

1,035,627.

H. MORLEY.
CURTAIN STRETCHER.
APPLICATION FILED MAY 9, 1912.

Patented Aug. 13, 1912.
2 SHEETS—SHEET 1.

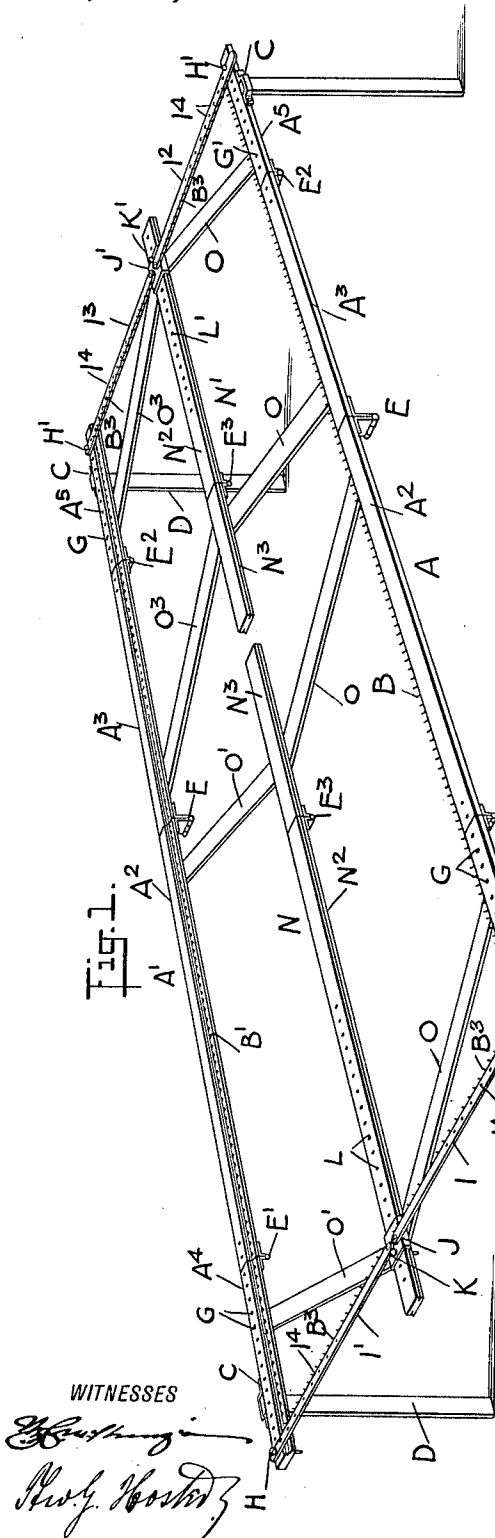
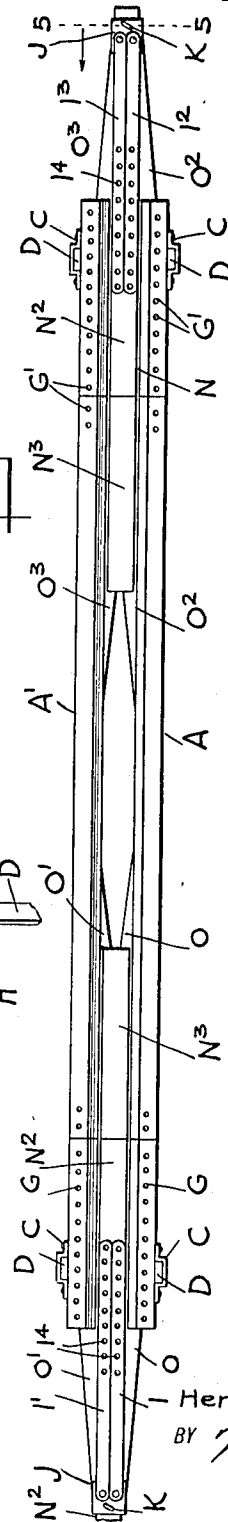


Fig. 2.



