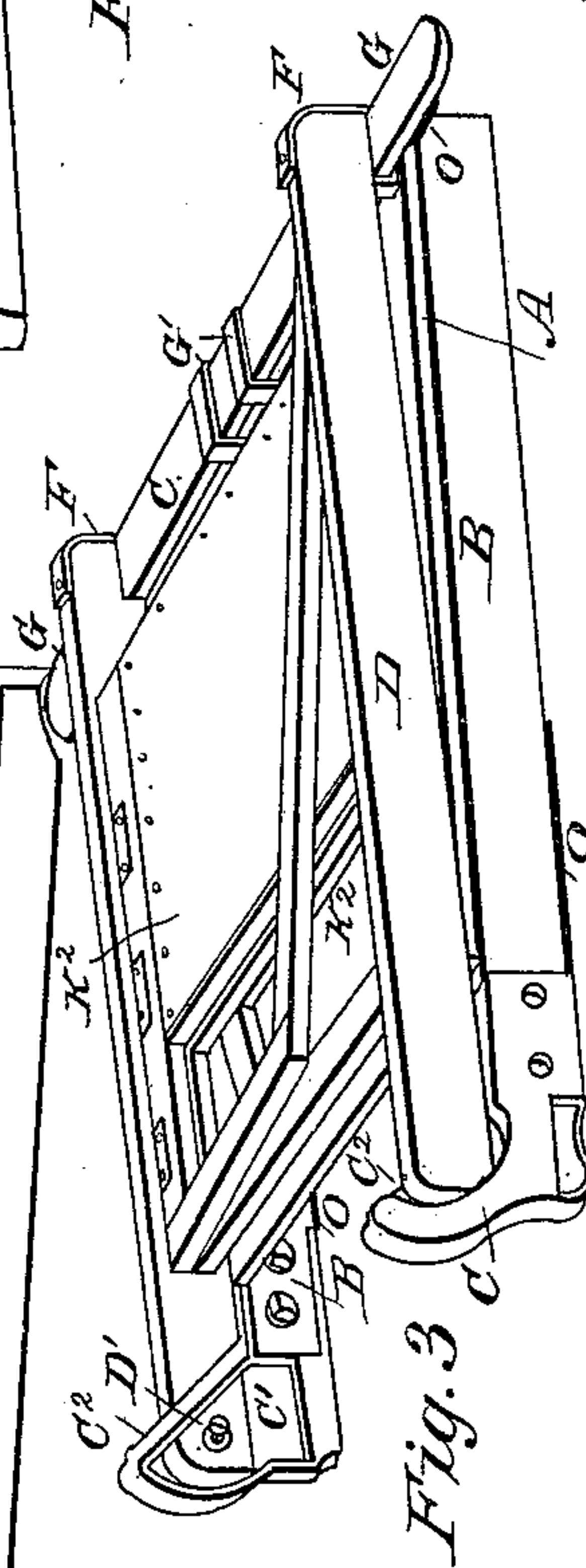
