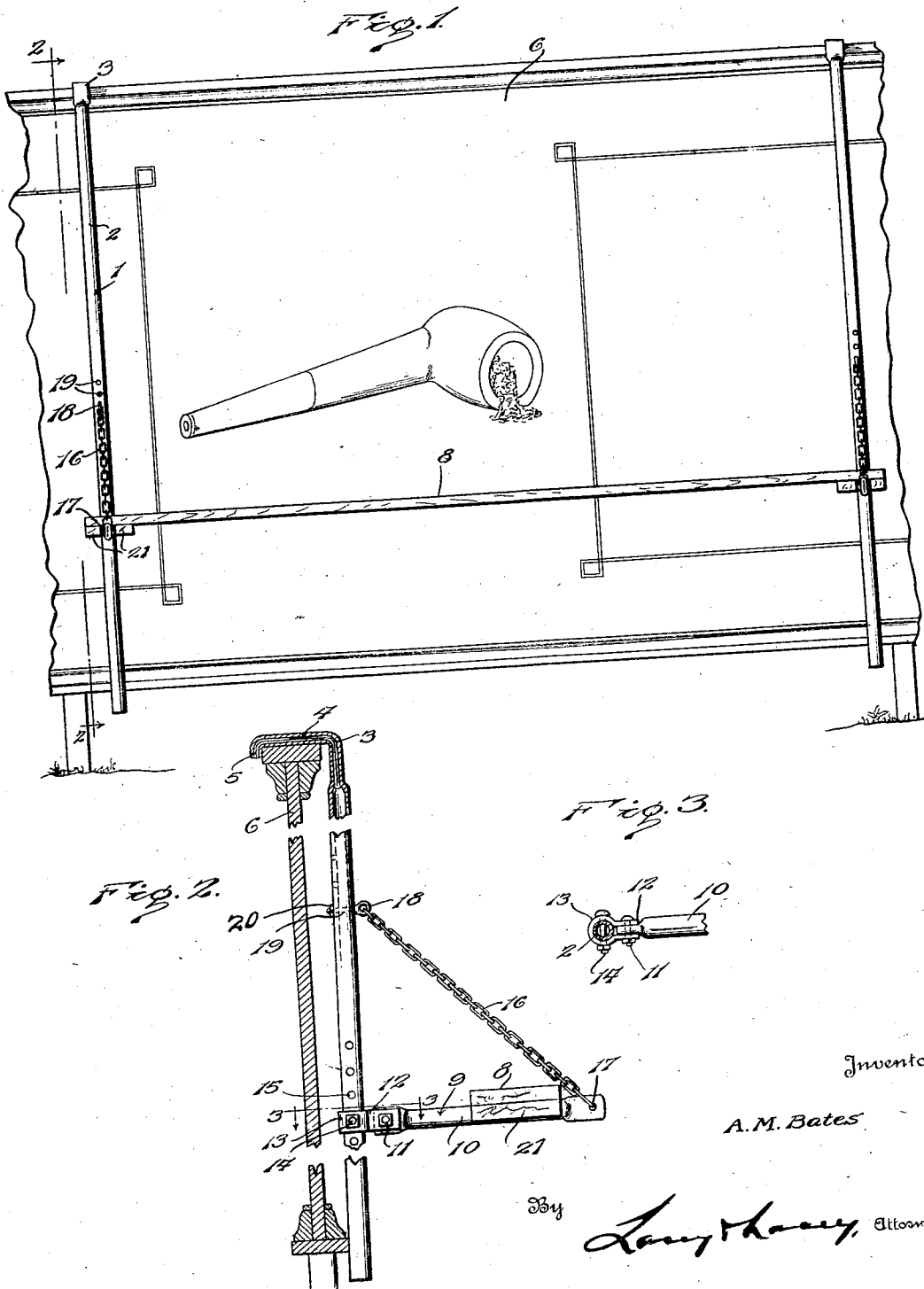


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A. M. BATES
SUSPENDED SCAFFOLD
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UNITED STATES PATENT OFFICE.

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SUSPENDED SCAFFOLD.

Application filed May 4, 1925. Serial No. 27,905.

This invention relates to improvements in scaffolds and more particularly to a scaffold designed to be suspended upon a bill board to support a sign painter or bill poster.

One of the objects of the present invention is to provide a scaffold which may be readily erected and supported solely by the bill board and which, when properly suspended will be firmly supported in place so that a sign painter or bill poster may conveniently reach all portions of the surface of the bill board.

Another object of the invention is to provide a scaffold for the purpose stated embodying a minimum number of parts so that there will be practically no obstruction of the surface of the bill board, thereby permitting the sign painter or bill poster to work without interference on the part of the scaffold.

Another object of the invention is to provide a scaffold for the purpose stated so constructed that it may be quickly and conveniently mounted upon any standard construction of bill board and adjusted longitudinally thereof without any readjustment of the parts so that by a mere shifting of the scaffold structure the workman may conveniently paint upon or apply posters to the selected area portion of the bill board.

