

J. MUELLER & P. W. WIEBOLDT.  
Window-Screen.

No. 221,088.

Patented Oct. 28, 1879.

Fig. 1.

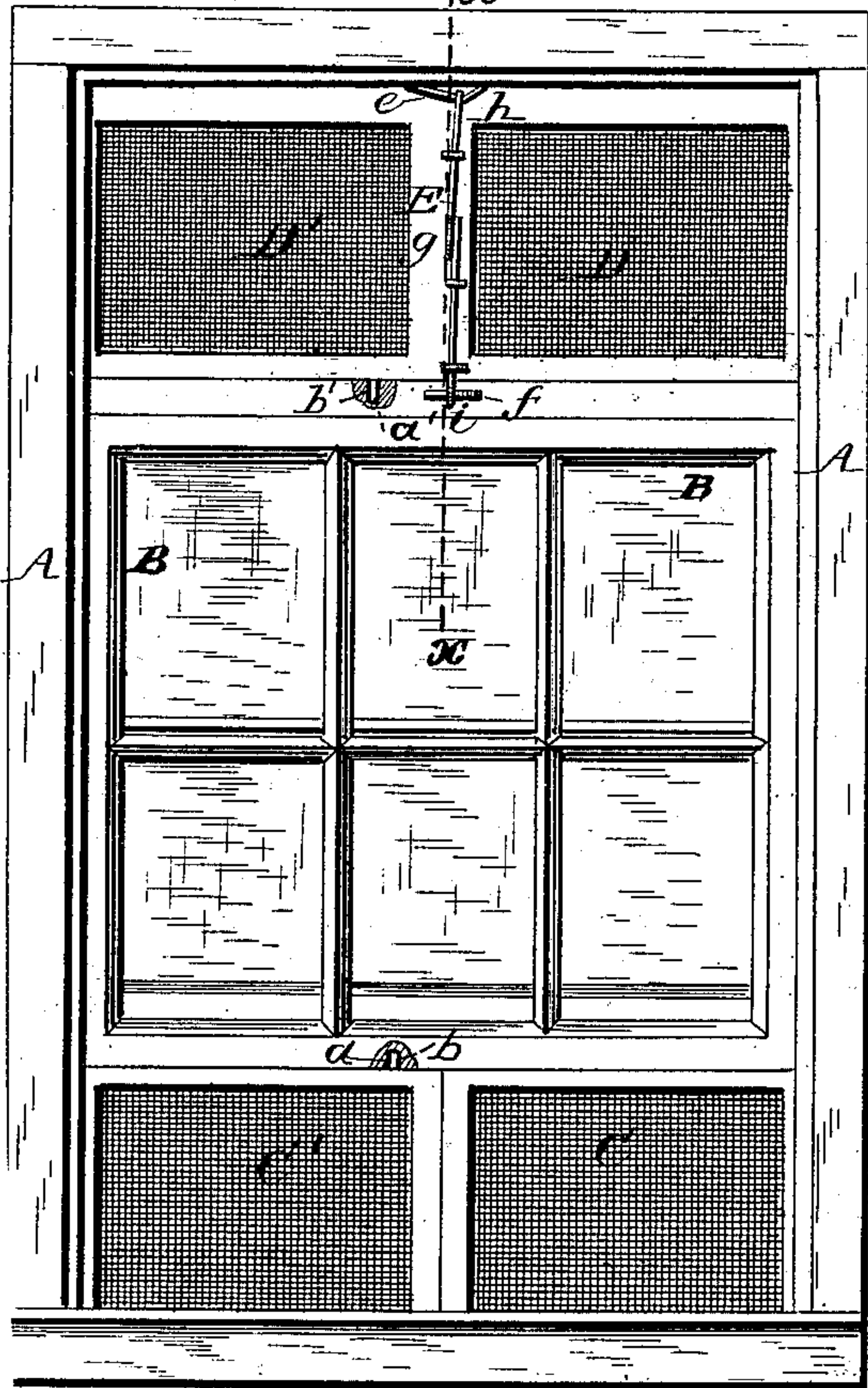


Fig. 2.

