

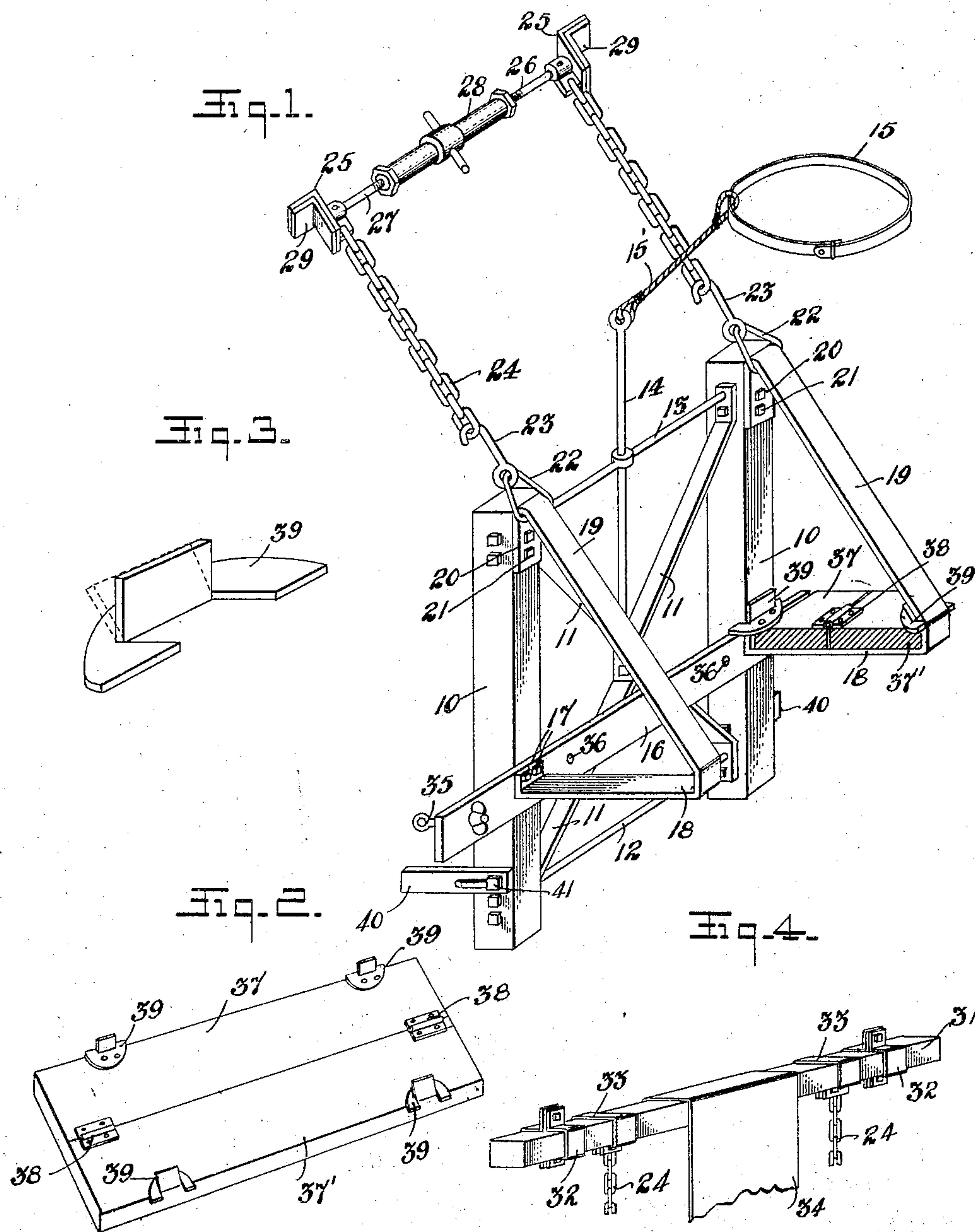
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WINDOW SCAFFOLD

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WINDOW SCAFFOLD

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This invention relates to window scaffolds and has for an object to provide an improved scaffold for use by window cleaners, glaziers or other artisans working upon the exterior of windows.

