Sept. 11, 1928. 1,684,269

G. J. HEBNER

FASTENING DEVICE FOR LADDERS

Filed March 19, 1927

Fig. 1

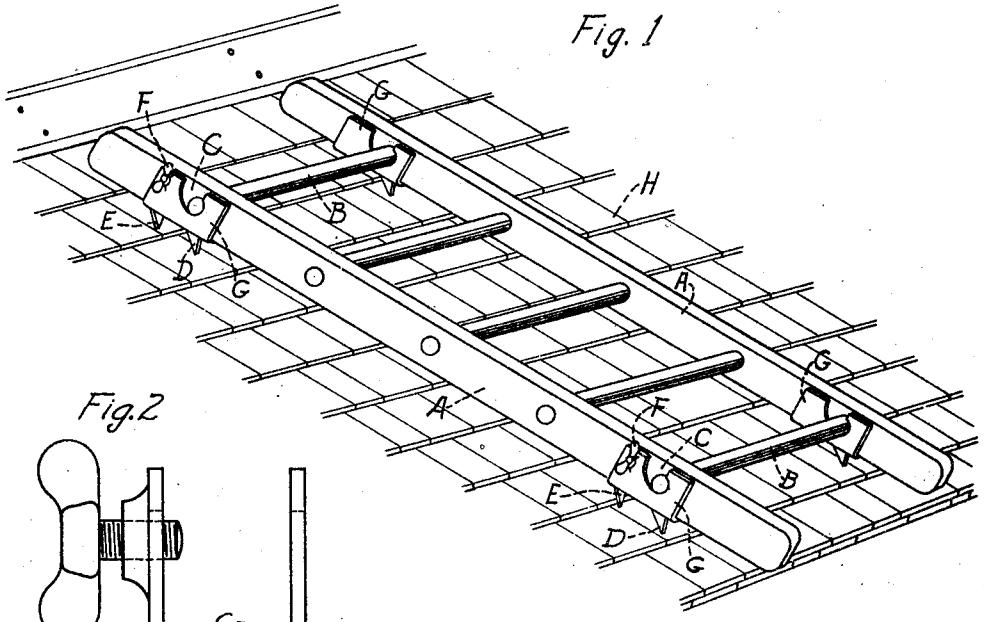
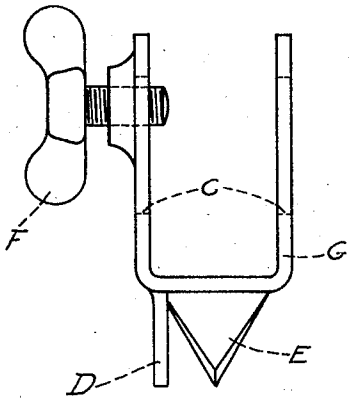


Fig. 2



WITNESSES:

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Patented Sept. 11, 1928. 1,684,269

UNITED STATES PATENT OFFICE.

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FASTENING DEVICE FOR LADDERS.

Application filed March 19, 1927. Serial No. 176,794.

This invention relates to attachments for ladders and more particularly to attachments or devices adapted to be secured to a ladder to prevent slippage thereof when used on the roofs of buildings. Heretofore it has been customary to provide the end of a ladder with a rigidly secured hook adapted to be hooked over the ridge of the roof to support the ladder against slippage in its inclined position. Such construction, however, is open to many objections, one of them being the fact that the sustaining weight is applied to one point and often breaks the shingles. Furthermore it is exceedingly awkward to handle, and it prevents the use of the ladder in other locations.

It is therefore one of the objects of the present invention to provide attachments or devices which may be easily and quickly applied to ordinary ladders whereby they may be used on roofs without danger of slippage.

A further object is to provide a device of the above general character which not only prevents longitudinal slippage of the ladder but also lateral movement.

A further object is to provide a device of the above character which may be easily and quickly applied to or removed from ladders as and when necessary.

Other objects will be in part obvious and in part hereinafter pointed out in connection with the accompanying sheet of drawings illustrating one of various possible embodiments of the invention and in the several views of which corresponding reference characters denote similar parts.

Fig. 1 is a perspective view of the ladder in operative position.

Fig. 2 is an enlarged detail view of the retaining means.

Referring now to the drawings in detail and more particularly Figure 1, A indicates a ladder of standard construction provided with the usual rounds B, the end rounds of which may be provided with extensions projecting beyond the side rails A if desired for engaging recesses C in the attachments hereinafter described. These attachments each comprise a U-shaped body member G adapted to embrace the side rail A and provided at its relatively outer side with a thumb screw F, by means of which the members G may be firmly clamped to the side rails. Two downwardly extending lugs D and E, one longitudinal and the other transverse with respect to the side rail, project from the under side of the body member G to engage the roof. When the parts are assembled, as shown in Figure 1, the ladder may be laid upon a sharply inclined roof H, and each of the projections bites into the roof and thus aid in supporting the entire weight of the ladder and the person working thereupon without serious danger of slipping or injuring the shingles of the roof. After use, the attachment may be easily and quickly removed from the ladder by simply loosening the various screws F. It will be understood that when used with ladders having projecting rounds at the top and bottom, as shown in Figure 1, the rounds co-act with the curved recesses or cut-out portions C in the sides of the body members in such a manner as to prevent any pivotal movement of the attachment about the thumbscrews.

It is to be seen that the present invention provides a simple and practical attachment for ladders particularly adapted to accomplish among others all of the objects and advantages herein set forth.

I claim:

In a device of the character described, in combination with a ladder having side rails and rounds, a substantially U-shaped body member having cut-out portions in its sides thereby to embrace a side rail of the ladder and a round thereof to prevent relative movement of the ladder and body member, and an auxiliary attaching means for preventing such relative movement comprising a thumb screw operative between said body member and rail, said body member having projections on its under side for engaging a roof.

In witness whereof I have signed my name.

GEORGE J. HEBNER.