

E. Y. CLARK.

Improvement in Wire Shade and Mosquito-Netting Frames.

No. 133,143.

Patented Nov. 19, 1872.

Fig: 1.

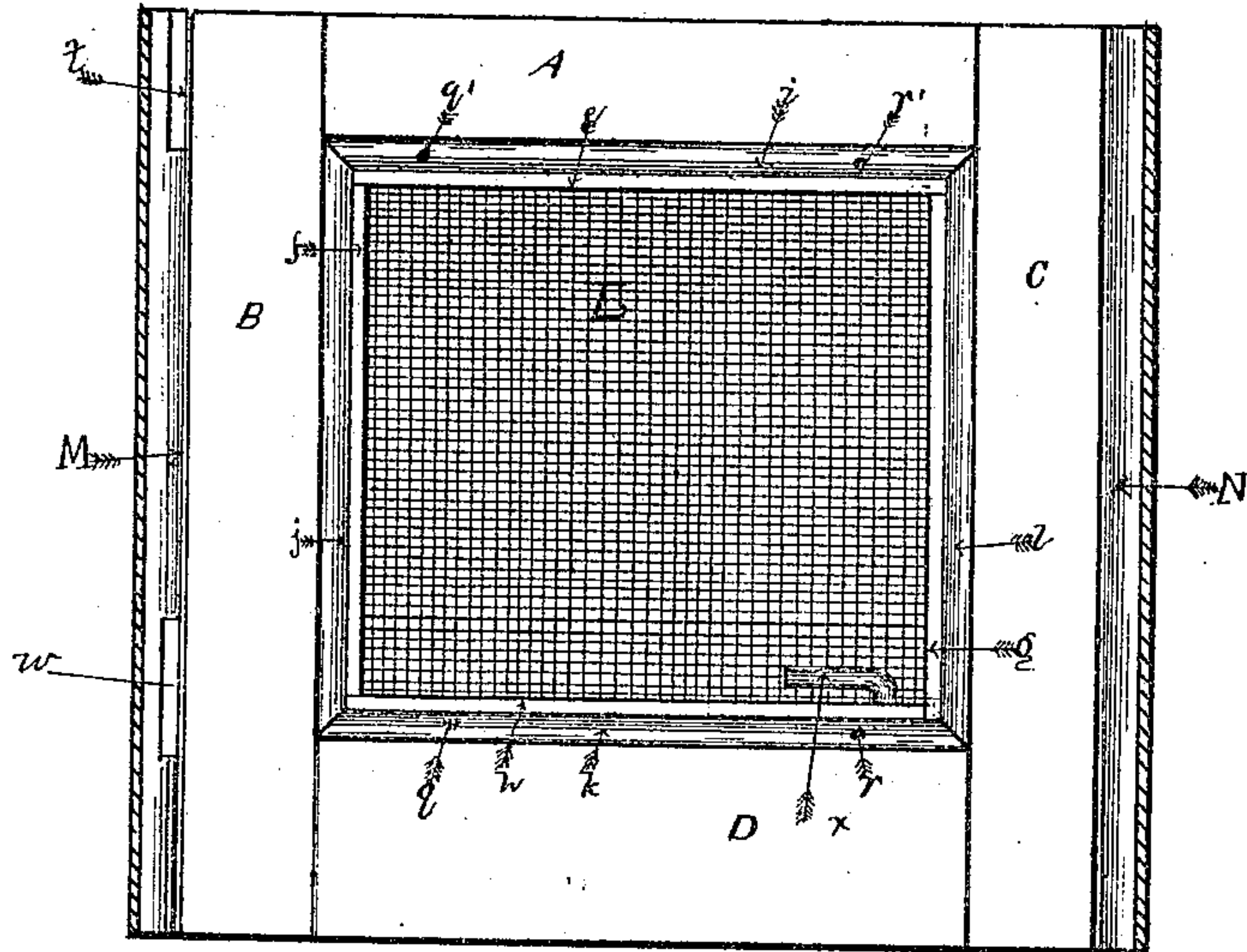
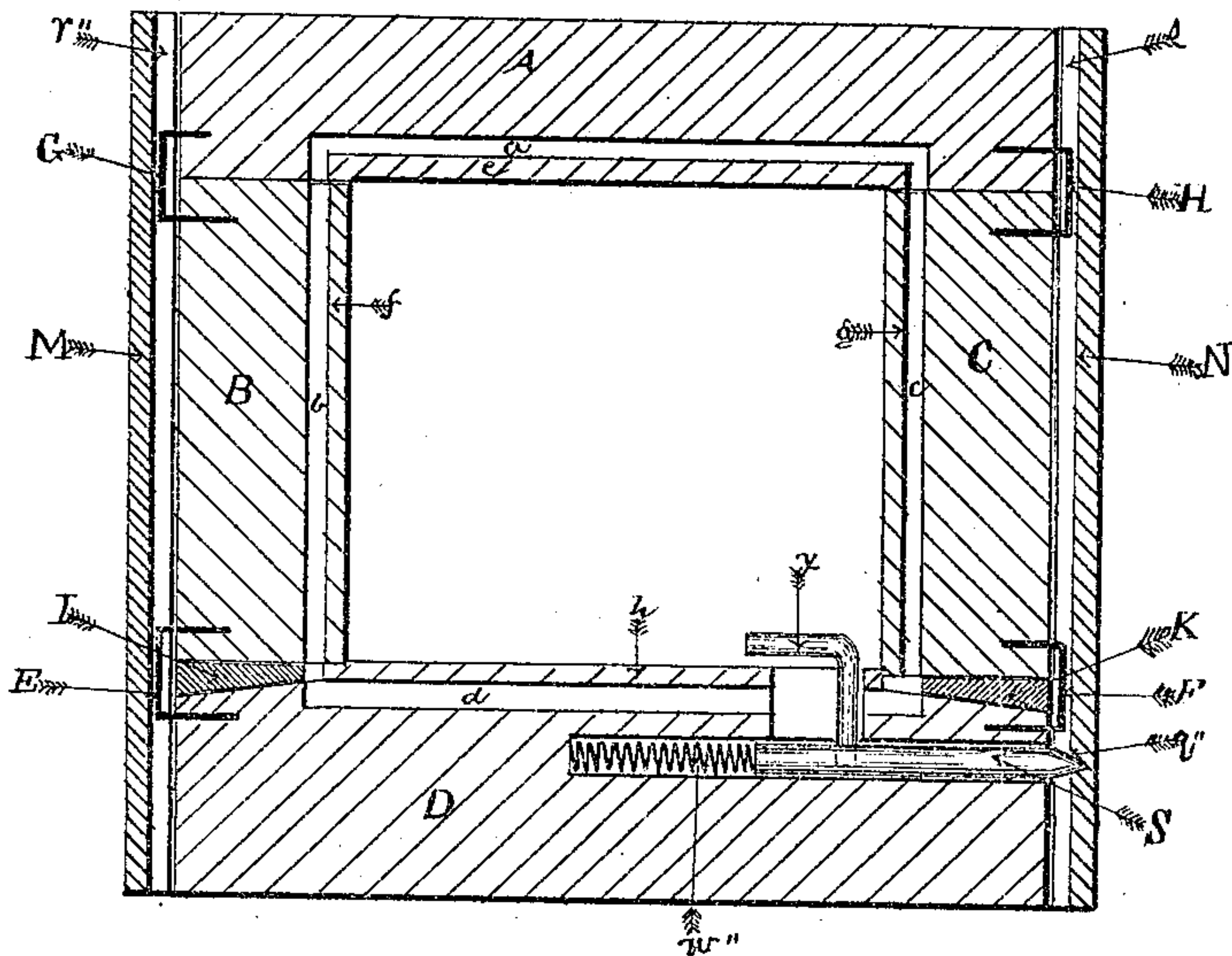


