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H. GREENFIELD.
HANGER FOR SCREEN AND STORM SASHES.
APPLICATION FILED JULY 19, 1915.

1,154,920.

Patented Sept. 28, 1915.

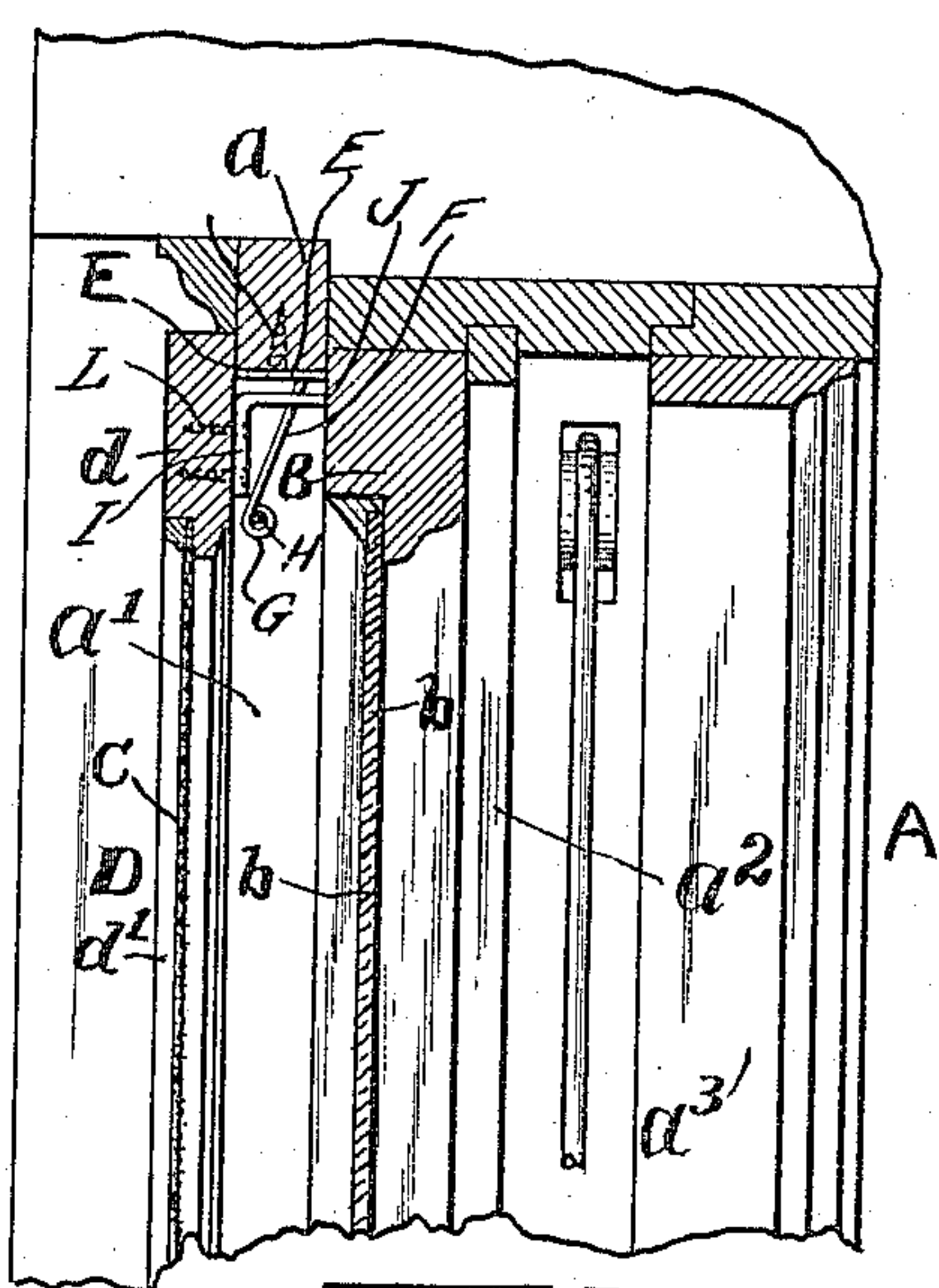


FIG. 2.

