March 3, 1942. F. HAHLER 2,275,014

ADJUSTABLE ROOF SCAFFOLDING SUPPORT

Filed June 10, 1940

Fig. 1

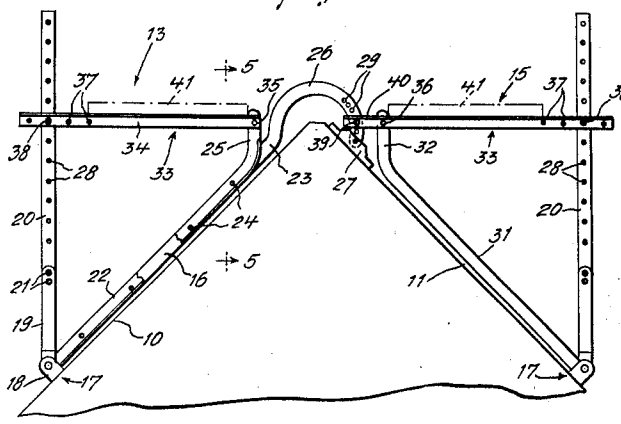


Fig. 2

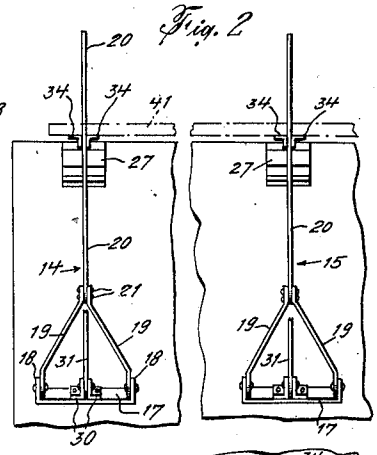


Fig. 3

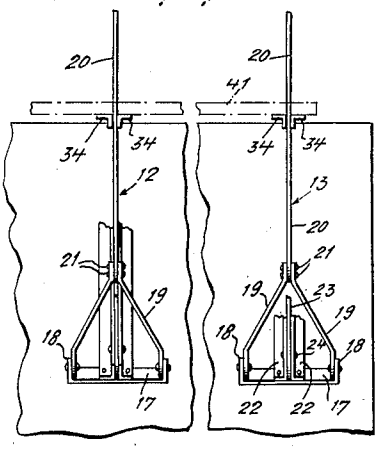


Fig. 4

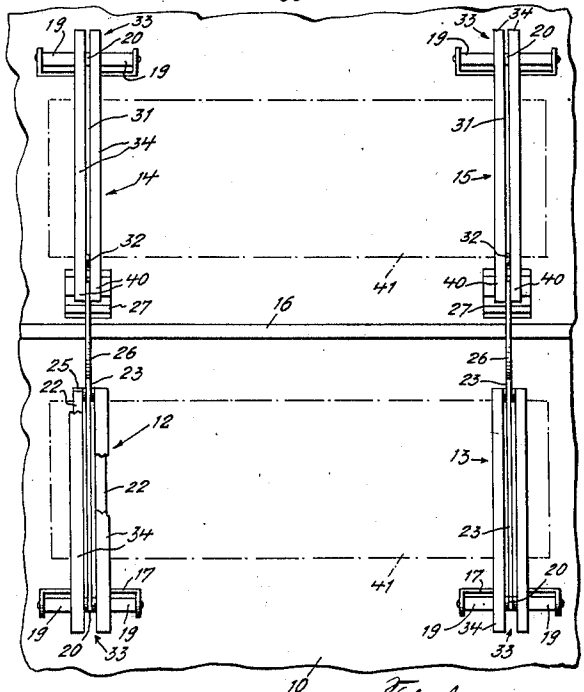
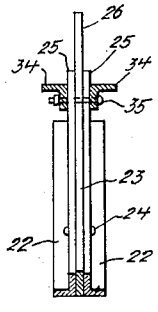


Fig. 5



INVENTOR.
FRANK HAHLER

BY F. Ledermann

ATTORNEY

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ADJUSTABLE ROOF SCAFFOLDING SUPPORT

Frank Hahler, Tiffin, Ohio

Application June 10, 1940, Serial No. 339,680

1 Claim. (Cl. 304—20)

This invention relates to scaffolding supports, and aims to provide an adjustable roof bracket adapted to support scaffolding planks thereon and to be mounted on pitched roofs for the purpose of building and repairing chimneys on the combs of such roofs. The device is very easily handled both in mounting and assembling it on a roof, and in dismantling it may readily be folded after removing a few bolts.

The above and other objects will become apparent in the description below, in which characters of reference refer to similarly numbered parts in the accompanying drawing, forming a part hereof and serving to illustrate the invention without limiting the same necessarily to the particular details of construction shown. Referring briefly to the drawing,

Figure 1 is an end view of the device, showing the same mounted on a pitched roof.

