E. DE LONG.

CURTAIN OR DRAPERY HOLDER.

APPLICATION FILED JULY 27, 1914.

1,178,302.

Patented Apr. 4, 1916.

4 SHEETS—SHEET 1.

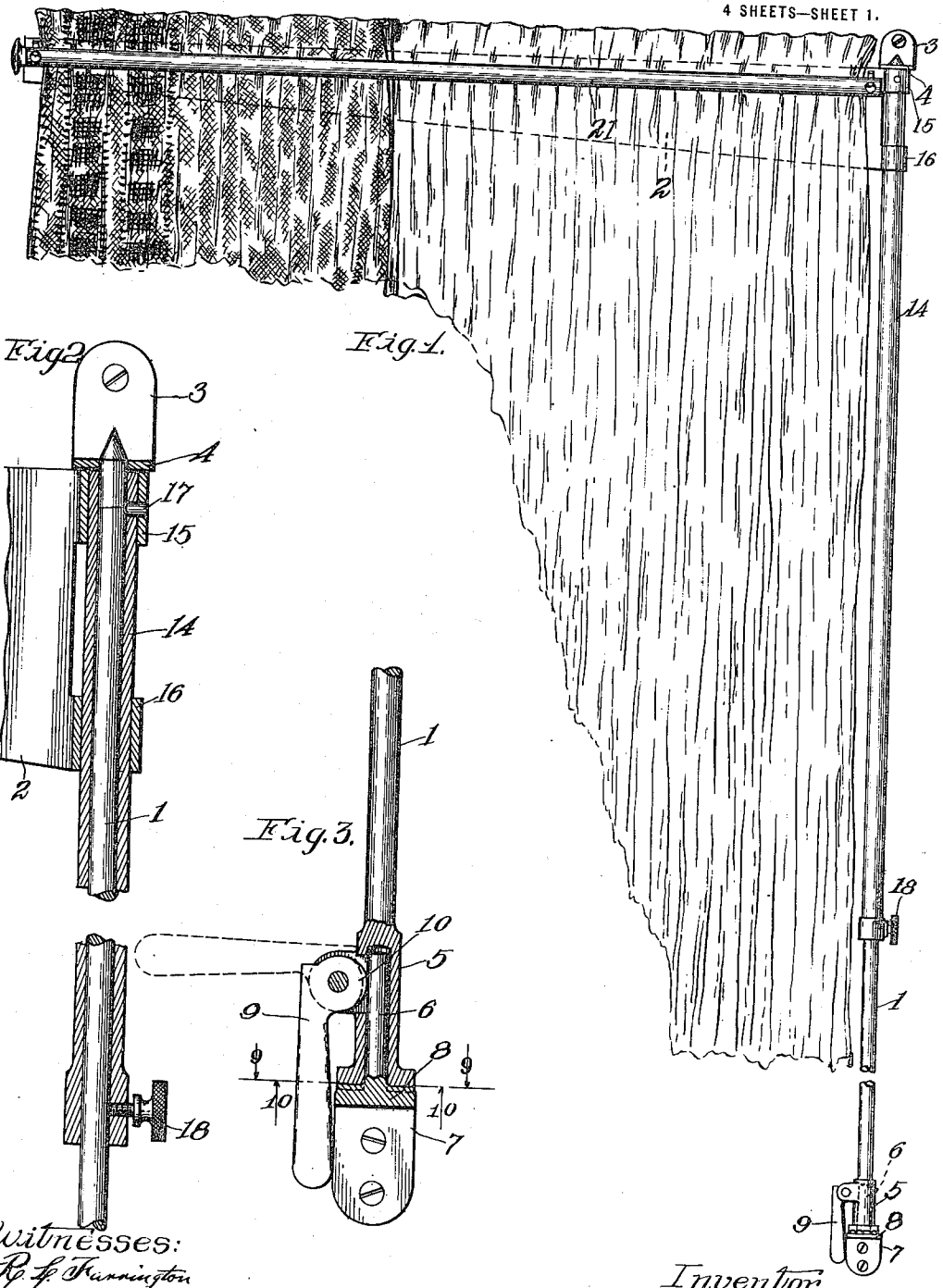


Fig. 1.