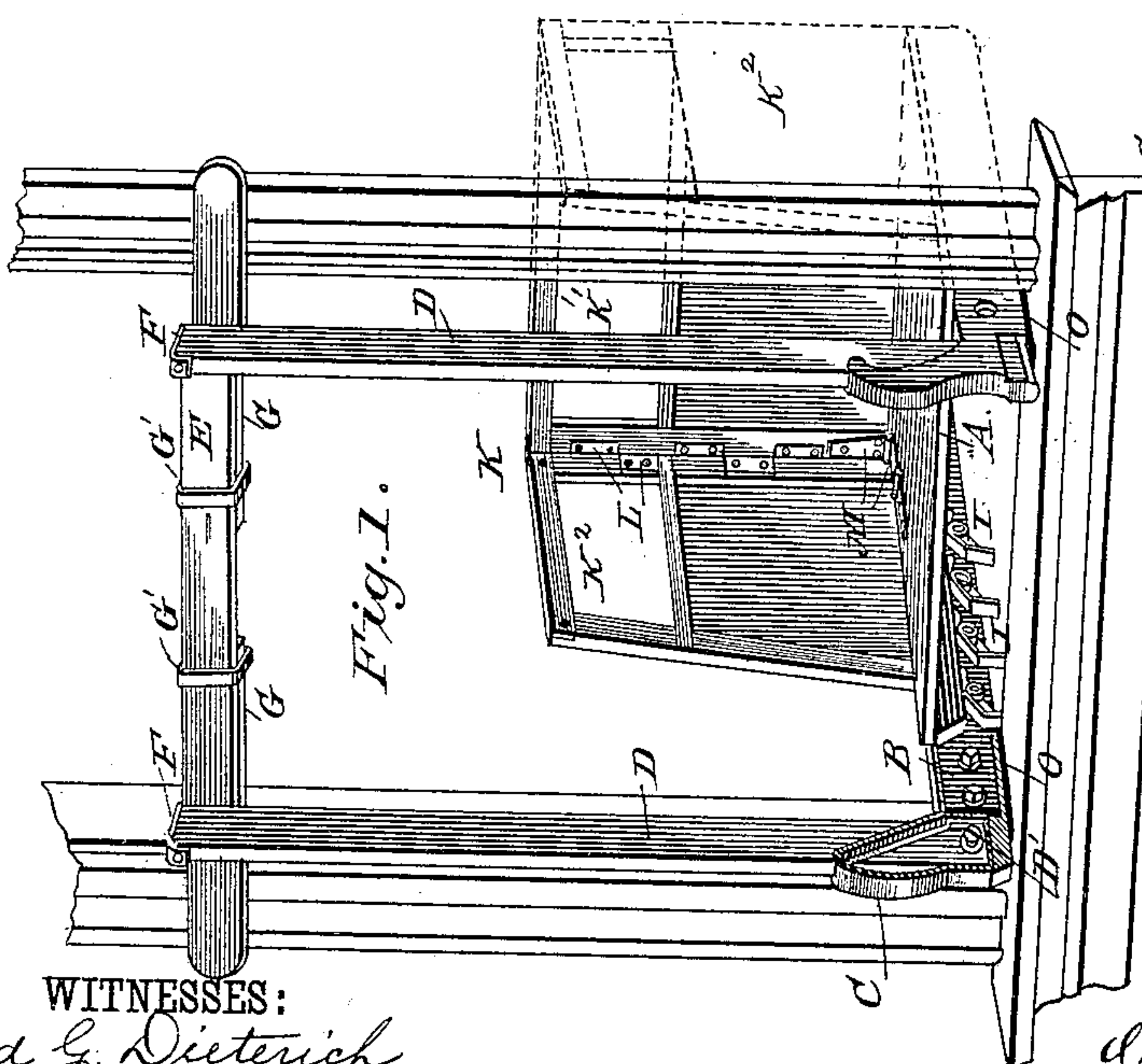
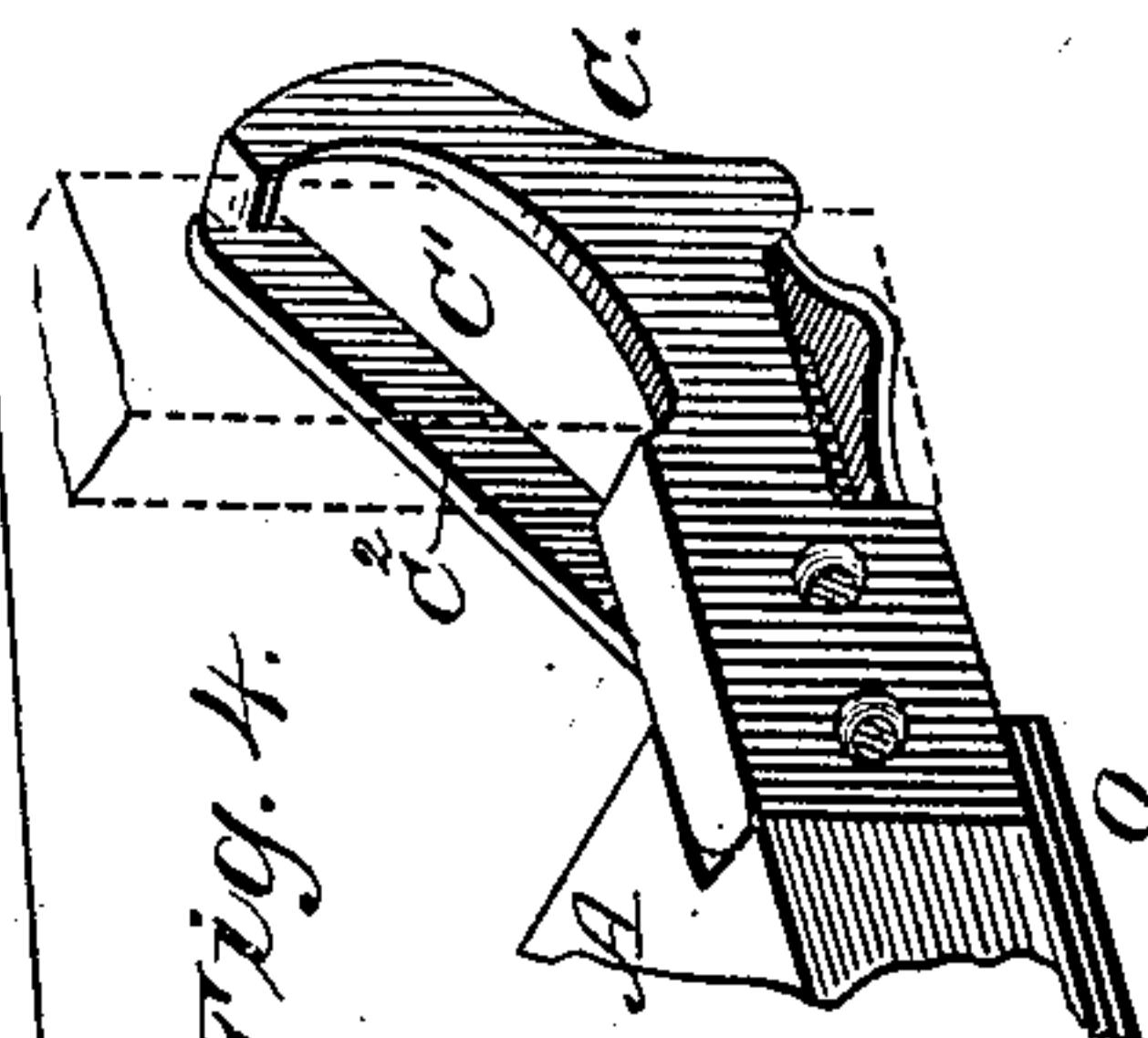
