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PORTABLE SCAFFOLD

Filed March 25, 1925

Fig. 1.

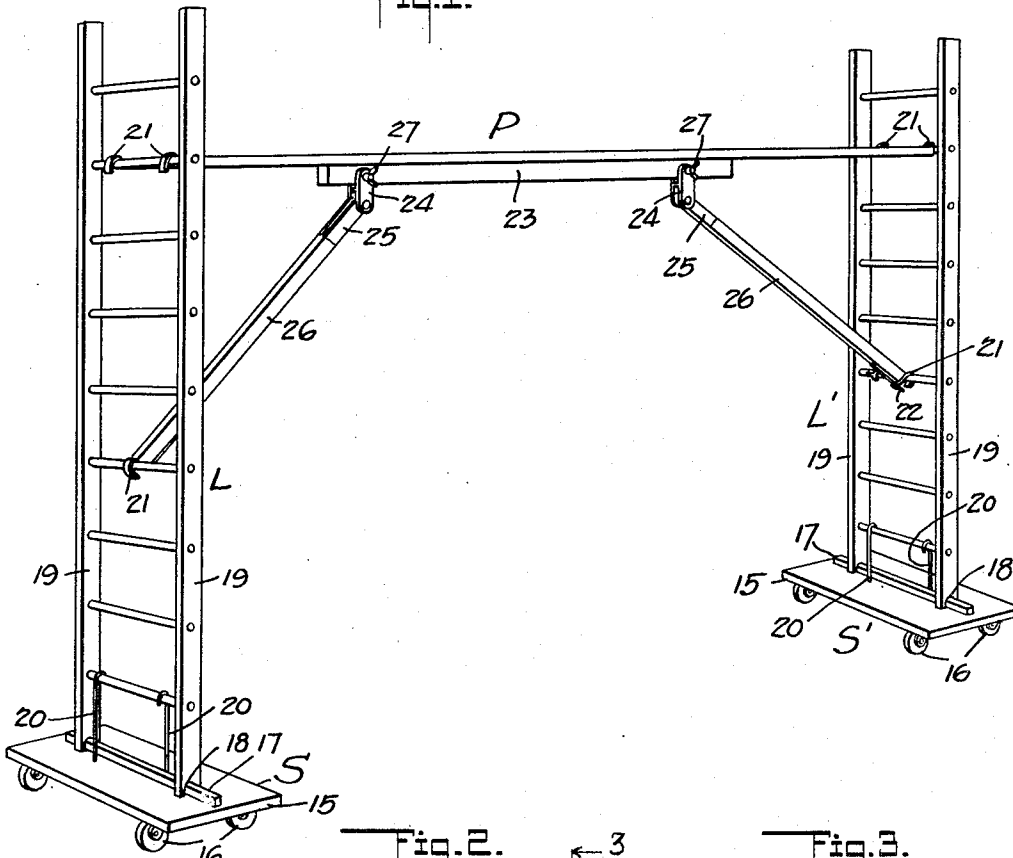


Fig. 2.

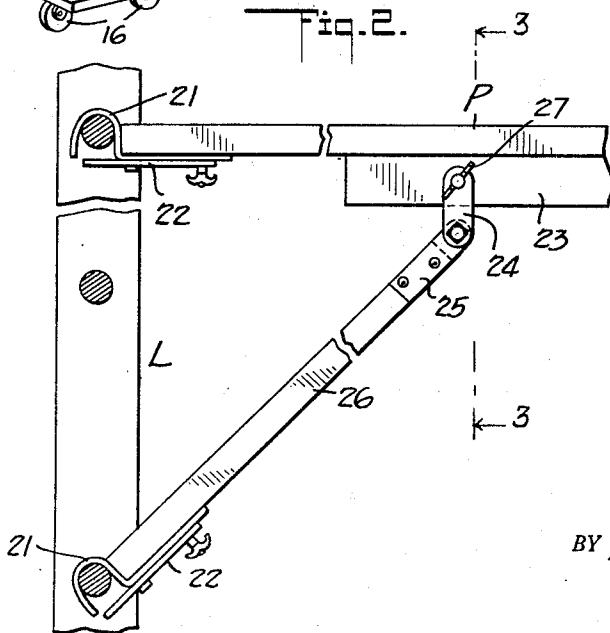
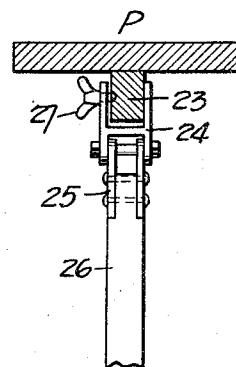


Fig. 3.



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PORTABLE SCAFFOLD.

