

(No Model.)

F. G. MERRITT.
PORTABLE WINDOW BALCONY.

Patented Aug. 27, 1895.

No. 545,242.

Fig. 1.

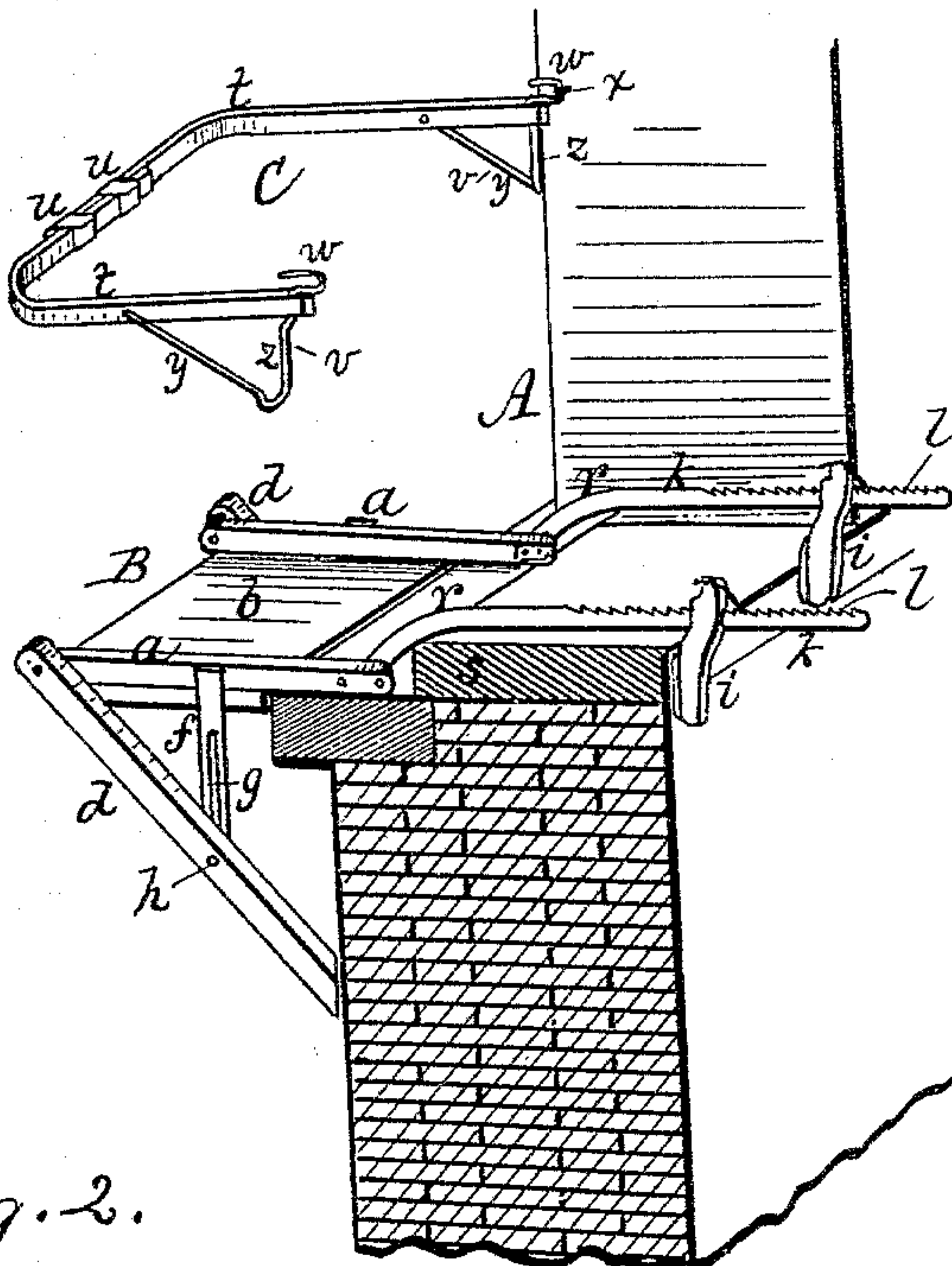


Fig. 2.

