

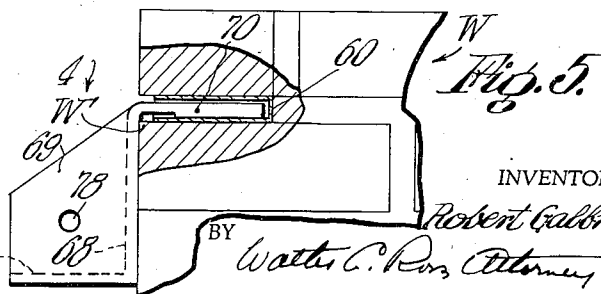
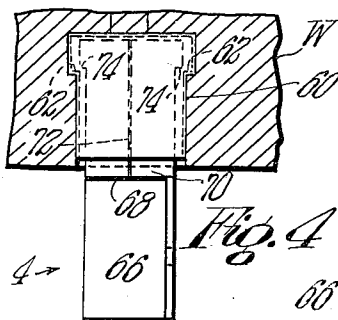
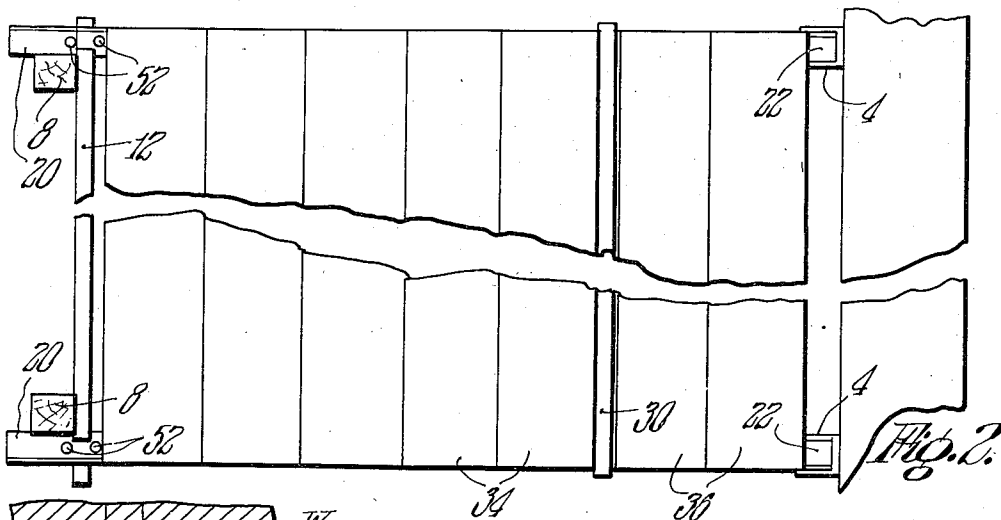
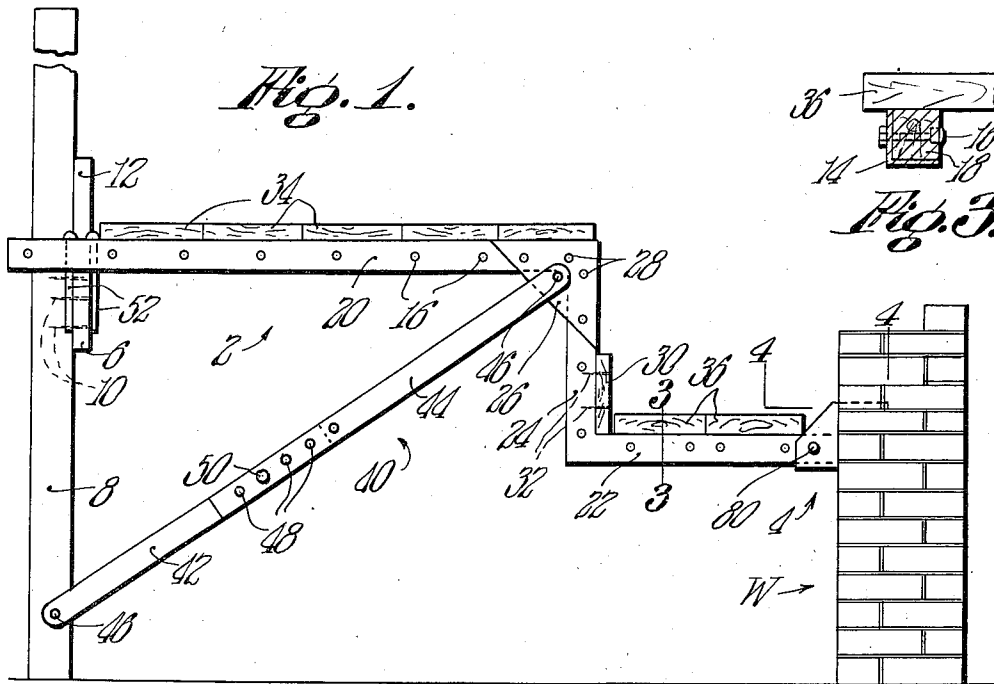
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STAGING

