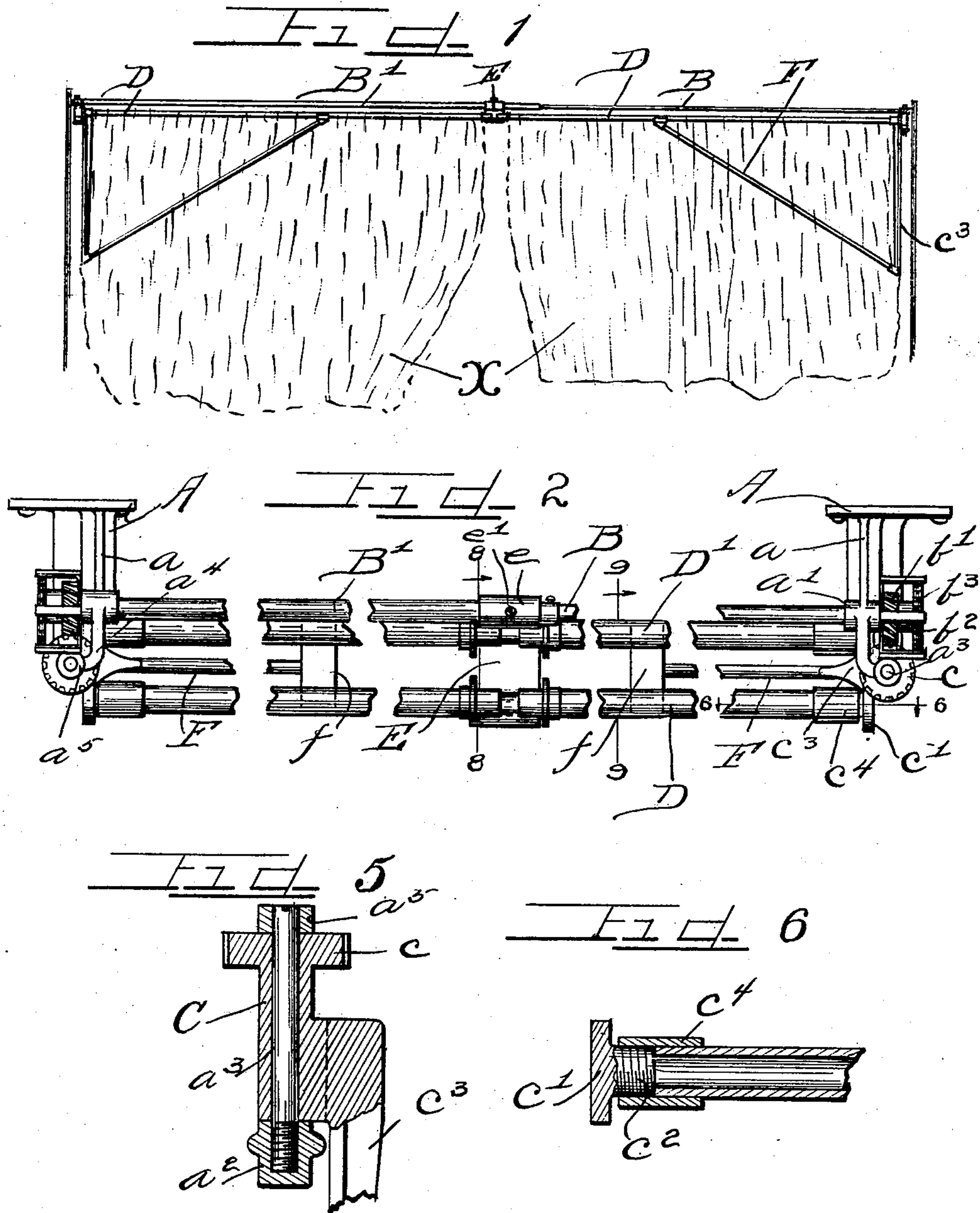


904,537.

G. JONES.
CURTAIN FIXTURE.
APPLICATION FILED JULY 13, 1907.

Patented Nov. 24, 1908.
2 SHEETS—SHEET 1.



