

No. 734,575.

PATENTED JULY 28, 1903.

R. KRUBETKE.
SHUTTER FASTENER.

APPLICATION FILED MAR. 30, 1903.

NO MODEL.

FIG. 1.

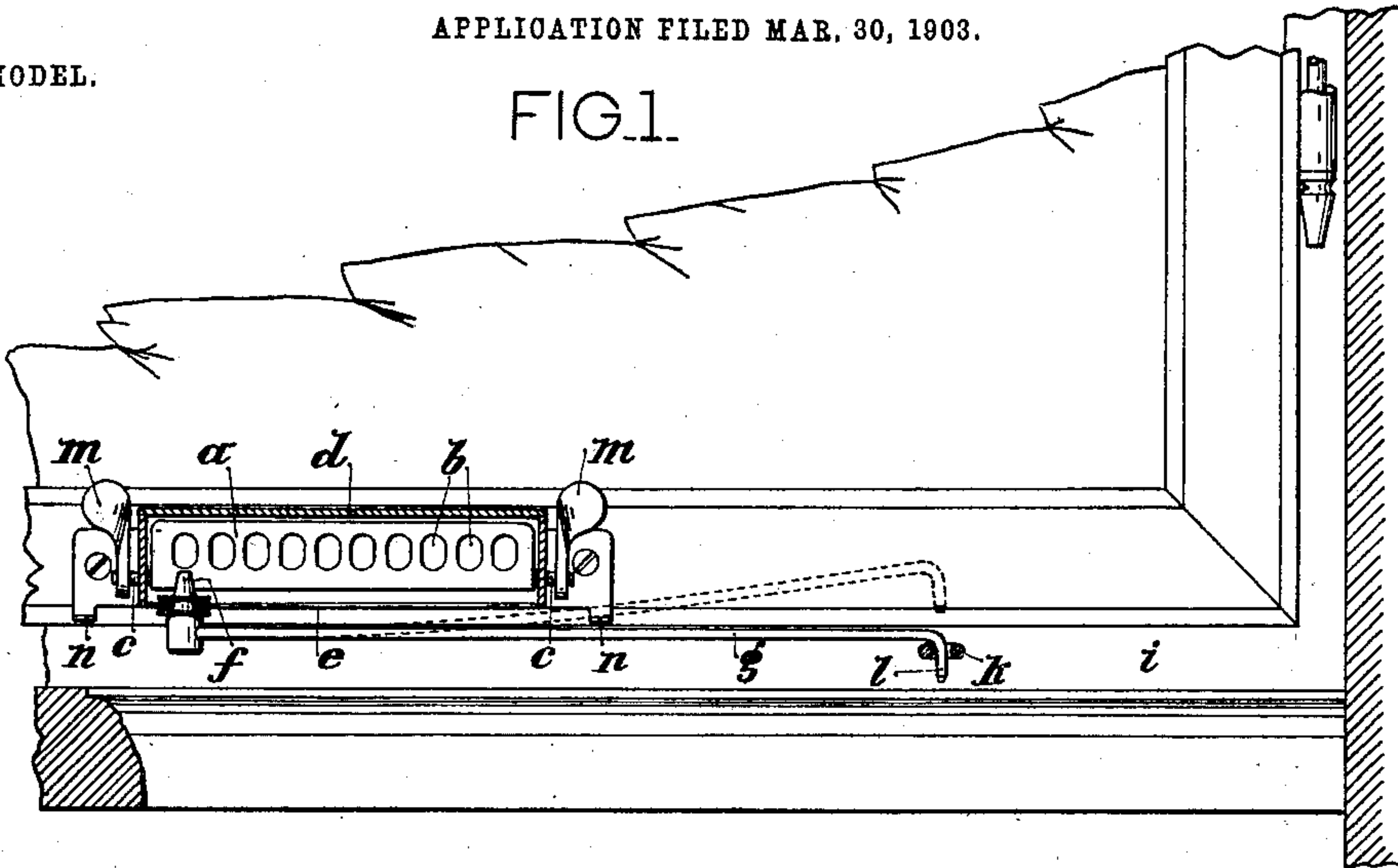


FIG. 2.