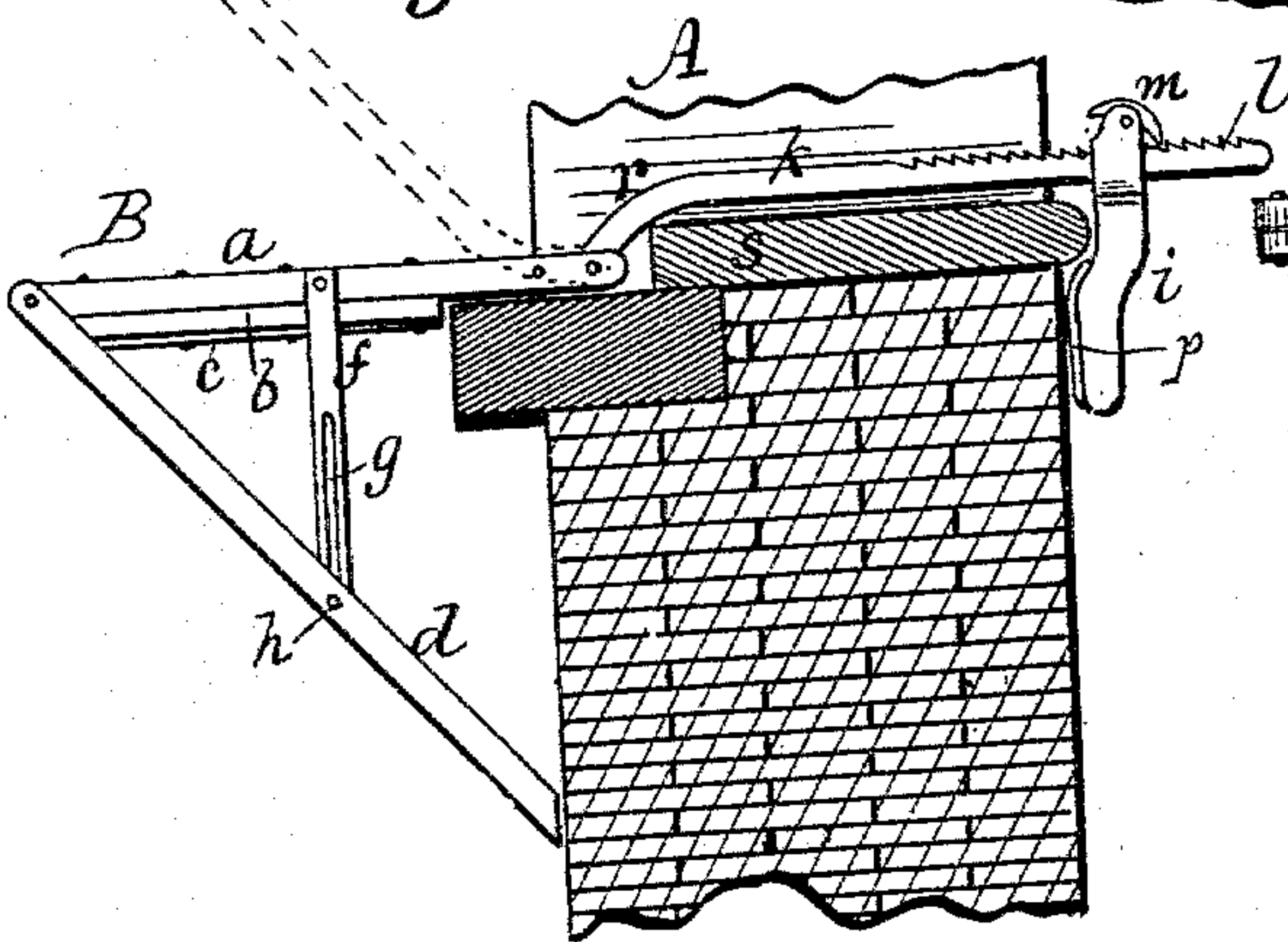


Fig. 3.