Another object of the invention is to provide a scaffold for the purpose stated, so constructed that it may be readily mounted upon a bill board and dismounted and, when dismounted, may be compactly arranged for transportation.

Another object of the invention is to so construct the scaffold that it may be adjusted to support a workman at different elevations, depending upon the height of the bill board.

In the accompanying drawings:—

Figure 1 is a front elevation of the scaffold embodying the present invention mounted upon a bill board.

Figure 2 is a vertical sectional view taken on the line 2—2 of Figure 1, looking in the direction indicated by the arrows.

Figure 3 is a horizontal sectional view taken on the line 3—3 of Figure 2, looking in the direction indicated by the arrows.

The scaffold comprises a pair of suspension members indicated in general by the numeral 1 and each of these members com-

prises a tubular upright 2 which is preferably of a length approximating the height of an ordinary bill board. The upper end of each upright is flattened and bent as at 3 to form a suspension hook 4, which extends substantially at right angles rearwardly from the upper end of the upright and is of a length substantially equal to the width of the upper side of the ordinary bill board, the hook terminating in a downwardly turned end portion 5 which is designed to engage behind the top of the bill board, as clearly shown in Figure 2 of the drawings, so that the upright 2 is suspended in vertical position in front of the bill board, the bill board being indicated in general by the numeral 6. It will be evident by reference to Figure 2, that the upright is suspended substantially in parallelism to the face of the bill board.

The supporting uprights 2 are designed to support a platform board which is indicated by the numeral 8, and for this purpose, the uprights 2 are provided with supporting arms which are indicated in general by the numeral 9 and which will now be described. Each of the supporting arms 9 preferably comprises a tubular arm member 10 which is pivotally mounted at one end, by a bolt 11, between the spaced members 12 of a yoke 13 which is disposed to embrace the supporting upright 2, the bight of the yoke snugly fitting the said upright. A bolt 14 is secured through the bight portion of the yoke 13 and is fitted through one or another of a series of openings 15 formed in the opposite sides of the tubular upright 2, the yoke being adapted, in this manner, to be supported at various positions of elevation upon the respective upright. By pivotally connecting the arms 10 with the yokes 13, the arms are adapted to assume the horizontal supporting position shown in the drawings, when the scaffold is in use or, when the scaffold is being transported from place to place, may be folded to lie beside the respective uprights and, therefore, occupy but little space and render the structure more compact. In order to support the arms 10 in horizontal position, a chain or other flexible supporting element 16 is connected at its lower end as at 17, to the outer end of each arm and at its upper end is connected to an eye bolt 18 which is fitted interchangeably in openings 19 formed in the supporting uprights 2, nuts 20 being

threaded upon the shanks of the eye bolts to secure the same in place. It will be understood at this point that the arms 9 may be adjusted upon the uprights to assume different positions of elevation by removing the bolts 14 and vertically adjusting the yokes 13 upon the respective uprights and replacing the bolts, and after this adjustment has been effected, the eye bolts 18 will be correspondingly adjusted so that when the chains or other flexible supporting elements 16 are taut, the arms 10 will extend horizontally or at right angles from the uprights 2.

The platform board 8 is either in the form of a single board or may be made up of two or more boards suitably assembled and secured together. A pair of cleats 21 is secured to the under side of the platform board at or near each end thereof and the cleats of each pair are so spaced that they will approximately engage against the opposite sides of the supporting arm 10 upon which the corresponding end of the platform board is disposed, the board being, in this manner, not only supported by the arms 10 but being likewise held against longitudinal displacement and the suspending members being likewise held against relative displacement.

From the foregoing description of the invention, it will be understood that in the use of the scaffold the suspension members are engaged at their hooked upper ends over the upper edge of the bill board upon which painting is to be done or posters applied, and, after the arms 10 have been properly positioned, the platform board 8 is disposed

at its end portions upon the supporting arms 10 and will then constitute a support for the workman. It will also be evident that the application of the scaffold to the bill board and its removal therefrom does not in any way mar or injure the board and the application and removal of the scaffold may be readily and quickly accomplished without the employment of any tools whatsoever. It will also be evident that the structure is exceptionally substantial although simple in construction and light in weight and is of such character that its presence upon the board does not in any way interfere with the labors of the painter or bill poster. It will also be evident that the structure, when removed from the board, may be readily collapsed or folded and its several parts compactly arranged for transportation.

Having thus described the invention, what I claim is:—

An upright having a suspending hook at its upper end and provided in its length with openings, a yoke adjustable on the upright and comprising an upright embracing portion and spaced elements, a bolt securing the yoke in the required adjusted position, an arm having its inner end pivoted between the spaced elements of the yoke, a supporting element connected at one end to the outer end of the pivoted arm, and an eye bolt at the free end of the supporting element and adapted to engage a selected opening of the upright to secure the arm in the required position.

In testimony whereof I affix my signature.

AZARIAH M. BATES. [L. s.]