J. H. COOK.

WINDOW SCAFFOLD.

APPLICATION FILED JUNE 18, 1918.

1,336,283. **Patented Apr. 6, 1920.**

2 SHEETS—SHEET 1.

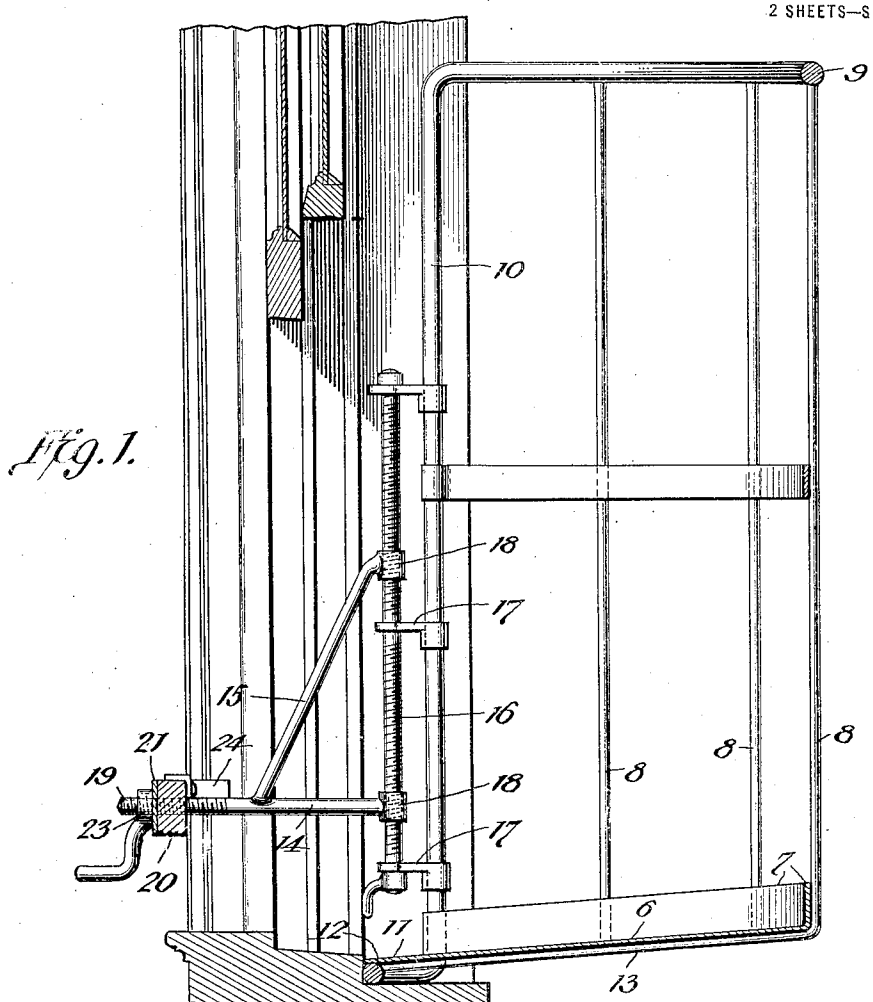


Fig. 1.

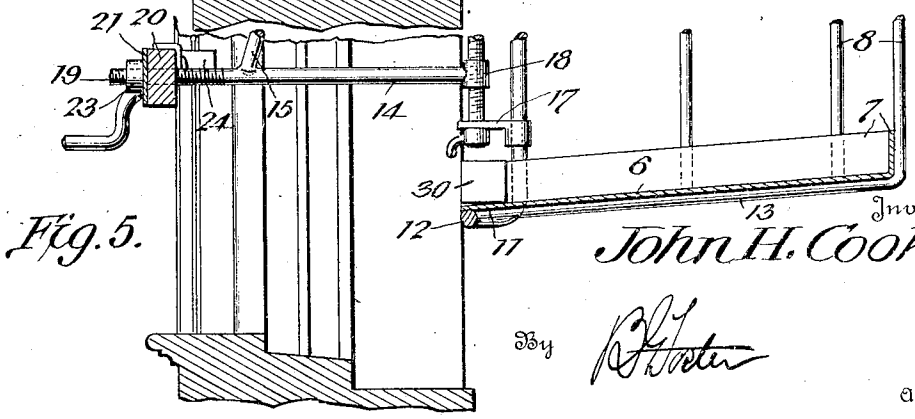


Fig. 5.

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2 SHEETS—SHEET 2.

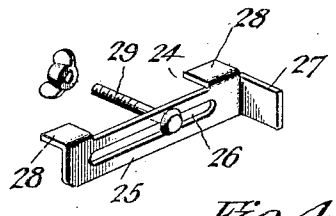


Fig. 4.

Fig. 2.

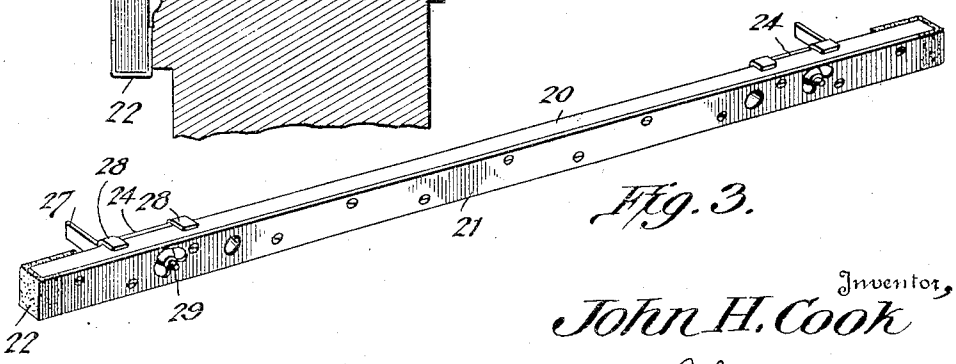


Fig. 3.