Fig. 2.

Fig. 3.

Witnesses:
R. F. Farrington
Blanche Chalmers.

Inventor
Ellen De Long
By Burton U. Hills
Atty.

E. DE LONG.

CURTAIN OR DRAPERY HOLDER.

APPLICATION FILED JULY 27, 1914.

1,178,302.

Patented Apr. 4, 1916.

4 SHEETS—SHEET 2.

Fig. 4.

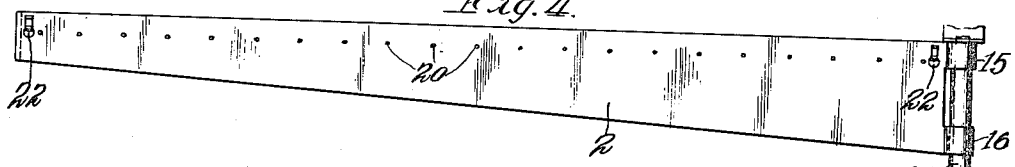


Fig. 5.

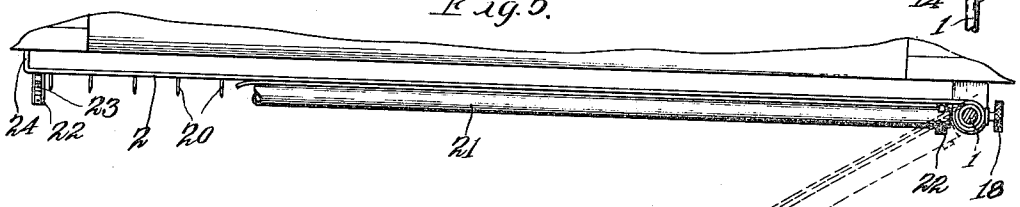


Fig. 7.

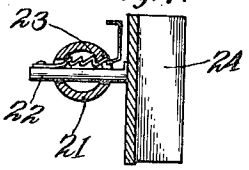


Fig. 6.

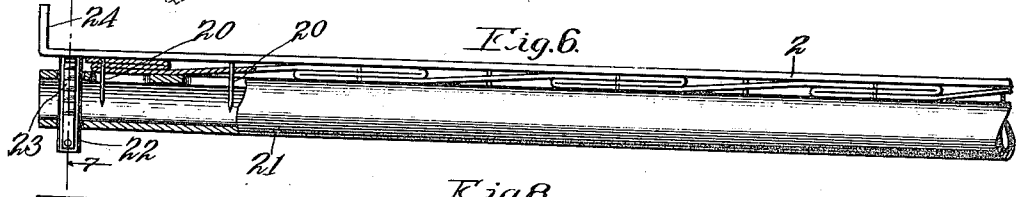


Fig. 8.

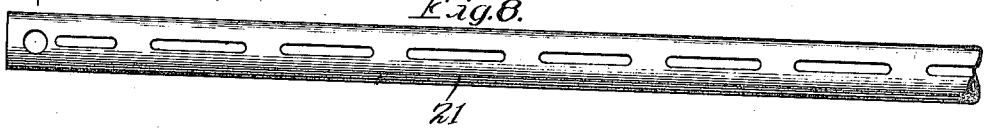


Fig. 9.

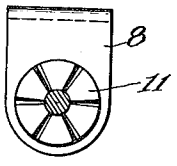
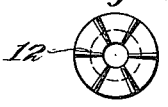


Fig. 10.



Witnesses:
R. L. Farrington
Blanche Chalmers.

Inventor
Ellen De Long
By Burton U. Hills
Atty.

E. DE LONG.

CURTAIN OR DRAPERY HOLDER.

APPLICATION FILED JULY 27, 1914.

1,178,302.

Patented Apr. 4, 1916.

