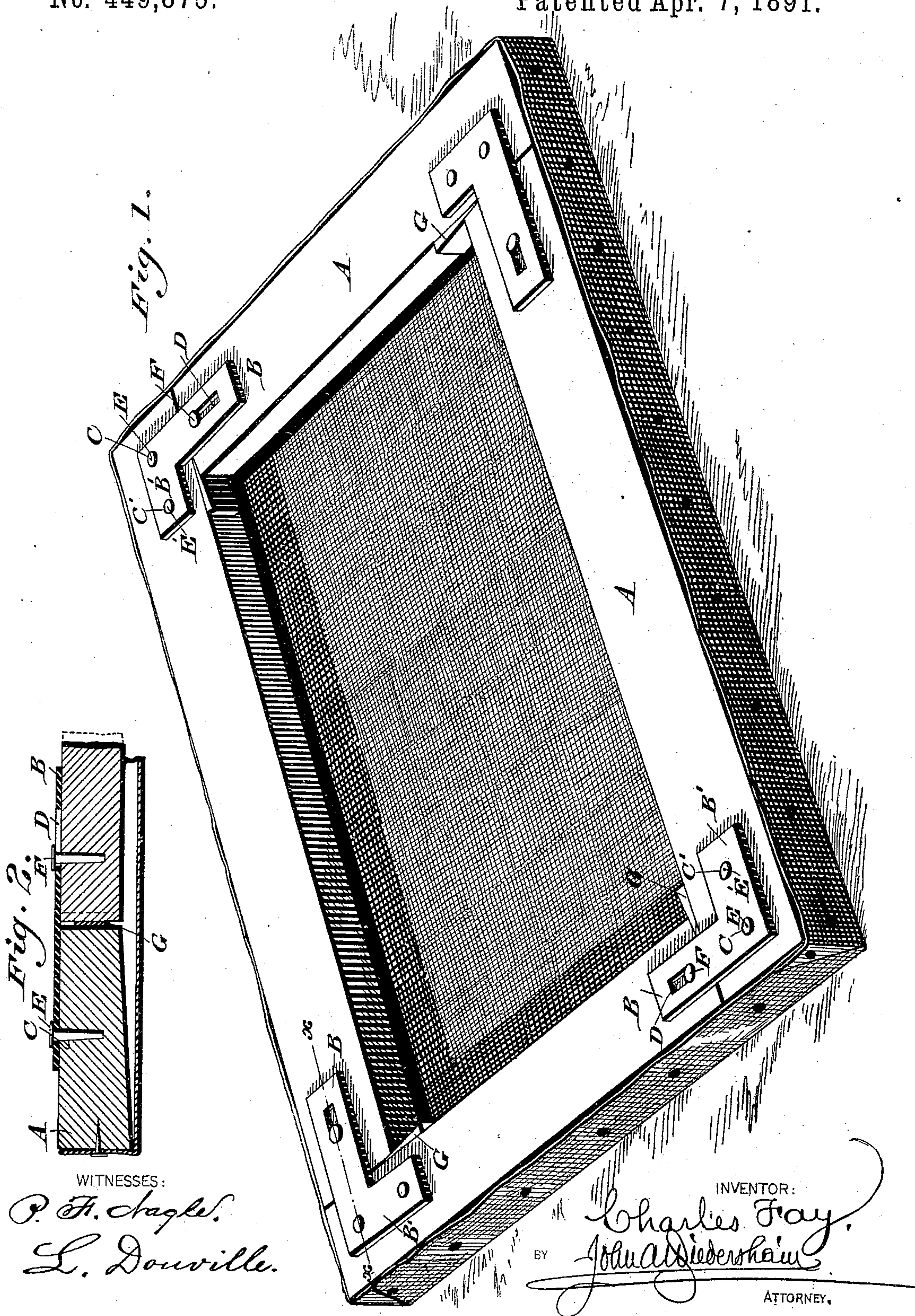


(No Model.)

C. FAY.
CANVAS STRETCHER FRAME.

No. 449,875.

Patented Apr. 7, 1891.



WITNESSES:
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CHARLES FAY, OF PHILADELPHIA, PENNSYLVANIA.

CANVAS-STRETCHER FRAME.

SPECIFICATION forming part of Letters Patent No. 449,875, dated April 7, 1891.

Application filed May 9, 1889. Serial No. 310,124. (No model.)

To all whom it may concern:

Be it known that I, CHARLES FAY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Stretcher-Frames, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a device for expanding a stretcher-frame, and consequently tightening the canvas thereon, the same being formed of a plate which is adapted to be rigidly secured to one side of the frame and adjustably connected with the adjacent side.

Figure 1 represents a perspective view of a stretcher-frame embodying my invention. Fig. 2 represents a longitudinal section thereof on line $x x$, Fig. 1.

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

Referring to the drawings, A designates a stretcher-frame formed of separated sides which are connected or coupled by plates B, the latter being preferably formed of metal, and each having an opening C at one end and a slot D at the other end. Through the opening C is passed the tack or short nail E, which is driven into the contiguous side of the frame, thus rigidly connecting the plate with said side. Through the slot D is passed a tack or short nail F, which is driven into the contiguous side of the frame, thus adjustably connecting the plate with said side, it being seen that the four corners of the frame are provided with plates B, each of which is attached as above stated. It will be seen that when the canvas or material employed is loose the keys G, which have one of their sides at right angles with their heads, the other side being inclined,

are introduced into the joints between adjacent sides of the frame, and driven thereinto until the canvas becomes taut, it being noticed that the plates retain their position; but the tacks E move laterally with the sides to which they are attached and slide in the slots D, whereby the frame remains true in its angularity. Each plate B has a lateral extension or limb B', in which is an opening E' to receive a tack or nail C', the plate thus being of angular form, whereby it is of increased length, and provided with additional means of fastening, owing to the tack or nail C', it being evident that the plates are prevented from turning on the tacks or nails E and F, and distortion of the frame is accordingly obviated. Each of the side pieces has one of its ends, which is squared, abutting against the side of another one of the pieces.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a canvas-stretcher frame, the side and end bars, in combination with plates having parts thereof fixedly attached to one bar and the other parts thereof adjustably connected to the adjacent bar, substantially as described.

2. A corner-connecting plate for a canvas-stretcher, having holes or apertures in one end thereof for immovable attachment to a portion of said stretcher, and a slot in the opposite end for adjustable connection to another portion of said stretcher, substantially as described.

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Witnesses:

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