

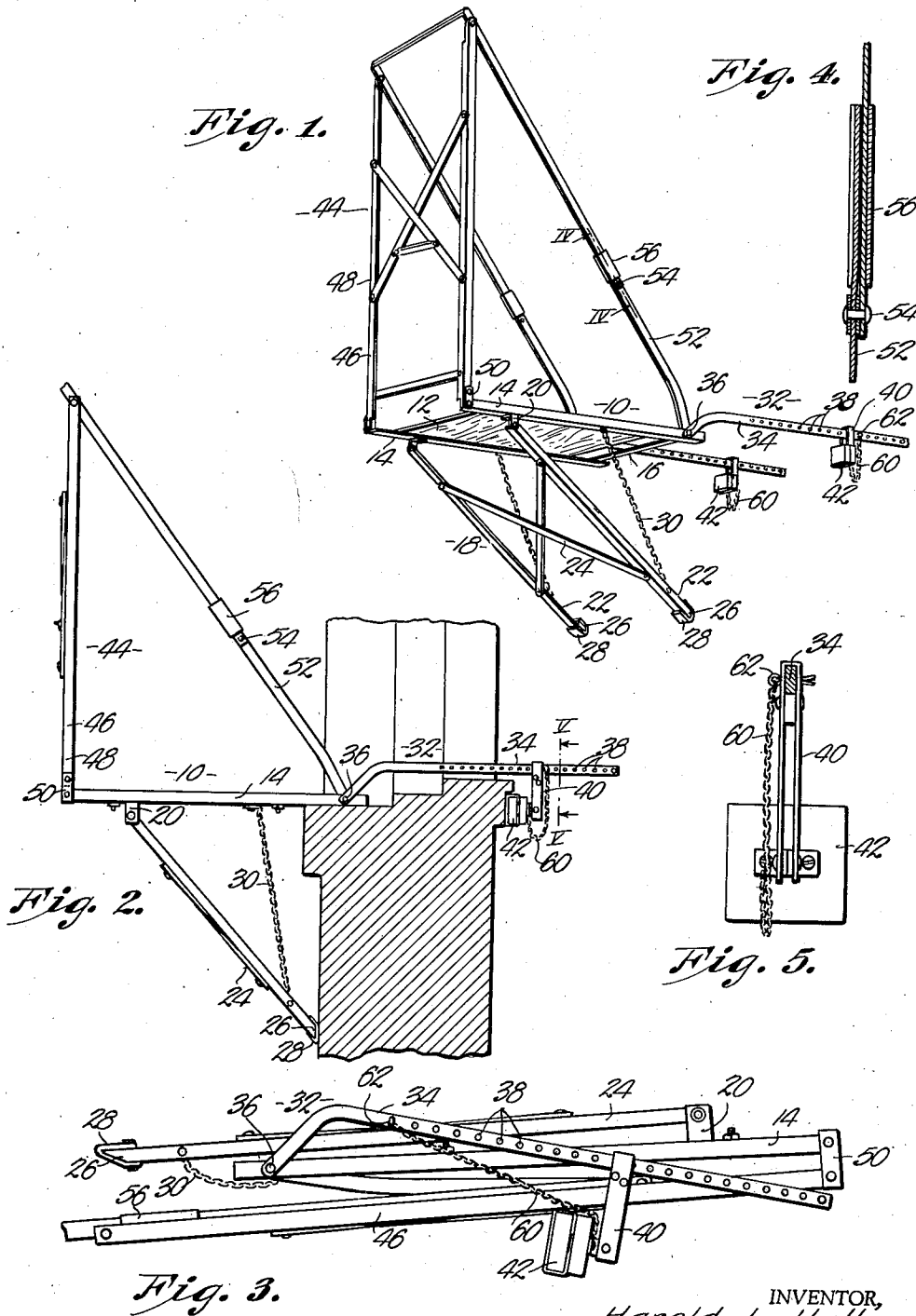
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WINDOW SCAFFOLD

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WINDOW SCAFFOLD

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2 Claims. (Cl. 304—27)

This invention relates to improvements in window scaffolds and particularly to a collapsible window scaffold suitable for use in cleaning windows, etc.

The principal object of the present invention is the provision of a window scaffold having a platform with a bracket hinged to the outer edge thereof and flexible stays for limiting the hinging movement of said bracket relative to the platform, whereby the bracket serves as a strut to rest against the outer wall surface below said platform, and a clamp member adapted to be positioned to engage the inner surface of said wall.

Another object of this invention is the provision of a window scaffold having its parts so connected and arranged that they can be folded together to present a small, convenient pack.

Other objects are simplicity and sturdiness of construction, ease of operation, and adaptability for use on walls of various thicknesses.