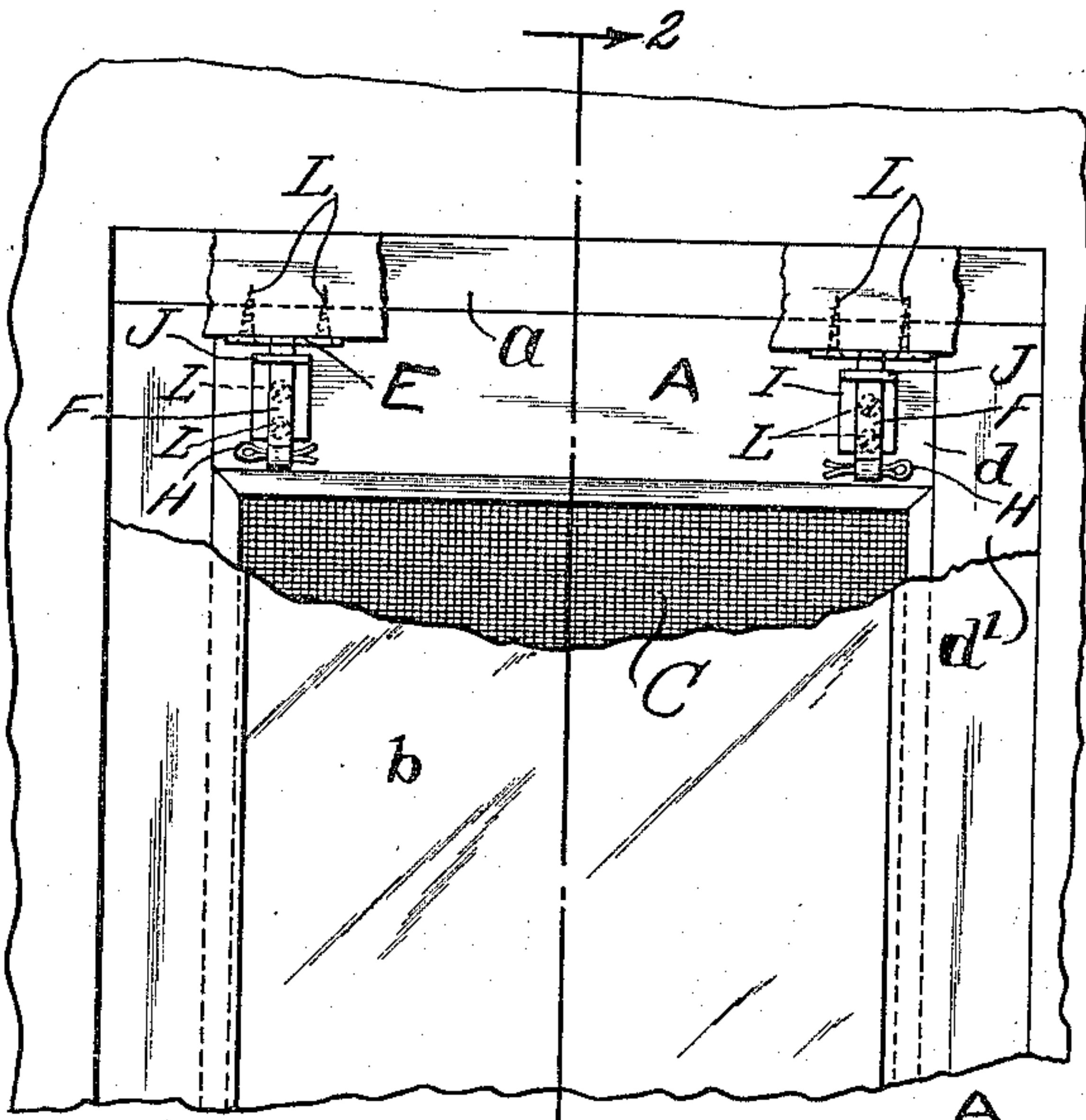


FIG. 1.

