

(No Model.)

J. M. B. ROBINSON.

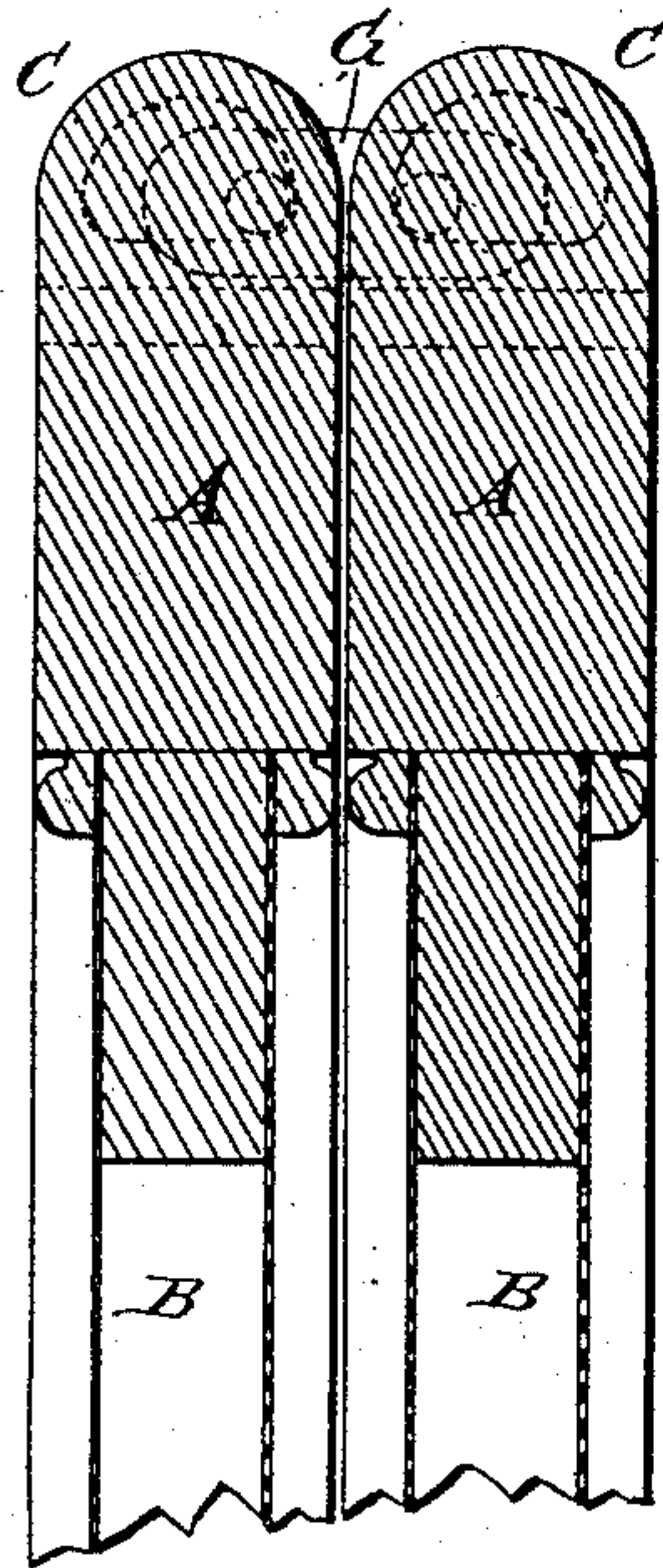