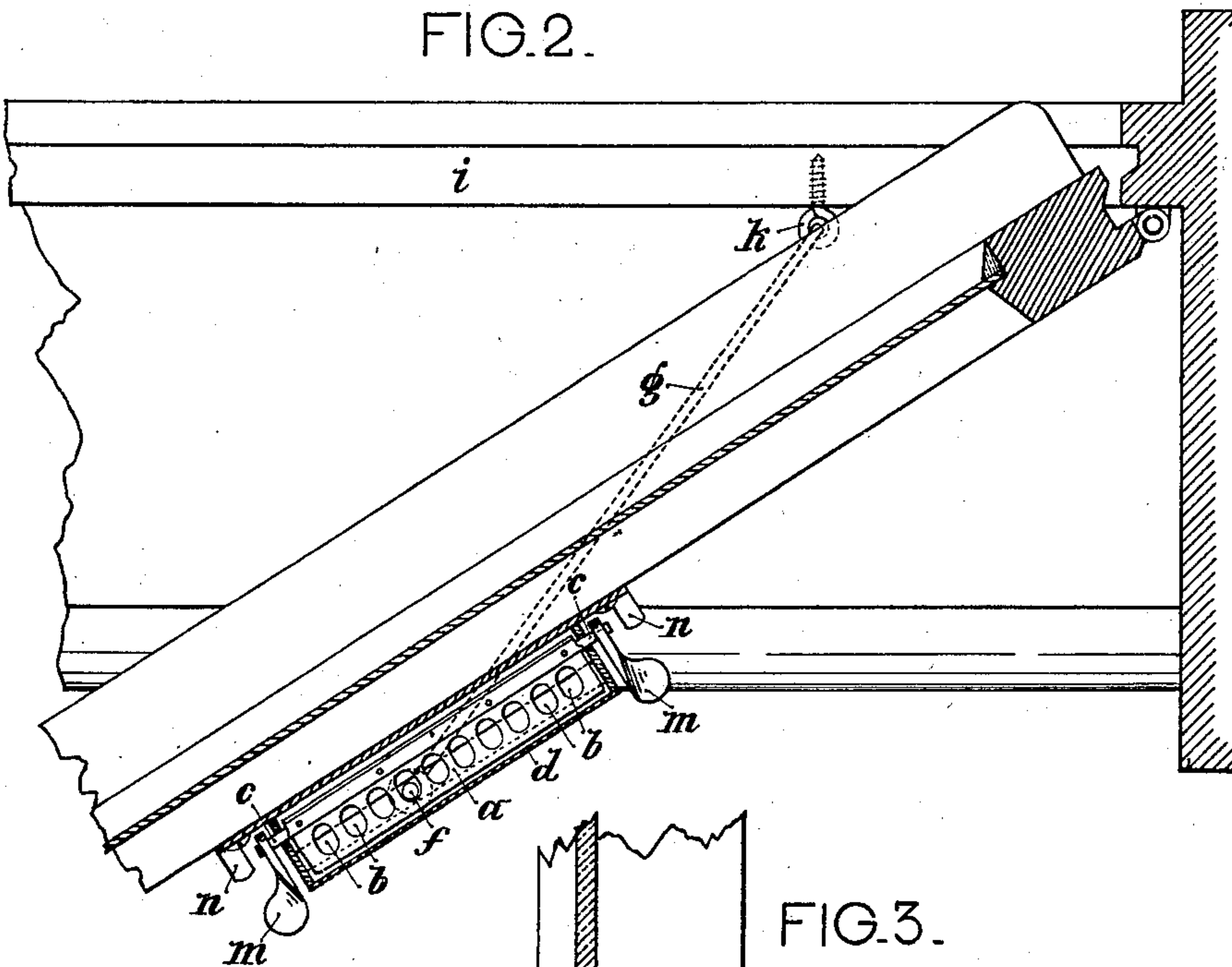
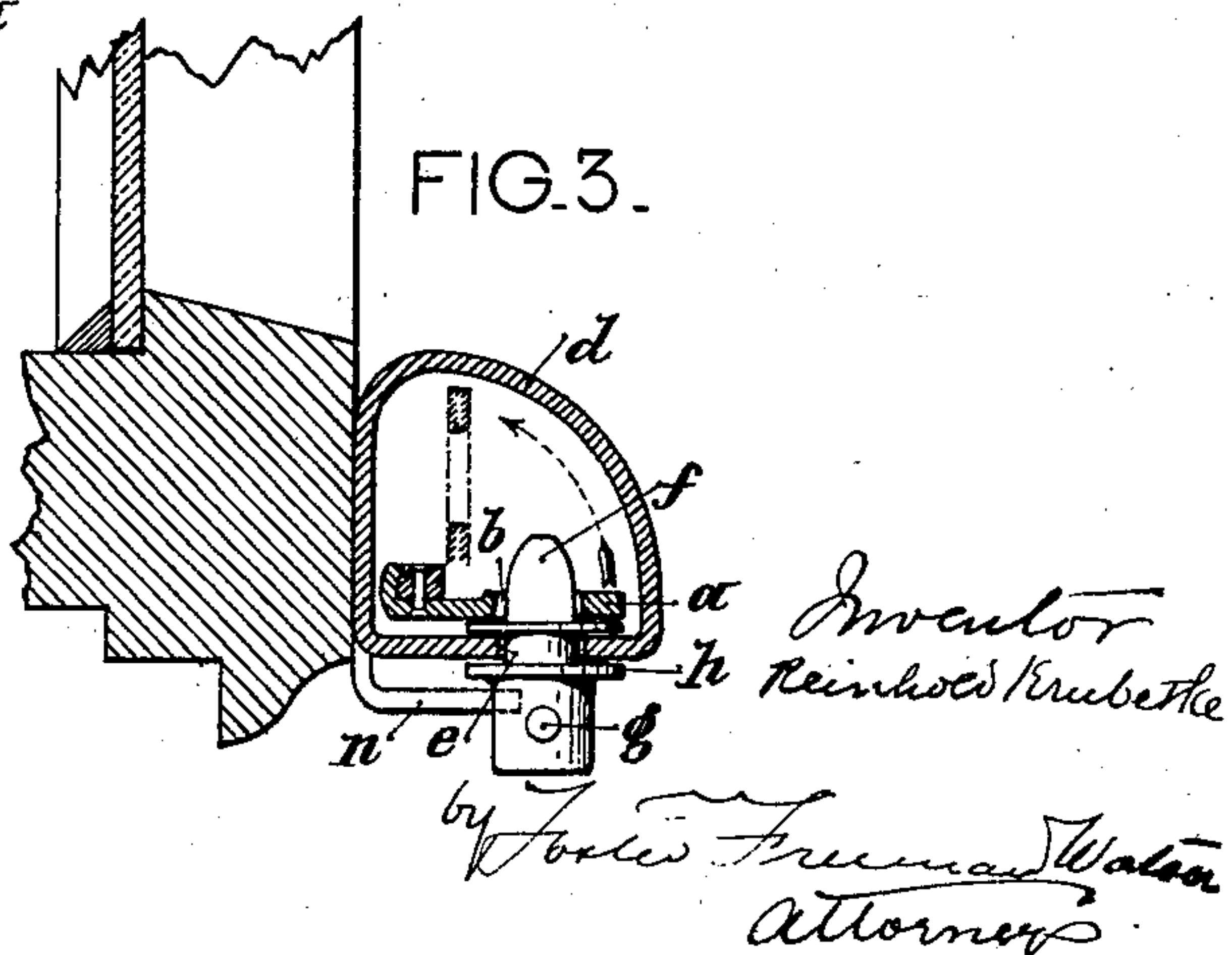


