

Nov. 13, 1923.

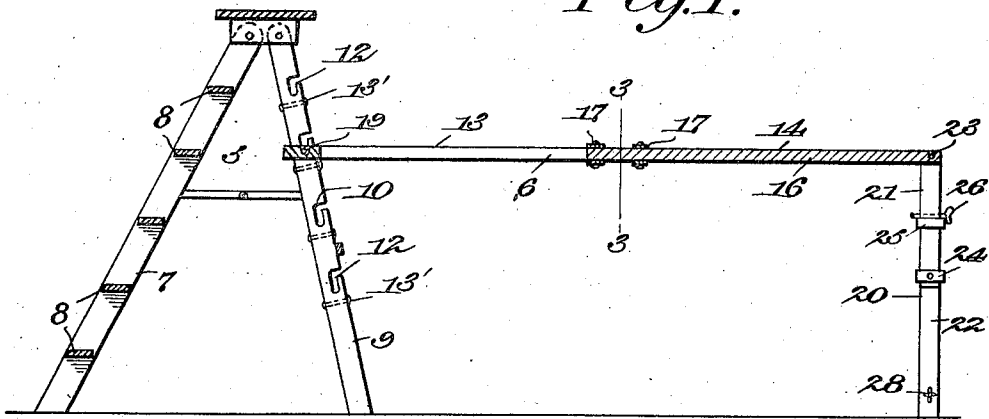
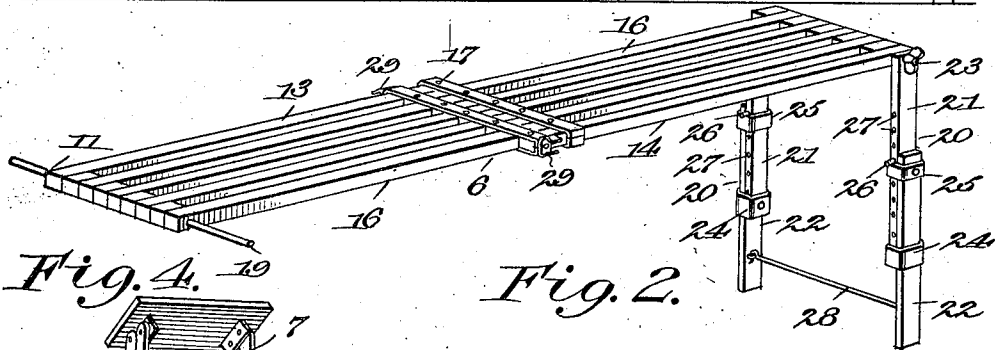
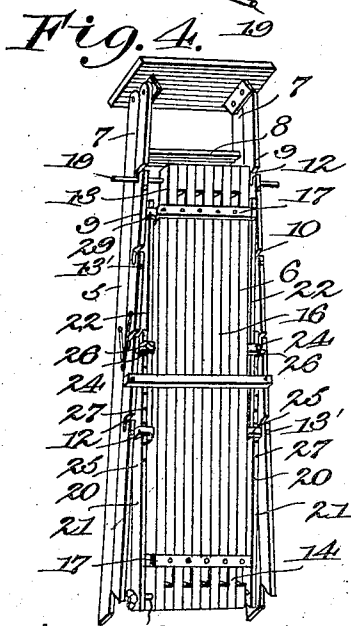
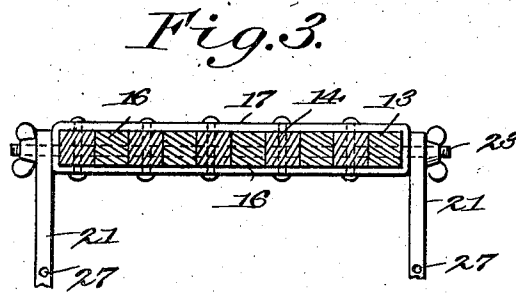
F. FOLLIARD

1,474,250

COMBINED STEPLADDER AND SCAFFOLD

Filed July 17, 1922

Fig. 1.



Frank Folliard.
INVENTOR
BY Victor J. Evans
ATTORNEY

WITNESS Fred W. Ely

Patented Nov. 13, 1923.

1,474,250

UNITED STATES PATENT OFFICE.

FRANK FOLLIARD, OF BROOKLYN, NEW YORK.

COMBINED STEPLADDER AND SCAFFOLD.

Application filed July 17, 1922. Serial No. 575,549.

To all whom it may concern:

Be it known that I, FRANK FOLLIARD, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Combined Stepladders and Scaffolds, of which the following is a specification.

This invention relates to a combined step ladder and scaffold.

The primary object of this invention is the provision of a structure of the class mentioned, the same being so constructed as to be easily folded into a compact unit, thereby taking up very little space when not in use.