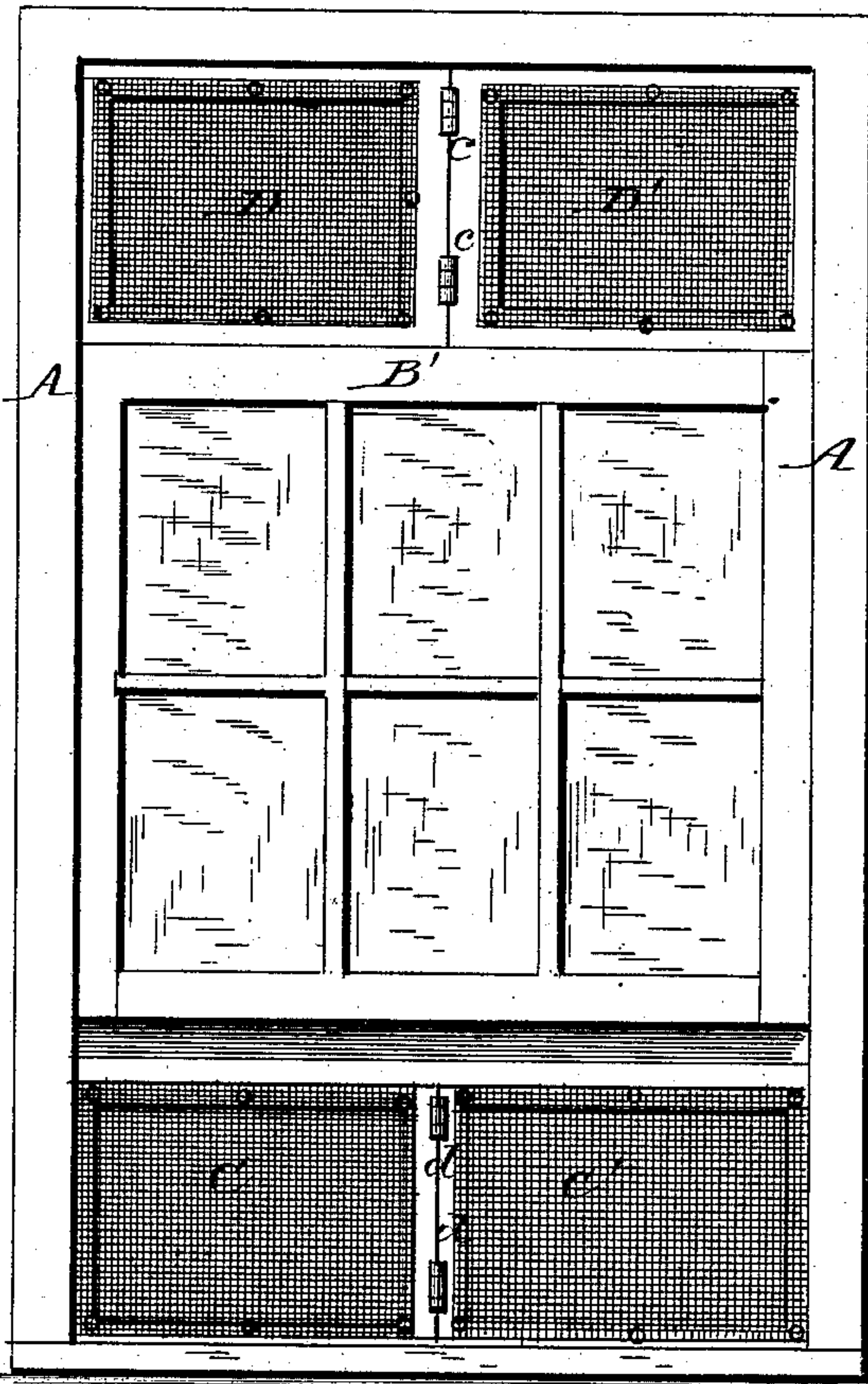
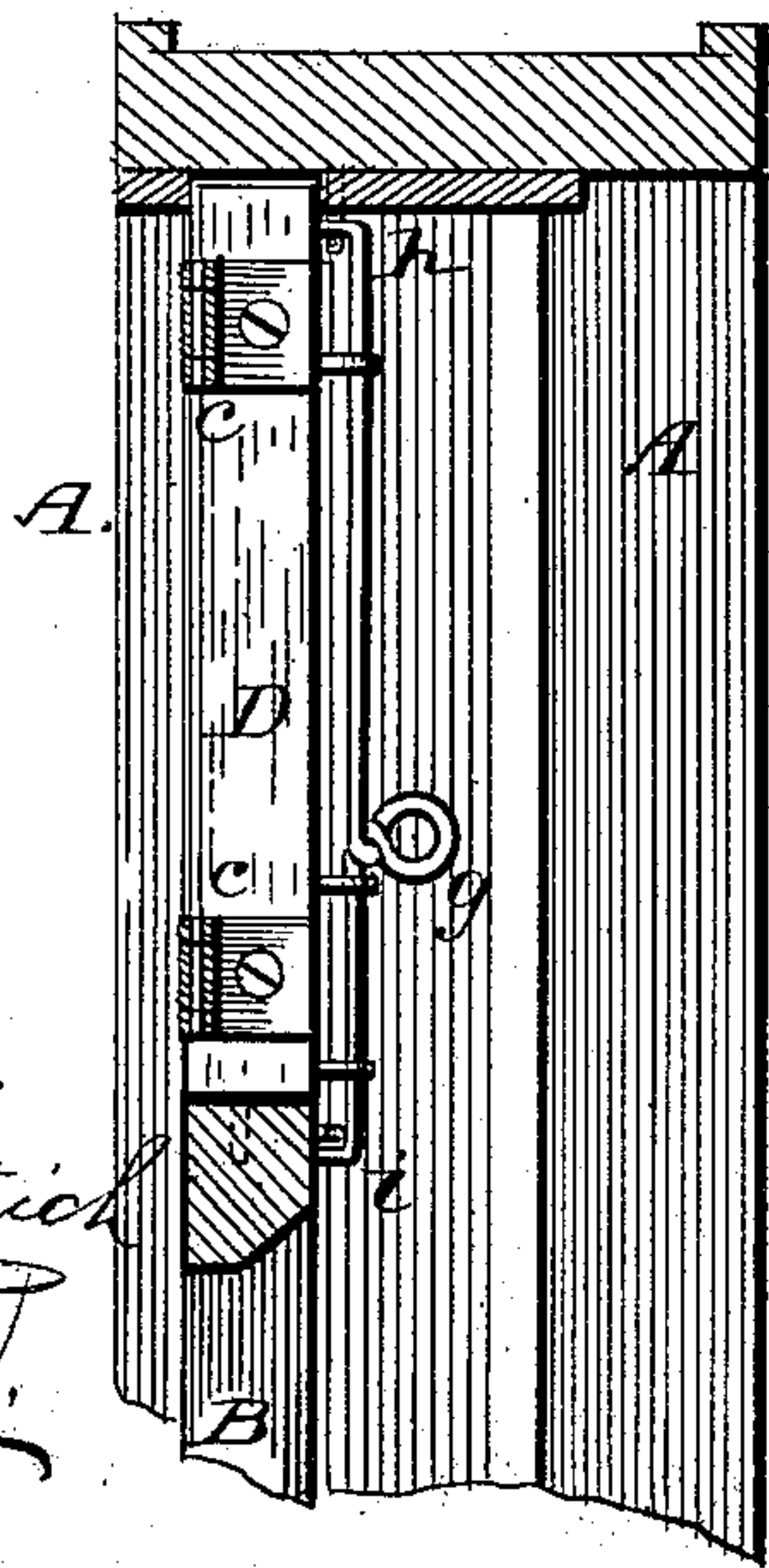