4 SHEETS—SHEET 3.

Fig. 11.

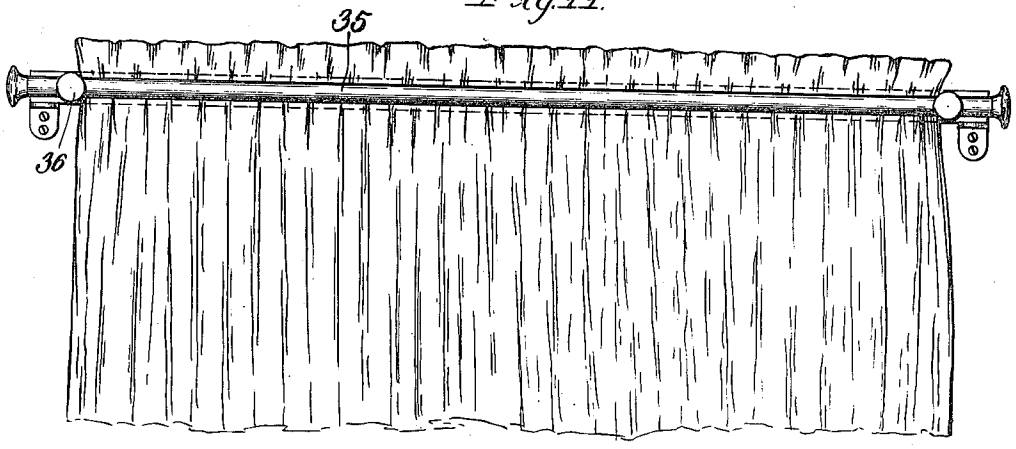


Fig. 12.

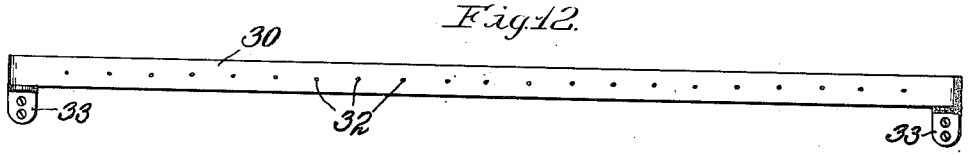
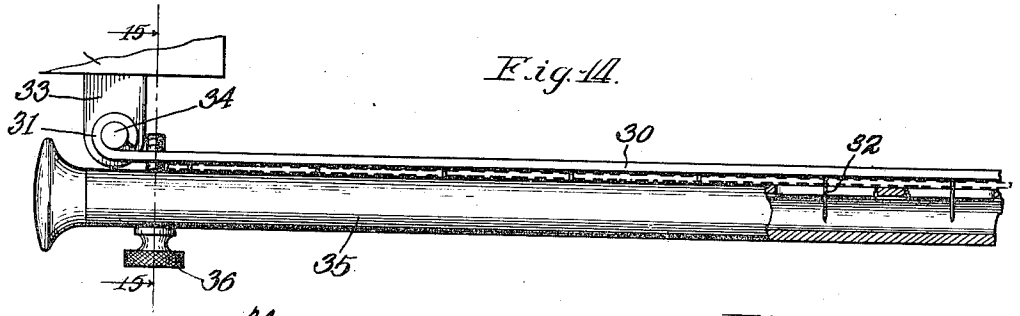


Fig. 13.



Fig. 14.



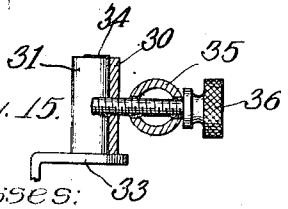
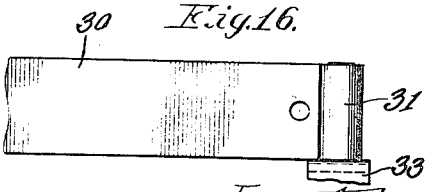


Fig. 15.

Fig. 16.



Witnesses:
H. L. Farrington
Blanche Chalmers.

