

No. 690,579.

Patented Jan. 7, 1902.

H. S. HOWARD.
WINDOW PLATFORM.

(Application filed Oct. 1, 1901.)

(No Model.)

Fig. 1.

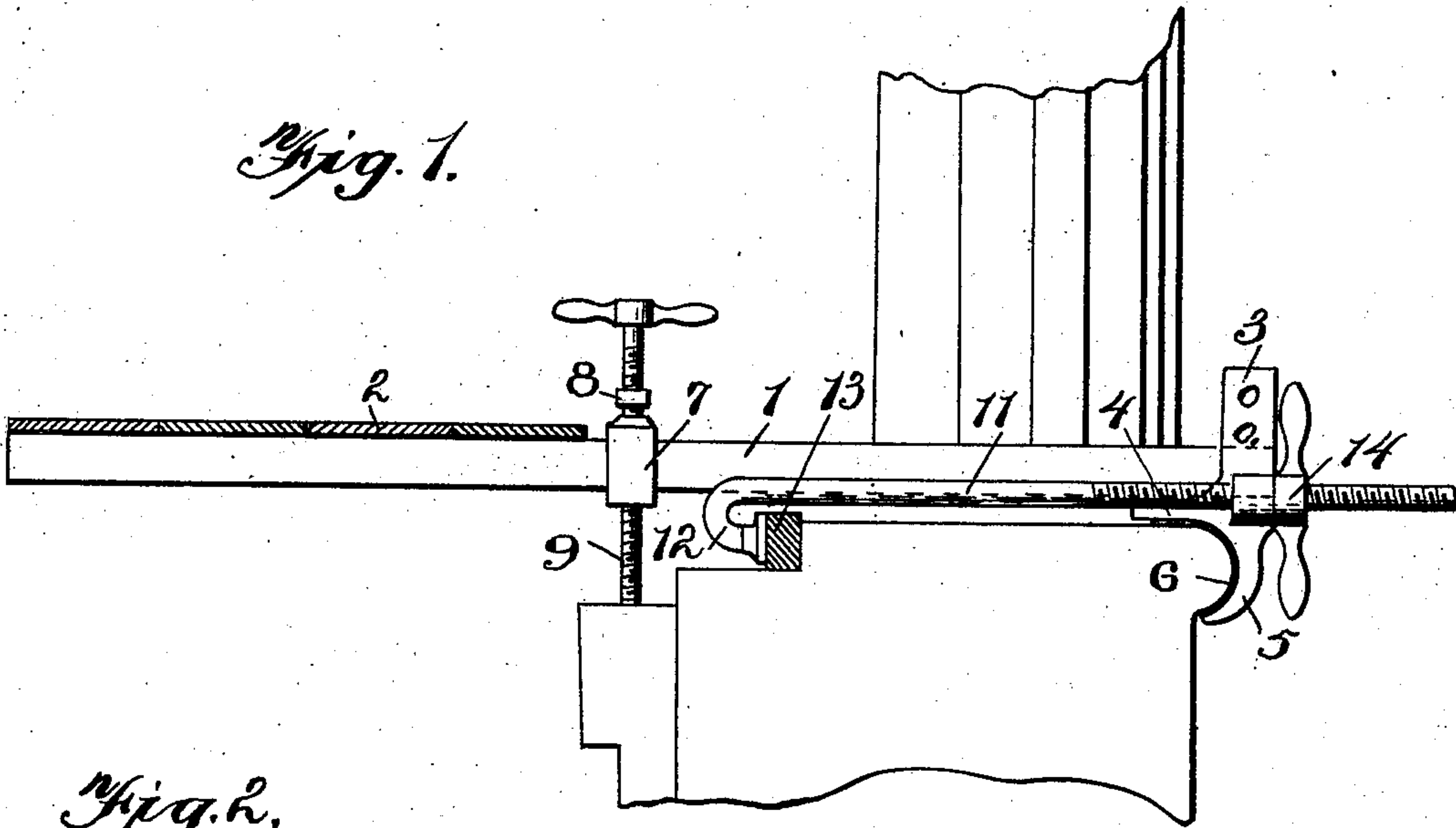


Fig. 2.