WITNESSES

Henry Morley
Wm. J. Hoston

INVENTOR

Henry Morley

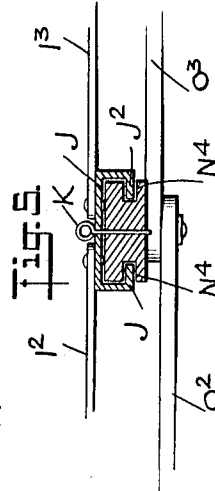
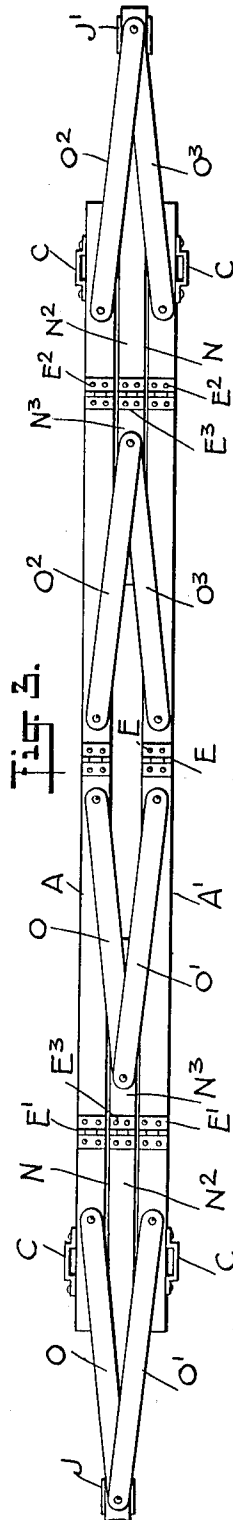
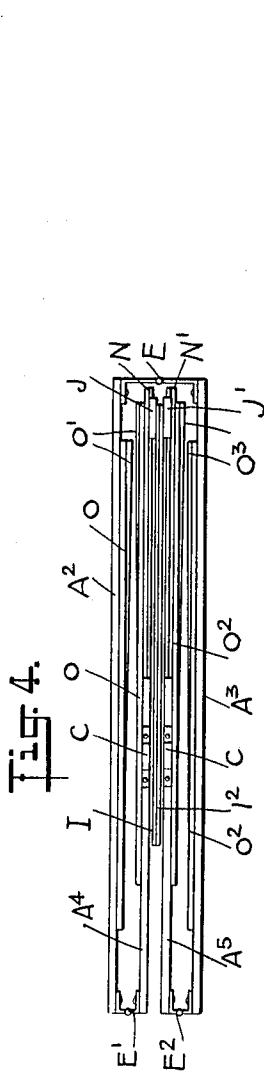
BY *Mum & Co*

ATTORNEYS

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Henry Morley
Rev. J. H. H. H.

INVENTOR

Henry Morley

BY

Mumford Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY MORLEY, OF PATCHOGUE, NEW YORK.

CURTAIN-STRETCHER.

1,035,627.

Specification of Letters Patent.

Patented Aug. 13, 1912.

Application filed May 9, 1912. Serial No. 696,069.

To all whom it may concern:

Be it known that I, HENRY MORLEY, a citizen of the United States, and a resident of Patchogue, in the county of Suffolk and State of New York, have invented a new and Improved Curtain-Stretcher, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved curtain stretcher arranged to fold with a view to provide a comparatively small bundle for conveniently storing the curtain stretcher when not in use and to allow quick and accurate adjustment to accommodate curtains of different sizes. For the purpose mentioned use is made of side rails, adjusting bars intermediate the said side rails, pairs of links connecting the adjusting bars with the said side rails, slides slidable on the adjusting bars, and end spacing bars pivotally connected with the said slides and adjustably connected with the said side rails to hold the latter spaced the desired distance apart.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the curtain stretcher in extended position ready for use; Fig. 2 is a plan view of the curtain stretcher partly folded; Fig. 3 is an inverted plan view of the same; Fig. 4 is a side elevation of the curtain stretcher with the parts in folded position; and Fig. 5 is an enlarged cross section of the curtain stretcher on the line 5—5 of Fig. 2.

The parallel side rails A and A' are provided along their inner edges with the usual hooks B, B' for engagement with the sides of the curtain to be stretched. The side rails A and A' are provided at the outside near the ends of the rails with sockets C for engagement by lugs D adapted to rest on the floor to support the curtain stretcher a desired distance above the floor or other support. Each of the side rails A and A' is formed of two middle sections A², A³, pivotally connected with each other at the under side by hinges E and end sections A⁴ connect by hinges E' with the sections A² and similar end sections A⁵ connect by hinges E² with the sections A³. The side rails A and A' are provided at their end portions with sets of apertures G and G' adapted to be

engaged by pins H, H' pivotally connecting the end or spacing bars I, I' and I², I³ with slides J, J' mounted to slide on the outer ends of adjusting bars N and N' parallel to the side rails A and A' and approximately midway between the same as plainly indicated in Fig. 1. The slides J and J' are engaged by pins K, K' adapted to engage apertures L, L' arranged on the outer ends of the adjusting bars N, N', each of which is preferably made in sections N², N³ connected with each other at the under side by a hinge E³. The inner edges of the spacing bars I, I' and I², I³ are provided with hooks B³ for engagement with the ends of the curtain to be stretched on the curtain stretcher. The outer ends of the spacing bars I, I' and I², I³ are provided with apertures I⁴ any one of which may be engaged by the corresponding pin H or H' to permit of setting the side rails A and A' the desired distance apart according to the width of the curtain to be stretched on the curtain stretcher. On removing the pins H, H' and K, K' the slides J and J' can be moved lengthwise on the adjusting bars N, N' according to the length of the curtain to be stretched on the curtain stretcher, it being understood that when the desired position is reached the pins K and K' are inserted in the slides J, J' and the corresponding apertures L, L', and the pins H, H' are inserted in the corresponding apertures I⁴ and G, G'.