Inventor
Ellen De Long.
By Benton J. Wells
Atty.

E. DE LONG.

CURTAIN OR DRAPERY HOLDER.

APPLICATION FILED JULY 27, 1914.

1,178,302.

Patented Apr. 4, 1916.

4 SHEETS—SHEET 4.

Fig. 17.

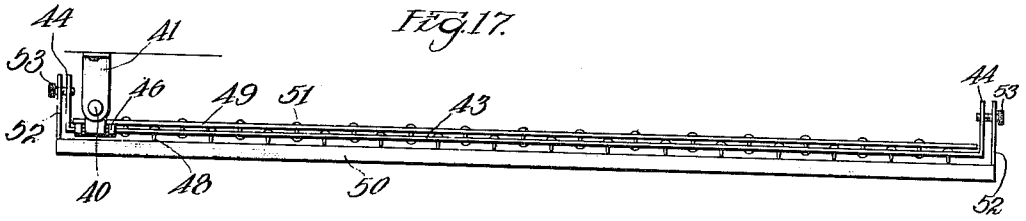


Fig. 18.

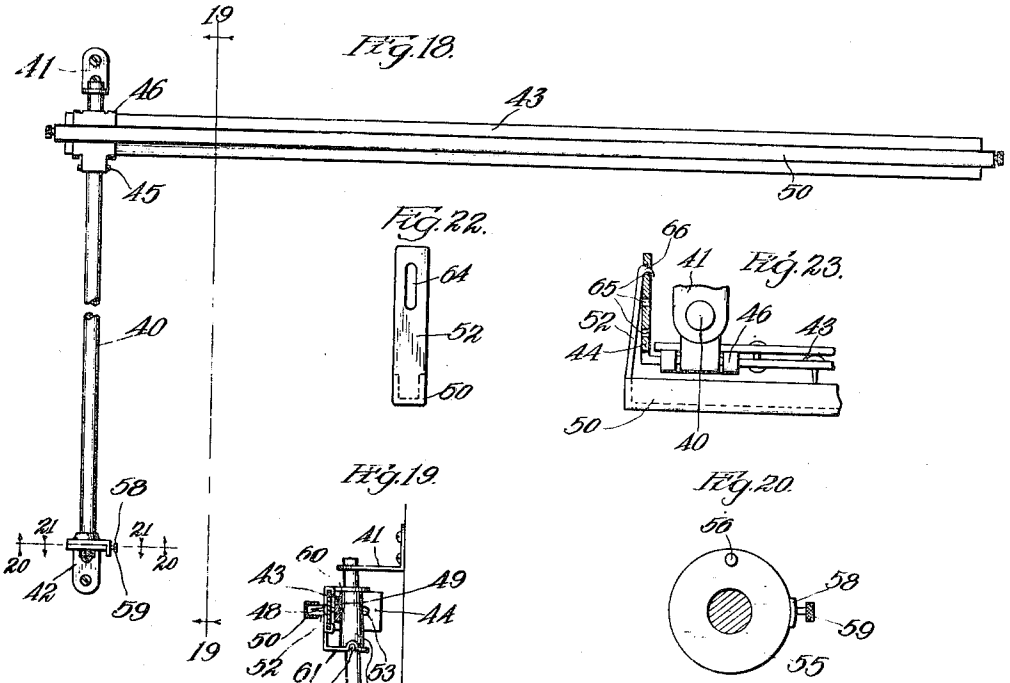


Fig. 22.

Fig. 23.

Fig. 19.

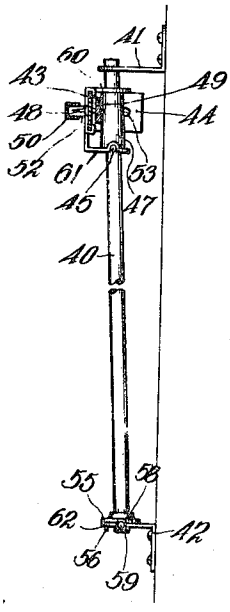
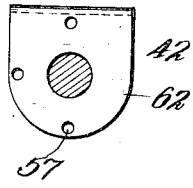


Fig. 20.