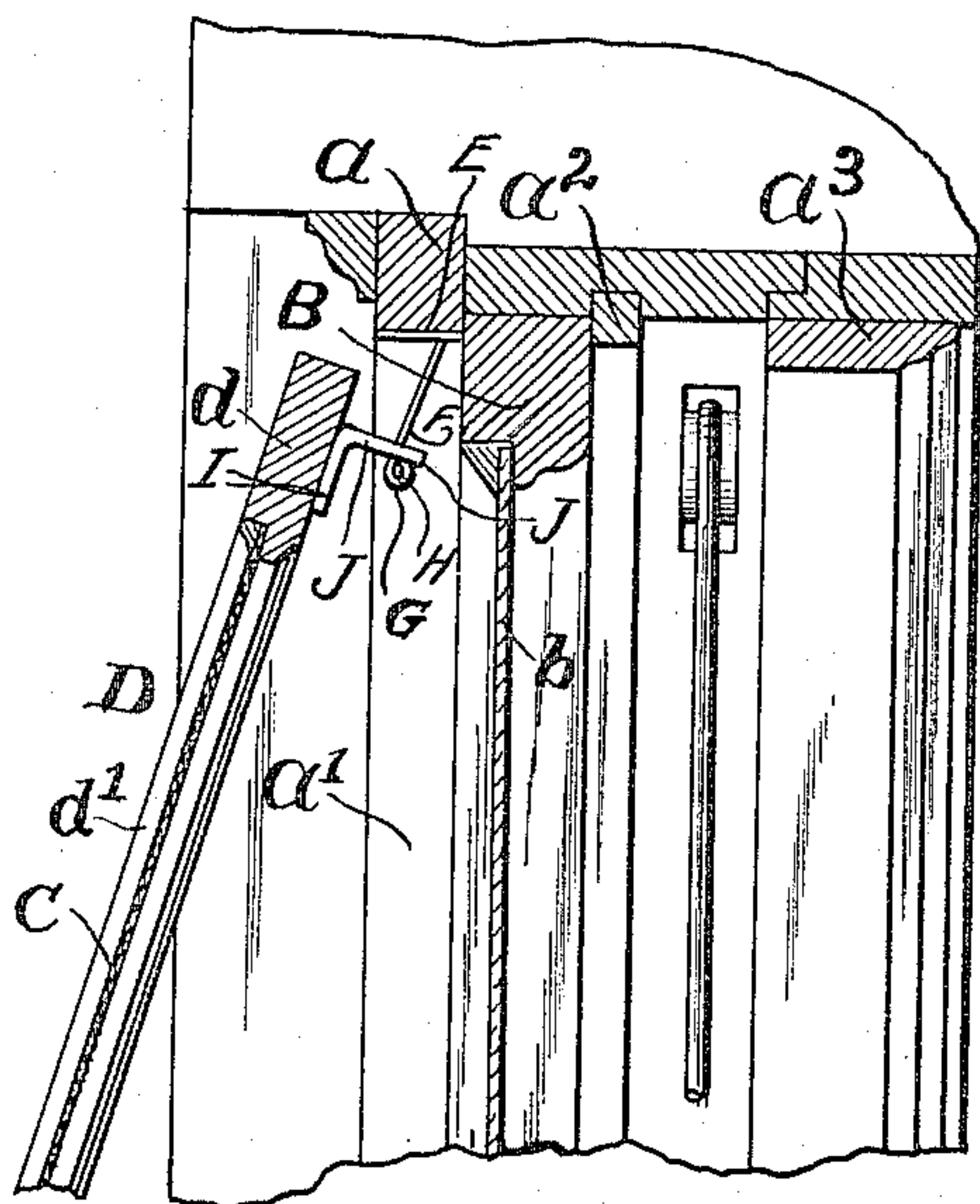


FIG. 3.

