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W. ASHENFELTER

2,410,330

SCAFFOLD HORSE

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FIG-1-

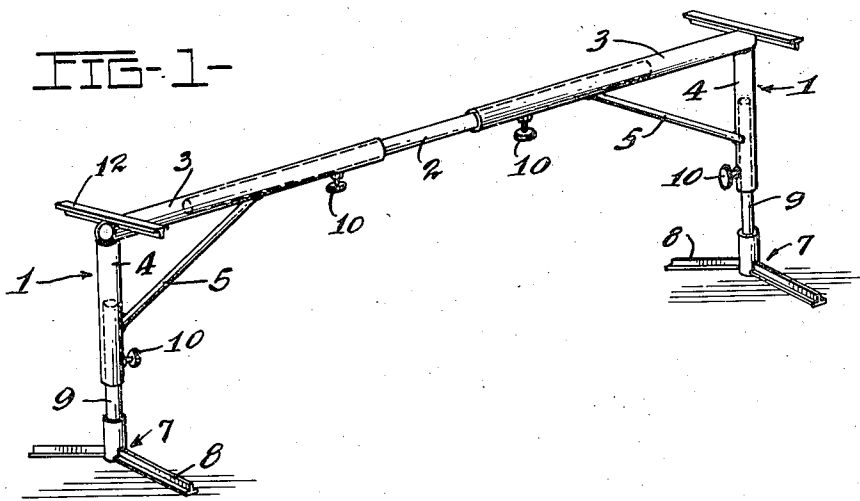


FIG-2-

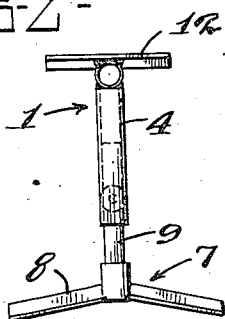


FIG-3-

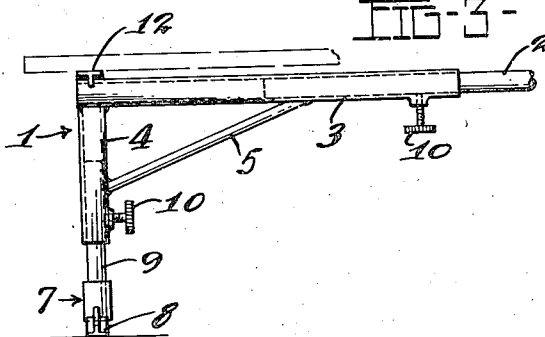


FIG-5-

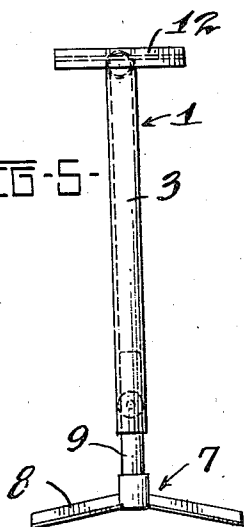
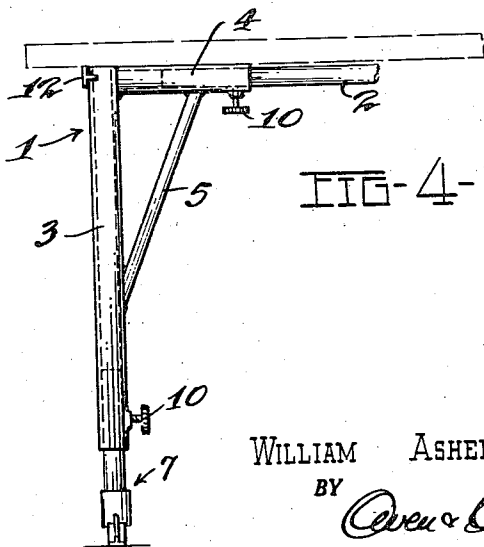


FIG-4-



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SCAFFOLD HORSE

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5 Claims. (Cl. 304-6)

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This invention relates to scaffold horses, and particularly to those of the type used by plasterers, paper hangers, or the like.

A primary object of the invention is the provision of a simple, strong and easily assembled horse of this character which is of a reversible nature to provide a low or high horse and also has telescoping parts to facilitate adjustment both as to horizontal length and as to height.

Further objects of the invention will be apparent from the following detailed description, and from the accompanying drawing illustrating one embodiment thereof, in which—

Fig. 1 is a perspective view of a horse embodying the invention, with the end standards in low assembly positions; Fig. 2 is an end view thereof; Fig. 3 is an enlarged side view of one end portion of Fig. 1; Fig. 4 is a side view similar to Fig. 3 with the end standard in high assembly position, and Fig. 5 is an end view thereof.

Referring to the drawing, 1 designates two duplicate end frames or standards of a scaffold horse embodying the invention and 2 the cross-bar connecting the two standards.