Fig. 21.



Witnesses:
Leo J. DeMass.
Blanche Chalmers.

Inventor:
Ellen DeLong.
By Burton U. Hills
Atty.

UNITED STATES PATENT OFFICE.

ELLEN DE LONG, OF CHICAGO, ILLINOIS.

CURTAIN OR DRAPERY HOLDER.

1,178,302. Specification of Letters Patent. Patented Apr. 4, 1916.

Application filed July 27, 1914. Serial No. 853,427.

To all whom it may concern:

Be it known that I, ELLEN DE LONG, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Curtain or Drapery Holders, of which the following is a description.

My invention relates to the rods or poles for supporting curtains or other draperies at windows, doors or other openings or portions of a structure.

The object of my invention is to provide a simple, convenient, durable and elegant device of the kind described wherein the curtain or drapery may be securely attached to the supporting pole without sewing, pinning or in fact any previous preparation of the curtain or the necessity of climbing or unpleasant reaching and the curtain or drapery may be swung back from the window or opening when desired or in fact entirely removed without climbing or reaching or in any manner disconnecting the curtain or drapery from the supporting mechanism.

To this end my invention consists in the novel construction, arrangement and combination of parts herein shown and described and more particularly pointed out in the claims.

In the accompanying drawings wherein like or similar reference characters indicate like or corresponding parts: Figure 1 is a front elevation of my device shown in operation supporting a curtain and drapery. Fig. 2 is an enlarged sectional detail of the upper end of the supporting rod and bearing of my device. Fig. 3 is a similar view of the lower end of the supporting rod and bearing and associated parts. Fig. 4 is a side view of the arm of my device. Fig. 5, is a plan view of my device with parts removed and broken away to more clearly show the construction. Fig. 6 is an enlarged fragmentary plan view of my device with parts removed and broken away to more clearly show the construction. Fig. 7 is a section taken substantially on line 7—7 of Fig. 6. Fig. 8 is a face view of a part of the keeper. Fig. 9 is a section taken substantially on line 9—9 of Fig. 3. Fig. 10 is a section taken substantially on line 10—10 of Fig. 3. Fig. 11 is a front elevation of a simplified form of my device. Fig. 12 is an elevation of my device shown in Fig. 11 with the retaining bar and curtain removed. Fig. 13, is a plan view of the parts shown in Fig. 12. Fig. 14 is an enlarged fragmentary plan view of the parts as shown in Fig. 11. Fig. 15 is a section taken substantially on line 15—15 of Fig. 14. Fig. 16, is a fragmentary rear elevation of the mechanism shown in Fig. 14 with the retaining bar and curtain removed. Fig. 17 is a plan view of another slightly modified form of my device. Fig. 18 is a rear elevation of the form of my device shown in Fig. 17. Fig. 19 is a section taken substantially on line 19—19 of Fig. 18. Fig. 20 is an enlarged section taken substantially on line 20—20 of Fig. 18. Fig. 21 is an enlarged section taken substantially on line 21—21 of Fig. 18. Fig. 22 is an end view of the keeper shown in Figs. 17 to 19. Fig. 23 is a fragmentary longitudinal section of a slightly modified form of the mechanism for attaching the keeper shown in Figs. 17 to 19 to the arm.