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My invention relates to portable scaffolds, and the purpose of my invention is the provision of a portable scaffold capable of being readily assembled and disassembled and movable from place to place without the necessity of disassembling, the invention including a platform or plank and means by which the platform can be effectively supported in any vertically adjusted position and against sagging or swaying, and in rigid relation to a pair of ladders or other supports in such manner that a flat and uninterrupted surface is provided at the upper side of the platform to permit working thereon without fear of encountering projections of any character.

It is also a purpose of my invention to provide a portable scaffold in which trucks or wheeled tables are provided for supporting the ladders for movement over a surface, and simple and efficient means for detachably securing the ladders in upright position on the tables.

I will describe only one form of portable scaffold embodying my invention and will then point out the novel features thereof in claim.

In the accompanying drawings,

Figure 1 is a view showing in perspective one form of portable scaffold embodying my invention;

Figure 2 is an enlarged fragmentary vertical sectional view through one of the ladders shown in Figure 1, with the platform or plank in applied position thereto;

Figure 3 is a vertical sectional view taken on the line 3—3 of Figure 2.

Referring specifically to the drawings, in which similar reference characters refer to similar parts in each of the views, my invention, in its present embodiment, is shown as comprising a pair of base supports S and S' which are in the present instance in the form of trucks or movable tables and each of which includes a relatively broad body 15 of rectangular outline and provided at its under side with casters 16 by which the base supports can be freely moved over a surface. Secured to the upper sides of the bodies 15 are strips or ribs 17 which provide elongated projections or heads which are adapted to be received in sockets 18 formed in the lower ends of the side rails 19 of a pair of ladders L and L'. Fastening members 20, in the form of hooked irons, are extended through the bodies 15 of the base supports at opposite

sides of the strip 17 so that their hooked ends reversely engage the lowermost rungs of the ladders L and L', thereby maintaining the strips within the sockets 18 and holding the ladders against sidewise movement on the base supports.

The upper ends of the ladders L and L' are bridged by a platform or plank P provided at its opposite ends with pairs of fastening members, which fastening members each comprise a hooked iron 21 and a plate 22. The hooked end of the iron 21 embraces one of the rungs of the ladder and thereby supports the platform on the rung, while the plate 22 is adjustable on the hooked iron to span the hooked end of the iron and thus confine the rung against displacement from the hook. Between its ends and on the under side of the platform is secured a rib or elongated projection 23 which provides attaching means for a pair of clamping brackets 24 pivotally connected to plates 25 secured to the upper ends of brace bars 26. These bars 26 may be formed of any suitable material, such as wood, and are provided at their lower ends with fastening members comprising hooked irons 21 and plates 22 of the same construction as the fastening members on the ends of the platform, these fastening members engaging lower rungs of the ladders L and L', as illustrated in Figure 1, to support the brace bars in inclined position.

The clamping brackets in the present instance are in the form of H-shaped castings so as to receive the rib 23 and to be clamped thereto by set screws 27, with pivotal connection between the brackets and the plates allowing the brace bars to assume the inclined position, while the brackets occupy vertical positions.

From the foregoing construction, it will be manifest that the platform P can be supported in horizontal position at any height on the ladders L and L' to form a rigid connection between the ladders and thus maintain them in upright position upon the base supports, the brace bars 26 being associated with the platform and ladders to brace the platform against sagging between its ends and to provide further means for preventing relative movement of the ladders with respect to each other and to the platform. An important feature of my invention is the mode of connecting the brace bars with the platform, it being noted that the rib 23 is

secured to the under side of the platform to provide effective means for attaching the brace bars, thus leaving the upper surface of the platform devoid of any projections and presenting a smooth and uninterrupted surface for the workmen. The pivotal connection between the brace bars and the platform allows desired adjustment of the bars so that they may be connected to any one of the ladder rungs and thus firmly held in any inclined position desired.

The strips 17 of the bodies 15 effectively co-operate with the socketed ends of the ladders to prevent sidewise movement of the ladders on the base supports, the hooked irons maintaining the strips in engagement with the sockets to prevent upward movement of the ladders on the base supports.

Although I have herein shown and described only one form of portable scaffold embodying my invention, it is to be under-

stood that various changes and modifications may be made without departing from the spirit of the invention and the spirit and scope of the appended claim.

I claim as my invention:

In a scaffold, the combination with a pair of ladders, a platform bridging the ladders and having hooked members embracing one each of the rungs of the ladders, a rib secured to the lower surface of the platform, clamping brackets having pivotal connection with the rib, brace bars provided with hook members connected to one of the rungs, plates secured to the upper ends of the brace bars and being pivotally connected to the clamping brackets and members slidably mounted on the brace bars and platform for holding the hook members in embracing position with respect to the ladder rungs.

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