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UNITED STATES PATENT OFFICE.

JOHN HENRY COOK, OF SALT LAKE CITY, UTAH.

WINDOW-SCAFFOLD.

1,336,283. Specification of Letters Patent. Patented Apr. 6, 1920.

Application filed June 18, 1918. Serial No. 240,592.

To all whom it may concern:

Be it known that I, JOHN H. COOK, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Window-Scaffolds, of which the following is a specification.

The present invention relates to workmen's scaffolds for use in windows and other openings of buildings.

The object is to provide a relatively simple and novel structure that can be easily adjusted to different sized windows or other openings and positioned therein, at the same time forming a safe support for a workman, as for example, a window washer, or one employed in putting up or removing awnings and the like. The device is therefore particularly useful on high structures.

In the accompanying drawings:—

Figure 1 is a side elevation of an embodiment of the invention, and illustrating one manner in which it may be positioned.

Fig. 2 is a horizontal sectional view, the scaffold being illustrated in plan view.

Fig. 3 is a perspective view of the holding bar,

Fig. 4 is a detail perspective view of one of the guide elements,

Fig. 5 is a detail sectional view indicating how the device may be employed above the window ledge.

Similar reference numerals designate corresponding parts in all the figures of the drawings.

In the structure illustrated, a platform 6 is employed, which is preferably of sheet metal, and is provided with an upturned marginal flange 7. This platform is surrounded by a guard railing, including vertical rods 8 connected at their upper ends to a rail 9. The said rail has side posts 10 which are disposed at a distance in rear of the front edge of the platform 6, thereby producing a ledge 11. The side posts 10 extend beneath the said ledge, and are connected by a horizontal rod portion 12, constituting a reinforcement for said ledge, and the lower ends 13 of the rods 8 extend beneath the platform 6 and converge to the central portion of said rod 12, thereby providing a reinforcement beneath the said platform.

Carried by the structure above described, are forwardly extending brackets, consisting of substantially horizontal tension rods 14 and upwardly extending braces 15 joined thereto. These brackets are suitably secured to the railing, and in order that they may be vertically adjusted, they may be mounted on vertical adjusting screws 16 journaled in ears 17 fixed to the side posts 10. The inner ends of the tension rods 14 and braces 15 are provided with guide elements 18 threaded upon the screws. Consequently by rotating the screws, it will be evident that the brackets can be raised or lowered, as desired.

The inner ends of the tension rods 14 are threaded, as illustrated at 19, and detachably and slidably mounted on said ends, and therefore connecting the brackets, is a transversely disposed holding bar 20 preferably made of wood, and having its rear side faced with sheet metal, as illustrated at 21. The ends of the bar are covered with suitable cushioning material 22 to avoid injury to the frame of the window against which it is designed to bear, as illustrated in Fig. 2. Holding nuts 23 threaded on the ends 19 of the tension rods serve to hold the bar 20 in any position desired on said rods. In order to prevent any longitudinal displacement of the bar 20 guides or stops 24 are employed. Each consists of a strip 25 provided with a longitudinal slot 26 and having at one end an outstanding stop 27 that is arranged to engage the inside of the window frame. Offset ears 28, carried by said strip, rest upon the bar and serve to prevent its lateral displacement. The stops are held by suitable bolts 29 passing through the slots 25 and through the bar.

It is believed that the manner in which the device is used will be clear by reference to the drawings. The platform is placed outside the window, the brackets are adjusted as desired, and the holding bar 20 is placed in position and clamped. An effective and safe support is thus provided for a workman, giving free access to the outside of the frame of the window, either for cleaning, placing awnings, or for other purposes. The ledge 11 constitutes in effect a hook which may, if desired, be engaged beneath the sill, or if it is necessary to place the scaffold above the sill where the windows are high, or where it is desirable to have complete access to the upper ends of the same, a supplemental bar 30 can be placed upon the ledge 11 as indicated in Fig. 5.

From the foregoing, it is thought that

the construction, operation and many advantages of the herein described invention will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. In a structure of the character set forth, the combination with a platform, of a guard railing extending above the same and terminating short of its front edge, forming a ledge, said railing including end posts, and a cross bar connecting the lower ends of the posts and offset therefrom, said cross bar extending longitudinally along the ledge, forming a reinforcement for said ledge.

2. In a structure of the character set forth, the combination with a platform and a guard railing extending thereabove, of a frame-engaging cross bar, and means connecting the bar and guard railing at spaced points adjustably for elevating and lowering the bar with relation to the platform, said bar being located above said platform.

3. In a structure of the character set forth, the combination with a substantially horizontal platform member, of vertically disposed adjusting screws, means in which the screws are mounted for holding said screws substantially at right angles to the platform member, and a transversely disposed frame-engaging holding bar engaged with the screws and vertically adjustable thereby toward and from the platform member.

4. In a structure of the character set forth, the combination with a platform member having a retaining railing provided with side bars, of vertically disposed adjusting screws mounted on the side bars, brackets adjustably engaged with the screws, and a transversely disposed frame-engaging holding bar engaged with the brackets.

5. In a structure of the character set forth, the combination with a platform member, of a retaining railing therefor provided with upright side bars, vertically disposed screws mounted on the side bars, brackets engaged with the screws and vertically adjustable on the railing, a holding bar slidably adjusted on the brackets, means for adjustably securing the holding bar to said brackets, and guide elements carried by the bar for engagement with a window frame.

In testimony whereof I affix my signature in the presence of two witnesses.

JOHN HENRY COOK.

Witnesses:
ELLA NELSON,
MARJORIE BURG.