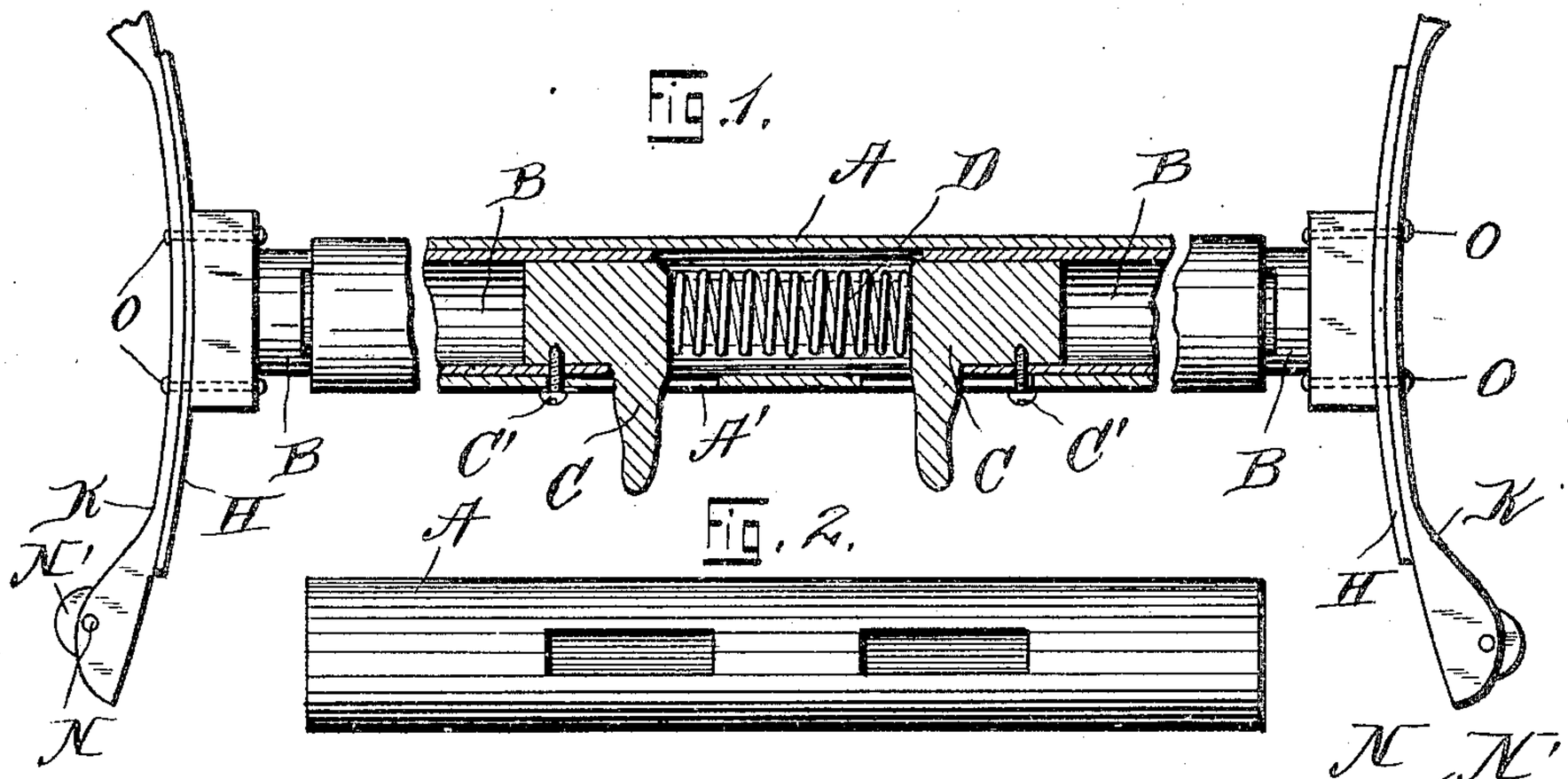
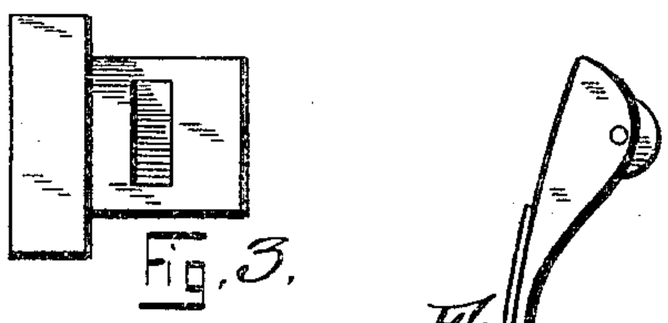
No. 804,101. PATENTED NOV. 7, 1905.