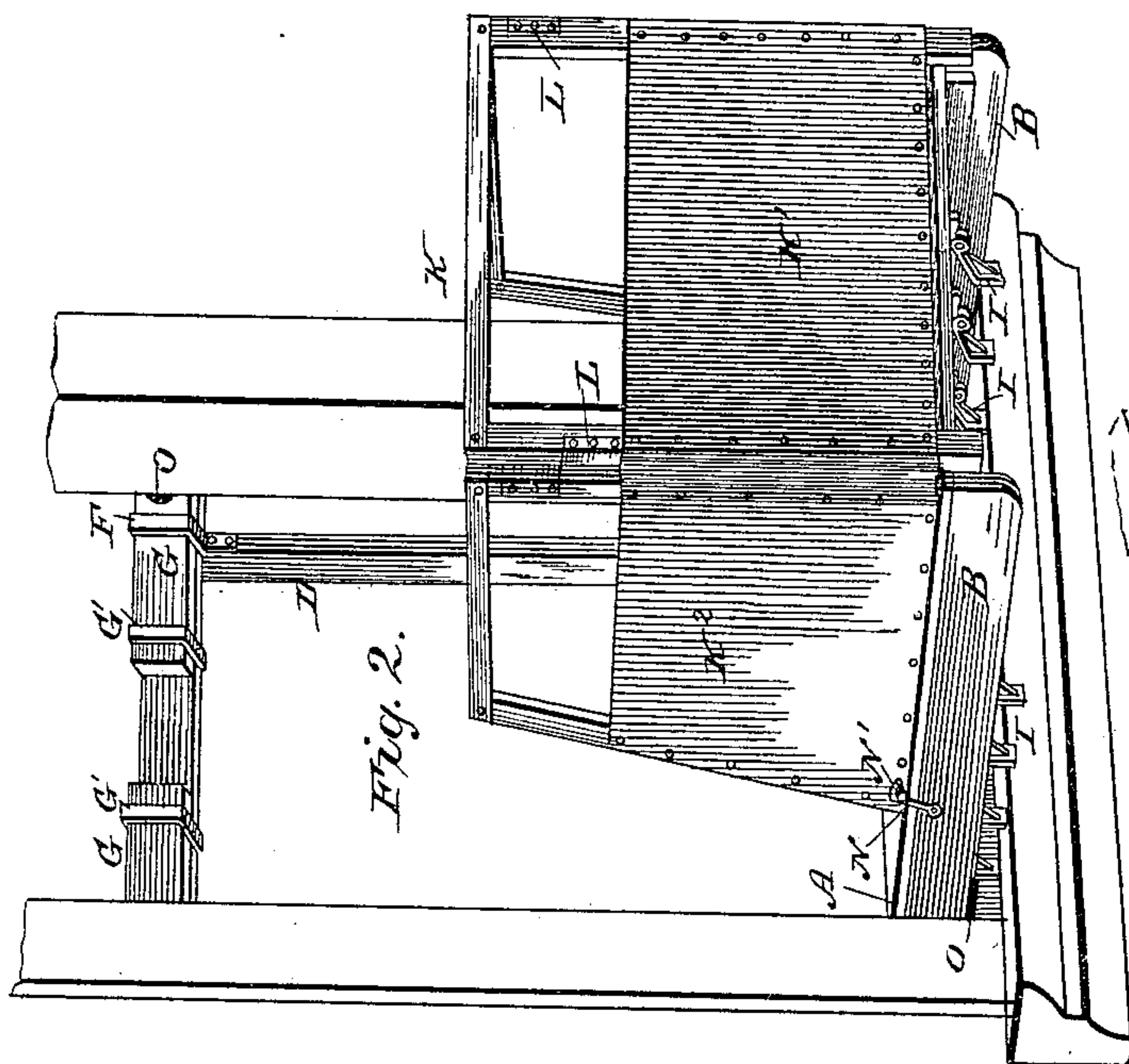


