No. 884,813. PATENTED APR. 14, 1908.

F. E. GORDNIER.

SCAFFOLD APPARATUS.

APPLICATION FILED DEC. 10, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

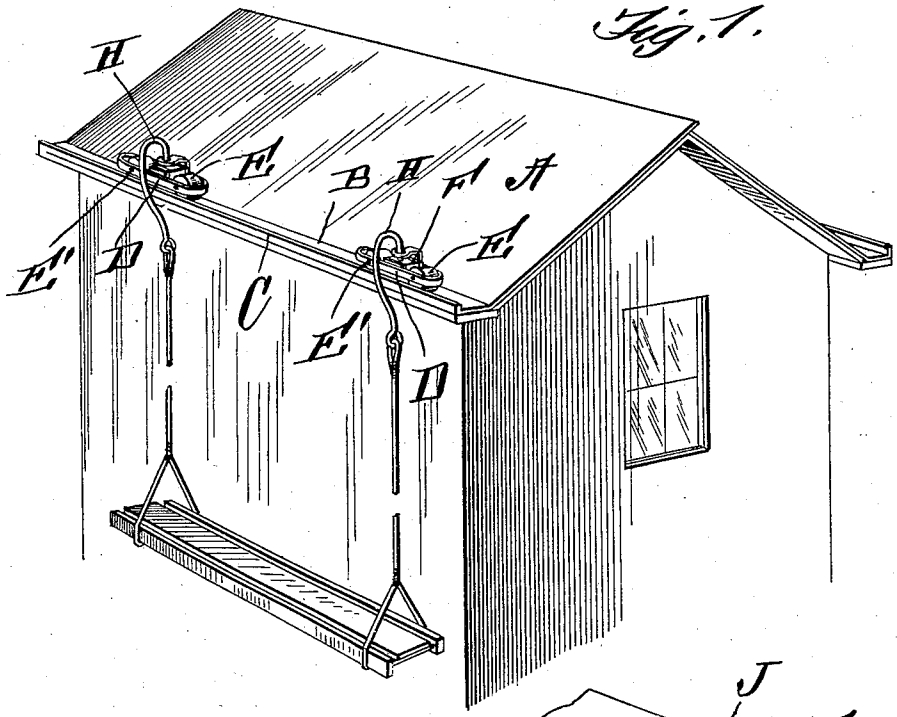
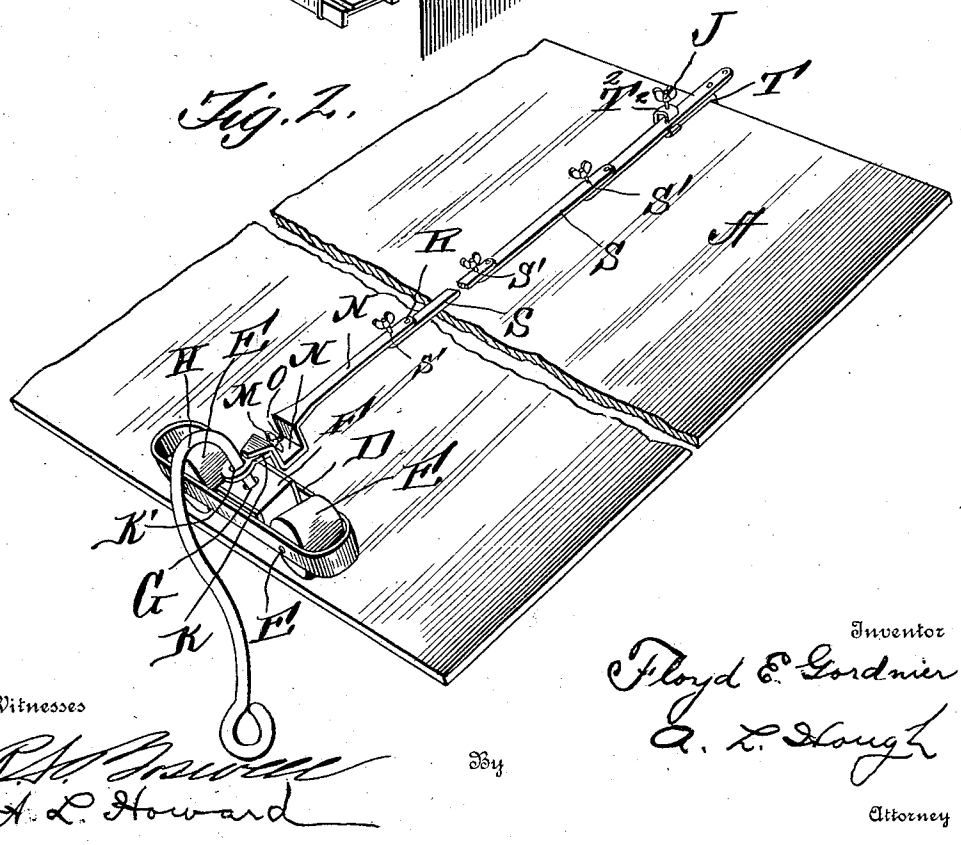