Figure 2 is a side elevational view taken from the right-hand side of Figure 1.

Figure 3 is a similar view taken from the left-hand side of Figure 1.

Figure 4 is a plan view of Figure 1.

Figure 5 is a cross-sectional view taken on the line 5—5 of Figure 1.

Referring in detail to the drawing, the numerals 10 and 11 indicate the two sides of a pitched roof. The device comprises essentially two identical members 12 and 13 resting on the roof side 10, and another pair of identical members 14 and 15 resting on the side 11. The members 12 and 13 have extensions which pass over the comb or peak line 16 of the roof to engage and cooperate with their respective members 14 and 15 on the other side of the roof, as will become hereinafter apparent.

Each member 12 and 13 comprises a base 17 having a pair of ears 18 extending upward from its ends, in which the diverging arms 19, secured rigidly to the end of an upright 20 by means of bolts or the like 21, are pivotally mounted. A pair of spaced angle irons or members 22 have their lower ends bolted fast to the base 17, and a rod, rectangular in cross-section, 23, has the upright webs of the members 22 clamped against its vertical sides and held rigid between the members 22 by bolts or the like 24. The upper ends 25 of the members 22 are turned upward to substantially vertical position, and the upper end of the rod 20 has a rounded hook 26 thereon which curves around the roof comb 16 and has a flat shoe 27 pivotally mounted in its extremity. The uprights 20 have a series of spaced holes 28 therethrough, and the hooks 26 have a series of spaced holes 29 therethrough, on the other side 11 of the roof.

Each member 14 and 15 comprises in part the identical structure as the members 12 and 13, i. e., the base 17, ears 18, yoke arms 19 and upright 20, as shown in Figure 2, the uprights 20 having the same holes 28 as in the case of the uprights 20 of the members 12 and 13. By means of two angles 30, a rod 31, similar in cross-section to the rod 23, is clamped therebetween and bolted rigidly to the base 17. The outward ends 32 of the rods 31 are also turned upward into substantially vertical position. Transverse members 33, each comprising a pair of spaced parallel angle irons or members 34, are pivotally attached at 35 in the upper end of each of the rods 25 of the members 12 and 13, and at 36 in the upper ends of each of the rods 31. These members 33 have toward their outer ends, away from their pivoted ends just mentioned, a series of holes 37 therethrough. By means of pins or bolts 38 passing through one set of aligned openings 37 and one of the openings 28 of the upright 20, the member 33 is maintained in horizontal, or nearly horizontal position. The uprights 20 all pass between the two irons 34 of each member 33, as shown. Each member 33 of the two members 14 and 15 has its inner end 40 extended and provided with an opening therethrough, and through these aligned openings and one of the holes 29 in the hook 26, a bolt 39 is passed to lock that end of the member 33 of the members 14 and 15 against the hook 26. Scaffold planks are laid upon the members 33, as shown, upon which the worker is supported and may walk.

The device, as is apparent, is adjustable for roofs of varying pitches. No matter what the pitch of a roof, the shoes 27 will always lie flat against one side of the roof; also, no matter what the pitch, the bases 17 will lie flat against the roof sides, and the members 22, 23 and the rods 31 will also always lie flat against the roof sides. The adjustability is desired in order that the planks 41 may always be mounted horizontal, or approximately so, and this is accomplished by passing the bolts 38 through whatever hole 28 of the upright 20 and holes 37 of the irons 34 will place the members 33 the closest to horizontal position. When not in use, the device is dismantled by removing the bolts 39 and 38, and then each of the four units 12, 13, 14, and 15 is folded into a relatively flat mass, by folding the uprights 20 inward about the yoke arm pivots 18, and dropping the members 33 about their pins 35 and 36. Thus, the device may be easily stored away for future use.

Obviously, modifications in form and structure may be made without departing from the spirit and scope of the invention.

I claim:

A scaffolding support adapted to be mounted on the two sides of a peaked roof, comprising two pairs of members, each member of one of said pairs being identical with the other member thereof, two of said mutually identical members being mounted on one side of the roof and the other two mutually identical members being mounted on the other side of the roof, each of said members comprising a base having a yoke pivotally mounted on the ends thereof, an upright rigid with and extending upward from said yoke, a rod secured to said base and extending angularly upward against the roof side, and a horizontal member pivotally mounted at one end in the upper end of said rod and adjustably secured at the other end in said upright, each member of one of said pairs having in addition a hook extending beyond the roof comb and engaging the said horizontal member of the opposed member on the other roof side, said hook having a shoe pivoted on the extremity thereof adapted to rest against said other side of the roof.

FRANK HAHLER.