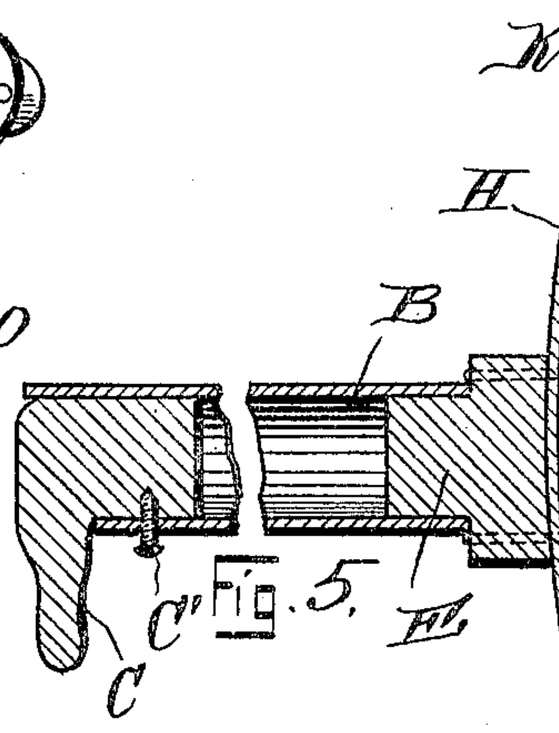
J. COOK.

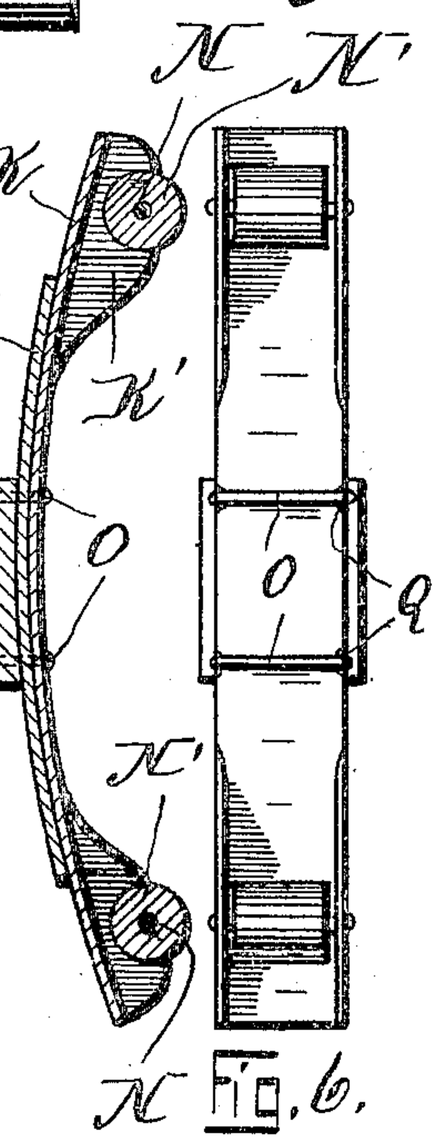
CURTAIN HOLDER AND ADJUSTER.

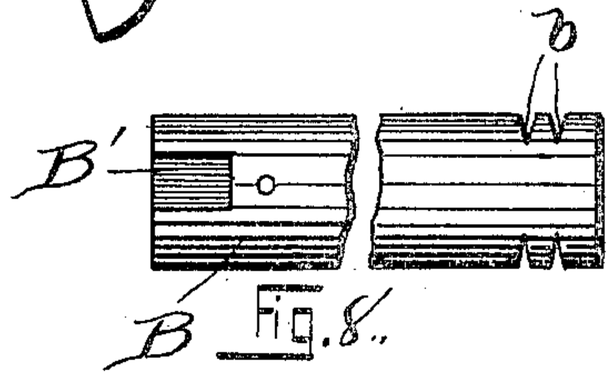
APPLICATION FILED JULY 28, 1904. RENEWED SEPT. 1, 1905.











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UNITED STATES PATENT OFFICE.

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CURTAIN HOLDER AND ADJUSTER.

No. 804,101. Specification of Letters Patent. Patented Nov. 7, 1905.

Application filed July 28, 1904. Renewed September 1, 1905. Serial No. 276,773.

To all whom it may concern:

Be it known that I, JUDSON COOK, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Curtain Holders and Adjusters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use 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 new and useful improvements in curtain-holders; and the object of the invention is to produce a simple and efficient means for holding a curtain, either closed or partially so; and it consists in the provision of various details of construction and in combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which—

Figure 1 is a central vertical section through a portion of my improved curtain-holding apparatus. Fig. 2 is a detail view of a cylindrical shell in which the movable parts work. Fig. 3 is a detail view of a part of the invention. Fig. 4 is a side elevation of one of the spring-actuated roller-carrying members. Fig. 5 is a sectional view through the form disclosed in Fig. 4. Fig. 6 is an end view of Fig. 4. Fig. 7 is a detail view of a finger for moving one end of the apparatus, and Fig. 8 is a detail view of a part of the invention.