Fig. 2.



Witnesses

R. H. Brownell

A. L. Howard

Inventor

Floyd E. Gordnier

By A. L. Hough

Attorney

THE NORRIS PETERS CO., WASHINGTON, D. C.

No. 884,813. PATENTED APR. 14, 1908.

F. E. GORDNIER.

SCAFFOLD APPARATUS.

APPLICATION FILED DEC. 10, 1907.

2 SHEETS—SHEET 2.

Fig. 3.

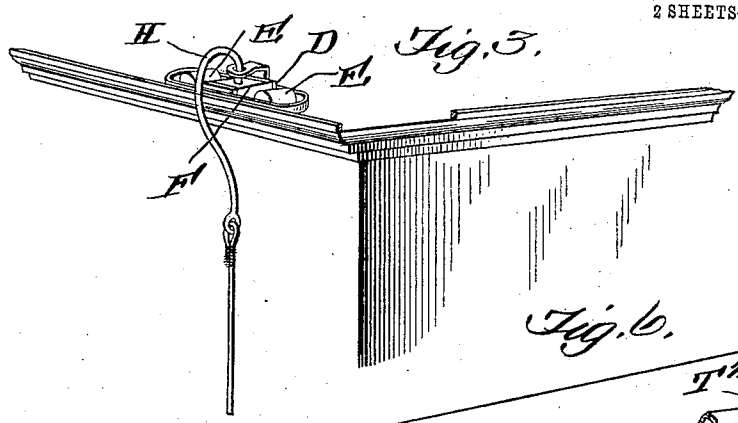


Fig. 6.

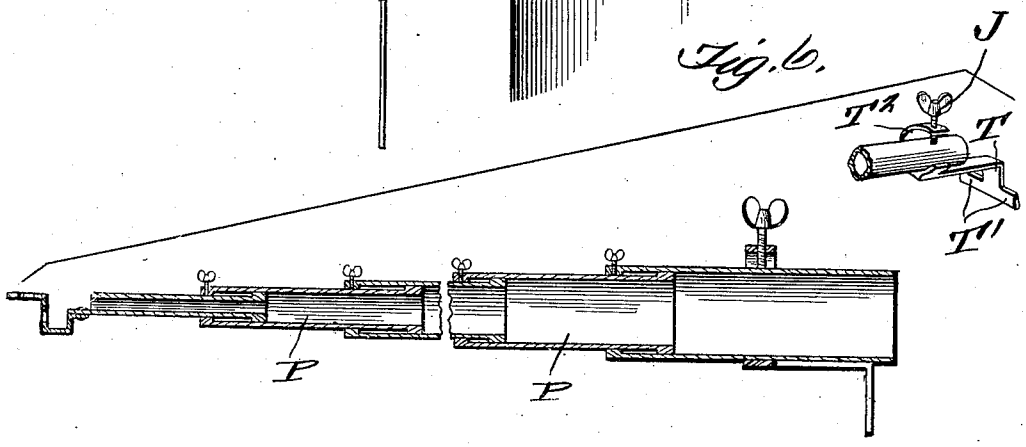


Fig. 4.

