Aug. 1, 1933. J. LADIGO 1,920,573

CURTAIN STRETCHER

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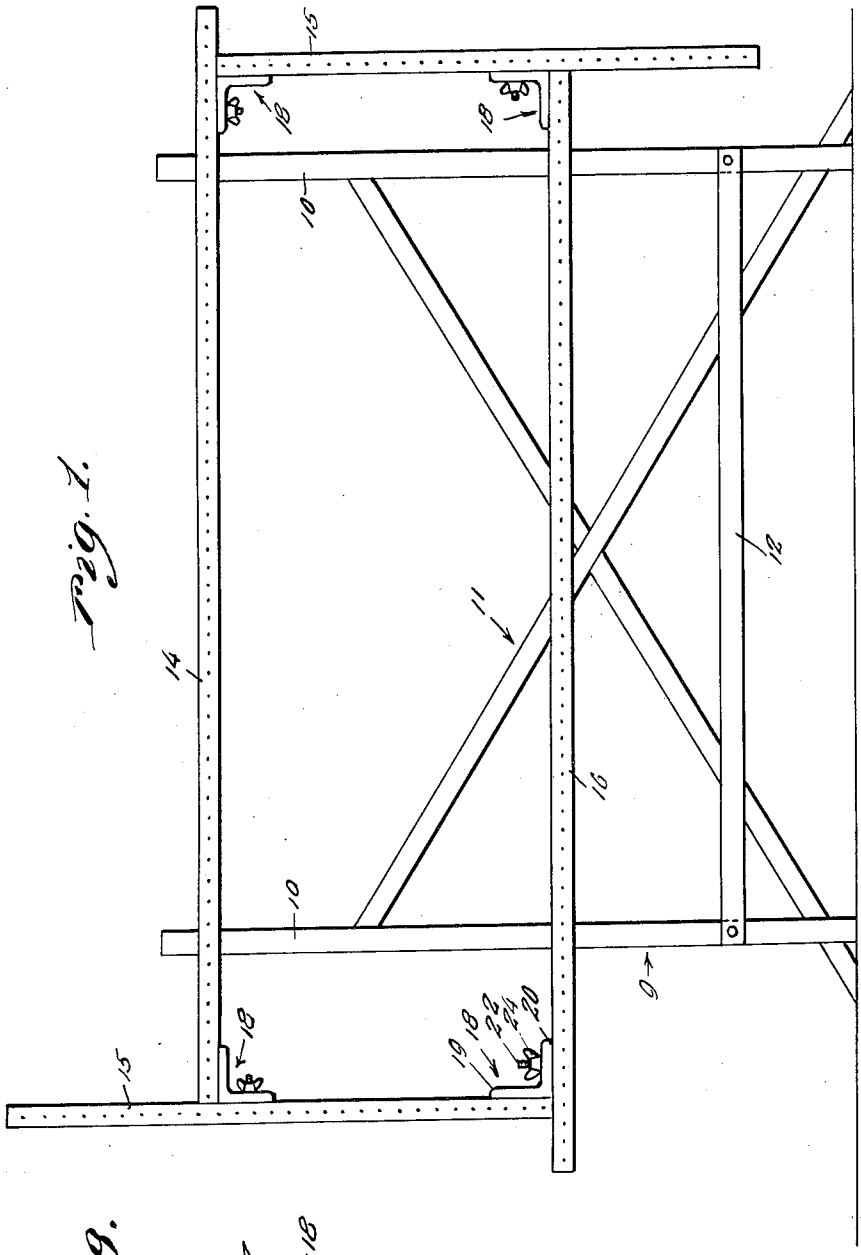


Fig. 1.

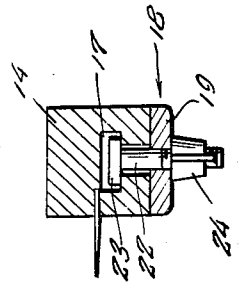


Fig. 8.