Fig: 2.



Witnesses:
 Richard Berner
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UNITED STATES PATENT OFFICE.

ERASTUS Y. CLARK, OF JERSEY CITY, NEW JERSEY, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO FREDR. G. RICHARDSON, OF NEW YORK, N. Y.

IMPROVEMENT IN WIRE-SHADE AND MOSQUITO-NETTING FRAMES.

Specification forming part of Letters Patent No. **133,143**, dated November 19, 1872; antedated November 16, 1872.

To all whom it may concern:

Be it known that I, ERASTUS Y. CLARK, of Jersey City, Hudson county, State of New Jersey, have invented certain Improvements in Wire-Shade and Mosquito-Netting Frames, of which the following is a specification:

The object of my invention is to construct and manufacture wire-shades and mosquito-netting frames, which are strong and substantial, and in securing and holding the frame itself to the window-frame.

In order to describe my invention more fully, I will refer to the accompanying drawing.

Figure I is a front view of my invention. Fig. II is a cut sectional view of the same.

The frame consists of the four pieces A, B, C, and D, which are dovetailed together. Four grooves, *a*, *b*, *c*, and *d*, are inserted in the inner side of the stationary beads *e*, *f*, *g*, and *h*. Four removable beads, *i*, *j*, *k*, and *l*, with tongues, are so made and inserted that the tongues will fall into the grooves of the stationary beads. The sides B and C of the frame are permanently secured to the side A by gluing or otherwise fastening the dovetails together, but the fourth side D is not permanently secured, but can be pushed nearer together to the side A, which is done, before the wire or netting is inserted, by removing the metallic staples E and F, the wedges I and K, and the removable beads *i*, *j*, *k*, and *l*. The netting L is then inserted and the two removable beads *i* and *k* are placed against the sides A and D, where they are held by aid of two or more metallic tacks, *q*, *q'*, *r*, and *r'*, which penetrate the removable beads and go through the netting into the stationary beads. The netting is then stretched by inserting the wedges K and I, and the metallic staples E and F, which also serve to hold these wedges in their places. The removable beads *j* and

l are then inserted in their respective places. Two more metallic staples, G and H, are inserted in the sides of the pieces B and C, which serve, as well as the other two metallic staples E and F, to attach the frame to the two stuff-beads M and N, which are nailed or fastened to the window-frame. In both of the stuff-beads are inserted grooves *r''* and *s*, in which the metallic staples will slide easily up and down. In the stuff-bead M are inserted two notches, *t* and *w*, in order to receive the two metallic staples E and G and allow them to enter the groove *r''*. In order to keep the frame in its place when inserted between the two stuff-beads M and N a bolt, S, is inserted in the frame, which, by aid of the spring *w''*, is held in the hole *q''*, inserted in the stuff-bead N, and can be pushed back by taking hold of the handle *x*. When the bolt S is required to be held permanently against the spring W, so as not to penetrate outside the frame, the end of the handle *x* can be laid against the inner side of the frame, and the frame leveled or planed off, as may be found necessary.

Having thus fully described my invention, I desire to claim—

The four stationary beads *e*, *f*, *g*, and *h*, with the grooves *a*, *b*, *c*, and *d*, the four removable beads *i*, *j*, *k*, and *l*, with tongues, the metallic staples E, F, G, and H, the wedges I and K, bolt S, spring *w''*, hole *q''*, and handle *x*, in combination with the frame A, B, C, and D, the stuff-beads M and N with grooves *r''* and *s*, notches *t* and *w*, and the netting L with the metallic tacks *q* and *r*, substantially as and for the purpose hereinbefore set forth.

ERASTUS Y. CLARK.

Witnesses:

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