Oct. 9, 1923. 1,470,489

J. J. SCHUH

LADDER CLAMP

Filed Sept. 6, 1921.

Fig. 1.

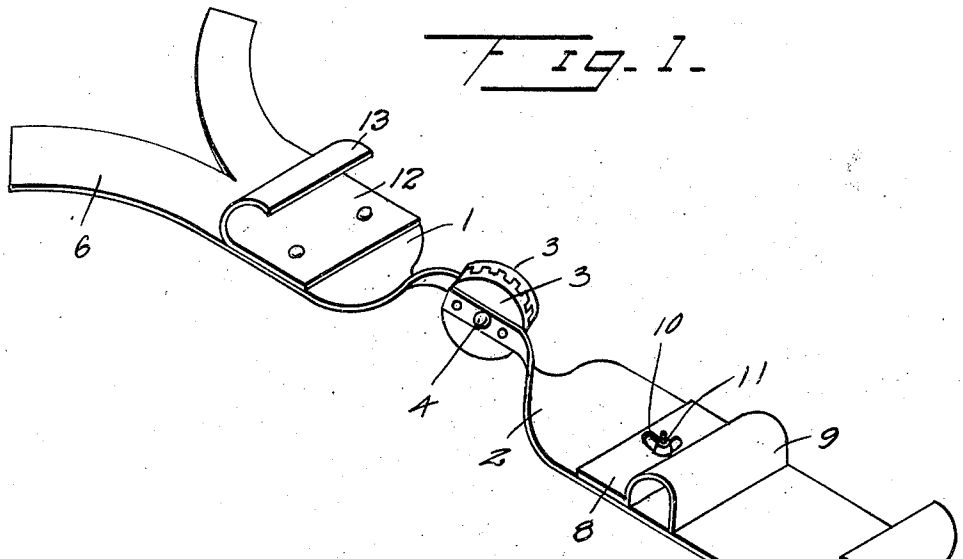


Fig. 2.

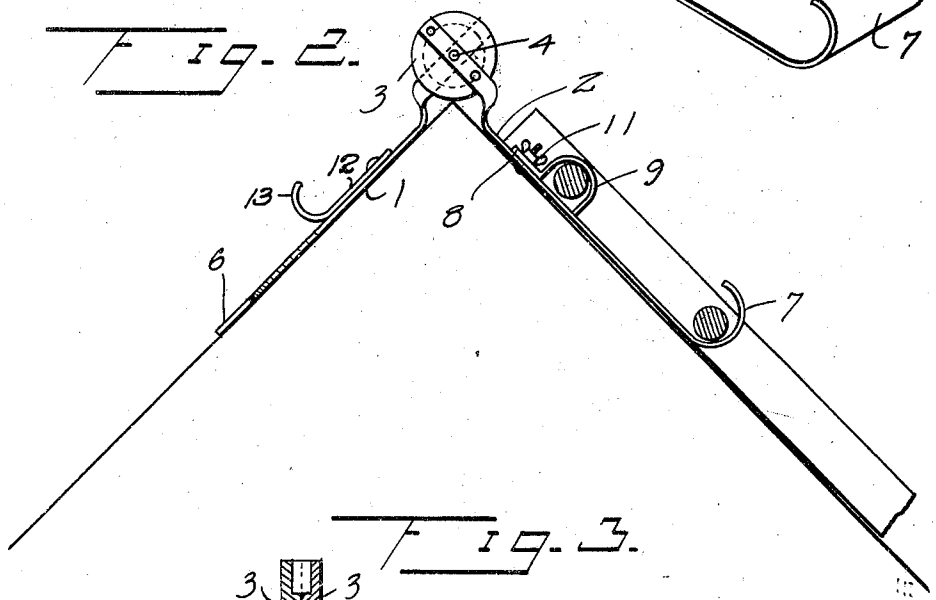
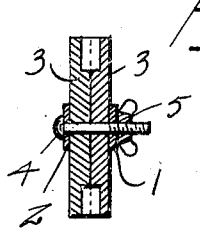


Fig. 3.