WITNESSES
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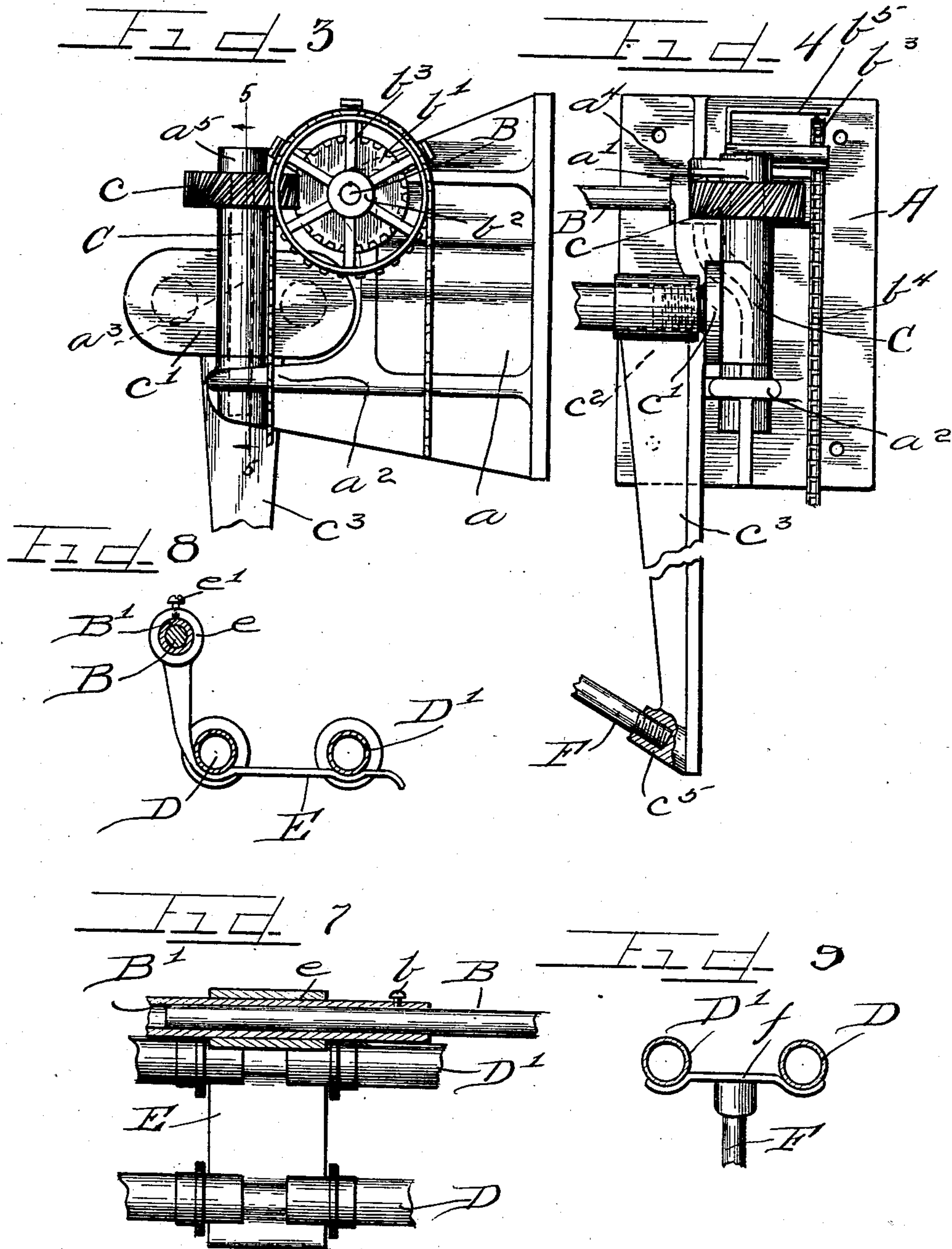
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UNITED STATES PATENT OFFICE.

GEORGIANA JONES, OF CHICAGO, ILLINOIS.

CURTAIN-FIXTURE.

No. 904,537.

Specification of Letters Patent.

Patented Nov. 24, 1908.

Application filed July 13, 1907. Serial No. 383,653.