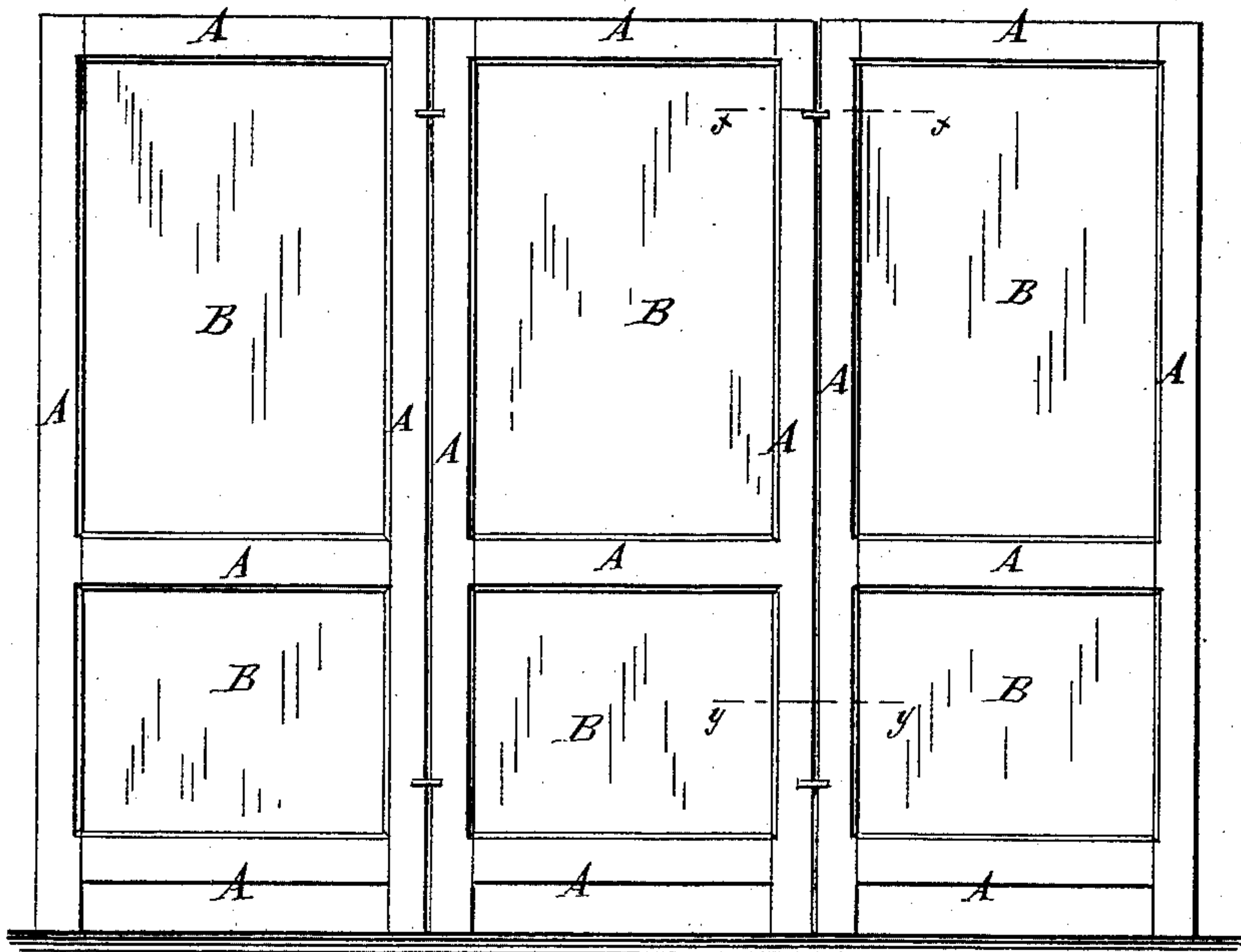
FIRE SCREEN HINGE.