In the form shown my device consists of a substantially vertical rod 1 having an arm 2 rigidly secured thereto near its upper end and extending substantially at right angles to the rod. As shown a bracket 3 is rigidly secured to the window casing or other convenient portion and provided with a substantially horizontal part 4 having an opening formed therein adapted to serve as a bearing for the upper end of the rod 1, the lower end of the rod 1 is preferably tubular as at 5 adapted to receive a pin 6 upon a bracket 7 also rigidly secured to the window casing or wall in position to maintain the rod 1 in a substantially vertical position with the lower end of the rod preferably resting upon the horizontal portion 8 of the bracket. In the preferred construction a handle 9 is pivotally mounted upon a suitable portion of the part 5 with an eccentric 10 arranged to engage the pin 6 when the handle 9 is in the position shown in Figs. 1 and 3 to rigidly maintain the rod in position. When the handle is moved to the position shown in broken lines in Fig. 3 the eccentric releases the pin and permits the rod to freely turn. The handle 9 serving as a convenient means for controlling its position. In the preferred form also suitable teeth or notches 11 and 12 are formed upon the part 8 of the bracket 7 and the lower end of the rod 1 respectively, adapted to coöperate to partially control the position of the rod. The teeth however are preferably so

formed that a slight pressure upon the handle 9 will rotate the rod from one position to another. Any suitable means may be provided to rigidly clamp the arm 2 in position upon the rod. In the form shown a sleeve 14 is provided at the upper end of the rod 1 snugly fitting the same and the arm 2 is provided with a pair of sockets 15 and 16 snugly engaging the sleeve to prevent rotation between the arm and sleeve with a pin 17 or other suitable means extending through the walls of the sleeve and socket for positively securing the arm in position upon the sleeve. A suitable set-screw 18 or other convenient means is provided at the lower end of the sleeve 14 adapted to engage the rod 1 and rigidly lock the sleeve to the rod.

Any suitable means may be provided upon the arm 2 for attaching a curtain or drapery to the arm. In the form shown a plurality of pins 20 are provided upon the arm 2 projecting laterally at the face thereof and arranged substantially in a row near the upper edge of the arm. The several pins are substantially uniformly spaced from each other so that a curtain or drapery may be placed against the arm and engaging the pins to support the curtain at substantially regular intervals the entire length of the arm. Any suitable means may be provided for preventing the disengagement of the curtain from the pins 20. As shown a tubular keeper 21 is provided adapted to rest against the face of the arm 2 with suitable openings through its walls to receive and cover the points of the pins, with suitable means for rigidly attaching the keeper to the arm. In the form shown a stud 22 is provided near each end of the arm 2 projecting laterally therefrom and a suitable opening is provided near each end of the keeper 2 adapted to receive the stud to guide the keeper to its place upon the arm and rigidly maintain the same in position. Suitable means are also provided to maintain the keeper in position upon the studs 22. As shown a corrugated spring 23 is attached to the free end of the stud with the corrugations arranged to engage the wall of the keeper to maintain the keeper in position upon the stud. The free end of the spring 23 extends into a suitable position to provide means for conveniently releasing the spring from the keeper. In the preferred form also a part 24 is provided at the free end of the arm 2 adapted to engage the casing or other part of the wall to accurately gage the distance between the end of the arm and the wall.

In operation the curtain or drapery is suitably arranged upon the pins 20 and the keeper 21 engaged with the stud 22 to maintain the curtain in position. The rod 1 is thrust upward through the sleeve 14 and its projecting upper end is inserted in the bearing in the bracket 3, and thrust sufficiently through the bearing to permit the lower end of the rod to engage the pin 6 upon the bracket 7; when the rod is thus positioned the set-screw 18 is loosened and the sleeve 14 together with the arm 2 and curtain attached to the arm is slid upward on the rod to the desired position after which the set-screw is again operated to lock the parts in position, after which it is obvious that by rotating the rod the arm and curtain may be swung back from the window or other opening as desired and later returned again when required; the handle 9 being operated to control the movements of the rod and to lock the same in any desired position.

