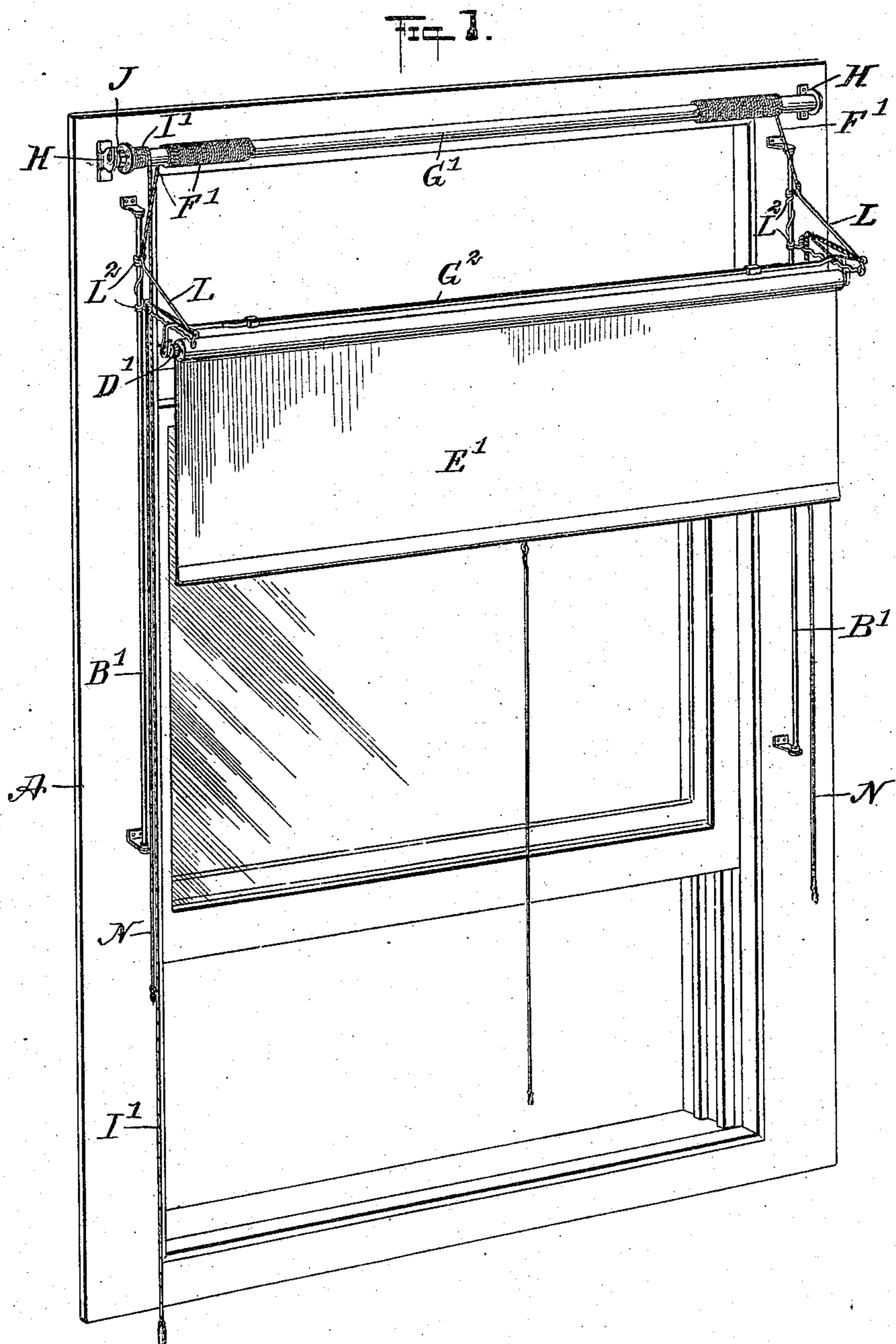


No. 847,903.

PATENTED MAR. 19, 1907.