With these as well as other objects which will appear during the course of the specification in view, reference will now be had to the drawing wherein:

Figure 1 is a perspective view of a window scaffold shown in the extended position and embodying this invention.

Fig. 2 is a side elevation of the scaffold shown in the operative position on a building structure.

Fig. 3 is a side elevation of the window scaffold in the collapsed position.

Fig. 4 is a sectional view taken on line IV—IV of Fig. 1; and

Fig. 5 is a sectional view taken on line V—V of Fig. 2.

Throughout the several views, like reference characters designate similar parts and the numeral 10 is a platform comprising a planar member 12 having angle irons 14 secured to its opposite edges. These angle irons extend inwardly beyond member 12 and serve as bearings to rest on the window ledge.

A tie bar 16 interconnects the angle irons 14 intermediate their ends and the planar member 12 to add rigidity to the platform. This platform could also be made of a single piece of sheet metal, wood, etc., without affecting its proper functioning as contemplated.

A bracket 18 is hinged to the opposite side of said platform to lugs 20 secured respectively to angle irons 14. The bracket comprises spaced apart struts 22 joined by cross brace members 24 riveted thereto. The inner ends of struts 22 are formed to present wall bearing feet 26 which

are covered with pads 28 to prevent marring of the wall.

Stays 30 are provided to interconnect struts 22 with their respective angle irons 14 at points intermediate their ends whereby the stays are positioned in spaced relation to the supporting wall when the scaffold is in use. While these stays might be made of any material of suitable strength, it has been found convenient to make them of a flexible element, such as a chain, to facilitate easy collapsing of the scaffold.

Similar clamping members 32 are hingedly attached at their one end to each of the angle irons 14. Each clamping member 32 comprises an arm 34 hinged at 36 to angle iron 14 and provided at its free end portion with a longitudinally disposed series of holes 38.

A bracket 40 slidably mounted on arm 34 is disposed transversely thereto and carries a shoe 42 which extends toward the platform and is adapted to engage the inner surface of the supporting wall. The engaging face of the shoe is provided with a soft covering material for protection of the wall or window-casing finish. Shoe 42 is secured to bracket 40 for limited oscillatory movement and there is sufficient friction between the parts to prevent accidental relative movement thereof.

A chain 60 secured at its one end to shoe 42 and at its other end to a cotter key 62, which is adapted to be inserted in one of the series of holes 38 to secure bracket 40 against longitudinal movement relative to arm 34. Also, the cotter key is used for securing the parts in the collapsed position as hereinafter described.

A collapsible railing 44 extends upwardly from the platform and affords ample protection to the workman. This railing consists of a framework 46 having uprights 48 hinged respectively to brackets 50 carried by angle members 14. This framework 46 is secured in an upright position by diagonally disposed side braces 52 which are hinged at their opposite ends respectively, to the bracket 50 and the platform 10. Each brace consists of two overlapped members pivoted together at 54 and adapted to be secured against relative movement by a bolt 56 which serves as a sheath for the overlapped portions.

Referring to Fig. 3, it will be noted that the scaffold is adapted to be folded into a convenient, compact form for storage and transportation.

The cotter key 62 positioned in one of the holes 38 serves to secure the parts against accidental displacement. When unfolded and positioned

out the window, as shown in Fig. 3, it will securely grip the wall, and when the shoes 42 are properly positioned on arm 34, the platform will extend substantially horizontally out from the window. Due to the relative relation of the shoes and the bearing ends of the struts, there is no tendency for the engaging parts to be dislodged when weight is applied to the platform. A relatively large portion of the weight on the platform rests on the window sill as clearly shown in Fig. 2.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

1. A window scaffold comprising a platform adapted to rest at its one edge on the outer ledge of a window frame to extend outwardly therefrom; a bracket extending substantially the full width of said platform hingedly carried adjacent the outer edge of said platform and adapted to contact the outer surface of the structural wall below said window frame; an adjustable

clamping member hinged to said platform having a horizontally and vertically adjustable shoe adapted to engage the inner wall of said structural member below said window ledge to secure said platform in a substantially horizontal position; and a railing hingedly secured to said platform for movement relative thereto, adapted to extend along the outer edge and the two sides of said platform and to be collapsed to extend substantially parallel therewith.

2. A window scaffold comprising a platform, a bracket hinged to the outer portion and adjacent opposite sides of said platform to extend downwardly therefrom; a stay to limit the downward hinging movement of said bracket; an arm hinged to the inner portion of said platform; a bracket slidably mounted for longitudinal adjustment on said arm; and a shoe carried by said bracket for limited oscillatory movement relative thereto.

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