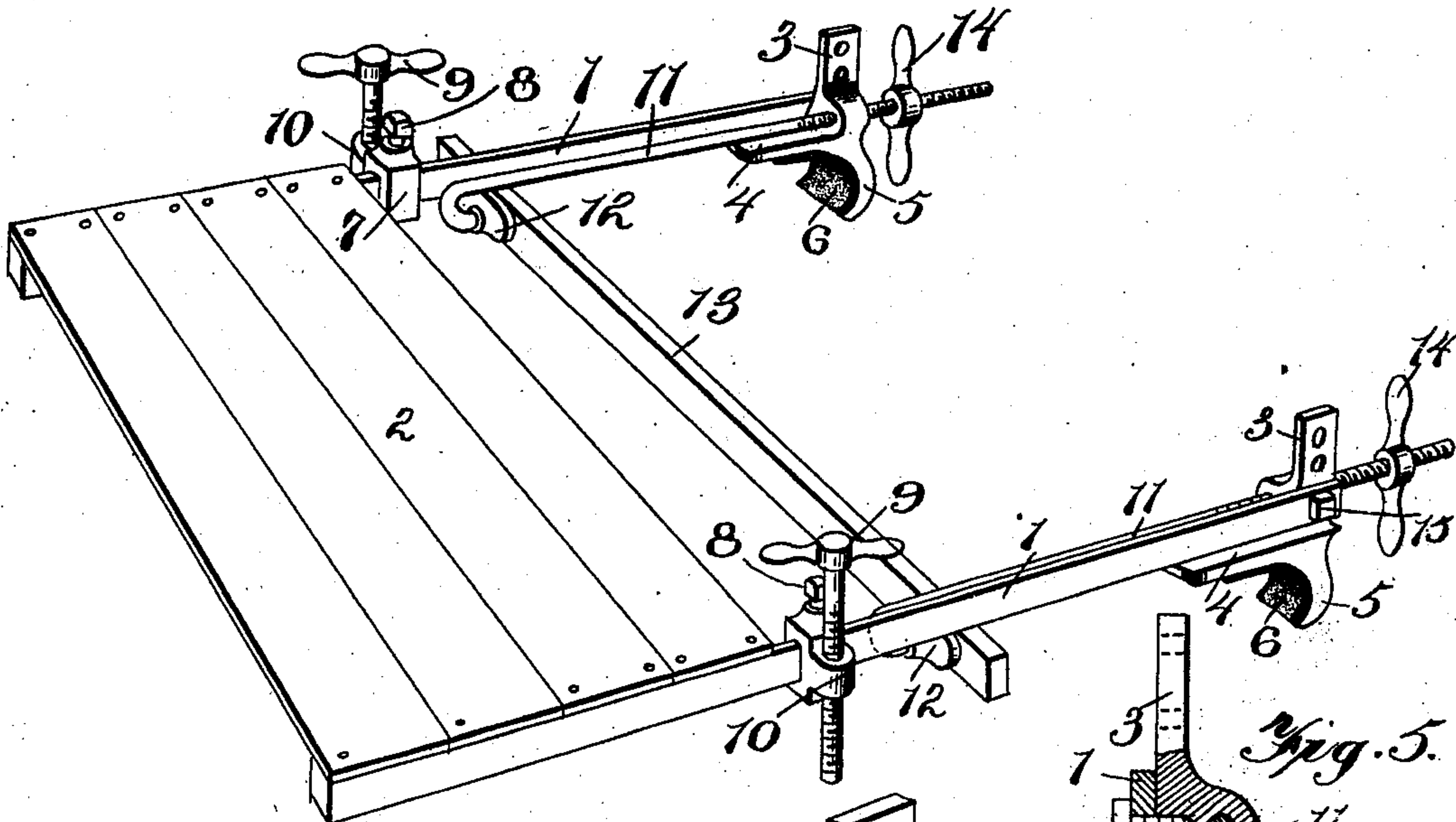


Fig. 3.



Fig. 4.