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CURTAIN STRETCHER

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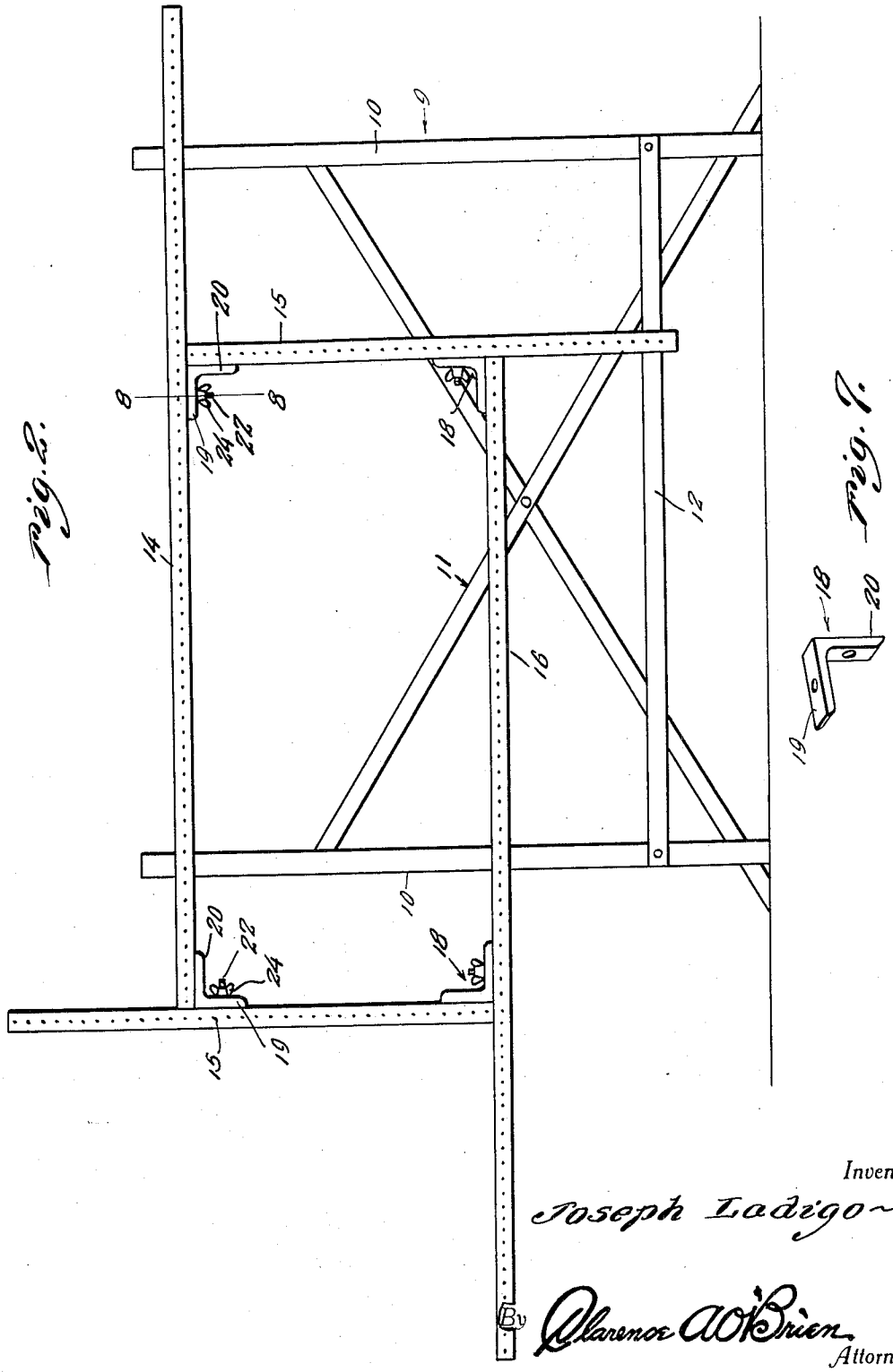


Fig. 2.

Fig. 3.

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CURTAIN STRETCHER

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Fig. 5.