Reference now being had to the details of the drawings, A designates a cylindrical shell in which the movable parts of the apparatus work and contains two shells B, which are of similar construction and which have a longitudinal telescoping movement within the shell A. Each shell B, a detail view of which is shown in Fig. 8, carries a finger-operating member C, the body portion of which is retained in the shell by means of a thumb-screw C′, while the finger projects through an aperture A′ in the shell A and in a registering recess B′ in the shell B, the shape of said recess being shown clearly in Fig. 8 of the drawings. The two finger-operating mechanisms, which are of similar construction, are held in the position shown in Fig. 1 by means of a spring D, and within the outer end of each shell B is fitted a plug E, held in place in any suitable manner, as by means of notches *b* in said shell, as seen in Fig. 8, and after the contracted end of the plug is fitted into the shell B the portions of the shell B intermediate said notches *b* at positions diametrically opposite are depressed into said contracted portion of the plug, thereby securely holding the same in place, Fig. 4 of the drawings showing the portion between two of said notches as inwardly depressed. In contact with the outer concave face of each plug is a plate H, and K designates a flexible bar, having flanges K′ near the ends thereof, which are bent in planes parallel with each other and carrying pintles upon which the antifriction-rollers N′ are journaled. Staples O pass through the enlarged or headed ends of each plug and serve to hold the said flexible bar to the bar H, which is also flexible, in the position shown in Fig. 1 of the drawings. It will be observed upon reference to Fig. 6 of the drawings that said staples engage notches Q at points opposite each other in the edges of the flexible bars H and K and serve to hold the same from longitudinal movement.

By the provision of the apparatus shown and described it will be observed that a simple and efficient means is provided for holding a curtain, either closed or partially so, by which the flexible bars, carrying antifriction-rollers at its ends, serve to guide the rollers within the grooves in which the rollers are adapted to work, and the roller-carrying bars are securely held to the spring-actuated plugs, mounted within the shell, without impairing the efficiency of the bars by forming apertures therein, which necessarily weakens the same, additional pressure being provided for by the extra bar, which is held against the concave ends of the plug fitted to the shell.

While I have shown a particular detailed construction of apparatus illustrating the features of my invention, it will be understood that I may make alterations, if desired, in the detailed construction of the same without in any way departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A curtain holding and adjusting apparatus, comprising two spring-actuated shells and a casing therefor, a plug fitted within the outer end of each of said shells, an imperforate, flexible bar, having parallel flanges at the ends thereof, pintles mounted in said flanges, antifriction-rollers mounted upon said pintles and means carried by said plugs for fastening said flexible bars thereto, as set forth.

2. A curtain holding and adjusting apparatus, comprising two spring-actuated shells and casing therefor, a plug fitted in the outer end of each of said shells, an imperforate, flexible bar, having parallel flanges adjacent to its ends, antifriction-rollers mounted between said flanges, a second bar in contact with the face of the roller-carrying bar, staples carried by said plug and adapted to fasten said bars thereto, as set forth.

3. A curtain holding and adjusting apparatus, comprising two spring-actuated shells and a casing in which the same are mounted, a plug fitted to the outer end of each shell, a flexible bar fitted to each plug and having flanges near its ends, antifriction-rollers mounted between said flanges, a second flexible bar carried by each of said plugs, registering notches in the edges of said bars, staples engaging said notches and adapted to fasten said bars to said plug, as set forth.

4. A curtain holding and adjusting apparatus, comprising a spring-actuated member and a casing therefor, a plug fitted to the outer end of said member, a flexible bar, having parallel flanges at the ends thereof, pintles mounted in said flanges, antifriction-rollers mounted upon said pintles and means carried by said plugs for fastening said flexible bars thereto, as set forth.

5. A curtain holding and adjusting apparatus, comprising a spring-actuated member, and a casing therefor, a plug fitted to the outer end of said member, a flexible bar, having flanges adjacent to its ends, antifriction-rollers mounted between said flanges, a second bar in contact with the face of the roller-carrying bar, staples carried by said plug and adapted to fasten said bars thereto, as set forth.

6. A curtain holding and adjusting apparatus, comprising a spring-actuated rod and a casing in which the same is mounted, a plug fitted to the outer end of said rod, a flexible bar fitted to the plug and having flanges near its ends, antifriction-rollers mounted between said flanges, a second flexible bar carried by said plug, registering notches in the edges of said bars, staples engaging said notches and adapted to fasten said bars to said plug, as set forth.

7. In a curtain-holding device the combination with a curtain-stick, of a flat flexible bar of curved formation located at the end of the stick, antifriction-surfaces at the ends of the bar and a reinforcing flexible bar interposed between the said other bar and the stick.

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

JUDSON COOK.

Witnesses:
ISADORE STERN,
GEO. W. CLEMENT.