(No Model.)

G. D. HUSEMANN.  
ADJUSTABLE BALCONY.

No. 353,634.

Patented Nov. 30, 1886.



WITNESSES:  
*Fred G. Dieterich*  
*John A. Kemon*

INVENTOR:  
*G. D. Husemann*  
BY *Munn & Co*

ATTORNEYS.



# UNITED STATES PATENT OFFICE.

GOTTLIEB D. HUSEMANN, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF  
TO CHARLES KROENINGER, OF SAME PLACE.

## ADJUSTABLE BALCONY.

SPECIFICATION forming part of Letters Patent No. 353,634, dated November 30, 1886.

Application filed August 3, 1886. Serial No. 209,911. (No model.)

*To all whom it may concern:*

Be it known that I, GOTTLIEB D. HUSEMANN, of St. Louis and State of Missouri, have invented a new and useful Improvement in Adjustable Balconies, of which the following is a specification.

My invention consists in an improved adjustable folding balcony, which is particularly designed for use in washing the outside of windows, especially those in upper stories, and which is light, compact, and strong in construction, and which can readily be secured in its operative position in any window of any story, and as readily removed and folded away in a small space, for storage, or adjusted in another window.

My invention will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view from the inner side of the window, showing the balcony adjusted thereto in its operative position. Fig. 2 is a perspective view from the outer side of the window. Fig. 3 is a perspective view showing the adjustable balcony folded, and Fig. 4 is a detail view of one of the shoes or metal end pieces of the side pieces of the platform, hereinafter described.

The same letters of reference indicate corresponding parts in all the figures.

Referring to the several parts by letter, A indicates the floor or platform of my adjustable folding window-balcony, which is secured upon and supported by the parallel rails or side pieces, B B, the inner ends of which are secured in the castings or shoes C C, the inner portions of these castings forming vertical sockets C' C', for the reception of the lower ends of the uprights D D, which are rigidly connected at their upper ends by the cross-piece E; and the vertical sockets in the castings C are of such a shape that when the lower ends of the uprights D are placed therein it is impossible for the uprights to be forced back out of a vertical line standing at right angles with the side pieces, B, as shown. When the balcony is removed from the window and it is desired to fold it together, the uprights D may be readily folded forward and down into the position shown in Fig. 3 of the drawings, their

lower ends moving up in the castings to permit of this folding together, and being prevented from coming out of the castings by the stops D', which engage with the lower inclined sides of the inclined braces C<sup>2</sup> on the inner sides of the castings.

The upper ends of the uprights are provided with the metal guide bands or loops F F, in which slide the adjustable arms G G, which are preferably of the same size as the cross piece E of the uprights, and have at their inner ends the loops G', which encircle the said cross-piece and slide thereon, the metal loops F and G' securely holding the arms G in their operative positions, and at the same time admitting of their ready adjustment to suit the width of the window in which the balcony is being secured.

To the inner side of each side piece, B B, is pivoted a series of stops or dogs, I I, which are pivoted near their centers, so that their lower ends will normally hang by their own weight below the level of the lower edges of the side pieces, B B, as clearly shown, so that when the balcony is secured in position in a window the lower end of one dog on each side piece will bear against the outer edge of the window-sill, and thus prevent the balcony from being accidentally pushed in the window, which would destroy the level of the platform A, and most probably precipitate the occupant of the platform to the ground. By having the series of dogs arranged one behind the other, as shown, two of the dogs will be certain to automatically engage with the outer edge of the window-sill, no matter what the width of the latter may be.