A further object of the invention is to provide improved means for supporting the scaffold in relation to the window opening.

A further object of the invention is to provide improved means for maintaining the platform member of the scaffold in position.

The invention, therefore, comprises a frame made rigid in any approved manner, with brackets extending therefrom and spaced apart, within which a platform, folding along its longitudinal median line may be supported, and with cables from the upper end of the frame extending to means for engaging with the frame part of a window for supporting the scaffold upon the exterior of the building.

The invention is directed to other objects, and possesses other features of novelty and advantage, some of which, together with the foregoing, will be hereinafter more fully described.

In the drawing:

Figure 1 is a perspective view of the improved scaffold, with the platform broken away to disclose the underlying parts of the frame, and other structural features.

Figure 2 is a perspective view of the platform,

Figure 3 is a perspective view of one of the clips attached to the platform to maintain it in proper relation with the brackets, and

Figure 4 is a perspective view of a modified structure for engagement with the window frame.

Like characters of reference indicate corresponding parts throughout the several views.

The improved window scaffold, which forms the subject matter of this application, comprises spaced posts 10 which are rigidly formed into a unitary structure by means of braces 11, a bottom rod 12, and a top rod 13. The top rod accommodates a vertical

rod 14 forming connection for a safety belt 15, with its cable 15'.

Extending also across between the posts 10, is a plate 16, which while performing other functions, also serves to make the frame more rigid. The plate 16 is secured by means of bolts 17 which also serve to secure the lower lap 18 of one of the brackets. The other lap 19, of the brackets, is bent inwardly as at 20 and secured as by bolts 21.

The upper ends of the laps 19, of the brackets, are return bends for holding rings 22 which are preferably, though not necessarily, triangular in form as shown, and carry hooks 23, which in turn, engage chains or other cables 24.

The chains 24 engage knees 25 which are connected together by rod sections 26 and 27, connected by a turn buckle 28, the knees being padded by cushioning members 29.

Instead of employing the fastening means, represented by the knees 25, a modified type is shown at Figure 4, comprising a bar 31 which may extend transversely across inside of the window frame and is provided with longitudinally adjustable safety clamps 32.

In this case, the chains 24 engage upon sliding runners 33. As shown also at Figure 4, a fabric 34 is shown, which may be selectively employed as a protective screen.

Instead of supporting the scaffold by the hooks 23, eyebolts 35 are provided into which the chains 24 may be engaged so that the scaffold may be supported at an elevation above that provided by the hooks 23. Additional perforations 36 are provided in the cross bar 16 for the eye-bolts 35 when used in conjunction with a particularly narrow window opening.

The lower laps 18, of the brackets, are for the supporting of the platform upon which the user stands. The platform is preferably made in sections 37 and 37' hinged together by the hinges 38. The sections are provided with clips 39 which are bifurcated to engage upon opposite sides of the posts and the laps 18, respectively of the brackets, so that when the platform is in the position indicated by the broken section at Figure 1, the clips 39 will prevent

longitudinal movement of the platform thereupon.

As window ledges often extend variously outwardly beyond the under parts of the building, legs 40 are provided which are adjustable by the bolt and slot connections 41 to maintain the frame plumb.

Of course, the window scaffold, herein illustrated, may be modified in various ways without departing from the invention herein set forth and hereinafter claimed.

The invention is hereby claimed as follows:—

1. A window scaffold comprising a frame having parallel bars, a bracket outstanding from each of said bars, a platform carried by said brackets, means for engaging window frame parts, and flexible means connecting the brackets with said engaging means.