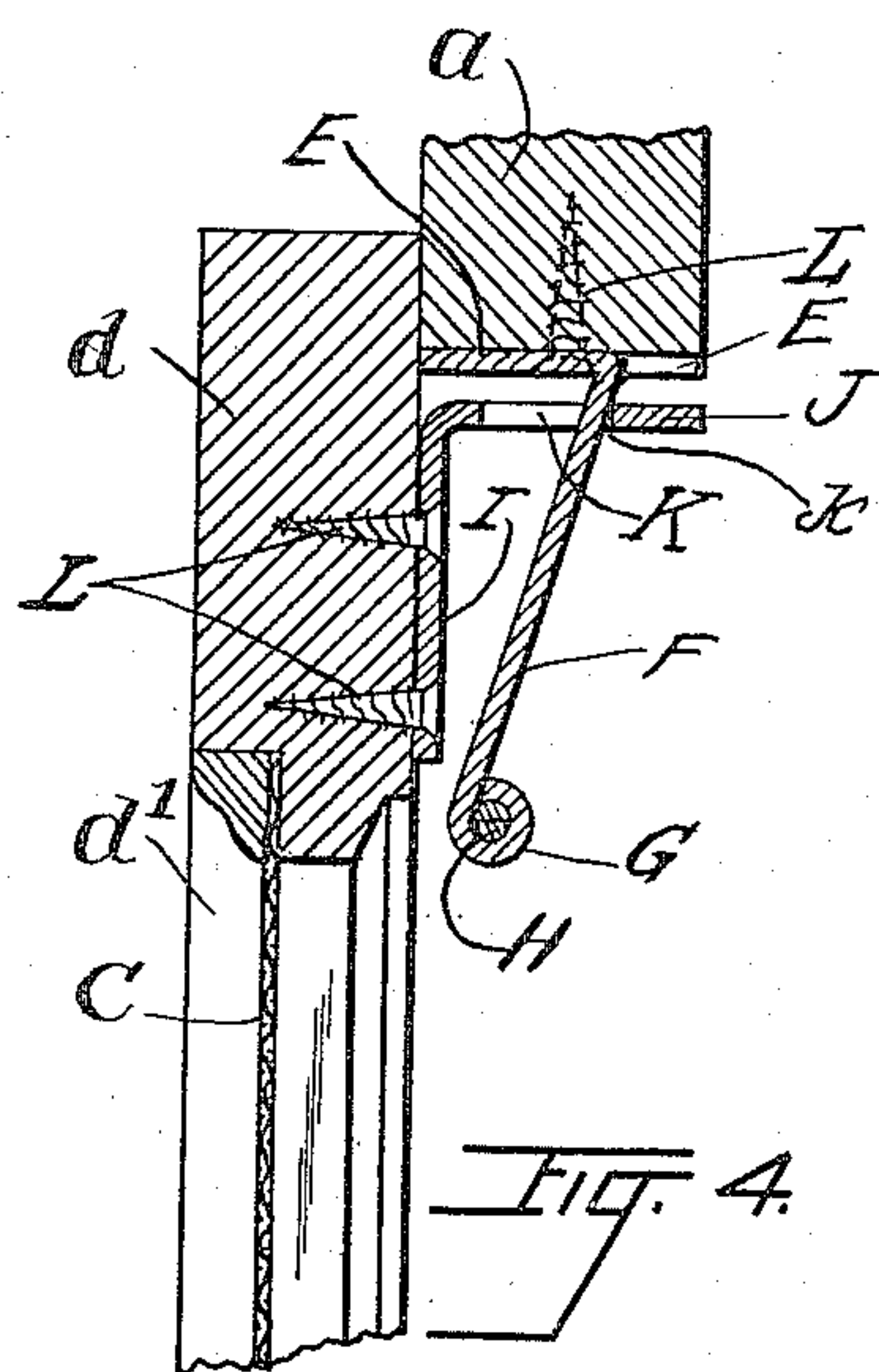


FIG. 4.

WITNESSES:

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HANGER FOR SCREEN AND STORM SASHES.

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Specification of Letters Patent.

Patented Sept. 28, 1915.

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To all whom it may concern:

Be it known that I, HIRSH GREENFIELD, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hangers for Screen and Storm Sashes, of which the following is a specification.

This invention relates to hangers which are used to attach what are known in the art as full frame screens and full frame storm sashes to an ordinary window frame, in such manner as to permit them to be swung outward for the purpose of cleaning the glass in the window frame, while at the same time said frames are held closely to the window frame when closed to place.

The objects of this invention are, to obtain a hanger of the kind named which can be installed by a person on the inside of the window frame; which will hold the upper end of the screen or storm sash closely to the window frame when said sashes are closed; which will permit the same to be swung outward at the lower end thereof, when desired; and which will hold said sash at the upper end thereof in such manner that it cannot be accidentally separated from said window frame; while at the same time a separation of said parts can be easily effected when desired.

