

(No Model.)

P. A. BUELL.

MACHINE FOR STRETCHING WIRE CLOTH.

No. 355,436.

Patented Jan. 4, 1887.

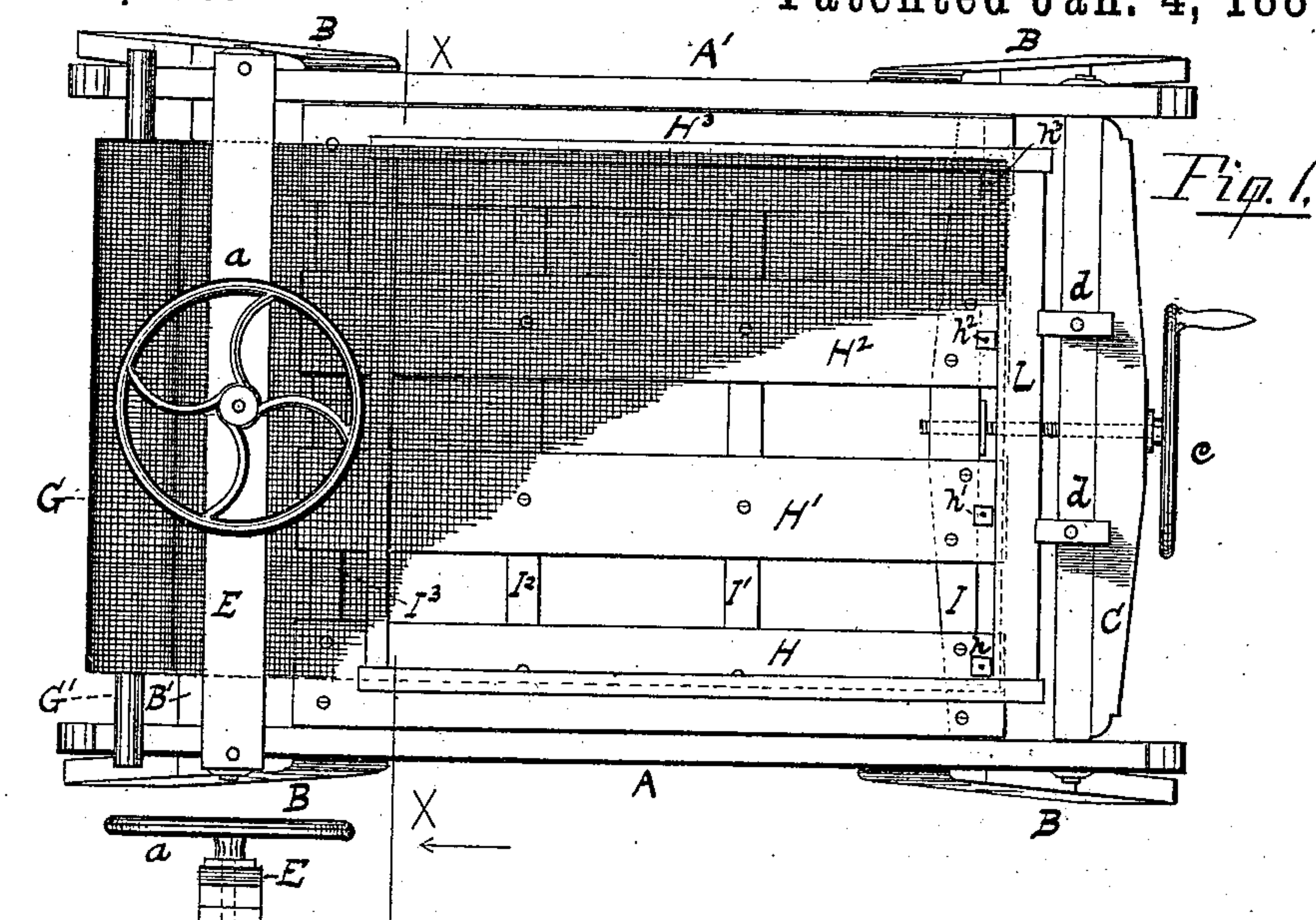


Fig. 2.