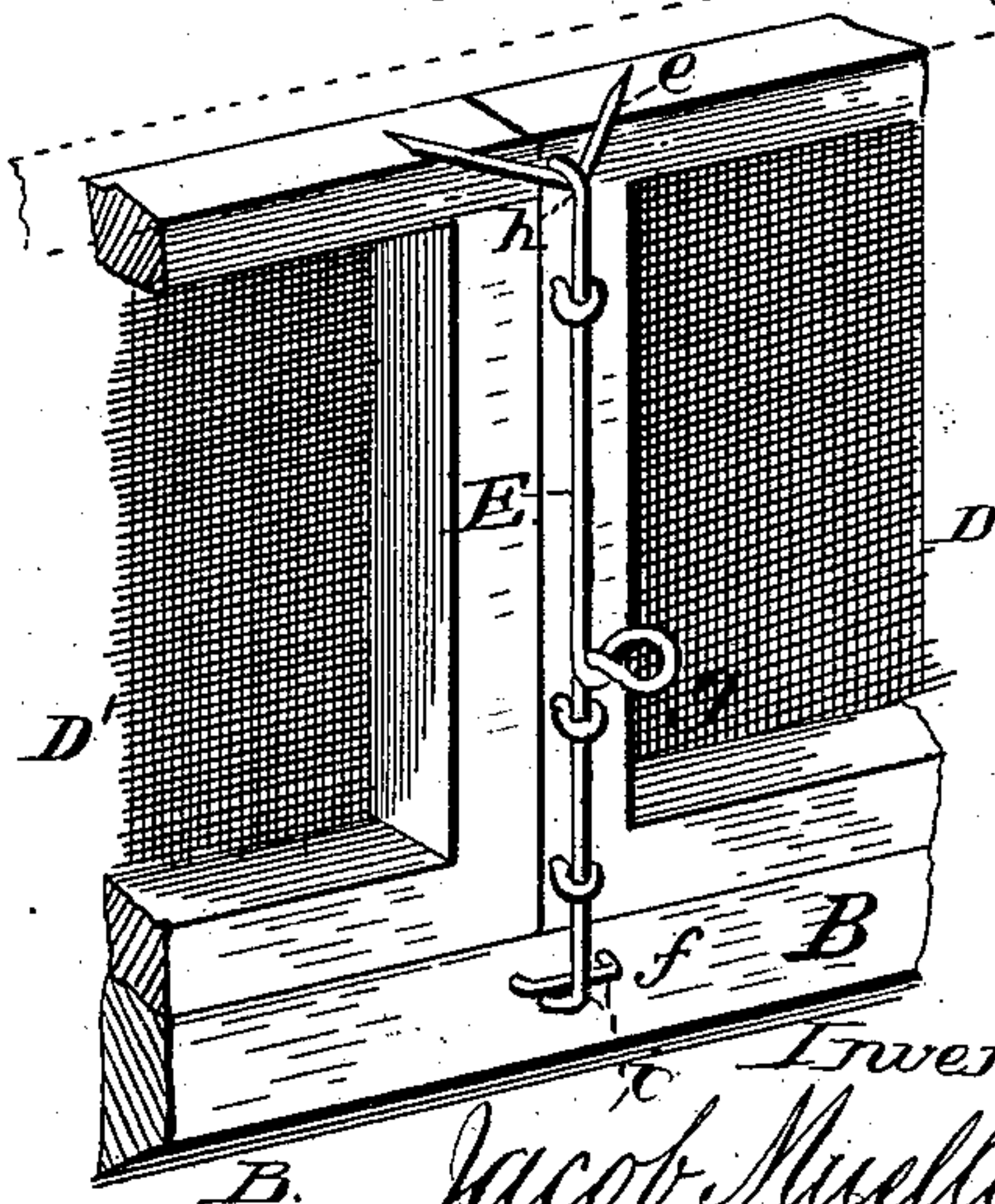