To all whom it may concern:

Be it known that I, GEORGIANA JONES, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Curtain-Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in curtain hangers and fixtures and particularly one adapted for supporting lace curtains, drapery, tapestries, etc.

When cleaning and airing the rooms (and sometimes when desiring to obtain a view through the window) where lace curtains or drapery are used it is necessary to support the curtains in such position that they do not obstruct the window to prevent free flow of the dust laden air and to prevent the same from being drawn through the window where the draft is considerable. At these times the curtains are always disarranged and frequently so handled by servants as soon to require laundering, and as curtains are usually hung, a part of the curtain is in position to catch the dust from the outflowing air.

It is an object of this invention to provide a curtain hanger to support the curtain before the window draped as usual or in any suitable manner, and adapted to swing the curtain as a whole away from the window any desired distance to expose a part or all of the windows.

It is a further object of this invention to provide a device of the class specified capable of adjustment to secure curtains of different size and in which either part of the curtain may be easily and quickly removed independently of the other.

It is a further object of my invention to provide a device capable of supporting either the lace curtains alone or both a lace curtain and tapestry or drapery and capable of swinging both simultaneously to expose the window.

It is a further object of my invention to provide a positively and instantaneous oper-

ating device exceeding strong and durable, and of few parts and cheap to manufacture.

The invention consists in the matters hereinafter described and more fully pointed out and defined in the appended claims.

On the drawings: Figure 1 is a front face view of a device embodying my invention with the curtains hung thereon. Fig. 2 is an enlarged top plan view of a device embodying my invention with parts broken away. Fig. 3 is an enlarged end elevation thereof with part omitted. Fig. 4 is an enlarged front elevation of one of the brackets and mechanisms for actuating the curtain rods. Fig. 5 is a section taken on line 5—5 of Fig. 3. Fig. 6 is an enlarged section on line 6—6 of Fig. 2. Fig. 7 is an enlarged fragmentary view of the driving shafts with one of the same in longitudinal section and the supporting bracket and ends of the curtain rods. Fig. 8 is a section taken on line 8—8 of Fig. 2. Fig. 9 is an enlarged fragmentary section taken on line 9—9 of Fig. 2 with parts omitted.

As shown in said drawings: A indicates a plate of any suitable material and size provided with apertures for reception of the screws as is usual. Integral with said plate is a bracket a , provided with a bearing a' , to receive one end of one of the telescoping drive shafts B—B' which are rigidly secured together in any adjustment by the set screw b . A gear b' having its teeth at an angle of 45° with the axis is keyed or otherwise secured on the extremity of each of said shafts beyond the bearing, and integrally connected therewith by means of a hub b^2 is a sprocket wheel b^3 around which is trained a chain b^4 for actuation which is prevented from leaving the sprocket wheel by a suitable guard b^5 . Integral with said bracket a is an extension a^2 having a threaded aperture therein near its outer end in which is threaded the vertical shaft a^3 upon which is journaled a sleeve C having a gear c integral therewith, the teeth of which also have a 45° angle and mesh with those of the gear b on the drive shaft and a brace arm a^4 having a bearing a^5 at its outer end rigidly engages the top of said shaft a^3 . Integral with said sleeve is a bracket c' provided at each end thereof on opposite sides

of the sleeve with an inwardly directed threaded boss c^2 , and a central integral arm c^3 extends downwardly from said bracket between said bosses c^2 as shown in Figs. 1, 3 and 4.

A sleeve c^4 , is threaded on each boss c^2 and each is adapted to receive therein the outer end of one of the curtain rods D—D' which in length are approximately half the width of the window. The inner ends of said rods are supported on a bracket E which is concaved in its top to receive the ends of the rods and which is provided with an integral sleeve e rigidly secured to the shaft section B', by means of a set screw e' .

Threaded in a boss c^5 , at the lower end of each arm c^3 , is a bracing rod F, to the upper end of which is secured the supporting plate f , which is concaved at each side to receive the curtain rods thereon and if desired may be rigidly secured to the rods.