I have illustrated a hanger embodying my invention properly installed on a window frame, with so much of said frame as is required to properly illustrate said installation, in the drawing accompanying and forming a part hereof, in which—

Figure 1 is a front elevation of the upper end of a window frame and sash (having a screen therein) attached to said window frame by a device embodying this invention; the top part of the window sash and glass therein being broken away to expose the device and screen to view. Fig. 2 is a vertical section on line 2—2 of Fig. 1, viewed in the direction indicated by the arrows. Fig. 3 is a like section on said line 2—2 of Fig. 1, and viewed in the same direction, with the screen sash which is attached to the window sash by the device embodying this invention swung outward on said device. And Fig. 4 is a vertical section, (on an enlarged scale) of the top rail of a window frame, the top rail of a screen sash, and of a device embodying this invention joining said rails to-

gether, with said screen sash closed, as in Figs. 1 and 2.

A reference letter applied to designate a given part indicates said part wherever the same appears.

A is a window frame, a being the outside head bead thereof. a^1 is the outside bead; a^2 the parting bead, and a^3 the inside bead of the frame A. B is the top rail of the upper sash in frame A, and b the glass in said sash. D is a screen sash, d being the top rail thereof and d^1 one of the stiles thereof. C is netting in sash D, forming the screen.

E is a base plate, forming an element in a device embodying this invention, and F is a depending finger, extending downward and outward from base plate E, as is well illustrated in Fig. 4. I make said depending finger integral with said base plate. G is the lower end of depending finger F and H is a pin which is inserted in the said lower end G. Where base plate E and depending finger F are made of sheet metal, as is illustrated in the drawing, I turn or roll said lower end G to obtain the aperture in which pin H is inserted. To permit the ready insertion of the pin, and its removal when desired, while obviating all liability of said pin to become accidentally separated from said finger I use an ordinary cotter pin.

I is a base plate located on the sash, and J is a table on base plate I. K is an aperture in table J.

L, L, are ordinary wood screws, by means of which the base plate E is attached to the bead a , and base plate I is attached to the rail d .

When sash D is closed to beads a , a^1 , as is illustrated in Figs. 2, and 4, the table J is near to base plate E, and end k of aperture K is in contact with the finger F, thereby drawing said sash closely to said beads. When sash D is to be opened, the lower end of said sash being swung outward, the sash is dropped so that table J rests on the end G of finger F, or on pin H which extends through said end. The rail d is thereby moved away from bead a , and the outward swinging of the lower end of said sash D is permitted, to an extent which permits the window glass b to be cleaned. Sash D cannot be removed from the hanger, because pin H prevents the separation of table J

and finger F. On removing pin H from end G of said finger F separation of base plate I and table J from base plate E and depending finger F is easily effected.

5 To install the device the base plate I may first be secured to sash D; finger F inserted in aperture K, and said sash put in place against the window frame. Thereupon the base plate E can be secured to top bead *a*,
10 by means of screws L, so as to hold said sash D closely to the beads *a*, *a*¹. If preferred the base plate E may first be secured to bead *a*; sash D put in place against the window frame, marks be made for the plac-
15 ing of base plate I on said sash, and said base plate I then secured to said sash.

I claim:

1. In a hanger, of the kind described, a base plate provided with a depending fin-
20 ger, said finger adapted to receive a pin at its lower end, in combination with an additional base plate provided with a table and said table provided with an aperture there-
25 through adapted to receive said depending finger, and a pin adapted to engage with the

said lower end of said depending finger, to secure said finger in said aperture.

2. In a hanger for screen and storm sash a base plate adapted to be secured to a win-
30 dow sash, a depending finger integral with said base plate and extending downward and outward therefrom, in combination with an additional base plate adapted to be secured to said screen and storm sash, a
35 table integral with said additional base plate and said table provided with an aperture therethrough adapted to fit loosely on said depending finger to permit said table
40 to be moved on said finger, said table and finger in relative position to draw said additional base plate into a predetermined relative position to said first named base plate
when said table is adjacent to said first named base plate, and means to secure said table on said finger.

HIRSH GREENFIELD.

In the presence of—

CHARLES TURNER BROWN,
E. A. WINCHELL.

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