Each end frame 1 has two tubular arms 3 and 4 rigidly connected at right angles to each other or by welding their ends together in L-form or by bending a tubular bar in such shape. The frame arms are made of different lengths, and in practice one is preferably about one-third the length of the other for the purpose hereinafter described. The arms of each frame are connected across the angle thereof by a brace or reinforcing piece 5. In use, either arm of a frame may serve as the horizontal member and the other arm as the vertical upright member, depending on the height of horse desired.

A detachable and extensible foot-piece 7 is provided for each frame and includes a cross-piece 8 for resting on a floor or other support and an upright 9 of bar-form which is adapted to telescope in either arm of a frame 1, depending on which arm is serving at the time as the vertical arm. The foot-piece is held in adjusted relation to the frame arm by a hand operated set-screw 10.

The cross-bar 2 which connects the two frames 1 is of a diameter to telescopically fit at its ends into either arm 3, 4, of either frame, and is adjustably held therein by respective set-screws 10.

In order to form a support for a scaffold plank disposed lengthwise of a horse, each frame 1 is provided at the outer side of its angle with a horizontally disposed seat 12 preferably comprising a short length of T-iron that is fixed to the

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frame crosswise of its arms. In the present instance, the leg flange of the T-iron is notched to seat down over the frame arm 3 with its outer head flange projected at least to the outer side plane of the other frame arm 4 at right angles to the axis of the first arm.

In assembling the horse members, either the long arms 3 of two frames 1 or the short arms 4 thereof may be placed in horizontal position and connected by the cross-bar 2, depending on whether a high or a low scaffold is desired, and the uprights 9 of the foot-pieces 7 are placed in supporting telescoping engagement with the frame arm which is then serving as the upright. For low work the short arms of the frames are used as the uprights and these, together with the connected uprights of the foot-pieces, permit of some range of vertical adjustment. If a greater range of height adjustment is desired, the frames 1 are reversed in position with the short arms disposed horizontally and the long arms serving as the uprights. The height of the horse may then be extended a greater distance by an adjustment of the foot-pieces 7 relative to the engaged arms of the frames. The members 12 serve in either position of the frames 1 as a plank support, for in one position of the frames the flat top surfaces of the T-bars 12 face upward to form rests for a plank, as shown in Figs. 1 and 2, while in the other position of the frame an edge flange of each bar projects upwardly to serve as flat plank supports, as shown in Figs. 4 and 5.

It is apparent that I have provided a simple and efficient scaffold horse which is adjustable both as to length and height, this being made possible largely by reason of the reversible character of the frame members, thus making it particularly valuable for use by plasterers, paper hangers, and the like.

I wish it understood that my invention is not limited to any specific construction, arrangement or form of the parts, as it is capable of numerous modifications and changes without departing from the spirit of the claims.

Having thus described my invention, what I claim as new and desire to secure by United States Letters Patent is:

1. A scaffold horse comprising a pair of frame members each having a long arm and a short arm rigidly connected together in right angular form and reversible in use so that either the long or the short arms of the frames may be horizontally disposed with the other arm vertically disposed to provide a supporting leg, and means for rigidly connecting either the long or short arms

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together in longitudinally aligned horizontal position.

2. A scaffold horse comprising a pair of frame members each having a long arm and a short arm rigidly connected together in right angular form and reversible in use so that either the long or the short arms of the frames may be horizontally disposed with the other arm vertically disposed to provide a supporting leg, and means for rigidly connecting either the long or short arms of the members together in longitudinally aligned horizontal position, and a foot-piece for each frame adjustably connected to the vertically disposed arm thereof.

3. A scaffold horse comprising a pair of spaced frame members each having a long arm and a short arm rigidly connected together in right angular form and reversible in use so that either the long or the short arms may be horizontally disposed in longitudinal alignment with the other arm of each frame vertically disposed to provide a supporting leg, means adjustably connecting together the pair of arms which are horizontally disposed, and means releasably and adjustably connected to whichever arms are serving as the vertical arms to provide foot-rests therefor.

4. A scaffold horse comprising a pair of spaced

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frame members each having a long arm and a short arm rigidly connected together in right angular form and reversible in use so that either the long or the short arms may be horizontally disposed with the other arms vertically disposed to provide supporting legs, a cross-bar releasably and telescopically connecting the horizontal arms of the frames to hold the frames in rigid spaced relation, and means adapted to be releasably connected to each vertically disposed arm of a frame to form a foot-piece therefor.

5. A scaffold horse comprising two spaced frames each having long and short tubular arms rigidly connected together in right angular relation, the frames being reversible in use so that either the long or the short arms thereof may be horizontally disposed with the other arms vertically disposed to provide supporting legs, a cross-bar telescopically and adjustably connecting the horizontal arms of the frames, a foot-piece telescopically and adjustably connected to each vertically disposed arm of the frame, and a second bar fixed to each frame crosswise thereof at the apex of its angle in position to support a plank when either arm is in horizontal position.

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