FIG. 3.



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UNITED STATES PATENT OFFICE.

REINHOLD KRUBETKE, OF TEGEL, GERMANY.

SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 734,575, dated July 28, 1903.

Application filed March 30, 1903. Serial No. 150,256. (No model.)

To all whom it may concern:

Be it known that I, REINHOLD KRUBETKE, locksmith, a subject of the German Emperor, and a resident of Tegel, near Berlin, Kingdom of Prussia, Empire of Germany, have invented new and useful Improvements in Casement or Shutter Fasteners, of which the following is a specification.

This invention relates to a new or improved device for holding casement and similar windows in various opened positions. The said device comprises a pivoted plate attached to the casement and provided with a row of holes. The said holes are adapted to engage a pin which is adapted to slide along the bottom of the casement-frame and has connected to it a bar, the other end of which is pivotally fixed to the window-frame, elbow-board, or the like. The connection of the said bar with the fixed window-frame or the like can be made detachable, for instance, by forming the said connection by means of a hook at the end of the bar, so that if the device is so constructed as to only allow of opening the window to a moderate extent while the bar is fastened the bar can be detached in order to open the window to its full extent or to remove the casement from the frame.

One form of the device is shown in the annexed drawings, in which—

Figure 1 is a vertical longitudinal section thereof, showing the device in connection with a closed window. Fig. 2 is a horizontal section of the device in connection with a partly-open window, and Fig. 3 a cross-section of the device.