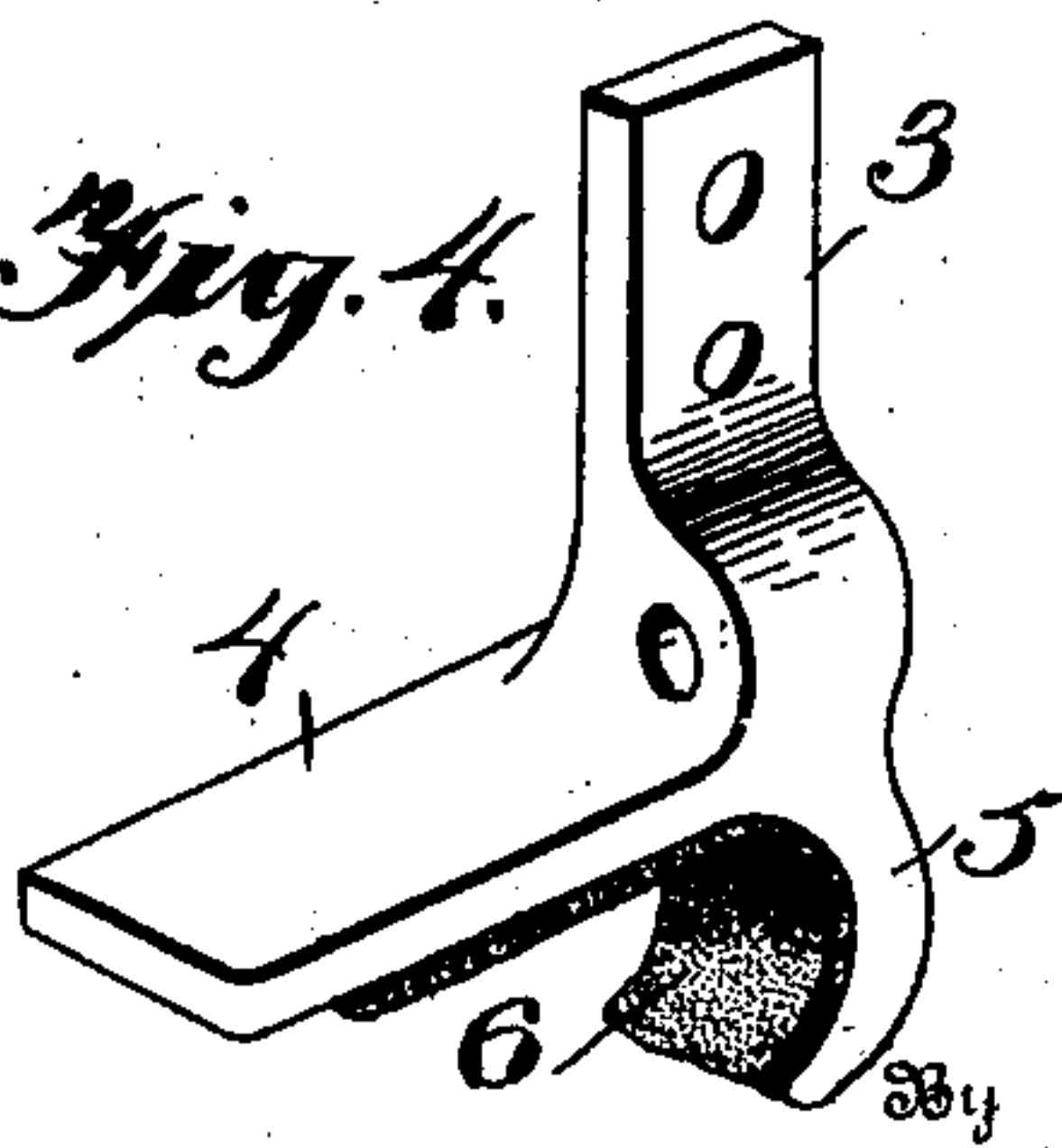
