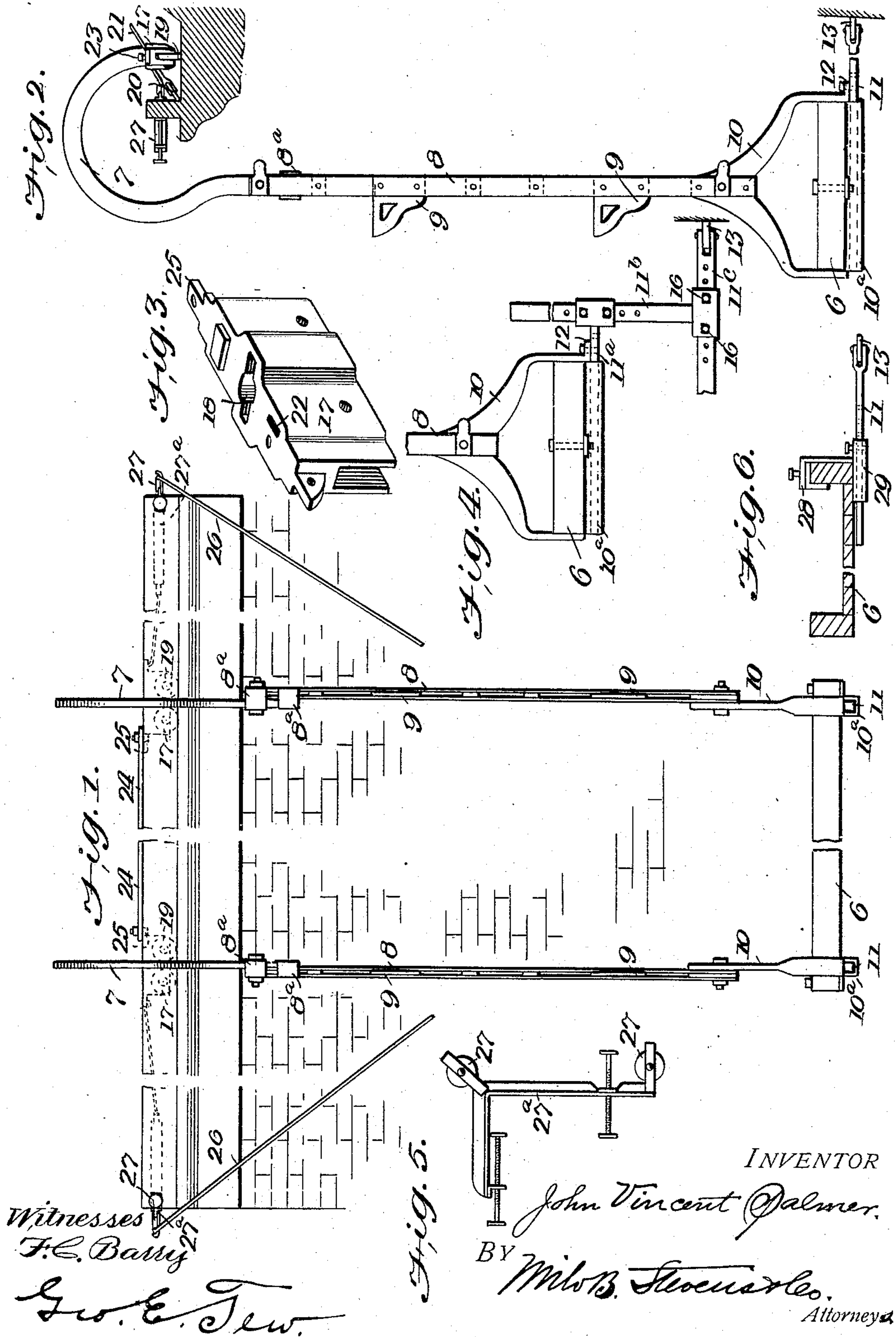


No. 842,331.

PATENTED JAN. 29, 1907.

J. V. PALMER.  
SCAFFOLD.

APPLICATION FILED OCT. 13, 1906.





# UNITED STATES PATENT OFFICE.

JOHN VINCENT PALMER, OF PITTSBURG, PENNSYLVANIA.

## SCAFFOLD.

No. 842,331.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed October 13, 1906. Serial No. 338,784.

*To all whom it may concern:*

Be it known that I, JOHN V. PALMER, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Scaffolds, of which the following is a specification.

This invention is a movable and adjustable scaffold-bracket designed particularly for the use of painters, cornice-workers, and the like and so arranged that it can be moved from one end of the gutter to the other, the hooks which hold the scaffold being mounted on roller-carriages which travel in the gutter. Ropes are attached to the carriage and extend over pulleys at the ends of the gutter and are brought to the scaffold-plank, so that the scaffold can be moved along by the workman without leaving the same.