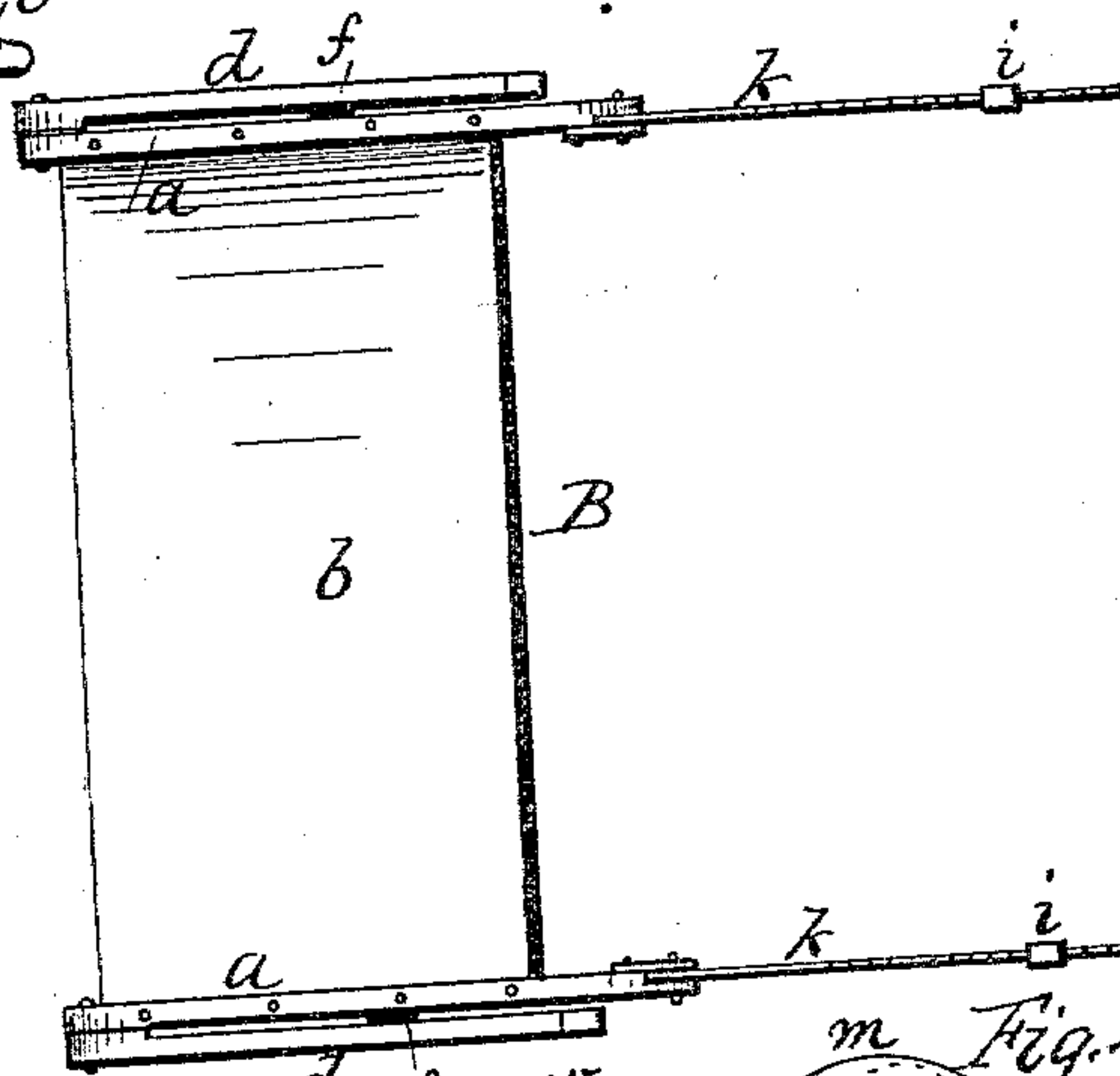