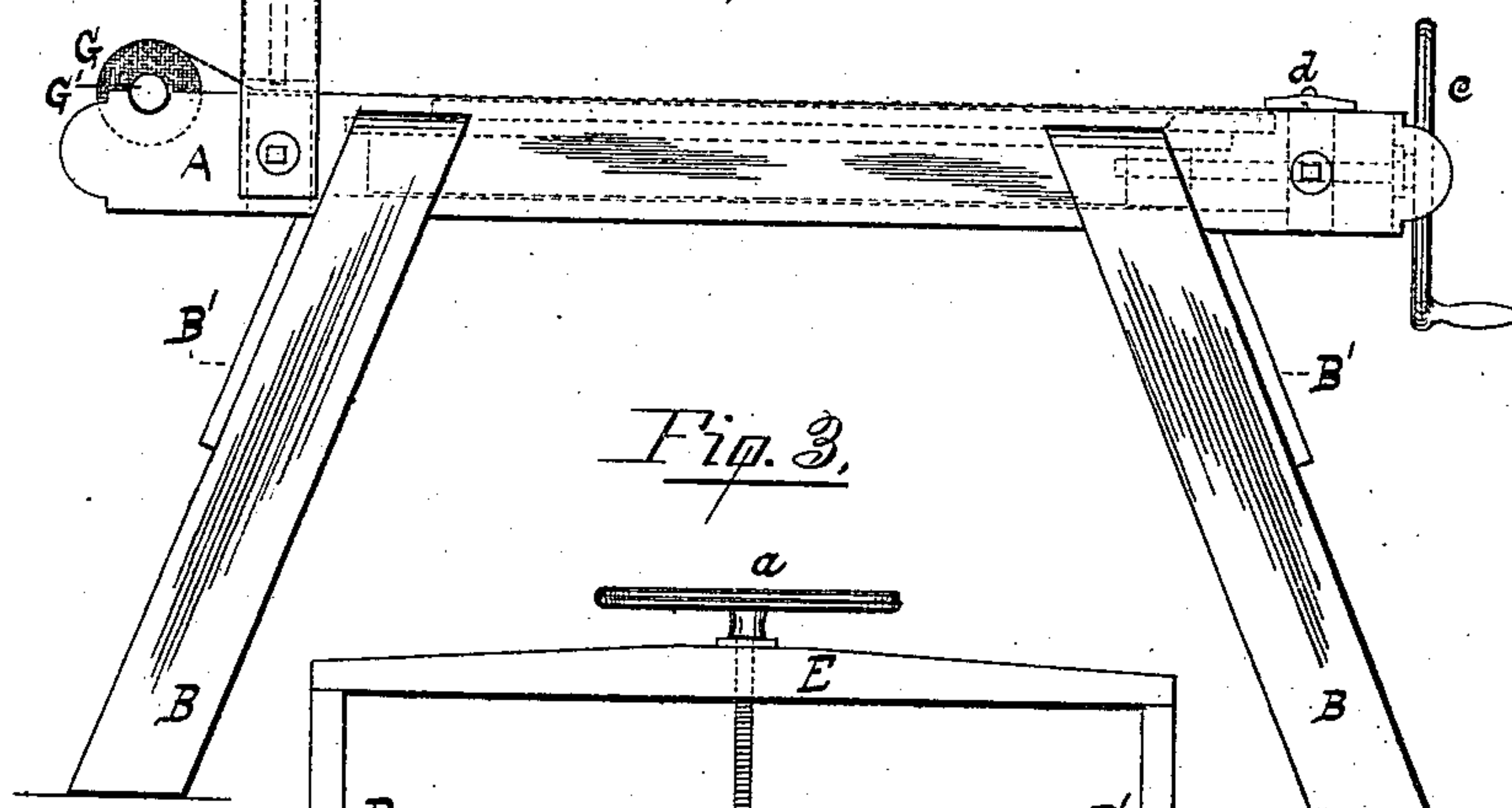
