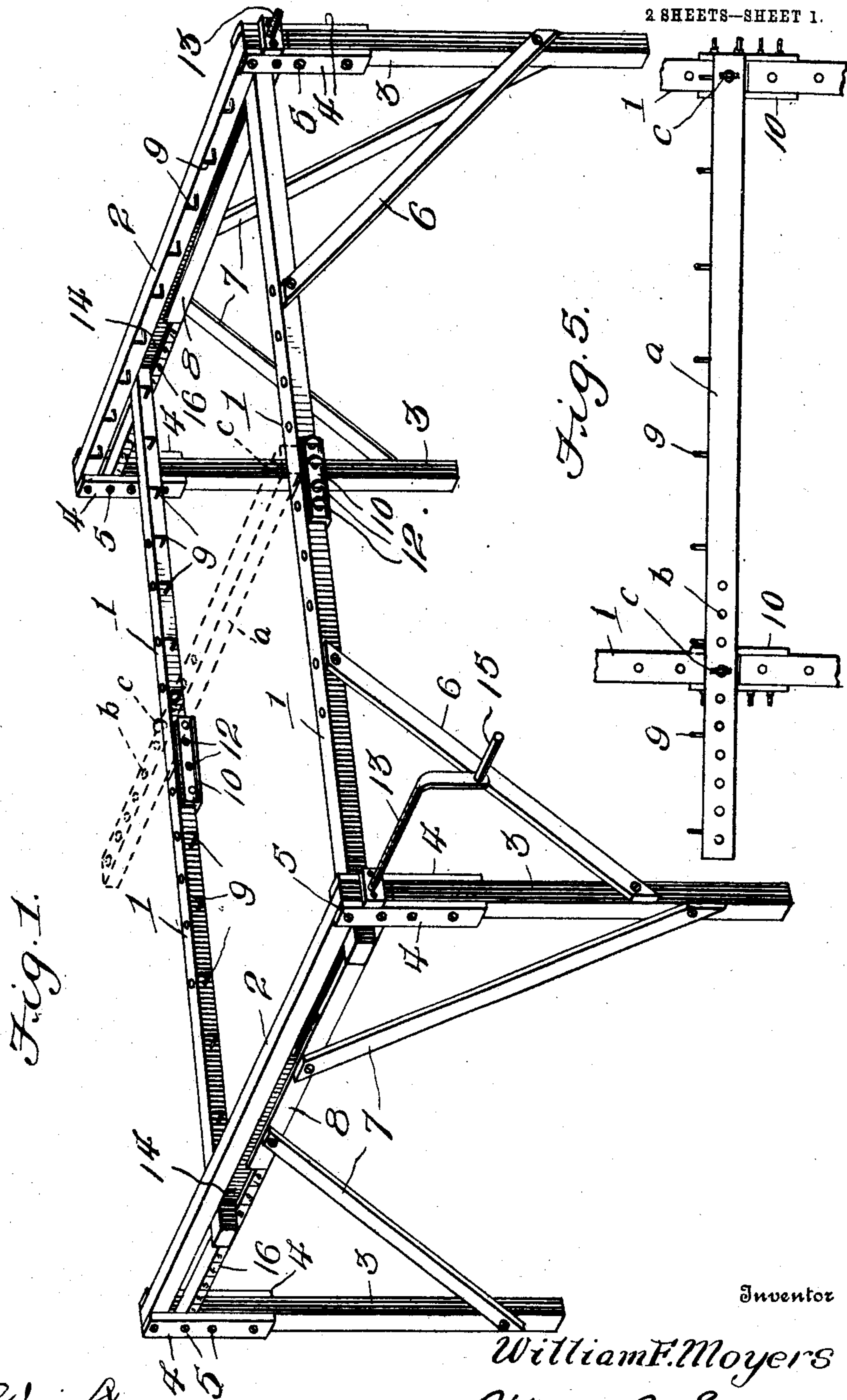


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LACE CURTAIN STRETCHER.
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906,910.

Patented Dec. 15, 1908.

2 SHEETS—SHEET 1.



Witnesses
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906,910.

2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

WILLIAM F. MOYERS, OF WILLIAMSBURG, KENTUCKY.

LACE-CURTAIN STRETCHER.

No. 906,910.

Specification of Letters Patent.

Patented Dec. 15, 1908.

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To all whom it may concern:

Be it known that I, WILLIAM F. MOYERS, a citizen of the United States of America, residing at Williamsburg, in the county of Whitley and State of Kentucky, have invented new and useful Improvements in Lace-Curtain Stretchers, of which the following is a specification.

This invention relates to lace curtain stretchers, and one of the principal objects of the same is to provide a stretcher or rack which can be packed in a small space, which can be quickly set up and which will stretch the curtain equally in all directions and leave the curtain square when finished.