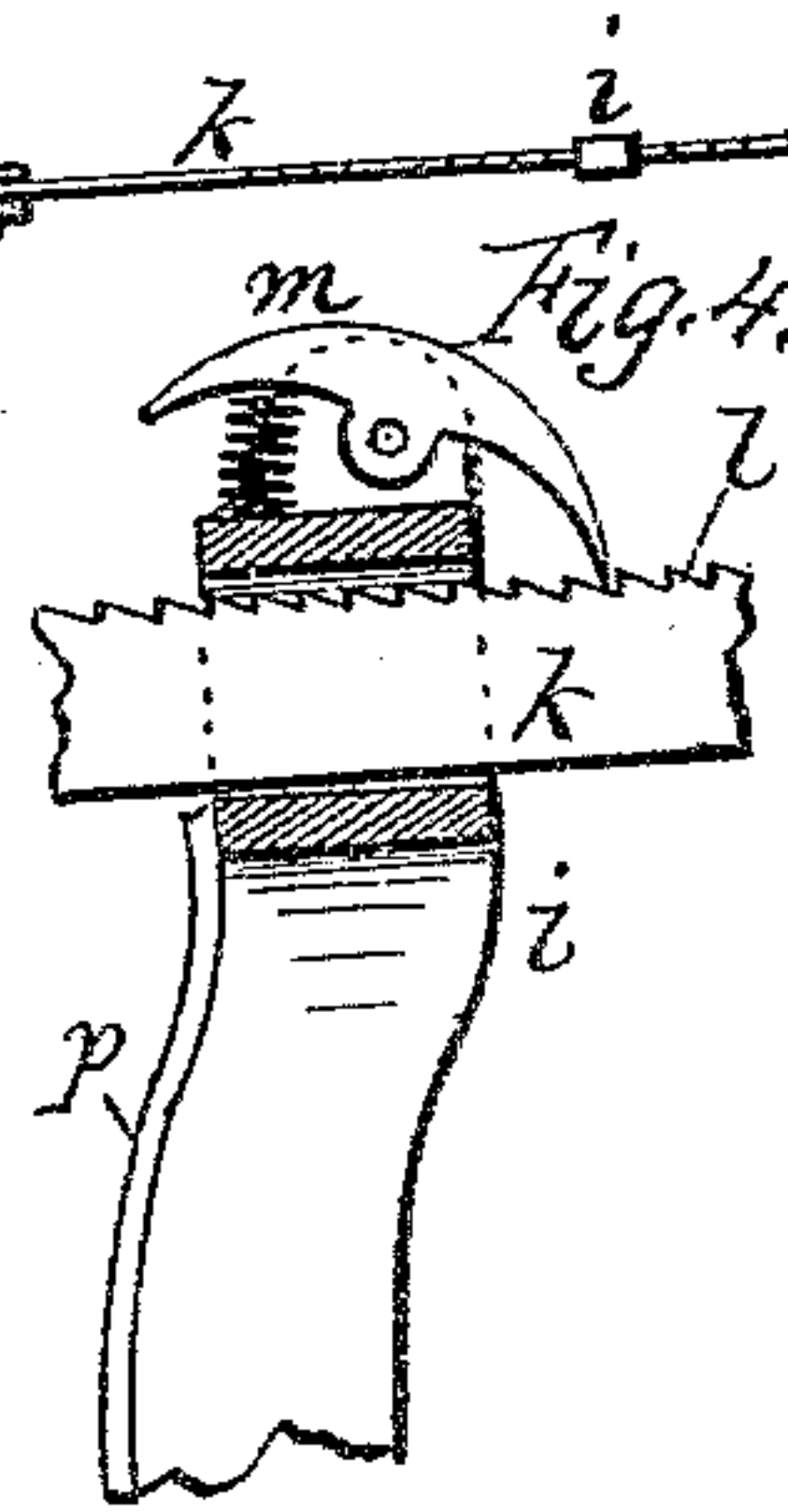