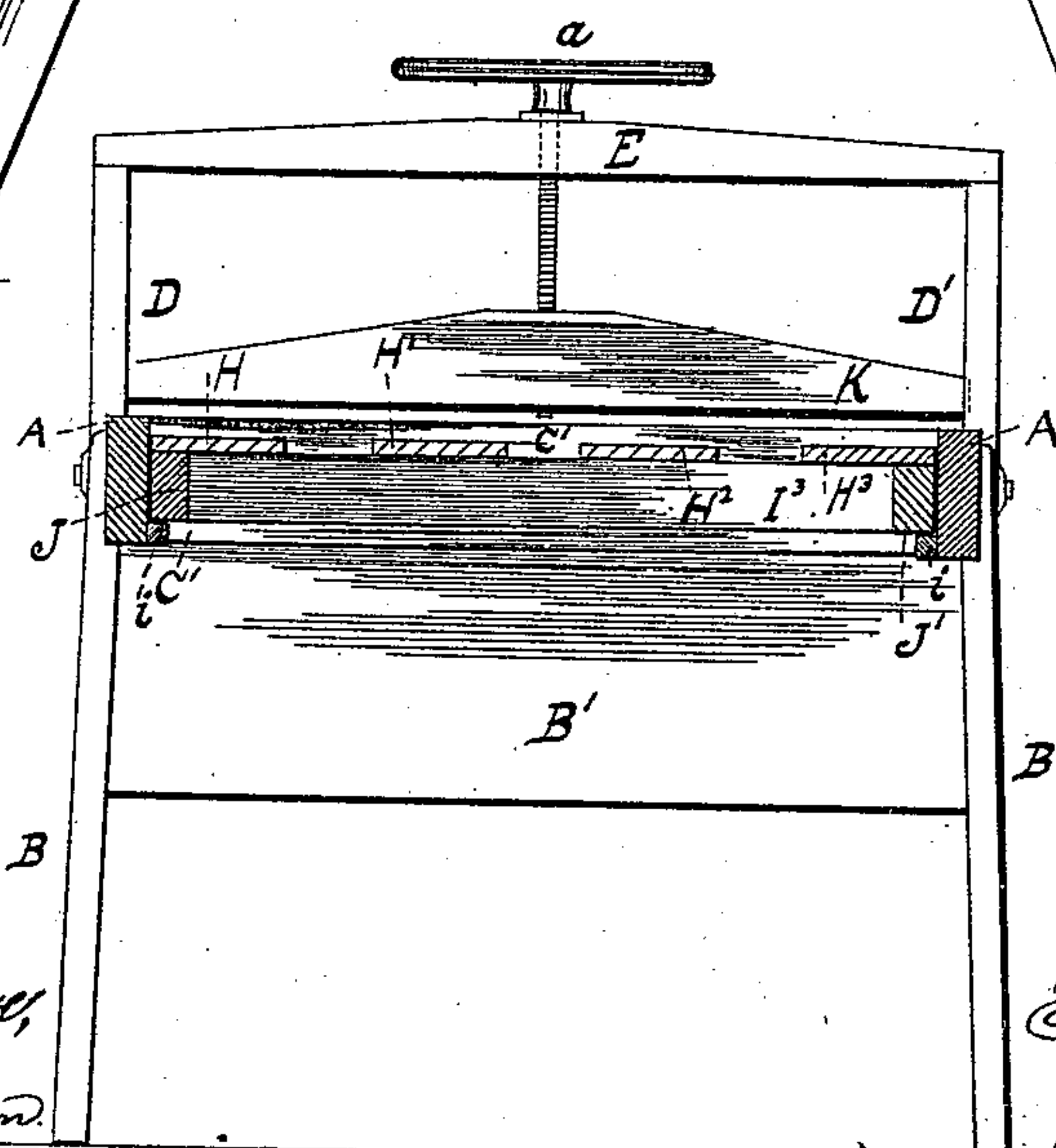


