

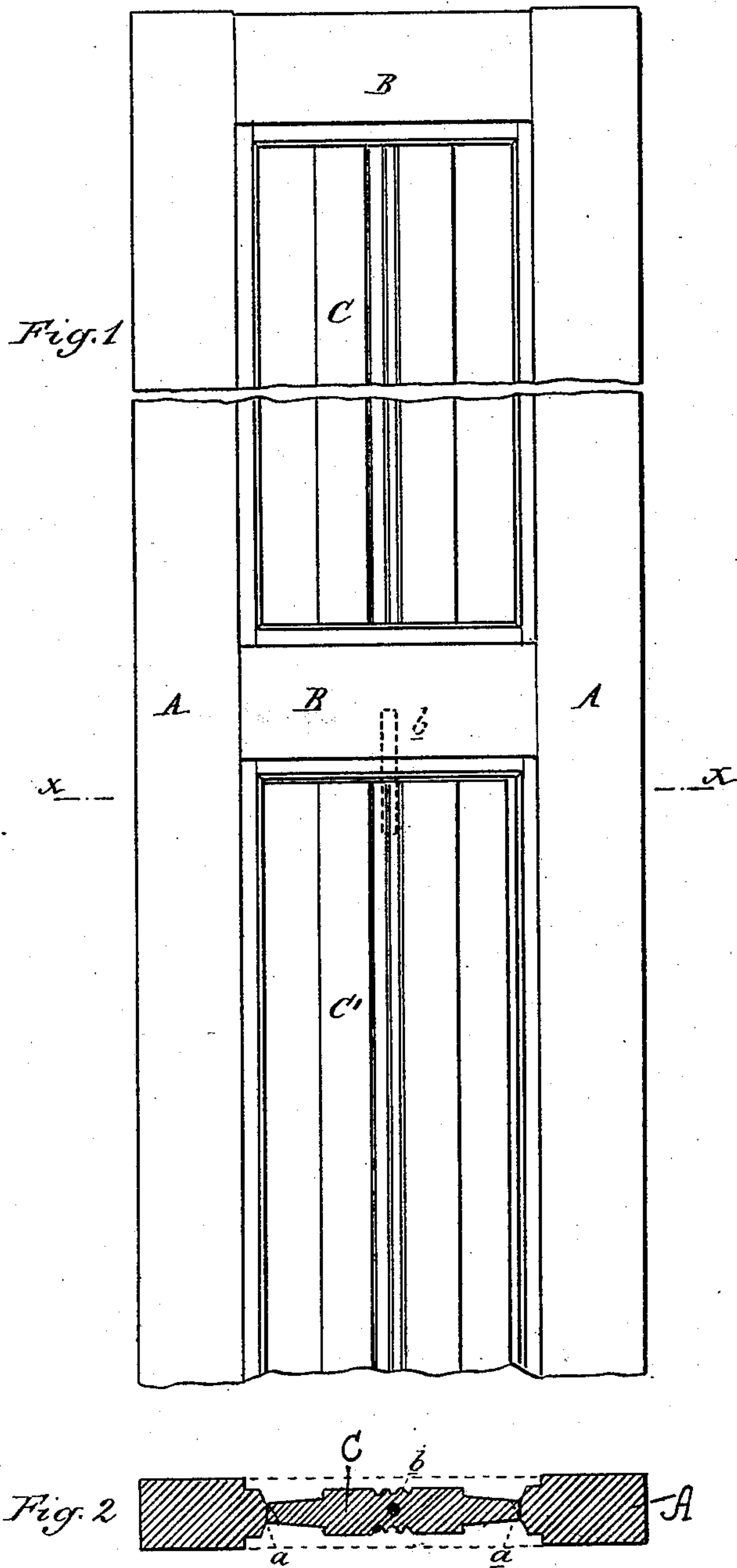
(No Model.)

M. J. BIRD.

BLIND.

No. 285,104.

Patented Sept. 18, 1883.



Attest:

A. Barthel

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Inventor:

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by his Atty W. J. Sprague

UNITED STATES PATENT OFFICE.

MICHAEL J. BIRD, OF EAST SAGINAW, MICHIGAN.

BLIND.

SPECIFICATION forming part of Letters Patent No. 285,104, dated September 18, 1883.

Application filed February 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL J. BIRD, of East Saginaw, in the county of Saginaw and State of Michigan, have invented new and useful Improvements in Blinds; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

10 This invention relates to certain new and useful improvements in the construction and method of manufacturing blinds; and the invention consists in the peculiar construction and method of manufacturing such blind, all as more fully hereinafter set forth.

Figure 1 is an elevation of a single fold of an inside blind provided with a pivoted and stationary panel. Fig. 2 is a cross-section on the line *x x* in Fig. 1.

20 In the accompanying drawings, A represents the stiles, B the rails, C a stationary panel, and C' a pivoted panel.

In the manufacture of this blind I take a board of the proper width and thickness and any length and pass it through a machine having molding-cutters, the knives of which form the stiles and panels at one operation, said board, when it leaves the machine, having a cross-section like that shown in Fig. 2, in which 30 A shows the stiles, and C the part constituting the panel when finished.

If I desire to make a solid blind, I cut off a piece of the panel portion C from each end of the size of the rails B, into which I fit the top and bottom rails. In the center I fit pieces of the shape shown in dotted lines in Fig. 2, to form the appearance of a central rail. This makes a complete solid blind of two panels, having the stiles and top, bottom, and central 40 rails.

If it is desired to have one or more of the panels pivoted, the panel or panels to be pivoted are severed from the stiles upon both sides upon the line *a*, Fig. 2, with bevel or 45 square edges. This can be done after the

board has been taken from the machine, or, if desired, may be severed at the same time, or by the machine, with cutters properly arranged to accomplish the desired purpose. The panels thus cut may be pivoted to the rails at each end by the pins *b* and the rails fastened in place.

By this manner of forming a blind, I do away with the employment of numerous slats, staples, and rods necessarily employed in the manufacture of ordinary blinds and employ but one machine, for after the material leaves the machine the blind can be finished by a carpenter with ordinary tools.

Any novel feature shown or described herein and not claimed I reserve the right to cover by a separate application.

What I claim as my invention is—

1. The process of making blinds or analogous articles herein set forth, consisting in first removing from a board a part of the material, leaving said board of a shape in cross-section corresponding to the intended shape of the panel and stiles and then securing the rails in position, substantially as described. 70

2. The process of making blinds or analogous articles herein set forth, consisting in first removing from a board a part of the material, leaving said board of a shape in cross-section corresponding to the intended shape of the panel and stiles, then cutting out the portion intended to form the panels, and fitting the said panels with pivots and securing them in position in the rails, substantially as described. 80

3. A blind wherein the stiles A and pivoted panel C' are formed from one piece and such panel is pivotally secured between the rails B by the pins *b*, substantially as described.

MICHAEL J. BIRD.

Witnesses:

EDW. A. OWEN,
WM. HARRIS.