination finger protector and nail holder.

The principal object of the present invention is to provide a combination finger protector and nail holder wherein the nail holder is rotatably mounted with respect to the protector for conveniently positioning the nail preparatory to driving the same.

Another object of the invention is to provide, in a combination finger protector and nail holder, an arrangement and construction whereby a nail may be held in position preparatory to driving the same by extending a single and protected finger of the hand.

A further object of the invention is to provide, in addition to the foregoing, a combination finger protector and nail holder which may be adapted for use in driving nails, brads, tacks and the like.

In the drawings:

Figure 1 is a side elevational view of my combination finger protector and nail holder mounted on a finger of a hand.

Figure 2 is a perspective view of the combination finger protector and nail holder shown in Figure 1.

Figure 3 is a vertical sectional view of the holder shown in Figures 1 and 2.

Figure 4 is a plan view of the combination finger protector and nail holder shown in Figures 1, 2, and 3, and,

Figure 5 is an end elevational view of Figure 4, and is shown in broken section to illustrate the relative position of a nail holding spring therein.

The invention includes a thimble 1 adapted to fit on the finger of a hand. The closed end of the thimble 1 secures and supports an outwardly extending pin 2.

Within the thimble 1 there is a spring 3 having an arcuate portion 4 for engaging the referred to finger and a tongue portion 5 extending from the said arcuate portion. The tongue portion 5 is secured to the inner wall of the thimble 1 by a rivet 6 in the manner shown in Figure 3. The construction and arrangement of the spring 3 provides means whereby the thimble 1 may be secured to the finger referred to for comfortably supporting the said thimble. At the same time, the thimble 1 protects the finger against sharp blows, as by striking with a hammer, and the described spring arrangement and construction tends to absorb part of the shock which may be thus imparted.

One side of the thimble 1 is provided with a

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flat surface 7 and transverse notches 8 in the said surface near the closed end of the said thimble, the purpose of which will be referred to in the description of the operation.

Rotatably mounted on the pin 2 there is a rectangular and hollow shell or holder 9 having an opened side 10. The inner end surface 11 of the holder 9 is provided with an integral and laterally projecting tab 12, which tab is adjacent to the opened side 10. The holder 9 is retained on the shaft 2 by means of a cotter key 13.

Within the shell or holder 9 there is a U-shaped spring 14 secured at its ends with the outer end of the holder 9 and having its central curved portion adjacent to the inner surface of the projecting tab 12. The referred to curved portion of the spring 14 is bent towards and projects beyond the tab 12, as shown in Figures 3 and 4, to slidably receive and engage a nail 15 between the spring 14 and the tab 12.

Between the end of the thimble 1 and the shell holder 9 there is another spring in the form of a bent washer 16. The washer 16 is mounted on the shaft 2, and by reason of the described location prevents free rotation of the holder 9.

In operation, one or more nails 15 are held in the palm of the hand, and the thimble 1 is positioned on the second finger from the thumb. One of the nails 15 is then positioned between the thumb and the fore-finger and third-finger of the hand. While so held the second finger is drawn inwardly, causing the spring 14 and tab 12 of the holder 9 to engage the nail 15. The second finger is then extended, with remaining fingers and thumb withdrawn, and the point of the nail is placed in position for driving. It will be noted that in the foregoing description of operation it is not necessary to turn the hand to properly position the nail since this can be done by means of the thumb and fingers.

What I claim is:

1. A combination finger protector and nail holder, comprising a thimble with an outwardly extending pin, means for receiving and holding a fastener holder on said pin, said pin providing a bearing for the said holder to permit orientation of the holder preparatory to driving a nail held by said holder.

2. A combination finger protector and nail holder, comprising a thimble having a flat surface along one side and an outwardly extending pin at the end thereof, means for receiving and holding a fastener holder on said pin, said pin providing a bearing for said holder to permit

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orientation of the holder preparatory to driving a nail held by said holder.

3. A combination finger protector and nail holder, comprising a thimble with an outwardly extending pin, a holder rotatably mounted upon the said pin, and a spring supported by the said holder for engaging a nail between the said spring and the said holder preparatory to driving a nail held by the said holder.

4. A combination finger protector and nail holder, comprising a thimble with an outwardly extending pin, means for receiving and holding a fastener holder on said pin, a compression spring between the said fastener holder and the said thimble for preventing free rotation of the said holder, said pin providing a bearing for the said holder to permit orientation of the holder preparatory to driving a nail held by the said holder.

5. A combination finger protector and nail holder comprising a thimble with an outwardly extending pin, a holder rotatably mounted on

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the said pin, a spring supported by the said holder for engaging a nail between the said holder, and a compression spring between the said holder and the said thimble for preventing free rotation of the said holder, said pin providing a bearing for the said holder to permit orientation of the holder preparatory to driving a nail held by the said holder.

IRA DELL DAVIS.

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