2. A window scaffold comprising a frame having spaced parallel bars, brackets outstanding rigidly from said bars, parts of said brackets being perpendicular to said bars and other parts inclined relative thereto, a platform positioned upon the perpendicular parts having means at its opposite edges for engagement with the bars and the brackets, means for engaging window frame parts, and connecting means from said last mentioned means to said brackets.

3. A window scaffold comprising a frame composed of spaced bars, bracing means positioned between the bars, a member upstanding from said bracing means, a safety belt attached to said upstanding member, and means connecting the frame with a window.

4. A window scaffold comprising a frame composed of spaced bars, a strip extending across and connecting said bars and provided with a plurality of perforations, connecting members electively positioned in some of said perforations, means to connect said connecting members with the window frame, brackets carried by the bars, and a platform mounted upon said brackets.

5. A window scaffold comprising rigidly interconnected parallel bars, brackets carried by said bars, said brackets comprising parts extending substantially perpendicular to said bars intermediate their ends and inclined parts extending from the extremities of said perpendicular parts to the upper parts of said bars, a platform fitted between the inclined parts of the brackets and the bars, and suspending means connected substantially at the juncture of the bars and inclined parts of the brackets.

6. A window scaffold comprising rigidly interconnected parallel bars, means carried by the bars for variably spacing the lower ends of the bars from the structure embodying the window, brackets carried by said bars, said brackets comprising parts extending substantially perpendicular to said bars

intermediate their ends and inclined parts extending from the extremities of said perpendicular parts to the upper parts of said bars, a platform fitted between the inclined parts of the brackets and the bars, and suspending means connected substantially at the juncture of the bars and inclined parts of the brackets.

7. A window scaffold comprising rigidly interconnected parallel bars, brackets carried by said bars, said brackets comprising parts extending substantially perpendicular to said bars intermediate their ends and inclined parts extending from the extremities of said perpendicular parts to the upper parts of said bars and forming return bends, a platform fitted between the inclined parts of the brackets and the bars, and suspending means connected substantially at the juncture of the bars and inclined parts of the brackets.

8. A window scaffold comprising rigidly interconnected parallel bars, brackets carried by said bars, said brackets comprising parts extending substantially perpendicular to said bars intermediate their ends and inclined parts extending from the extremities of said perpendicular parts to the upper parts of said bars, a folding and removable platform fitted between the inclined parts of the brackets and the bars, and suspending means connected substantially at the juncture of the bars and inclined parts of the brackets.

9. A window scaffold comprising rigidly interconnected parallel bars, brackets carried by said bars, said brackets comprising parts extending substantially perpendicular to said bars intermediate their ends and inclined parts extending from the extremities of said perpendicular parts to the upper parts of said bars, a platform fitted between the inclined parts of the brackets and the bars, means carried by the platform for positioning engagement with said bars and brackets, and suspending means connected substantially at the juncture of the bars and inclined parts of the brackets.

10. A window scaffold comprising rigidly interconnected parallel bars, brackets carried by said bars, said brackets comprising parts extending substantially perpendicular to said bars intermediate their ends and inclined parts extending from the extremities of said perpendicular parts to the upper parts of said bars and forming return bends, a platform fitted between the inclined parts of the brackets and the bars, and suspending means secured in said return bends and connected substantially at the juncture of the bars and inclined parts of the brackets.

11. A window scaffold comprising rigidly interconnected parallel bars, means carried by the bars for variably spacing the lower ends of the bars from the structure embody-

ing the window, brackets carried by said bars, said brackets comprising parts extending substantially perpendicular to said bars intermediate their ends and inclined parts
5 extending from the extremities of said perpendicular parts to the upper parts of said bars and forming return bends, a folding and removable platform fitted between the inclined parts of the brackets and the bars,
10 means carried by the platform for positioning engagement with said bars and brackets, and suspending means secured in said return bends and connected substantially at the juncture of the bars and inclined parts of
15 the brackets.

In testimony whereof we have signed our names to this specification.

JUNIUS L. MALLORY.
JOHN V. DANIEL.

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