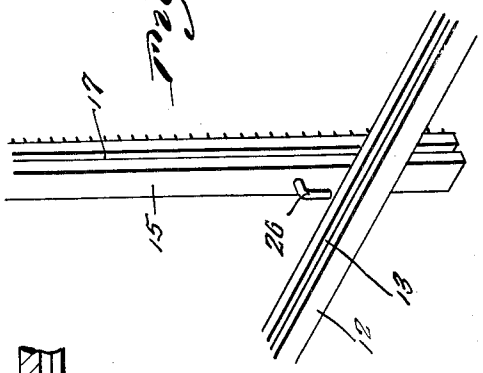


Fig. 6.

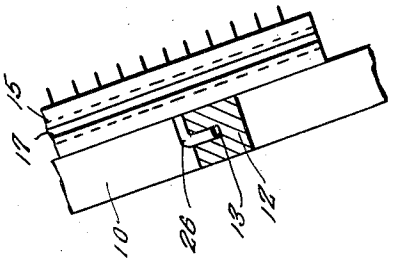


Fig. 4.

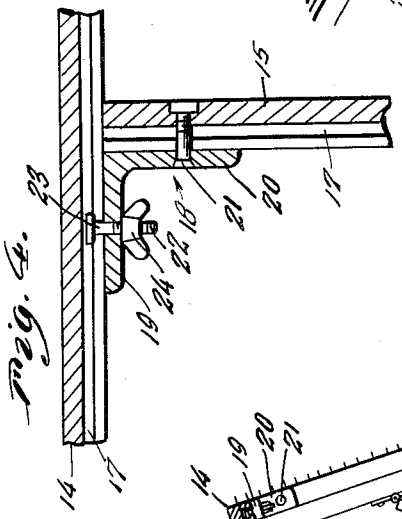
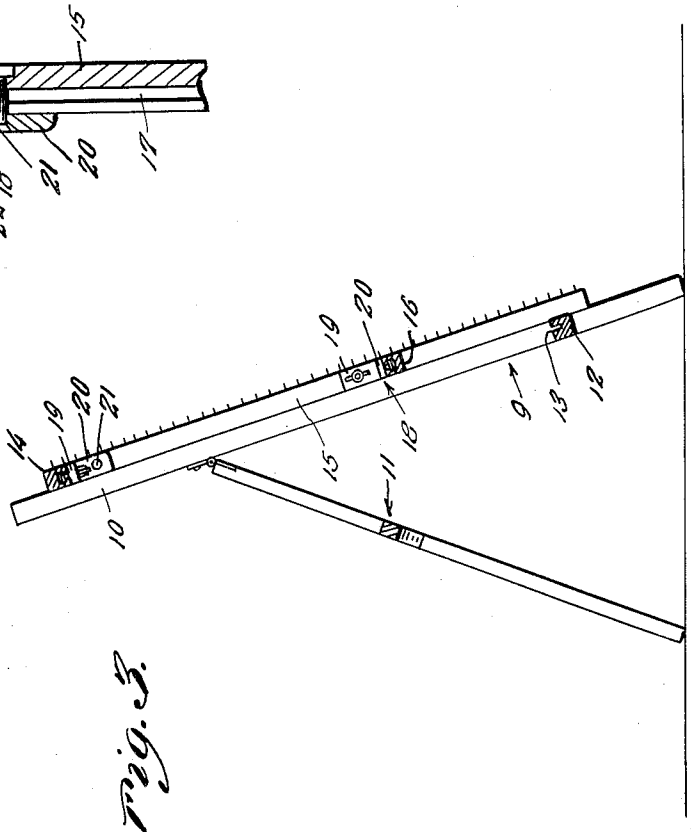


Fig. 3.



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UNITED STATES PATENT OFFICE

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CURTAIN STRETCHER

Joseph Ladigo, Struthers, Ohio

Application June 29, 1932. Serial No. 620,009

2 Claims. (Cl. 45—24)

This invention relates to an improved curtain stretcher and supports therefor.

More explicitly stated, the invention comprises an adjustable stretching frame whose parts are provided with customary retaining pins, said frame being attached to a support in the form of an easel, the complete arrangement being simple and effective, and highly desirable to promote expeditious use and gratifying results.

Other features and advantages of the invention will become more readily apparent from the following description and drawings.