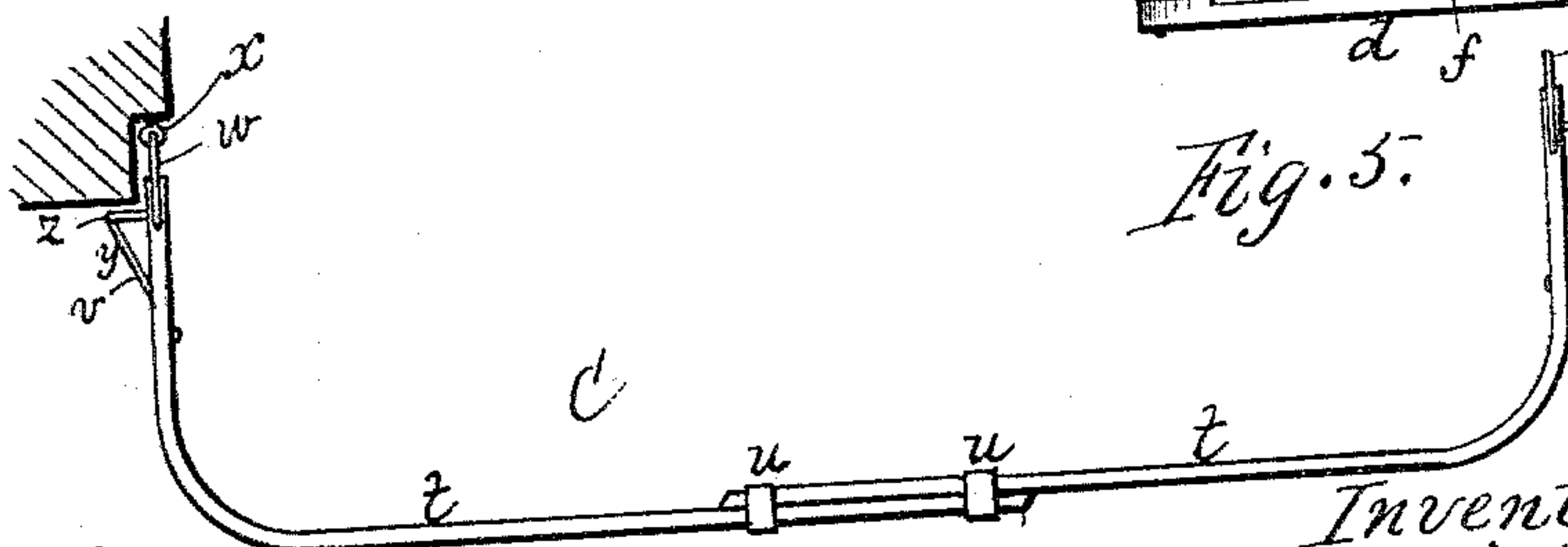