The operation is as follows: The curtains X are secured to the rods D as usual, and if a tapestry or heavy curtain is employed the same is secured to the rods D' in any preferred manner as shown in Fig. 1 and of course the curtains may be draped as desired. When desired to move the curtains to expose the window or to part said curtains the chain f^4 is actuated which operates the shafts B—B' to swing the bracket E downwardly and simultaneously actuates the shaft or sleeve C through the gears $b—c$ to swing the curtain rods D—D' laterally any desired distance or until they lie flat against the wall thus leaving the window opening entirely unobstructed. When it is desired to return the curtains to normal a reverse pull on either chain swings the curtain rods D—D' and bracket E simultaneously to normal, said bracket preventing the rods moving beyond the normal position.

The support f and brace rod F afford great rigidity for the curtain rods intermediate the ends and firmly support the curtain rods when they are swung out of normal position.

It is seen that should it be desired either half of the curtain may be removed independent of the other by simply removing the shaft a^3 which is provided with a notch for engagement with a screw driver or suitable tool and then the tubular shaft C is free for removal. Furthermore the shafts may be extended for curtains and windows of various lengths. While I have shown the device as adapted to support both a lace curtain and a heavy curtain or tapestry, obviously only one curtain rod may be used if preferred and that the bracing rods F are concealed behind said curtain providing a very neat appearance. Also while I have shown my invention embodied as a curtain

support for window curtains, yet it is well adapted to support portières for doors or is adapted for use in supporting wind and storm curtains oftentimes used for entrance doors.

Numerous changes in construction may be made and details may be varied without departing from the principle of this invention and I therefore do not purpose limiting this application for patent otherwise than necessitated by the prior art.

I claim as my invention:

1. The combination with curtain rods of mechanism for simultaneously swinging all of said curtain rods to expose the window and a support for the adjacent ends of all the rods adjustable by said mechanism simultaneously with said rods.

2. The combination with curtain rods of a length approximately half the width of the window to which they are attached of mechanism for swinging the rods, a downwardly extending arm secured to the swinging mechanism, a rod removably secured to said arm and directed at an angle upwardly and a support secured to the upper end of said rod adapted to support the curtain rods intermediate their ends.

3. The combination with curtain rods of means adapted to actuate the same, brackets supporting each end of the rods and means supporting and bracing said rods intermediate the ends thereof.

4. A swinging curtain rod, an extensible shaft connected to swing the same and a bracket rigidly secured to and rotatable with the shaft for supporting the curtain rod in normal position.

5. A curtain rod pivoted to swing from one end, a shaft connected therewith to actuate the same, means rotating the shaft to swing the rod and means bracing said rod intermediate its ends.

6. In a device of the class described rods, each hinged to swing on the sides of the window of a bracket for supporting the inner ends of each rod, a sectional telescoping drive shaft and mechanism actuated by rotation of said shaft for swinging all the rods simultaneously.

7. In a device of the class described the combination with a drive shaft of means for actuating the same, a curtain rod comprising pivotally supported sections adjacent thereto and operative connections between each section of said rod, and said driving shaft whereby actuation of the driving shaft is adapted to simultaneously move each section of said rod laterally.

8. In a device of the class described the combination with a plurality of rods of brackets for supporting the same, sleeves removably engaging the outer ends of the rods

to the brackets, a drive shaft connected to swing the rods away from the window by rotation thereof and means supporting the rods in any position.

5 9. In a device of the class described the combination with supporting rods of bracing means therefor intermediate the ends of each a drive shaft, flexible means for rotating the same and means actuated by said shaft for
10 simultaneously moving the rods in a horizontal plane.

10. In a device of the class described the combination with curtain rods of means supporting the same to swing laterally with the
15 curtains thereon and means operated by co-acting gears to swing said curtain rods laterally.

11. In a device of the class described the combination with a drive shaft of a shaft
20 journaled transversely thereof, a rod supported thereby and intermeshing gears on said shafts acting to transmit rotation from the drive shaft to the other shaft to swing the rod.

12. In a device of the class described the combination with a driving shaft of a shaft
25 journaled adjacent the same, intermeshing gears on said shafts, curtain rods carried by one of said shafts and adapted to be swung thereby and means for operating the drive
30 shaft.