Inventor

J. J. Schuh

By A. Randolph & Co. Attorney

Patented Oct. 9, 1923. 1,470,489

UNITED STATES PATENT OFFICE.

JOHN J. SCHUH, OF ALTOONA, PENNSYLVANIA.

LADDER CLAMP.

Application filed September 6, 1921. Serial No. 498,613.

To all whom it may concern:

Be it known that I, JOHN J. SCHUH, a citizen of the United States, residing at Altoona, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in a Ladder Clamp; and I do hereby 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.

The invention relates to means for securing a ladder when working on a gable roof, the securing means being adjustable to conform to the double slope of the roof and embodying a clamp for securing the ladder by engaging the rungs thereof.

Other objects and advantages will be apparent and suggest themselves as the nature of the invention is understood.

While the drawing illustrates an embodiment of the invention it is to be understood that in adapting the same to meet different conditions and requirements, various changes in the form, proportion and minor details of construction may be resorted to without departing from the nature of the invention.

Referring to the accompanying drawing forming a part of the specification,

Figure 1 is a perspective view of the device.

Figure 2 is a side view thereof, and

Figure 3 is a detail view.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawing by like reference characters.

The device comprises complemental members 1 and 2 each being provided at one end with a toothed disk. The toothed disks are designated by the numeral 3 and may form a part of the respective members or be separate therefrom and securely fastened thereto in any substantial way. When the members 1 and 2 are assembled the toothed disks 3 overlap and are pivotally connected by means of a bolt 4 which passes through openings formed centrally therein. The parts are made secure in the required adjusted position by means of a thumb nut 5 mounted upon the bolt 4. The member 1 comprises a flared element 6 which enables an extended bearing to be obtained upon one portion of the roof. The member 2 terminates in a hook 7 which is adapted to engage the rungs of a ladder. A plate 8 is adjustable on the member 2 and is formed with a hook 9 to engage the rung of a ladder whereby to secure the same when in position. The plate 8 is formed with a slot 10 which receives the bolt or fastening 11 by means of which the plate 8 is secured in the required adjusted position.

In practice the device is adapted to be placed astride the ridge or crest of a gable roof, the members 1 and 2 engaging the oppositely sloping portions thereof. A ladder or like part is retained in position by being clamped to the member 2 through the instrumentality of the elements 7 and 9 which engage rungs of the ladder. If desired a ladder may be connected to each of the members 1 and 2 but ordinarily the ladder is clamped or otherwise secured to one of such parts only. When not required for immediate use the device may be folded with the flat or rear surfaces of the members 1 and 2 in contact with each other, to render the device more compact for moving or storing.

Riveted or otherwise secured to the member 1 is a flat plate 12 having one edge bent to form a hook 13. When in use a ladder may be placed on each side of the roof and one of the ladders may be secured to the member 1 by having a rung of the ladder engage the hook 13, and the other ladder may be secured to the member 2 by having a rung or rungs engaged in the hooks of this member, in the manner hereinbefore described.

Having thus described the invention, what I claim is:—

1. A ladder clamp comprising a pair of complemental members pivoted together and adjustable to vary the angle therebetween to conform to the double slope of a gable roof; said pivotal connection comprising overlapping disks provided with inter-engaging teeth, one of said disks being carried by each of said members, means passing through said disks and adapted to clamp the same in required adjusted position; and means carried by each of said members and adapted to secure a ladder thereto.

2. A ladder clamp comprising a pair of complemental members pivoted together and adjustable to vary the angle therebe-

tween to conform to the double slope of a gable roof, and each of said members carrying a hook for securing a ladder thereto.

3. A ladder clamp comprising a pair of complemental members pivoted together and adjustable to vary the angle therebetween to conform to the double slope of a gable roof, one of said members having its terminal upturned to form a hook, the other of said members having its terminal flared to provide a broad flat roof engaging surface, a hook carried by said second named member and spaced from its terminal, a second hook carried by the member first named, and adjustable longitudinally thereof, and said hooks adapted to support a ladder on each slope of a gable roof.

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

JOHN J. SCHUH.

Witnesses:
T. K. HAFFLY,
HOWARD WOGAN.