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M. CAMPBELL

SCAFFOLD BRACKET

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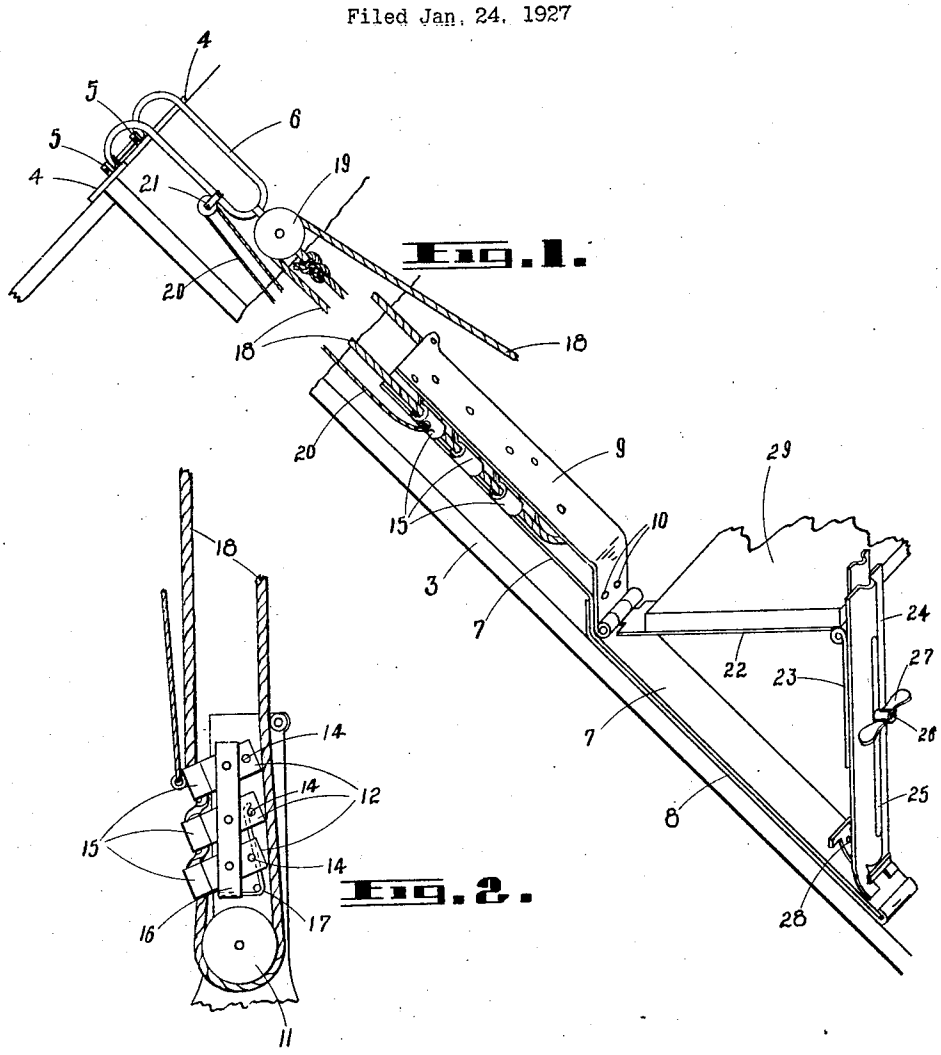


Fig. 1.

Fig. 2.

MALCOLM CAMPBELL.
INVENTOR.

BY Harold C. Shipman
ATTORNEY.

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MALCOLM CAMPBELL, OF MARYFIELD, SASKATCHEWAN, CANADA.

SCAFFOLD BRACKET.

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This invention relates to a scaffold bracket such as brackets used by carpenters, shinglers, painters and others, who have to work on slanted roofs.

The main object is to provide a simple means whereby the scaffolding may be raised or lowered on the side of the roof.

A further object is to provide a construction wherein the scaffolding may be positioned on a horizontal level, regardless of the pitch of the roof.

A further object is to provide a ridge hook to be used in combination with the scaffolding, which ridge hook is adapted to fit any particular pitch of roof and to distribute the stress over a considerable area of the ridge.

A further object is to provide an automatic holder means for the rope, which is used between the ridge hook and the scaffold bracket.

Other objects and advantages of my invention will become apparent by a perusal of the following specification read in conjunction with the annexed drawings, in which:

Fig. 1 is a perspective view of the preferred embodiment of my invention.