In the drawings:

Figure 1 is a front elevational view showing the curtain stretcher extended or adjusted for use.

Figure 2 is a view like Figure 1 showing the frame retracted to smaller proportions in order to show the manner of adjustment.

Figure 3 is a vertical sectional view through the structures seen in Figures 1 and 2.

Figure 4 is a detail corner view of companion members or bars of the curtain stretching frame.

Figure 5 is a fragmentary perspective view showing one of the features of construction.

Figure 6 is a view similar to Figure 5 showing the features assembled.

Figure 7 is a detail perspective view of one of the right angle corner brackets.

Figure 8 is a section taken approximately on the plane of the line 8—8 of Figure 2.

In the drawings, the support or easel is distinguished by the numeral 9 and this comprises a pair of vertical end members 10 to which the prop 11 is hingedly connected. These members 10 are joined together at points adjacent their lower ends by a longitudinal rail 12 whose upper edge is grooved to form a guide track 13 which serves as a keeper in a manner to be hereinafter described.

The curtain stretching frame is made up of four distinguishable bars. The primary or top bar 14 is fixedly connected to the upper end portion of the end members 10 of the easel. The end bars of the frame are distinguished by the numerals 15 and the remaining longitudinal bar is indicated by the numeral 16. This is arranged in spaced parallelism with respect to the bar 14.

These bars 14, 15 and 16 are provided in their inner faces with T-shaped grooves 17 as shown in Figure 8, which grooves constitute guide ways. The bars are adjustably joined together through the medium of right angle brackets 18, all of duplicate construction. Each bracket comprises companion portions 19 and 20.

As seen in Figure 4, portion 19 is riveted as at 21 to the adjacent end of the complemental frame bar. A threaded stud 22 is connected to the remaining arm 19 of the bracket and has a head 23 which is adjustable in the guideway 17. Each stud is provided with a clamping or thumb nut 24. Under this arrangement there is a bracket rigidly fastened to one end of each bar while the other bracket has slidable clamping connection with the opposite end of the same bar. This provides the desired alternate attaching and sliding operation of parts.

In Figures 5 and 6, the numeral 26 designates a fixed keeper hook whose depending end portion is receivable in the keeper groove 13 so as to support the lower end of the right hand end bar 15 as shown in Figure 1.

The gist of the invention is in the provision of an easel including the especially grooved reinforcing and keeper rail 12 joined to the lower end portions of the end members 10, together with the pivoted top 11 for supporting the easel in an inclined position.

Attached to this easel through the medium of the fixed frame bar 14 is the adjustable curtain stretcher frame which as before stated is made up of the four bars 14, 15 and 16. Located in the corners of the curtain stretcher frame are the right angular brackets which provide the requisite joining and adjustable connection between the bars to allow them to be moved into requisite relationship for either expanding or contracting the effective curtain supporting area of the frame.

It is thought that the description taken in connection with the drawings will enable a clear understanding of the invention to be had. Therefore, a more lengthy description is thought unnecessary.

While the preferred embodiment of the invention has been shown and described, it is to be understood that minor changes coming within the field of invention claimed may be resorted to if desired.

I claim:

1. In a structure of the class described, an easel having a transverse reinforcing rail and including a foldable hinged prop, a curtain stretcher frame comprising spaced parallel longitudinal bars and transverse end bars adjustably connected together, one of said longitudinal bars being fixedly attached to the vertical end members of said easel, one of the end bars of said frame being provided adjacent its ends with a keeper hook, and the reinforcing rail of said

easel being provided with a longitudinal groove forming a guideway and keeper for said hook.

2. A curtain stretcher frame comprising a pair of horizontal bars and a pair of end bars, one end of each bar abutting the inner edge of an adjacent bar, each bar having an undercut groove in said inner edge, a pair of angle brackets connected to opposite ends of the horizontal bars, a pair of angle brackets connected to opposite ends of the end bars, a bolt carried by each bracket and having a part engaging an undercut groove of an adjacent bar, whereby the bars are adjustably connected together and nuts on the bolts for holding the parts in adjusted position.

JOSEPH LADIGO.