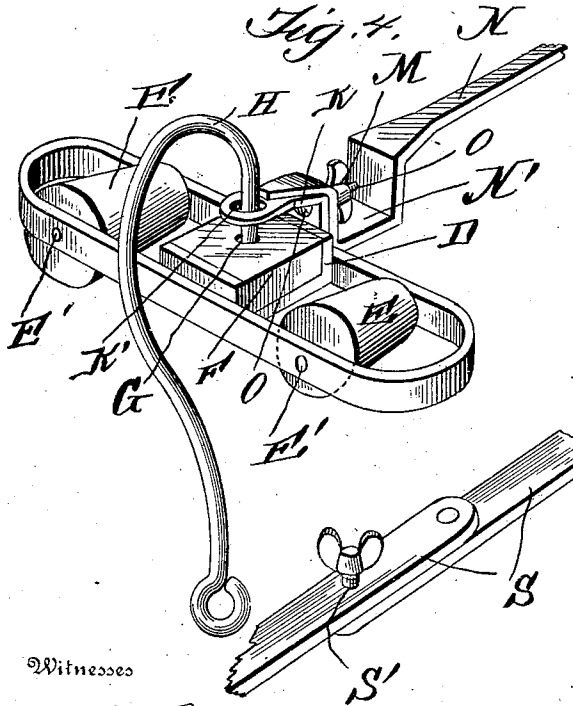
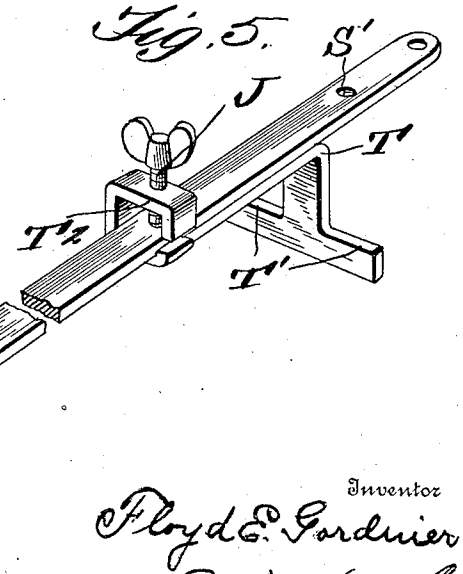


Fig. 5.



Witnesses

R. H. Bowers.

A. L. Howard.

Inventor

Floyd E. Gordnier

By A. L. Hough

Attorney

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FLOYD E. GORDNIER, OF OAKDALE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO LOUIS FEICK, OF NOBLESTOWN, PENNSYLVANIA.

SCAFFOLD APPARATUS.

No. 884,813. Specification of Letters Patent. Patented April 14, 1908.

Application filed December 10, 1907. Serial No. 405,929.

To all whom it may concern:

Be it known that I, FLOYD E. GORDNIER, a citizen of the United States, residing at Oakdale, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Scaffold Apparatus; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in scaffold apparatus and comprises a simple and efficient means whereby a scaffold may be suspended from the gutter of a roof and conveniently moved from one part of the gutter to another.

The invention consists further in an apparatus of this nature comprising essentially a carriage having rollers and adapted to rest in the gutter of a roof and having means engaged by a scaffold hook and in the provision of adjustable connection with the carriage for engagement with the ridge of a roof to prevent the carriage from being pulled over the edge of the gutter by the weight of the scaffold.

The invention comprises various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a perspective view of the scaffold carrier applied to a roof, showing the adjustable hangers removed. Fig. 2 is a perspective view of the scaffold carrier applied to an inclined roof and showing the adjustable hangers in place. Fig. 3 is a detail perspective view showing a part of a roof illustrating the stage carrier as applied thereto. Fig. 4 is an enlarged detail view of the scaffold carrier and a portion of one of the hangers. Fig. 5 is a detail perspective of the upper portion of one of the sections of the hanger, and Fig. 6 is a view of a modified form of the hanger showing the sections telescoping one with another.