In the form shown in Figs. 11 to 16 inclusive the rod 1 is entirely omitted and the arm 30 corresponding to the arm 2 consists merely of a bar of substantially uniform width and the desired length with an eye 31 at each end extending transversely of and substantially parallel to the face of the bar. A plurality of pins 32 are provided projecting at the face of the bar, arranged in a row and uniformly spaced from each other substantially as hereinbefore described. Suitable brackets 33 are attached to the wall, one for each end of the bar, each provided with a pin 34 adapted to engage the eye 31 to support the bar and accurately maintain the same in position. The keeper 35 corresponds to the keeper 31 hereinbefore described and is preferably secured to the bar 30 by cap-screws 36 each extending through a suitable opening near the end of the keeper and engaging a threaded hole in the bar 30 to rigidly maintain the keeper in position. In this form the curtain or drapery is attached to the bar 30 substantially as in the form previously described and the bar is then positioned upon the brackets 33 with the eyes 31 engaging the pins 34.

In the form shown in Figs. 17 to 23 inclusive a rod 40 corresponding to the rod 1 is rotatably mounted upon suitable brackets 41 and 42 at the upper and lower ends of the rod respectively and an arm 43 is rigidly secured to the rod near its upper end sufficiently below the bracket 41 to permit the entire device to be thrust upward in the bearing in the bracket 41 sufficiently to disengage the lower end of the rod from the bracket 42. The arm 43 is arranged at substantially right angles to the rod 40 and projects at both sides of the rod with its extremities bent inward or toward the wall as at 44. Any suitable means may be provided for rigidly securing the arm to the rod 40 and to prevent rotation between them. As shown, a pin 45 extends transversely through the rod 40 near its upper end and a clip 46 is rigidly secured to the arm with laterally projecting parts 60 and 61 at its upper and lower ends respectively adapted to receive and snugly fit the rod. The lower

part 61 of the clip is provided with a notch 47 in its face adapted to receive the pin 45 and thereby prevent rotation between the rod and arm. The arm 43 is provided with any desired number of pins 48 extending through suitable openings in the arm with their points projecting at the face of the arm and a strip 49 is provided at the back of the arm adapted to engage the heads of the pins 48 and rigidly maintain the pins in position. Suitable rivet or other convenient means 51 are provided extending through the arm and strip to rigidly attach the strip to the arm. The keeper 50 preferably consists of a channeled member having a laterally projecting wing 52 at each end adapted to extend substantially parallel to the parts 44 of the arm when the channel covers the points of the pins. A suitable slotted opening 64 is provided in each wing 52 and a cap-screw 53 or other suitable means extends through the opening 64 in the wing and engages a threaded hole in the part 44 to clamp each wing to the corresponding part 44 to rigidly maintain the keeper 50 in position. If preferred a plurality of transverse slots 65 may be formed in each part 44 as shown in Fig. 23, and the wings 52 may each be provided with a hook 66 near its extremity adapted to enter any of the slots 65 to lock the keeper to the arm and provide for curtains of varying thicknesses.

When thus constructed the curtain or drapery is arranged upon the pins 48 substantially as hereinbefore described. The margin of the curtain however in this form may extend beyond the body of the arm between the parts 44 and wing 52 to completely conceal the rod 40 and bracket 42 when in service. Any suitable means may be provided to control the position of the rod 40 as shown, a flange 55 is provided at the lower end of the rod 40 and a pin or other suitable means 56 projects slightly from its lower face in position to coöperate with suitable openings or depressions 57 formed in the outstanding horizontal portion 62 of the bracket 42 to automatically lock the arm in the most desirable positions. In the preferred construction also a downwardly projecting ear 58 is provided upon the flange 55 having a set-screw 59 adapted to engage the edge of the portion 62 of the bracket 42 to maintain the parts in any intermediate position desired and to prevent lateral movement between the flange and part 62 to positively lock the parts against movement when the pin 56 engages an opening 57 in the bracket.

Having thus described my improvement it is obvious that various immaterial modifications may be made in my device without departing from the spirit of my invention, hence I do not wish to be understood as limiting myself to the exact form or construction shown.

What I claim as new and desire to secure by Letters Patent is:

1. In a drapery support, a rod, an arm mounted upon said rod near one end of the rod and means for rotatably and freely detachably supporting said rod in position, in combination with means upon said arm for detachably engaging a fabric and means for preventing the disengagement of the same.