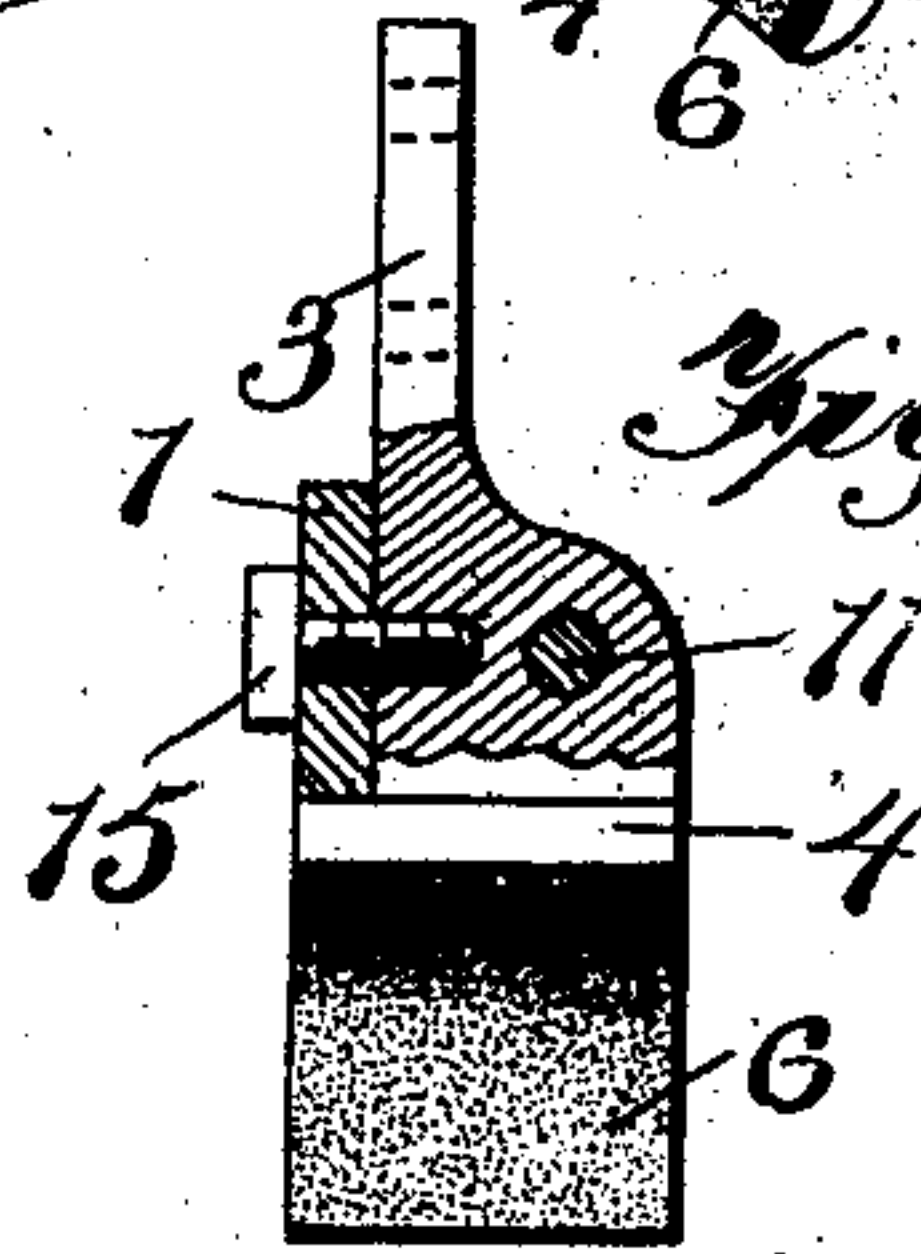