For the purposes of safety, and also to shield the lower limbs of the occupant (when a woman) from observation, the platform is provided with the fence or guard K, consisting of the main portion K' and the wings K<sup>2</sup> K<sup>2</sup>, the lower two thirds of these parts of the guard being preferably covered with canvas, as shown. The wings K<sup>2</sup> are hinged at their rear edges to the sides of the main part K' of the guard by the hinges L, which, as shown, are fastened alternately at one end to the inner side of the edge of the wing and at the other end to the outer side of the side of the part K', and vice



versa, as shown, the object of this arrangement being to permit of either wing being folded around flat against either the outer or the inner side of the main part K' of the guard, one wing 5 being folded on the inside and the other on the outside of the part K' when folding the balcony together. The hinges L may be made of canvas, leather, or other suitable material, as I do not wish to confine myself to their pre- 10 cise material or construction. The main part K' of the guard is hinged near its lower edge to the platform A by means of the double hinges M, which permit of one of the wings K<sup>2</sup> fitting in between the said main part and the 15 upper surface of the platform when the part K' is folded in and down in folding the balcony. The wings are secured in their open operative positions by the hooks N, engaging with the pins N', as shown.

20 The lower edges of the inner portions of the side pieces, B B, which bear upon the window-sill, and the inner faces of the arms G, which bear against the window-frame, may be respectively provided with the rubber or other 25 elastic cushions O, which prevent those parts of the balcony from marking the window sill or frame.

In placing the balcony in position in a window the uprights D are raised into their vertical position, and the arms G adjusted so as 30 to overlap sufficiently and firmly the inner sides of the window-frame, the inner portions of the side pieces, B, resting upon the window-sill and the dogs I I bearing against the 35 outer edge of the window-sill, no matter what the width of the latter may be, and it will thus be seen that the balcony is securely locked in its operative position, without the possibility of slipping in any way, thus insuring perfect 40 safety. The guard is unfolded into its open position, and the wings secured by the hooks N engaging with the pins N', the lower ends of the side pieces of the main part K' of the guard extending down below the rear edge of 45 the platform, and thus assisting in bracing the said part when unfolded. To fold the balcony together for storage or transportation from place to place, the hooks N are freed from the pins N', and one of the wings folded in against 50 the inner side of the main part K', while the other wing is folded against the outer side of the said part, and the whole is then folded down on the platform. The frame, composed of the uprights and connecting cross-piece, is 55 then folded down on the platform, the adjustable arms being pushed in until their inner ends meet, and the frame when folded down

fits around the folded guard, as shown in Fig. 3, the balcony when folded in this manner being in a small compact shape, which occupies 60 but little space, and can be readily carried from one room to another, or from place to place.

By removing the guard, and securing the balcony in a window with the uprights and 65 adjustable arms on the outside of the window-frame and the platform extending within the room, the platform may be used as a table for various purposes.

Having thus described my invention, what I 70 claim, and desire to secure by Letters Patent, is—

1. The combination, with the side pieces having the series of centrally-pivoted dogs and the platform, of the end castings, the uprights 75 having the stops at their lower ends and connected at their upper ends by the cross-piece, and having the loops at their upper ends, and the adjustable arms having the end loops, as and for the purpose herein set forth. 80

2. The combination, with the side pieces having the series of centrally-pivoted dogs and the platform, of the end castings, the uprights 85 having the stops at their lower ends and connected at their upper ends by the cross-piece, and having the loops at their upper ends, the adjustable arms having the end loops, and the folding guard composed of the main part connected by the double hinges to the platform, 90 and having the lower ends of its side pieces extended below the platform, the wings hinged, as described, to the said part, and the hooks for securing the wings in their open positions, all substantially as and for the purpose herein 95 set forth.

3. The combination, with the side pieces having the series of centrally-pivoted dogs, the platform, and the cushions secured on 100 their lower inner edges, of the end castings, the uprights having the stops at their lower ends, and connected at their upper ends by the cross-piece, and having the loops at their upper ends, and the adjustable arms having the end loops, and having the cushions secured to their operative faces, substantially as and 105 for the purpose herein set forth.

The above specification of my invention signed by me in the presence of two subscribing witnesses.

GOTTLIEB D. HUSEMANN.

Witnesses:

CHAS. A. PETTIT,  
 SOLON C. KEMON.