Another object of the invention is to provide means for stretching lace curtains of various sizes which can be quickly adjusted and which will stretch the curtains at all points equally.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which,—

Figure 1 is a perspective view of a curtain stretcher made in accordance with my invention. Fig. 2 is an end view and partial section of the same. Fig. 3 is a detail section on the line 3—3 of Fig. 2. Fig. 4 is a detail perspective view of the splice bar for connecting the side rails. Fig. 5 is a detail plan view of the auxiliary bar.

Referring to the drawings for a more specific description of my invention, the numerals 1 designate the two sections of the side rails, and 2 are the end rails. Connected to the ends of the end rails are the legs 3, said legs being held in place by means of clamp plates 4, one upon each side of the legs, said plates being secured in place by means of screws 5. Diagonal braces 6 extend from the legs to the sections of the side rails 1, and similar braces 7 extend from the legs to the guideway 8 to be hereinafter referred to. The side rail sections 1 are each provided upon their inner sides with upwardly projecting hooks 9 preferably made of a non-corroding material, like brass, and the sections 1—1 are held together by means of the splice clamps 10 provided with registering bolt-holes 11 through which the thumb screws 12 pass. The splice clamps are substantially U-shaped in cross section, and the ends of the rails 1 fit within the clamp, and the thumb screws 12 pass through the apertures and through the ends of the sections 1. Should it be re-

quired to stretch a still longer curtain than the frame provides for a separate piece can be interposed between the two sections 1—1, and by means of an extra splice clamp the intermediate section can be held in place.

A threaded crank shaft 13 extends through each of the side legs on one side of the frame, said shaft extending through an aperture formed in the end of the sections 1 and the end of said shaft bearing against a sliding block 14 mounted to slide in the guideway 8 before referred to and to bear at one end against the side rails 1—1 at the back of the frame. It is to be understood that both of the shafts 13 are provided with a crank handle 15.

On the outer side of the guideway 8 a scale 16 is provided, said scale indicating inches and the purpose of the same being to indicate when the rear side rails 1—1 are equally adjusted at the opposite ends in order that the curtain being stretched may be perfectly square when finished.

The operation of my invention may be briefly described as follows: The lace curtains are connected at their marginal edges to the hooks 9, and the threaded shafts 13 are then operated to stretch the curtains transversely, as will be understood.

From the foregoing it will be obvious that a lace curtain stretcher made in accordance with my invention is of simple construction and that the curtains are stretched equally from end to end and from side to side.

As shown in Fig. 5 and in dotted lines in Fig. 1, I provide an auxiliary cross bar *a* having a series of perforations *b* therein, said auxiliary bar adapted to be secured to the side rails 1 by means of thumb screws *c*. The bar *a* is adapted to have a series of hooks similar to those 9 on the other bars, and the purpose of this auxiliary bar is to facilitate the stretching of small curtains.

Having thus described the invention, what is claimed as new, is:—

1. A curtain stretcher comprising sectional side bars having apertures adjacent the ends thereof, a U-shaped splice clamp connecting the sections of said bars, end bars, each of said end bars being formed with a guideway, a block slidable in the guideway and engaging one of the side bars, and a threaded crank shaft extending through the apertures in said side bars and engaging the block.

2. A curtain stretcher comprising sec-

tional side bars having apertures adjacent the ends thereof, a splice clamp connecting the sections of said bars, end bars, legs connected to said end bars by means of the
5 clamp plates, said plates spacing said end bars for forming a guideway, a block slidable in the guideway and engaging one of the side bars, a threaded crank shaft extending through one pair of legs and through
10 the apertures in said side bars and engaging said block.

3. A curtain stretcher comprising sectional side bars having apertures adjacent the ends thereof, a U-shaped splice clamp
15 connecting the sections of said bars, end bars, legs connected to said end bars by means of clamp plates, said plates spacing said end bars for forming a guideway, means slidable in the guideway and engaging one of the
20 side bars, and a threaded crank shaft extending through one pair of legs and through the apertures in said side bars and engaging said slidable means.

4. A curtain stretcher comprising sectional side bars having apertures adjacent
25 the ends thereof, a U-shaped clamp provided with registering apertures, means passing through said apertures for connecting the sections of said side bars, end bars, legs con-

nected to said end bars by means of clamp 30 plates, said plates spacing said end bars for forming a guideway, means slidable in the guideway and engaging one of the side bars, and a threaded crank shaft extending through one pair of legs and through the 35 apertures in said side bars and engaging said slidable means.

5. A curtain stretcher comprising sectional side bars having apertures adjacent the ends thereof, a U-shaped splice clamp 40 connecting the sections of said bars, end bars, each of said end bars being formed with a guideway, a block slidable in the guideway and engaging one of the side bars, and a threaded crank shaft extending 45 through the apertures in said side bars and engaging the block, an auxiliary bar intermediate said end bars, a removable connection between the auxiliary bar and one side bar, and an adjustable connection between 50 said auxiliary bar and the other side bar.

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

WILLIAM F. MOYERS.

Witnesses:

G. W. PATRICK,
W. M. ARCHER.