It is understood that the spacing bars I, I' and I², I³ extend at all times at right angles to the side rails A, A' and the adjusting bars N, N'. Pairs of links O, O' are pivotally connected with the under side of the adjusting bar N and with the sections A⁴, A² of the side rails A, A', and similar pairs of links O², O³ connect the under side of the adjusting bar N' with the sections A³, A⁵ of the side rails A and A', it being understood that the said pairs of links O, O' and O², O³ form braces for the frame, to hold the same in rectangular position when the parts are extended for stretching the curtain, as indicated in Fig. 1.

From the foregoing it will be seen that by the arrangement described the rails A and A' can be readily moved toward or from each other by giving a corresponding longitudinal movement to the adjusting bars N, N' at the time the spacing bars I, I' and I², I³ are disconnected from the said side rails so as to permit of adjusting

the side rails according to the width of the curtain to be stretched at the time. It will also be noticed that by adjusting the spacing bars I, I' and I², I³ toward or from each other the curtain stretcher is adjusted according to the length of the curtain, it being understood that the ends of the curtain are attached to the hooks B³.

When it is desired to fold the curtain stretcher into a small bundle, the lugs D are removed from the sockets C, the pins H, H' are withdrawn to permit of swinging the spacing bars I, I' and I², I³ inward into position over the adjusting bars N, N' as plainly indicated in Fig. 2, at the same time the rails A, A' can be moved toward each other and close to the adjusting bars N, N' owing to the pairs of links O, O' and O², O³ connecting the adjusting bars N, N' with the said side rails A, A'. The sections A⁴ can be folded upon the sections A² and the sections A⁵ can be folded upon the sections A³, and then the folded up sections A', A² and A⁵, A³ can be folded one on top of the other, as indicated in Fig. 4, and in a like manner the sections N² and N³ of each of the adjusting bars N and N' can be folded one on top of the other so that the whole curtain stretcher forms a comparatively small bundle which takes up very little storage room.

By reference to Fig. 2, it will be noticed that when the side rails A and A' are moved alongside the adjusting bars N, N' then the hinges E³, E' and E³, E² are in transverse alinement with each other so as to permit of conveniently folding the bars one on top of the other, as shown in Fig. 4. By reference to Figs. 1 and 4 it will also be noticed that the hinges E are considerably longer than the hinges E', E² and E³ so as to accommodate the sections A⁴, A⁵ between the sections A², A³ of the rails A and A'.

The slides J and J' are preferably provided at their sides with inwardly-extending flanges J² (see Fig. 5) engaging correspondingly shaped grooves N⁴ formed in the sides of the adjusting bars N, N'.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent:

1. A curtain stretcher, comprising side rails, adjusting bars intermediate the said side rails, pairs of links pivotally connecting the said adjusting bars with the said side rails, slides mounted to slide on the said adjusting bars, and cross bars connected with the said slides and adjustably connected with the said side rails.

2. A curtain stretcher, comprising side rails, adjusting bars intermediate the said side rails, pairs of links pivotally connecting each adjusting bar with the said side rails, the links of each pair diverging from the corresponding adjusting bar, slides adjustably mounted on the said adjusting bars, and end cross bars extending at right angles to the said side rails and the said adjusting bars, the said cross bars being pivoted at their inner ends on the said slides and the outer ends of the cross bars being adjustably secured to the said side rails.

3. A curtain stretcher, comprising side rails provided with hooks and each formed of middle sections and end sections, the sections being hinged together, central adjusting bars each made in sections hinged together, slides mounted to slide on the said adjusting bars, fastening means for adjustably securing the slides to the said adjusting bars, end cross bars provided with hooks and arranged at right angles to the said side rails and the said adjusting bars, the said end cross bars being pivotally connected at their inner ends with the said slides, means adjustably connecting the outer ends of the said cross bars with the said side rails, and pairs of links pivotally connecting the said side rails with the said adjusting bars.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY MORLEY.

Witnesses:

JOHN DENNIS,
LEWIS M. EDWARDS.