Fig. 5.



Witnesses

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WINDOW-PLATFORM.

SPECIFICATION forming part of Letters Patent No. 690,579, dated January 7, 1902.

Application filed October 1, 1901. Serial No. 77,227. (No model.)

To all whom it may concern:

Be it known that I, HAZEN S. HOWARD, a citizen of the United States, residing at Leominster, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Window-Platforms, of which the following is a specification.

My invention relates to improvements in window-platforms and pertains to a device which can be readily attached to window-sills of different sizes, thus providing a platform which will enable a person to work from the outside of a window with safety for the purpose of painting, glazing, decorating, or cleaning the window, as may be desired.

My invention relates to a construction and combination of parts, all of which will be fully described hereinafter, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a vertical longitudinal sectional view of my invention applied to a window-sill. Fig. 2 is a perspective view. Fig. 3 is a detail sectional view of one of the adjustable supports and clamp. Fig. 4 is an enlarged detail view of the casting for clamping the inside of the sill. Fig. 5 is a transverse sectional view of the casting for clamping the inside of the sill.

Referring now to the drawings, the numeral 1 indicates two parallel arms, to which is rigidly attached a platform 2. The inner ends of the arms 1 are pivotally connected with castings 3 by means of screws or bolts 15, which pass through openings in the ends of the arms and screw into one of a series of openings in the upwardly-extending portion of the castings 3. These castings have outwardly-extending plates 4, adapted to rest on the top of the window-sill, and downwardly-extending hooks 5, which are adapted to clamp the inner face of the window-sill. The face of the hooks or clamps 5 are preferably covered with heavy felt or like material to prevent scarring or rubbing the window-sill.

On each of the arms 1, intermediate the platform 2 and the casting 3, I provide movable sleeves 7, which have screw-threaded openings adapted to receive set-screws 8 for adjusting the sleeves 7. The sleeves 7 are provided with laterally-extending shoulders 10, with threaded openings, through which pass

threaded rods 9, which are provided with cross-head handles for vertically adjusting the platform, as will be presently explained. 55

Passing longitudinally through threaded openings in the castings 3 and between the arms 1 are two rods 11, their outer ends being turned, as clearly illustrated, and provided with bearing-plates 12, which are rigidly attached to a bar 13, which extends below and transverse the arms 1. The free ends of the arms 11 are screw-threaded and are provided with hand-screws 14. 60

In using my invention the hand-screws 14 are released to permit the clamp 5 to engage the inner edge of the sill, the arms 11 and 1 extending out of the window. The hand-screws 14 are then tightened, thus drawing the arms 11 through the openings in the casting 3, when the bar 13 will impinge against the outside of the window-sill and the clamps 5 will be securely locked against the sill, as illustrated in Fig. 1. It will be seen that the platform can be vertically adjusted without releasing the clamping device by means of the supporting-rods 9, which rest on the framework of the window, as clearly illustrated, the sleeves 7 being longitudinally adjustable on the arms 1 by means of the set-screws 8. 75 80

By pivoting the arms 1 in the upper openings of the plates 3 and adjusting the rods 9 to regulate the incline of the platform the arms 1 are elevated above the surface of the window-sill and prevented from rubbing the same, as will be readily understood. 85

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

1. The combination of a window-platform, having inwardly-extending arms, the clamping members 3 having downwardly-disposed hooks 5, the said clamping members being pivotally connected with the arms 1, the rods 11 rigidly connected to the transverse bar 13 and passing through longitudinal openings in the members 3, means for adjusting the hooks 5 and the bar 13, for the purpose of clamping a window-sill, substantially as described. 90 95 100

2. The combination of a window-platform, having inwardly-extending arms, openings in the inner ends of the said arms, bolts or screws 15 adapted to pass through the said openings

and screw into threaded openings in the clamping members 3, the sleeves 7 longitudinally adjustable on the arms 1, and provided with set-screws 8 for locking the sleeves, laterally-disposed shoulders 10 integral with the sleeves 7, the screw-threaded supporting-rods 9 passing through vertical threaded openings in the shoulders 10, the said rods adapted to support the platform and regulate the incline of the same, substantially as described.

3. The combination of a window-platform, having inwardly-extending arms, vertically-adjustable supporting-rods carried thereby, the clamping members 3, having upwardly-extending portions and a series of transverse threaded openings, adapted to receive the screw 15 for pivoting the arms 1 at different distances above the window-sill, the downwardly-disposed hooks 5 provided with felt coverings, the longitudinal openings through the members 3, for receiving the rods 11, the said rods being connected at one end to the transverse bar 13, their free ends adapted to

receive screw-handles 14, substantially as described.

4. The combination of a window-platform, having inwardly - extending arms, the vertical adjusting-rods 9 carried thereby the clamping members 3, having downwardly-disposed hooks 5, the said clamping members 3 being pivotally connected with the arms 1 at their inner ends, the rods 11 passing through longitudinal openings in the castings 3, their free ends being screw-threaded for receiving the hand-screws 14, the opposite ends of the rods being turned inward and connected with the bearing-plates 12, the transverse bar 13, rigidly connected with the plates 12 and adapted to clamp the outer edge of the window, substantially as described.

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

HAZEN S. HOWARD.

Witnesses:

AUSTIN W. BOOTH,
ROBERT L. CARTER.