Another object of the invention is the provision of a combined step ladder and scaffold, said scaffold being capable of adjustment to different heights which correspond to the height of the steps of the ladder.

Another object of the invention is to provide a combined step ladder and scaffold whereby access to the scaffold may be had by means of the step ladder.

A further object of the invention is the provision of a step ladder in combination with a scaffold, said scaffold being extensible to various lengths.

Another object of the invention is the provision of a step ladder in combination with a scaffold, whereby the step ladder may be used independently of the scaffold if so desired.

With these and other objects in view, the invention resides in the detailed construction, combination and arrangement of parts, the essential features of which are hereinafter described, are particularly pointed out in the claims, and are illustrated in the accompanying drawings, in which:—

Figure 1, is a vertical sectional view of my invention, set up for use.

Figure 2, is a perspective view of the scaffold.

Figure 3, is a sectional view on the line 3—3 of Figure 1, and

Figure 4, is a perspective view of my invention collapsed.

Referring more particularly to the drawings, the reference numeral 5 designates a folding step ladder to which a scaffold or platform 6, is attached. The step ladder 5, is of the usual construction and comprises legs 7, steps 8 and a prop 9. The prop 9 in-

cludes means 10 for co-action with a means 11 on the scaffold for adjustably supporting the same at one end thereof. The means 10 in the present instance is shown as comprising a plurality of bayonet slots 12, formed in the outer edge of the prop 9, and spaced so that the platform will lie in a horizontal plane with the steps 8 when the same is set up for use. Bolts 13 are passed through the side members of the prop 9, at a point below each bayonet slot 12, in order to strengthen the same.

The scaffold 6, is extensible and comprises members 13 and 14. Each of the members 13 and 14 are comprised of a plurality of spaced slats 16, which are held in spaced relation by means of cleats 17, secured at one end of each of the sections 13 and 14. The slats of one section are adapted to telescope within the spaces provided by the spaced slats of the adjacent section. The cleats 17, also act to limit the outward movement of the two sections, thereby preventing the sections from becoming separated. The means 11 for attaching the scaffold to the step ladder is shown as consisting of a rod 19 passed transversely through one end of the section 13. The ends of the rod 19 protrude so as to form trunnions which are adapted to be received in any of the bayonet slots 12 on the prop 9. The section 14 is further provided with vertically adjustable legs 20, each leg comprising two parts 21 and 22. The parts 21 are pivoted to the section 14, as at 23, and have secured at their lower extremities sleeves 24. Sleeves 25, similar to the sleeves 24 are also attached to the part 22, said sleeves acting as guides for the section 22, said section being capable of adjustment with relation to the section 21. Means in the nature of pins 26 are provided for maintaining the legs in their adjusted positions, said pins 26 being adapted to be inserted into transverse apertures 27, in the stationary parts 21 of the legs. The pin 26 co-acts with the sleeve 25 for holding the scaffold in various positions of adjustment. The sections 22 of the legs are braced as at 28 and a spring catch 29 is carried by the cleat 17 of the section 14 and is capable of receiving the legs when the same are in a collapsed condition.

It will be seen by reference to Figure 4, that the scaffold may be collapsed and associated with the step ladder in such a way

as to allow the whole structure to be transported from place to place with little difficulty.

From the foregoing, it will be seen that there has been shown and described, a preferred form of my invention, but I wish it to be understood that such changes, alterations and modifications as come within the claims may be resorted to when so desired.

What is claimed as new is:—

1. The combination with a step ladder including a prop having spaced side members respectively provided with bayonet slots, of a longitudinally extensible platform including a plurality of companion sections, means for vertically supporting the platform from one end of one section, the other section of the platform including a plurality of spaced bars, and a cross rod connecting the bars of said other section together and having extensions interchangeably engageable in the said bayonet slots, to hold the end of the platform at the prop in the same general plane with the remote or opposite end of said platform, the platform consisting of telescopic parts adapted to be nested between the side members of the

prop, the said cross-rod further co-operating with certain of said bayonet slots when the platform is nested as aforesaid, whereby to hold the platform against relative separation.

2. In a structure of the class described, the combination with a step ladder having a prop provided with side members provided with bayonet slots, of a platform, means for supporting the platform at one end in respectively different positions of vertical adjustment, and means extending from the opposite end of the platform and co-acting with the first said means and the bayonet slots to hold the end of the platform at the prop in the same general plane with the remote or opposite end of said platform, the said platform consisting of telescopic parts adapted to be nested between the side members of the prop, the second said means further co-operating with certain of said bayonet slots when the platform is nested as aforesaid, whereby to hold the platform against relative separation from the prop.

In testimony whereof I have affixed my signature.

FRANK FOLLIARD.