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## MACHINE FOR STRETCHING WIRE-CLOTH.

SPECIFICATION forming part of Letters Patent No. 355,436, dated January 4, 1887.

Application filed June 7, 1886. Serial No. 204,438. (No model.)

*To all whom it may concern:*

Be it known that I, PARK A. BUELL, a citizen of the United States, residing at Stockton, in the county of San Joaquin and State of California, have invented certain new and useful Improvements in Machines for Stretching Wire-Cloth; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention consists in a table and frame of a certain construction, whereby wire-cloth may be readily attached to the frame of the door or window to complete it for use.

To more fully explain my invention, reference is had to the accompanying drawings, forming a part of the specification, in which—

Figure 1 is a top view. Fig. 2 is a side elevation. Fig. 3 is a section through line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A and A' are the side bars of the main frame. C is the front bar attached at its ends to the ends of the bars A and A'. C' is a similar rear bar. D and D', respectively, are vertical posts attached to the rear ends of the bars A and A', supporting a cross-bar, E.

The above-described frame-work is supported upon four legs, B, braced by cross-cleats B'. A follower-block, K, whose ends are fitted into grooves in the posts D and D', is raised and depressed by means of a handled turn-screw, *a*, seated in the cross-bar E. An auxiliary frame is provided, composed of longitudinal bars H, H', H<sup>2</sup>, and H<sup>3</sup> and cross-bars I I' I<sup>2</sup> I<sup>3</sup>, all attached to each other and to side bars, J and J', which slide along upon ways *i*, attached to the inside of the bars A and A'. A handled turn-screw, *c*, has its seat in front bar, C, and is connected with bar I of the auxiliary frame.

To the top surface of bars H, H', H<sup>2</sup>, and H<sup>3</sup> are respectively attached blocks *h*, *h'*, *h*<sup>2</sup>, and *h*<sup>3</sup>, of about the thickness of the frame of

the door or window to which it is desired to attach the wire-cloth.

*d* are buttons attached to surface of bar C.

A cross-shaft, G', has its bearings at the rear of the bars A and A'. Upon it is placed the roll of wire-cloth G, and the door or window frame is placed in position on top of the auxiliary frame before described, so that one end, L, of the frame is held from slipping by the blocks *h h' h<sup>2</sup> h<sup>3</sup>*, and from rising up by means of the buttons *d*, which are turned over it. The wire-cloth G is then sufficiently unrolled from the shaft G', so that the front end may be tacked to the frame-front L. The follower-block K is then pressed tightly upon the cloth by means of the turn-screw *a*. The auxiliary frame carrying the frame of the door or window is then drawn forwardly by means of the handled turn-screw *c* until a sufficient tension is obtained; then the remaining sides and ends of the wire-cloth are tacked to the frame of the door or window, and the wire-cloth is cut at the rear end of such frame, and the completed door or window is removed and another placed in position for attaching the wire-cloth, as already described. It will thus be observed that the main frame supported upon suitable legs is of a table-like nature and supports the various mechanisms.

Having thus described my invention, what I claim is—

1. The table-like frame suitably mounted on legs, the auxiliary frame on the inside thereof, arranged to slide upon ways attached to side bars of the table-frame, and means at the front of such auxiliary frame to prevent the frame of the door or window from sliding or rising up, in combination with vertical posts at the rear, having a cross-bar at their tops and engaging with the follower-block K, handled turn-screw *a*, raising or depressing such follower-block, and the handled turn-screw *c*, engaging with the rear bar of the auxiliary frame, all as and for the purposes described.

2. The combination, substantially as described, of the sliding frame H H' H<sup>2</sup> H<sup>3</sup> I I' I<sup>2</sup> I<sup>3</sup>, the table-frame A A' C C' *i i*, suitably

mounted on legs, the frame-bar C being provided with buttons  $d$ , and the frame H H' H<sup>2</sup> H<sup>3</sup> with blocks  $h$   $h'$   $h^2$   $h^3$ , respectively, the vertical posts D D', having the cross-bar E, follower-block K, and turn-screw  $a$ , the bar C of the table-frame being provided with turn-screw  $c$ , engaging with bar I of the sliding frame.

In testimony whereof I affix my signature in presence of two witnesses.

PARK A. BUELL.

Witnesses:

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ELIHU B. STOWE.