Fig. 5.



Witnesses.
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UNITED STATES PATENT OFFICE.

FURBUSH G. MERRITT, OF BROCKPORT, NEW YORK.

PORTABLE WINDOW-BALCONY.

SPECIFICATION forming part of Letters Patent No. 545,242, dated August 27, 1895.

Application filed December 31, 1894. Serial No. 533,381. (No model.)

To all whom it may concern:

Be it known that I, FURBUSH G. MERRITT, of Brockport, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Portable Window-Balconies; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the drawings accompanying this application.

My improvement relates to portable balconies to facilitate the washing of windows, for painting, repairing, and other purposes.

The invention consists in the combination and arrangement of parts hereinafter described, and embraced in the claims.

In the drawings, Figure 1 is a perspective view of the apparatus attached in a window, the window being shown in section. Fig. 2 is a side elevation of same. Fig. 3 is a plan view of the attachment. Fig. 4 is an enlarged sectional view of the top of one of the sliding clamps. Fig. 5 is a plan view of the guard.

A indicates the lower portion of a window.

B is the balcony. It consists of two side bars *a a*; a platform *b*, bolted thereto on the under side and stiffened by metallic straps *c c*; two angular braces *d d*, pivoted to the outer ends of the side bars and extending down angularly and resting against the wall below the window; two stay-bars or straps *f f* on opposite sides pivoted to the side bars and provided with long slots *g g*, which slide over bolts *h h* of the braces; two draw-bars *k k*, provided with ratchet-teeth *l l*, pivoted to the inner ends of the side bars and extending inward over the sill and casing to the inner side of the window, and two clamps *i i*, sliding on the draw-bars and provided with spring-dogs *m m*, which engage with the ratchets, said clamps sliding up and holding against the inside of the casing to tighten the draw-bars in place. The inner faces of the clamps are curved to fit under the casing and are provided with soft packing-strips *p p*, to prevent marring of the wood. In use, the platform is placed outside the window, with its edge resting against the edge of the sill and with the side bars *a a* resting over the sill. The braces *d d* are dropped down to the extent of the stay-bars *f f* and rest against the wall. The draw-bars *k k* are provided with bends *r r*, which carry them over the riser

of the window and then extend back in straight lengths to the inside of the window, as shown.

C is a guard attached to the window-frame above the platform, serving as a safety device to prevent accidental falling. It consists of two bars *t t*, whose ends are bent in at right angles to meet the casing, the middle lengths overlapping and sliding on each other, so as to lengthen or shorten the guard to fit windows of different widths, and provided with guide-loops *u u*, attached, respectively, to the lengths, whereby the parts are held together. At the ends of the guard which connect with the casing are stays *v v*, each made of a single piece of stiff wire inserted vertically through a hole in the guard, the upper end turned into a long hook *w*, which engages with a screw-eye *x*, inserted in the casing, and the lower end bent downward vertically and extending outward laterally, forming a shoulder *z*, which rests against the side of the casing, and the end *y* then carried upward and backward and riveted through the guard and forming a brace. To connect the guard with the screw-eyes, it is turned up and is then turned downward to the horizontal position, when the shoulders *z* of the stays strike the casing, in which condition it is self-sustaining and serves as a perfect safety-guard to the person standing on the platform. Being made in two parts, which slide on each other, it can be fitted to windows of any width and can be engaged with screw-eyes placed at varying distances from each other.

Window-balconies are well known, but as ordinarily made have complicated means of attachment, in some cases having cross-bars extending across the window inside and out, and in others having clamps operated by screws or similar means.

A special feature of my invention is the draw-bars *k k*, pivoted directly to the side bars or the platform, extending inward across the window-sill, and the sliding clamps *i i* thereon for fastening them to the casing, no other holding attachments being required. This construction greatly facilitates the attachment and removal of the balcony and lessens the number of parts used and enables the structure to be folded up in compact

form when not in use. When folded, the
braces *d d* are turned up in line with the side
bars *a a* and the draw-bars *k k* are swung
around under the platform in close contact
5 therewith, the clamps *i i* standing crosswise,
the whole being in very compact form.

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

10 1. In a window balcony, the combination,
with the platform *b* and sustaining braces *d*
d, of the ratcheted draw bars *k k* pivoted to
the platform and extending through the win-
dow, the clamps *i i* sliding on the draw bars,
15 and the spring dogs *m m* engaging with the
ratchets, as shown and described and for the
purpose specified.

20 2. The portable balcony consisting of the
side-pieces *a a*, the platform *b* the pivoted
braces *d d*, the slotted stays *f f*, the ratcheted
draw bars *k k* pivoted to the side bars, ex-

tending through the window, the clamps *i i*
sliding on the draw bars and the spring dogs
m m engaging with the ratchet teeth, as
shown and described and for the purpose 25
specified.

3. The combination, with the guard *C*, con-
sisting of two parts sliding one upon the
other, of the stays at the ends of the guards,
each consisting of a hook *w* which engages 30
with a screw eye, a shoulder *z* offset to bear
against the casing, and a brace *y* connected
with the guard, as shown and described and
for the purpose specified.

In witness whereof I have hereunto signed 35
my name in the presence of two subscribing
witnesses.

FURBUSH G. MERRITT.

Witnesses:

R. F. OSGOOD,

CHAS. A. WIDENER.