No. 328,342.

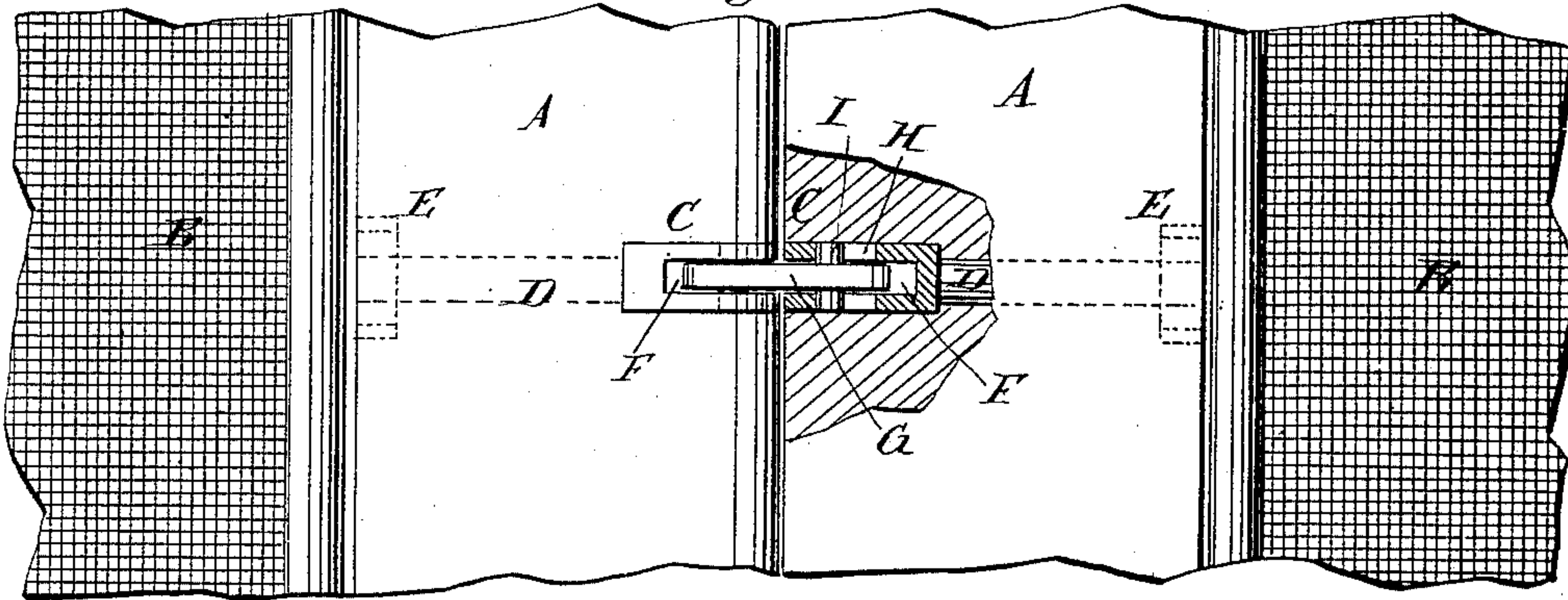
Patented Oct. 13, 1885.

*Fig: 1.*

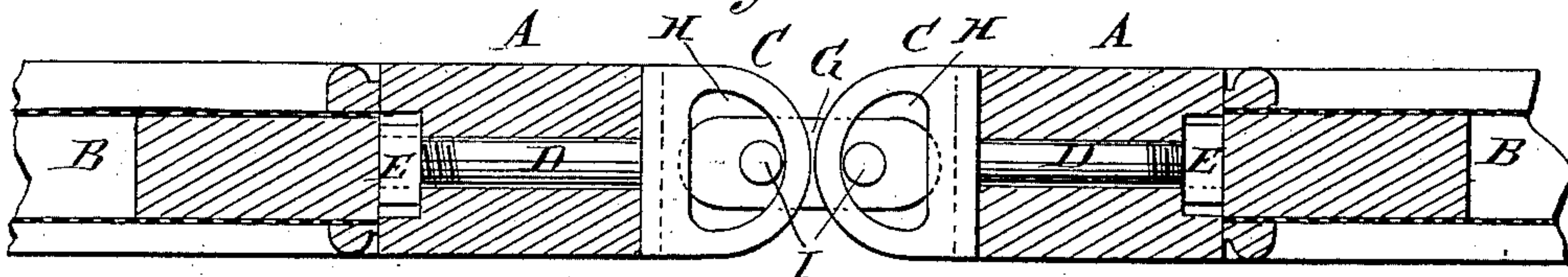
*Fig: 4.*



*Fig: 2.*



*Fig: 3.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## FIRE-SCREEN HINGE.