Fig. 2 is a top plan view of a portion of the scaffold bracket, part being broken away, to show the rope gripping mechanism in detail.

Like numerals of reference designate corresponding parts throughout the different views.

3 indicates a roof. The ridge hook used in connection with my scaffold provides a flat roof member 4 having outwardly bent lugs 5, to which is pivotally connected a U-shaped member 6, the connecting ends of which are curved so as to have the roof member 4 fit against one side of the roof, while the central portion of the U-shaped member 6 extends downwardly over the other side of the roof.

The scaffold bracket comprises a base portion 7, which is bent angularly at approximately its longitudinal centre. The lower portion of this base member may be provided with a padding 8 on its under side, while the upper portion is provided with a cover plate 9. The lower end of the plate 9 is bent angularly to conform with the angularly bent portion of the base member 7 and is secured thereto by suitable bolts 10, which bolts may also retain the padding 8 to the base member 7. The base member 7 and the cover plate 9 are held in spaced apart relationship by means of rivets suitably disposed, which rivets will also hold the auxiliary parts positioned therebetween. 11 indicates a pulley positioned near the lower end of the space between the base member 7 and the cover plate 9. 12 indicates pivotally mounted retaining members, which are pivotally held between the base member 7 and the cover plate 9 by pins 14. The outer free end 15 of each one of these retaining members 12 is provided with an annular transverse opening, the purpose of which will be hereinafter mentioned. 16 is a U-shaped bracket fitted over the retaining members 12 intermediate the pins 14 and the ends 15. This bracket is pivotally connected to each one of the retaining members 12 and has a tension spring 17 normally forcing the U-shaped member downwardly towards the pulley 11. 18 is a rope or cable, one end of which is attached to the centre ring of the pulley 19, which pulley is supported from the U-shaped member 6. The rope 18 extends downwardly around the pulley 11 and is threaded upwardly through the transverse openings in the ends 15 of the retaining members 12. The rope 18 extends upwardly through the pulley 19 and back down, so that it may be conveniently operated by a person on the plank hereinafter referred to. 20 indicates a rope suitably attached to one of the ends 15 and extends upwardly through a pulley 21 attached to the side of the U-shaped member 6. The free end of the rope 20 is adapted to hang down over the roof, so that it may be operated by any person on the plank hereinbefore mentioned, when they are desirous of pulling the ends 15 upwardly, so that their transverse openings will be in alignment and thus free the rope 18 to be pulled up or down to adjust the position of the scaffold as may be desired.

The lower end of the cover plate 9 forms a hinge with the inner end of a scaffold supporting member 22. The upper end of this latter member is hingedly connected to an adjustment member 23 co-operating with the adjustment member 24. The adjustment member 24 is provided with a longitudinal slot 25, while the adjustment member 23 carries a bolt 26 extending through the said slot 25 on which the nut 27 engages to retain the adjustment mem-

bers 23 and 24 in their desired position relative to each other. 28 is a brace secured on the upper side of the base member 7 near its lower end. This member has its ends turned up, which ends are provided with oppositely directed lugs. The lower end of the adjustment member 24 is slotted to engage with either of the ends of the brace 28. A suitable plank 29 or frame may be supported on the supporting member 22, it being appreciated that several of these scaffold brackets will be used at spaced intervals across the roof.

The foregoing specification and annexed drawings disclose the preferred embodiment of my invention, but it is to be understood that minor changes may be resorted to in the commercial adaptation of my invention without departing from the scope of the invention as hereinbefore claimed.

What I claim as new is:

A scaffold bracket and a ridge hook support comprising a base member, a portion of which is offset relative to the remaining portion; a cover plate retained in spaced relation to said offset portion; a pulley pivotally mounted between said plate and said offset portion; retaining members pivotally mounted between said plate and said offset portion; means whereby said retaining members may be tensioned at an angular disposed position relative to said cover and said offset portion; a roof bracket; a rope connected by a pulley to said bracket; said rope extending around first said pulley and being threaded through openings formed in the free ends of said retaining members; a means for moving said retaining members, so that the openings in the free ends thereof will be positioned in alignment; the remaining portion of said base member being provided with a hingedly connected supporting member; the outer end of which is supported on adjustable members bearing against the lower end of said last mentioned portion.

In testimony whereof, I affix my signature.

MALCOLM CAMPBELL.