A. S. SMITH.

PORTABLE BALCONY.

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1,285,436. Patented Nov. 19, 1918.

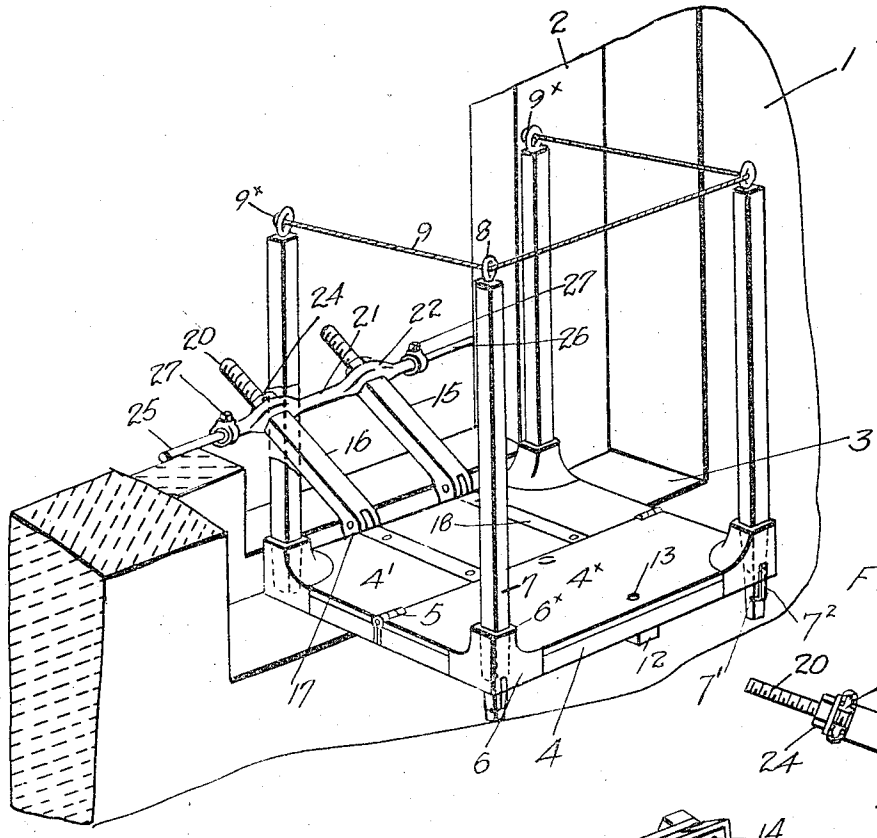


FIG. 1.

FIG 4.

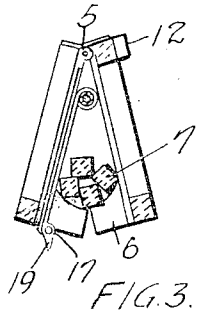


FIG. 3.

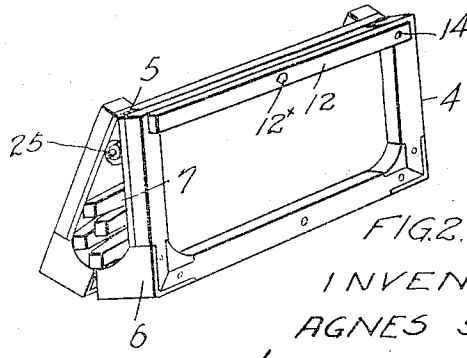


FIG. 2.

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UNITED STATES PATENT OFFICE.

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PORTABLE BALCONY.

1,285,436. Specification of Letters Patent. Patented Nov. 19, 1918.

Application filed January 25, 1918. Serial No. 213,770.

To all whom it may concern:

Be it known that I, AGNES SYDNEY SMITH, of the city of Stratford, in the county of Perth, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Portable Balconies, of which the following is the specification.

My invention relates to improvements in portable balconies and the object of the invention is to devise a balcony particularly adapted for the use of window cleaners and such as may be readily collapsed so that it may be carried from place to place and such as is also adapted to be secured to a window frame of any width or thickness desired and my invention consists essentially of the following arrangement and construction of parts hereinafter more particularly explained.

Figure 1, is a general perspective view of my device showing it attached to a portion of a wall structure and window frame.

Fig. 2, is a perspective view of my device in the collapsed position.

Fig. 3, is a cross sectional view of my device in the position shown in Fig. 2.

Fig. 4, is a sectional detail of the means for adjusting the securing members according to the thickness of the window frame.

In the drawings like letters of reference indicate corresponding parts in the various figures.

1 indicates a portion of a wall structure provided with a window frame 2 and sill 3. 4 indicates my balcony which is divided into two portions 4^x and 4′ connected together by hinges 5. The corners of the balcony 4 are provided with socket members 6 into which the framing of the portions 4^x and 4′ are suitably secured. The socket members 6 are provided with tapered sockets 6^x. 7 indicates standard members provided with tapered lower ends fitting within the sockets 6^x. The upper ends of each standard are provided with screw eyes 8 through which a cord 9 extends, the ends of the cord being provided with enlargements 9^x in order to hold the cord in position.

12 indicates a turn bar swingably secured in position at 12^x to the portion 4^x of the balcony 4. When the bar 12 is turned into position at right angles to the joint between the portion 4^x and 4′ it forms a brace so as to insure that the portion 4^x is held rigid.

13 indicates a hole formed in the portion 4 and 14 indicates a corresponding hole formed in the bar 12. Into the holes 13 and 14 a drop bolt may be inserted so as to hold the bar 12 in position. 15 and 16 indicate hinge bars hingedly connected at 17 to bars 18 secured to the balcony portion 4′. The hinge bars 15 and 16 are provided with tongues 19, which bear against the inner edge of the balcony portion 4 when they are in the operative position. The outer ends of the bars 15 and 16 are provided with threaded portions 20. 21 indicates a cross bar provided with enlargements 22 having orifices 23. The cross bar 21 is preferably tubular, the portions 22 being formed by flattening the tube. Nuts 24 are threaded on to the portions 20 against the flattened portion 22 of the cross bar 21. By unscrewing the nuts 24 the position of the bar 21 may be adjusted so as to accommodate the cross bar to any thickness of wall or window frame from which the balcony is to be supported.

In order to accommodate my device to different widths of window I have provided slidable bar extensions 25 and 26, which extend into the bar 21 and are adjustably secured in position by set screws 27.

When placing my balcony in position all that it is necessary to do is to pass the balcony through the window so that it rests upon the sill 3 and then adjust the nuts 24 so as to accommodate the device to the different thicknesses of window frame, the slidable members 25 and 26 being adjusted to the different widths of window frame before placing the balcony in position.

From this description it will be seen that I have devised a very simple device which may be readily placed in position upon a window sill and secured to the window frame and which, when desired, may be readily removed and collapsed into compact form such as shown in Fig. 2 so that it may be carried under the arm of the user from place to place.

If found desirable the tapered lower ends of the standard 7 may be extended down and provided with notches 7′ and spring fingers 7^2 may be secured to the socket and

provided with projections extending into such notches so as to engage therewith and positively prevent the upward withdrawal of the standard from the socket.

What I claim as my invention is.

A portable balcony comprising a balcony floor divided into two portions hingedly connected together, socket members located at each corner of the flooring and projecting upwardly therefrom, posts removably fitting within the sockets and adapted to carry a suitable surrounding guard, and means extending from the balcony floor through the window to engage the inner face of the frame, the hinged portions of the floor being foldable upon themselves until pairs of the sockets abut each other whereby a casing is formed for the housing of the posts to make a portable package.

AGNES SYDNEY SMITH.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."