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STAGING

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4 Claims. (Cl. 304—10)

This invention relates to improvements in stagings for masons and the like.

The principal objects of the invention are directed to a mason's staging which is characterized by its simplicity in form and the facility with which it may be erected and dismantled.

With the foregoing and various other novel features and advantages and other objects of my invention as will become more apparent as the description proceeds, the invention consists in certain novel features of construction and in the combination and arrangement of parts as will be hereinafter more particularly pointed out in the claims hereunto annexed and more fully described and referred to in connection with the accompanying drawing wherein:

Fig. 1 is a side elevational view of the staging of the invention shown in association with a wall being erected;

Fig. 2 is a plan view of the staging shown in the drawing;

Fig. 3 is a sectional elevational view on the line 3—3 of Fig. 1;

Fig. 4 is a plan view on the line 4—4 of Fig. 1; and

Fig. 5 is an enlarged side elevational view of the stirrup of the invention in association with a wall.

Referring now to the drawing in detail, the invention will be fully described.

Spaced apart supports 2 are provided that are supported at their inner ends by stirrups 4 associated with the wall W and at their outer ends by a plate 6 which is carried by uprights 8. There may be two or more such uprights which, if desired, may have their lower ends set in the ground and the plate 6 may be secured thereto by spikes 10, bolts or any other suitable means. There may be another plate 12 secured to the uprights after the manner described and there may be any number of supports 2 depending on the desired length of the staging.

The supports preferably consists of angle irons 14 to which are secured, as by bolts 16, filler strips 18 of wood. The supports have upper horizontal runs such as 20 and lower horizontal runs 22 connected by vertical parts 24, and gusset plates 26 may be provided that are secured to the parts 20 and 24 by rivets 28 for purposes of stiffening the structure.

A toe board 30 extends between the supports and is preferably secured to the fillers thereof as by nails 32. Planks 34 and 36 are disposed on the horizontal parts 20 and 22 of the supports and these may be secured thereto by nails

or the like driven into the filler members of the said supports.

Braces 40 including end parts 42 and 44 have their outer ends connected as by bolts 46 to the uprights 8 and gussets 26. Inner portions of the members 42 and 44 are preferably provided with holes 48 for a bolt 50 so that the inner portions of said members 42 and 44 may be adjustably secured together to provide a strong rigid brace.

Pairs of pins 52 are provided for each support that are receivable in holes in the supports so that said pins may engage opposite sides of the plate 6 and prevents movements of the plate relative to the supports.

The wall W as shown represents a brick wall and between certain courses thereof, as with a stone wall, the stirrups are supported. In the laying up of the wall when it is determined where the stirrups are to be located, sheathes 60, one for each stirrup, are laid on top of a course and another course or courses laid thereover, mortar being provided, of course, between the courses and joints.

The sheathes 60 are preferably formed of thin metal and have a total thickness about equal to the space between the elements of the courses. The sheathes resemble pockets having outer ends open for receiving parts of the stirrups and are held in place by the masonry. The inner ends of the stirrups 60 are preferably wider at their inner than at their outer open ends providing shoulders 62 (see Fig. 4.)

The stirrups include lower horizontal ledges 66, vertically disposed parts 68 connected thereto, and upper horizontally-disposed tongues 70. The tongues are receivable in the sheathes, are split at 72, and are provided with shoulders 74.