Reference now being had to the details of the drawings by letter, A designates an inclined roof and B a gutter and C the ridge.

D designates a carriage having rollers of conical shape designated by letter E journaled therein, preferably upon the spindles E′. Said carriage may be of any suitable shape and size and is made preferably of oval shape and of metal. Intermediate the rollers is a U-shaped plate, the opposite flanged edges of which are securely fastened to the bar forming the frame of the carriage, and F is a block which rests upon and is fixed to said plate and is provided with an indenture G for the reception of one end of the scaffold supporting hook H. K designates an angle bar which is either fastened to or integral with the frame of the carriage and has an aperture K′ in its portion which overhangs said block, said aperture being in registration with the indenture in the block and adapted to receive the end of the scaffold supporting hook. N designates a bar having a U-shaped offset N′ near one end and O is a screw passing through an aperture in said angle bar and also through an aperture in the bar N adjacent to its offset portion, and M is a nut mounted upon the threaded end of said screw and adapted to hold the carriage to said bar N, in the manner shown in the drawings. Said bar N is connected by means of a pivotal pin R with a bar S, there being a plurality of bars similarly pivoted together and adapted to form a continuous connection between the gutter and the ridge of a roof. Each of the bars S has an aperture S′ which, when the several bars S are brought parallel to each other, are adapted to receive screws which hold the same in such positions, whereby a rigid connection may be had between the carriage and the inclined bar S.

T designates an angle bar having laterally projecting lugs T′ thereon and is adapted to catch over the ridge of the roof and one end of said bar T has an integral clamping jaw T^2 adapted to receive the shank portion of one of the bars N or S, and J designates a clamping screw carried by said jaw and adapted to be turned frictionally against the bar to which the clamp is to be held.

In the modified form of the connections to the carriage, I have shown the parts designated by P as telescoping one within another, making a convenient means for extending the telescoping sections to adapt the apparatus for different sized roofs and, if preferred, the bars which are adapted to connect the carriage with the ridge may have

elongated slots with pins running therethrough and so arranged that the parts will slide together to a compact form when not in use.

When the apparatus is adjusted for use with the carriage resting in the gutter and the clamping member upon one of the bars caught over the ridge of the roof, the carriage may be conveniently moved along the gutter by the operator from the ridge of the building by simply taking hold of the bar connections between the clamping member and the carriage without approaching the gutter. In the event of the apparatus being employed upon roofs where it is not necessary to connect the carriage with the ridge, the scaffolding may be moved back and forth from the ground or other location by simply pulling upon the carriage.

It will be noted that, by the provision of an apparatus as shown and described, a simple and efficient apparatus is afforded for conveniently and quickly adjusting a scaffold suspending from the gutter of a roof without the necessity of stopping the work incident to time required for adjusting the apparatus as is now necessary with apparatus of this nature.

What I claim to be new is:—

1. A scaffold apparatus comprising a carriage having rollers thereon, a U-shaped plate upon said carriage, a block with an indenture mounted upon said plate, an angled arm upon said carriage provided with an aperture in registration with said indenture, a bar having a U-shaped offset near one end, a screw passing through the ways of the offset portion of said bar and said arm, a nut upon said screw, and means for connecting said bar with the ridge of a roof, as set forth.

2. A scaffold apparatus comprising a carriage having rollers thereon, a U-shaped plate upon said carriage, a block with an indenture mounted upon said plate, an angled arm upon said carriage provided with an aperture in registration with said indenture, a bar having a U-shaped offset near one end, a screw passing through the ways of the offset portion of said bar and said arm, a nut upon said screw, an angled member having lateral projections at its ends and adapted to engage over the ridge of a roof, one end of said member having a jaw for the reception of the bars, and a tightening screw carried by said jaw, as set forth.

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

FLOYD E. GORDNIER.

Witnesses:
ROBERT A. BOSWELL,
A. L. HOUGH.