Fig. 3.



Witnesses  
Ed. G. Dietrich  
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Fig. 4.



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# UNITED STATES PATENT OFFICE.

JACOB MUELLER AND PET. W. WIEBOLDT, OF MANITOWOC, WISCONSIN.

## IMPROVEMENT IN WINDOW-SCREENS.

Specification forming part of Letters Patent No. **221,088**, dated October 28, 1879; application filed July 16, 1879.

*To all whom it may concern:*

Be it known that we, JACOB MUELLER and PET. W. WIEBOLDT, of Manitowoc, in the county of Manitowoc and State of Wisconsin, have invented certain new and useful Improvements in Fly and Mosquito Screens for Windows; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a front elevation. Fig. 2 is a rear elevation. Fig. 3 is an enlarged vertical section on line *x x*, Fig. 1, and Fig. 4 is an enlarged perspective view of a portion of the upper screen and sash, with the bayonet-catch for locking it.

Similar letters of reference indicate corresponding parts in all the figures.

This invention has relation to adjustable fly and mosquito screens for window-sashes; and it consists in the combination, with a window-frame and its sliding sash, of a hinged removable screen provided with a bayonet-catch, substantially as hereinafter more fully set forth.

In the drawings, A is a window-frame, and B B' the sashes, which are of the ordinary construction. C is the lower, and D is the upper, screen, each of which consists of two parts or sections, denoted by C C' and D D', respectively, hinged together at *c c d d*, one of the hinged sections of each screen being provided with a pin or lug, *a a'*, which fits into a hole, *b b'*, in the bottom of the rail of the sash next to it. The top rail of the upper sash, B, has a projecting catch or bail, *e*, and the lower

part of the frame has a catch, *f*, while one of the hinged sections, D, of the upper screen is provided with a bayonet-catch, consisting of a rod, E, pivoted in staples in the frame of the screen, having a loop or handle, *g*, at its middle part, and turned at both ends to form hooks *h i*, which, in turning the rod, engage with the upper and lower catches, *e f*, respectively.

From the foregoing description, taken in connection with the drawings, the operation of our improved adjustable window-screen will readily be understood. It is made, of course, of all sizes, to fit different sized and shaped windows, the sides of the hinged sections fitting into the grooves or ways in the frame in which the sashes slide, so that, in case of storm, any child can take out the screens and again replace them, when desired, the top section, D D', being put in first in adjusting the screens, and the reverse order followed in removing them.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

The construction and combination of the window-frame A, having catch *e*, sliding sash B, provided with the catch or bail *f*, and hinged screen D D', provided with the bayonet-catch E, substantially as and for the purpose herein shown and specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

JACOB MUELLER.

PET. WM. WIEBOLDT.

Witnesses:

GOTTHEL PANZ,

JOHANN WAHLER.