2. In a drapery support, a rod, an arm rigidly mounted upon said rod near one end of the rod, and means for rotatably supporting said rod in position, in combination with means upon said arm for detachably engaging a fabric and means attached to said arm for preventing the disengagement of the same.

3. In a drapery support, a rod, an arm mounted upon said rod near one end of the rod and projecting at both sides thereof and means for rotatably supporting said rod in position, in combination with means upon said arm for detachably engaging a fabric, and means adjustably mounted upon said arm for preventing the disengagement of the same.

4. In a drapery support, a rod, an arm mounted upon said rod near one end of the rod, and means engaging the extremities only of said rod for rotatably supporting said rod in position, in combination with a plurality of pins upon said arm for detachably engaging a fabric and means mounted upon said arm for preventing the disengagement of the same.

5. In a drapery support, a rod, an arm mounted upon said rod near one end of the rod and means for rotatably supporting said rod in position, in combination with means upon said arm for detachably engaging a fabric and a removable bar formed to cooperate with said engaging means for preventing the disengagement of the fabric.

6. In a drapery support, a rod, an arm mounted upon said rod near one end of the rod and means for rotatably supporting said rod in position, in combination with means upon said arm for detachably engaging a fabric and means for preventing the disengagement of the same and means near the lower end of the rod for locking said rod in position.

7. In a drapery support, an arm, and a plurality of projecting pins upon said arm adapted to attach a fabric to said arm, in combination with a tubular keeper adapted to receive the ends of said pins to maintain said fabric on said pins, means for rigidly attaching said keeper to said arm and means for supporting said arm in position.

8. In a drapery support, an arm, and a plurality of projecting pins upon said arm adapted to attach a fabric to said arm, in

combination with a keeper adapted to maintain said fabric on said pins, means for rigidly attaching said keeper to said arm, means upon the arm for spacing said keeper from said arm, and means for supporting said arm in position.

9. In a drapery support, an arm, and a plurality of projecting pins upon said arm adapted to attach a fabric to said arm, in combination with a keeper adapted to maintain said fabric on said pins, means for rigidly attaching said keeper to said arm, means near the ends of said arm for spacing said keeper from said arm, and means for supporting said arm in position.

10. In a drapery support, an arm, and a plurality of projecting pins upon said arm adapted to attach a fabric to said arm, in combination with a keeper adapted to maintain said fabric on said pins, means for rigidly attaching said keeper to said arm, and means attached near one end of said arm for pivotally and detachably supporting said arm in position.

11. In a drapery support, an arm, and a plurality of projecting pins upon said arm adapted to attach a fabric to said arm, in combination with a keeper adapted to maintain said fabric on said pins, means for rigidly attaching said keeper to said arm and a rotatably mounted and freely detachable bar rigidly attached near one end of said arm for supporting said arm in position.

12. In a drapery support, an arm, and a plurality of projecting pins upon said arm adapted to attach a fabric to said arm, in combination with a keeper adapted to maintain said fabric on said pins, means for rigidly attaching said keeper to said arm, and means for supporting said arm in position and mechanism mounted upon said supporting means for controlling the position of said arm.

13. In a drapery support, an arm, and a plurality of projecting pins upon said arm adapted to attach a fabric to said arm, in combination with a keeper adapted to maintain said fabric on said pins, means for rigidly attaching said keeper to said arm, and a rotatably mounted bar rigidly attached to said arm near one end thereof for supporting said arm in position, and mechanism pivotally mounted upon said bar for controlling the position of said arm.

14. In a drapery support, an arm, and a plurality of pins arranged in a line longitudinally of and projecting laterally at one face of said arm adapted to attach a fabric to said arm, in combination with a keeper adapted to maintain said fabric on said pins, means for rigidly attaching said keeper to said arm and means rotatably mounted upon but freely detachable from the object to which said support is attached for supporting said arm in position.

In testimony whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

ELLEN DE LONG.

Witnesses:
BLANCHE CHALMERS,
BURTON U. HILLS.