When the tongues are inserted in the sheathes the parts 68 may abut the face of the wall, and a nail or some implement may be driven into the slits of the tongues so as to spread the rear ends thereof and bring the shoulders 74 behind shoulders 62. The wedging means is left in the slit so that by means of the shoulders the tongues are held against withdrawal from the sheathes.

A side web or webs such as 69 are provided on the stirrups which have an opening or openings 78. Similar holes are provided in the inner ends of the supports 2 for registering with the holes 78 when the ends of the supports are seated in the stirrups. These holes receive pins 80 and thereby the inner ends of the supports are anchored to the stirrups.

With the supports detachably secured at op-

posite ends to the uprights and stirrups there is provided a strong rigid staging having an inner lower platform adjacent the wall for the mason to stand on and an outer relatively higher platform for the materials with which the mason works. The outer platform is at the proper height for the workman to perform his duties most efficiently and with the least effort.

The tongue 70 of the stirrup is relatively thicker at its outer end than adjacent the part 68 thereof so as to provide a space between the said tongue and the upper corner W' of the course therebelow. This protects the said corner and prevents chipping thereof by the tongue as would likely be the case if the tongue engaged said corner.

The invention may be embodied in other specific forms without departing from the essential characteristics thereof. Hence, the present embodiments are therefore to be considered, in all respects merely as being illustrative and not as being restrictive, the scope of the invention being indicated by the appended claims rather than by the foregoing description, and all modifications and variations as fall within the meaning and purview and range of equivalency of the appended claims are therefore intended to be embraced therein.

What it is desired to claim and secure by Letters Patent of the United States is:

1. A mason's staging comprising in combination, a pair of uprights having supporting means for supporting the outer ends of horizontal supports, stirrups for securing to a wall adapted to receive the inner ends of horizontal supports, a pair of supports for planking having inner ends receivable in said stirrups and outer portions connected thereto by vertical members and disposed in a plane above that of the lower portions, said end portions adapted to support planking thereby providing a lower platform for a mason and a platform thereabove for materials, and means for securing the opposite ends of said supports to said supporting means and stirrups respectively, said supports including metal angle bars and fillers of wood secured thereto, and said supporting means for the horizontal supports including a plate for securing to said uprights and the means for securing the outer ends of said supports thereto including members associated with said supports engageable with opposite sides of said plate.

2. A device for associating with a wall of

masonry adapted to support a member of a staging comprising, a sheath in the form of a rectangular open ended tube for securing between the courses of a masonry wall with the open end outermost, and a stirrup having a tongue insertable in the open end of said sheath and a portion depending therefrom for lying against the face of a wall terminating in a horizontally disposed supporting ledge, the said sheath provided with a relatively narrower outer portion than an inner portion forming shoulders at opposite sides thereof and the tongue having a longitudinal slot to facilitate transverse expansion thereof at its inner end and outer shoulders at said end engageable with the shoulders of the sheath when in expanded relation.

3. A mason's staging comprising in combination, a pair of uprights having supporting means including a plate for supporting the outer ends of horizontal supports, stirrups for securing to a wall adapted to receive and support inner ends of said horizontal supports, a pair of supports for planking having inner sections receivable in said stirrups and outer sections for resting on said plate, the inner and outer sections of the supports being disposed in spaced planes and having adjacent ends connected by vertical members and being adapted to support planking providing a lower mason's platform and a material platform thereabove, means for securing outer ends of the inner sections to the stirrups, and means for securing the outer sections of the supports to the plate including members depending from said sections at opposite sides of said plate.

4. A device for associating with a wall of masonry adapted to support a member of a staging comprising, a sheath in the form of a rectangular open ended tube for securing between the courses of a masonry wall with the open end outermost, and a stirrup having a tongue insertable in the open end of said sheath and a depending portion for lying against the face of a wall terminating in a horizontally disposed supporting ledge, the said sheath having a relatively wider inner portion than an outer portion providing shoulders at opposite sides thereof inwardly of its open end, and said tongue having a longitudinal slot to facilitate transverse expansion thereof at its inner end and shoulders at opposite sides of said end engageable behind the shoulders of the sheath to prevent movement of the tongue outwardly of the sheath.

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