13. In a device of the class described the combination with a telescoping drive shaft, of a curtain rod supported adjacent the same
35 and means imparting a horizontal motion to the curtain rod for a rotary motion of the drive shaft.

14. In a device of the class described the combination with oppositely disposed brackets of an extensible drive shaft journaled
40 therein, a gear on each end thereof, a shaft journaled on each bracket transversely of the aforesaid shaft, gears thereon intermeshed with the gears on the drive shaft, removable
45 rods carried by each of said last named shafts, an arm depending below each transverse shaft and means rigidly engaged thereto adapted to brace the rods.

15. In a device of the class described the combination with oppositely disposed brackets of bearings integral therewith, telescoping sectional drive shafts journaled therein,
50 an extension integral with said bracket having a threaded aperture in its outer end, a shaft rigidly secured therein, a tubular shaft journaled on the same and removable therefrom, intermeshing gears on the drive and
55 the tubular shaft, curtain rods supported by the tubular shaft and means for actuating the drive shaft thereby imparting a lateral
60 movement to the curtain rods.

16. In a device of the class described the combination with brackets of an adjustable

drive shaft journaled on said bracket, a support secured thereto, a threaded boss integral therewith, a sleeve threaded on said
65 boss, curtain rods engaged at one end in said sleeve and resting on said support at the opposite ends, means bracing and supporting the rods intermediate the ends and operative
70 connections between said shafts adapted to drive the last named shaft when the drive shaft is actuated.

17. In a device of the class described the combination with a drive shaft of a shaft
75 journaled transversely thereof, intermeshing gears on said shafts, a bracket integral with the transverse shaft, an integral threaded boss at each end thereof, a sleeve threaded thereon, rods having their outer ends secured in said sleeves, means supporting the
80 rods at their inner ends, an arm integral with the transverse shaft, a rod engaged thereto at one end, a table rigidly engaged thereto at its opposite end adapted to support the rods intermediate their ends, a
85 sprocket engaged to the drive shaft and a chain for operating the same.

18. In a device of the class described the combination with brackets of a bearing
90 integral with each, a sectional drive shaft having the outer end of each section journaled therein and telescoping at their inner ends, means rigidly securing said shafts together, a rigid shaft secured to the bracket extending
95 transversely of the drive shaft, a tubular shaft journaled thereon and adapted to be removed therefrom, a bracket carried by the tubular shaft, rods connected at one end with the bracket, means rigidly secured to
100 the drive shaft to support the opposite ends of the rods, means connected with the tubular shaft adapted to support the rods intermediate their ends, operative connections between said drive and tubular shafts and
105 means for actuating the drive shaft.

19. In a device of the class described pivotally supported curtain rods, each having a length approximately half the width of a window, a shaft operatively connected with
110 the rods adapted by rotation thereof to turn the rods laterally, means adapted for manual actuation to rotate said shaft and a guard for the actuating mechanism.

20. In a device of the class described the combination with brackets of tubular shafts
115 pivoted thereto, curtain rods, means for removably connecting the rods at one end with said shafts, means for supporting the rods intermediate the ends and means for turning
120 the rods and supports to expose the windows.

21. In a device of the class described curtain rods, rotatable shafts connected with the outer ends of the rods adapted to swing
125 the rods laterally from the window, mechan-

ism for rotating the shafts and a guard for the actuating mechanism.

22. In a device of the class described a driving shaft, a shaft driven by rotating the driving shaft, means for actuating the driving shaft, curtain rods removably connected with the driven shafts and an adjustable bracket adapted to support the inner ends of said rods.

23. In a device of the class described the combination with laterally adjustable curtain rods, mechanism for supporting the same at the outer ends, adjustable means supporting the inner ends of the rods when in normal position and means for actuating the supporting mechanism.

24. In a device of the class described a sectional telescoping driving shaft, a tubular shaft, intermeshing gears on said shafts, sleeves rigidly engaged to the tubular shafts, curtain rods, each secured at one end in the appropriate sleeve and an adjustable bracket on the driving shaft adapted to support the inner ends of the curtain rods in normal position.

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

GEORGIANA JONES.

Witnesses:

C. W. HILLS,

K. E. HANNAH.