The plate *a* with the row of holes *b* is pivoted at *c c* in a box or casing *d*, fixed to the casement. The latter has in its under part a slot *e*, which serves as a guide for the pin *f*, which is fixed to the bar *g*. To prevent the removal of the said pin from the slot *e*, the pin is provided with two collars or flanges *h*. The free end of the bar *g* is pivoted to the window-frame *i*, for instance, by means of a bail or eye formed at the said end of the bar and an eye *k*, screwed to the window-frame *i* or the like. In the form of the device illustrated the said end of the bar forms, however, a hook *l*, which engages the eye *k*, so that the bar can be easily disconnected from

the window-frame *i* if it is desired to open the window to a greater extent than the length of the undetached bar will allow or to remove the casement from the frame. When the window is closed and while it is being opened and closed, the plate *a* is in the vertical position shown in Fig. 1. In order to fix the window in one of the partly-open positions which are provided for by the position and number of the holes *b*, the plate *a* is rotated by means of the short levers or thumb-pieces *m* into the position shown in solid lines in Figs. 2 and 3, so that the preferably tapering or pointed pin *f* will be engaged by that hole *b* which corresponds to the position of the casement which the latter occupies at the moment the plate *a* was turned down. The example of the device illustrated shows that the limits within which the window can be fixed in an open or partly-open position are solely determined by the length of the plate *a* and the number of holes *b* which can be provided side by side in the said plate.

In the divide illustrated the casing *d* is provided with a support *n* for the bar *g*, adapted to support the latter when the hook *l* is disengaged from the eye *k*. The bar *g* must in this case be sufficiently flexible to allow of its being moved into the said support in the manner indicated by dotted lines in Fig. 1, and for this purpose the pin *f* is preferably allowed a certain amount of play in the slot.

In order that the same device can be used with either wing of the casement, two supports *n* are preferably provided and also two levers *m*, as shown in the drawings.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. A device for holding casement and similar windows in various opened positions, comprising a plate horizontally pivoted to the casement, a series of holes in such plate, the holes being arranged in a row substantially parallel to the casement, a guide-piece securely connected to the casement and arranged below said pivoted plate, a pin slidably supported by said guide-piece and so shaped and arranged as to engage one of the holes of said plate, when the latter is turned into horizontal position, and a bar, connected at one end

to said pin, and having its other end rotatably connected to the fixed window-frame, substantially as set forth.

2. A device for holding casement and similar windows in various opened positions, comprising a plate horizontally pivoted to the casement, a series of holes in such plate, such holes being arranged in a row substantially parallel to the casement, a thumb-piece, securely connected to said plate, a guide-piece rigidly connected to the casement and arranged below said pivoted plate, a pin slidably supported by said guide-piece and so shaped and arranged as to engage one of the holes of said plate, when the latter is turned into horizontal position, and a bar, connected at one end to said pin, and having its other end rotatably connected to the fixed window-frame, substantially as set forth.

3. A device for holding casement and similar windows in various opened positions, comprising a plate horizontally pivoted to the casement, a series of holes in such plate, such holes being arranged in a row, substantially parallel to the casement, a slotted guide-piece, securely connected to the casement and arranged below said pivoted plate, a pin, extending through and movable longitudinally of said slot, collars engaging said pin and maintaining it in said slot, said pin being so shaped and arranged as to engage one of the holes of said plate, when the latter is turned into horizontal position, and a bar, having one end connected to said pin, and its other end rotatably connected to the fixed window-frame, substantially as set forth.

4. A device for holding casement and similar windows in various opened positions, comprising a plate horizontally pivoted to the casement, a series of holes in such plate, the holes being arranged in a row substantially parallel to the casement, a guide-piece securely connected to the casement and ar-

anged below said pivoted plate, a pin slidably supported by said guide-piece and so shaped and arranged as to engage one of the holes of said plate, when the latter is turned into horizontal position, a bar, having one end connected to said pin, and its other end rotatably and detachably connected to the fixed window-frame, and a support horizontally projecting from the casement, such support being so arranged, as to hold the bar out of engagement, with the window-frame, substantially as set forth.

5. A device for holding casement and similar windows in various opened positions, comprising a plate horizontally pivoted to the casement, a series of holes in such plate, the holes being arranged in a row substantially parallel to the casement, a thumb-piece, securely connected to said plate, a slotted guide, rigidly connected to the casement and arranged below said pivoted plate, a pin extending through the slot in said guide, and movable longitudinally thereof, collars engaging said pin and maintaining it in proper position relative to said guide, said pin being so shaped and arranged, as to engage one of the holes of said plate, when the latter is turned into horizontal position, a bar having one end connected to said pin and its other end formed into a hook adapted to engage an eye securely connected to the window-frame, and a support horizontally projecting from the casement, said support being so arranged, as to support the hooked end of the bar when it is disengaged from the said eye on the window-frame, substantially as set forth.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

REINHOLD KRUBETKE.

Witnesses:

HENRY HASPER,
WOLDEMAR HAUPT.