The device also includes extension-bars for holding the scaffold out from the wall in various positions.

In the accompanying drawings, Figure 1 is a front elevation showing the upper part of the front of a building with the scaffold thereon and the pulleys and ropes in position. Fig. 2 is a side elevation of one of the scaffold-brackets. Fig. 3 is a perspective view, enlarged, of one of the carriage-frames. Fig. 4 is a view of extension-bars for use around windows and the like to space the scaffold from the wall. Fig. 5 is a plan of one of the pulley-brackets which is clamped to the gutter of the roof. Fig. 6 is a sectional view showing one of the spacing devices.

The scaffold-plank 6 is supported by a pair of hanging brackets, each of which consists of a hook 7, a bar 8, bolted thereto and having steps 9, and a triangular loop or hanger 10, which latter receives the ends of the plank. The bar 8 is preferably made of two strips of steel riveted together and spaced by washers, and these bars and the hooks 7 have flanges 8<sup>a</sup>, which lap each other at their ends and make a stiff connection. The lower bar 10<sup>a</sup> of the loop is channeled or U-shaped to receive the end of the adjustable spacing-bar 11, which is bolted to a lip 12, projecting from said lower bar of the loop, and has at its outer end a roller 13, which bears against the wall of the building. The spacing-bar has a series of bolt-holes and can consequently be adjusted in or out.

Instead of the spacing-bar 11 the exten-

sion-bars shown in Fig. 4 may be used to bring the rollers below a line of windows, for example. These comprise a bar 11<sup>a</sup>, which will fit the channel 10<sup>a</sup> and the outer end of which has a sleeve to receive the bar 11<sup>b</sup>, and a straight bar 11<sup>c</sup>, having a roller at the end held in a sleeve at the end of the bar 11<sup>b</sup>, and these bars are fastened together at any desired position and distance by means of bolts 16, which may be fitted in the series of holes in the bars and sleeves.

The hooks 7 are carried by roller-carriages 17, each of which consists of a block having a socket 18 in the top to receive the point of the hook, and wheels 19, on which the block can roll along the gutter. A safety-wheel 20 is carried by an arm 21 in proper position to bear against the rib of the gutter or cornice. The arm extends through a slot 22 in the block and is adjustable to vary the distance of the wheel from the block, being fixed at adjustment by set-screw 23. The blocks are connected by a rod 24, bolted at the ends to angle-irons 25, connected to the blocks.

Connected to the blocks are ropes 26, which pass thence over pulleys 27, which are carried in brackets 27<sup>a</sup>, clamped at the ends of the gutter, and are brought down to the scaffold-plank. By pulling on the ropes the carriage and scaffold can be moved along to any desired position.

In Fig. 6 a spacing device is shown comprising an angle-clamp 28, secured to the scaffold-plank and having a channel-piece 29 thereunder to receive a spacing-rod 11, which can thus be adjusted or placed at any position desired along the scaffold-plank instead of at the ends.

I claim—

1. A scaffold comprising a pair of carriages connected together and adapted to run along the edge of a roof, a pair of hooks the inner ends of which are supported upon the carriages respectively, and a platform suspended from the outer ends of the hooks.

2. A scaffold comprising a pair of carriages connected together by a bar and adapted to run along the edge of a roof, a pair of hooks the inner ends of which are supported upon the carriages respectively, and a platform suspended from the outer ends of the hooks, and ropes connected to the carriages and extending in opposite directions therefrom and around to the platform, for manipulation by a person thereon.

3. The combination with scaffold-hooks,



of carriages having sockets to receive the points of the hooks, said carriages being adapted to travel upon a roof.

4. The combination with scaffold-hooks, 5 of carriages having sockets to receive the points of the hooks, and safety-rollers mounted upon the carriages and extending laterally in position to bear against a rib on a roof.

5. In a scaffold, in combination, carriages 10 adapted to travel upon the roof, hooks extending over the edge of the roof and resting at their inner ends on the carriages, a platform hung from the hooks, and extensible spacing-bars connected to the scaffold and 15 having rollers at their outer ends arranged to run along the wall.

6. In a scaffold, in combination, a pair of carriages connected together by a bar, and having sockets in their tops, hooks the points of which enter the sockets, a platform suspended from the hooks, pulley-brackets adapted to be clamped to the roof, and ropes extending oppositely from the carriages and around said pulleys and to the platform.

In testimony whereof I have signed my 25 name to this specification in the presence of two subscribing witnesses.

JOHN VINCENT PALMER.

Witnesses:

E. H. PALMER,  
L. F. DAUME.