SPECIFICATION forming part of Letters Patent No. 328,342, dated October 13, 1885.

Application filed February 6, 1885. Serial No. 155,115. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES M. B. ROBINSON, of the city, county, and State of New York, have invented a new and useful Improvement in Fire-Screen Hinges, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of a screen to which my improved hinges have been applied. Fig. 2 is a front elevation of a part of the same enlarged and part being broken away. Fig. 3 is a sectional plan view of a part of the same enlarged, taken through the line *x x*, Fig. 1. Fig. 4 is a sectional plan view of a part of the same enlarged, taken through the line *y y*, Fig. 1, and showing in dotted lines the relative position of the parts of the hinge when the leaves of the screen are folded.

The object of this invention is to provide screen-hinges constructed in such a manner that the adjacent edges of the wing-frames of the screen will be kept in contact however the said wings may be adjusted, and which at the same time shall be simple in construction and inexpensive in manufacture.

The invention relates to a screen-hinge constructed with plates having horizontal slots, vertical recesses, and rounded outer edges, and provided with bolts and nuts, and a connecting-plate fitting into the slots of the hinge-plates, and provided with pins working in the recesses of the said hinge-plates, whereby the edges of the said plates will be kept in contact with each other as the hinges are worked, as will be hereinafter fully described and claimed.

A represents the frame of a screen, which is made in sections or wings and is provided with screens, B, of paper, gauze, or other suitable material, in the ordinary manner. The adjacent edges of the side bars of the wing-frames A are rounded, as shown in Fig. 4, so that the said frame A can be kept in contact while being folded and unfolded.

C are the plates of the hinge, which are inserted in transverse slots in the edges of the adjacent side bars of the wing-frames A. The plates C are made with their outer edges

rounded and with their inner edges straight, and have bolts D cast upon the centers of the said inner edges, which bolts pass through the side bars of the wing-frame A, and have nuts E screwed upon their ends to secure the said plates C in place.

In the plates C are formed horizontal slots F, to receive the ends of the connecting-plate G, and vertical recesses H to receive pins I attached to the ends of the said connecting-plate G. The outer edges of the recesses E are made parallel with the rounded edges of the plate C, as shown in Fig. 3, and in dotted lines in Fig. 4, so that the said rounded edge will always be in contact whatever be the relative position of the wing-frames with respect to each other.

Having thus described my invention, claim as new and desire to secure by Letter Patent—

1. A screen-hinge constructed substantially as herein shown and described, and consisting of the plate C, having horizontal slots F and vertical recesses H, and rounded outer edges, and provided with bolts and nuts D E, and the connecting-plate G, having pins I, whereby the edges of the said plates will be kept in contact with each other as the hinges are worked, as set forth.

2. The combination, with the side bars of the frames A of the screen-wings having rounded adjacent edges, of the plates C, having horizontal slots F, vertical recesses H, and rounded outer edges, and provided with bolts and nuts D E, and the connecting-plate G, provided with pins I, substantially as herein shown and described, whereby the edges of the wing-frames will be kept in contact with each other however the said wings may be adjusted, as set forth.

3. The combination, with the hinge-plate C, having horizontal slots F, and also vertical recesses H, having their outer margins parallel with the faces of said hinge-plate of the connecting-plate G, provided with pins I, substantially as shown and described, whereby the faces of the said hinge-plate will be in contact however the hinge may be adjusted.

J. M. B. ROBINSON.

Witnesses:

WM. KING HALL,  
JOS. H. MCCARTHY.