N. F. CAPPS.
WINDOW SHADE ADJUSTER.
APPLICATION FILED JAN. 31, 1906.

2 SHEETS--SHEET 1.



WITNESSES:

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2 SHEETS—SHEET 2.

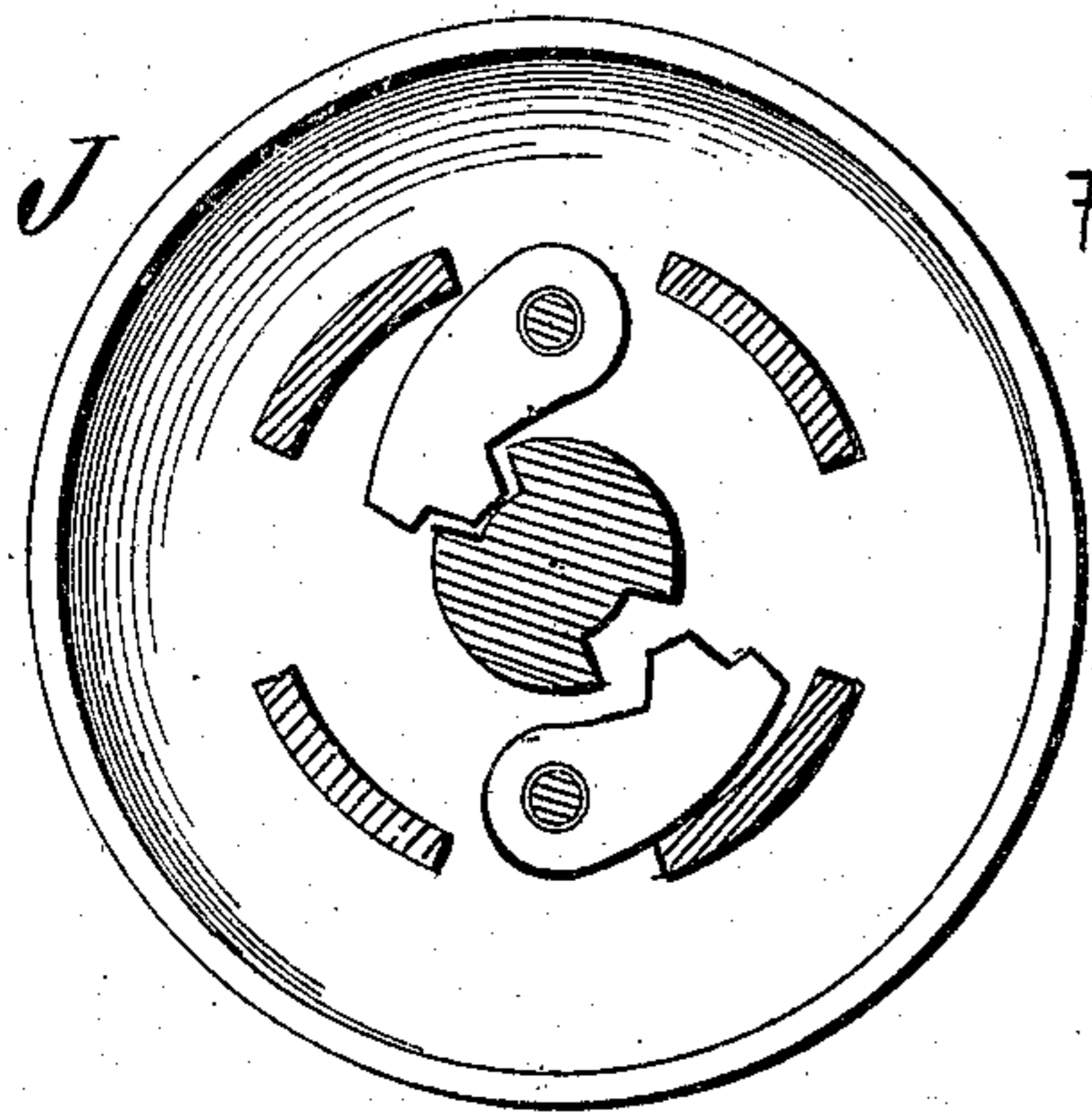


Fig. 4

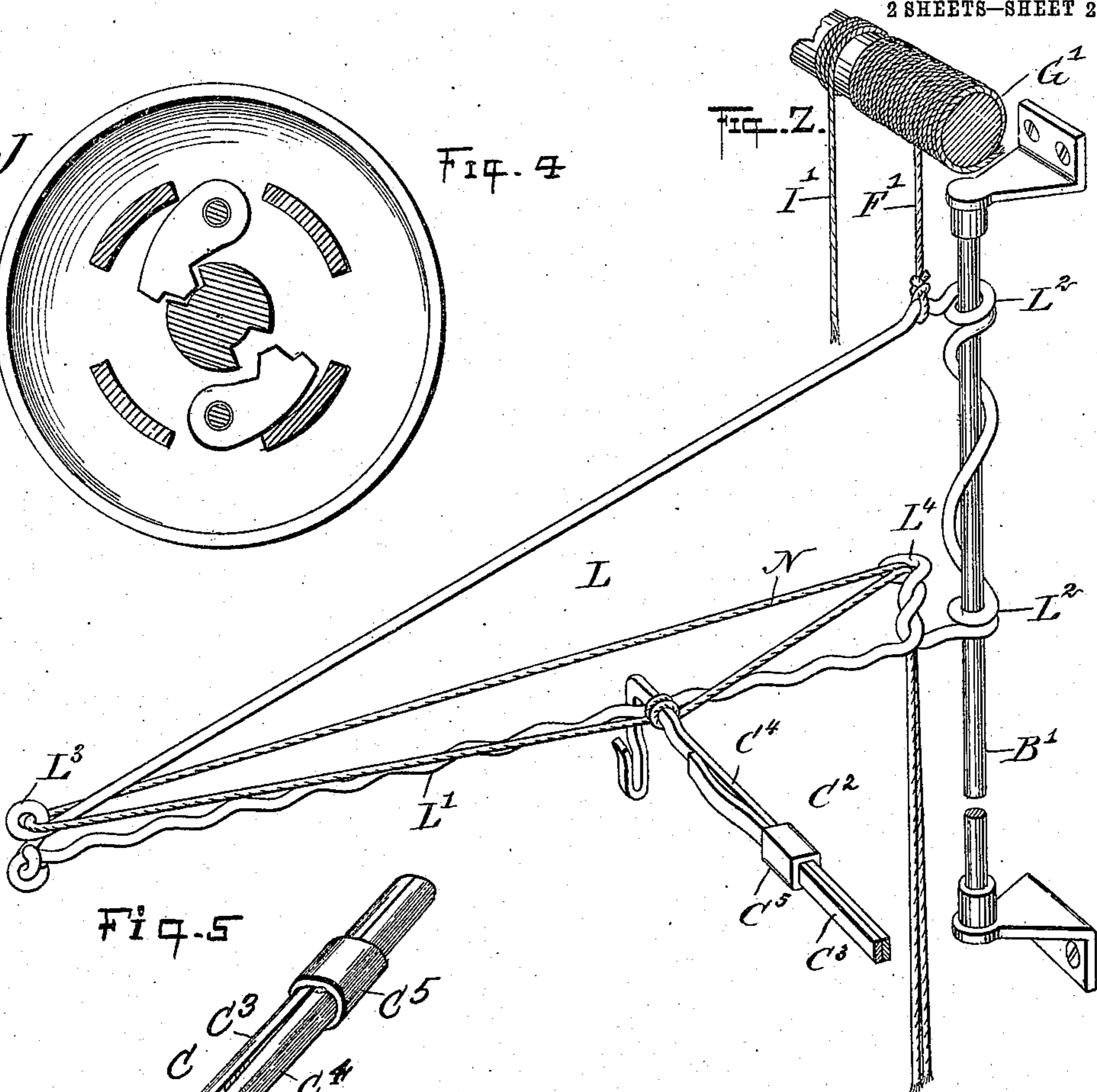


Fig. 5

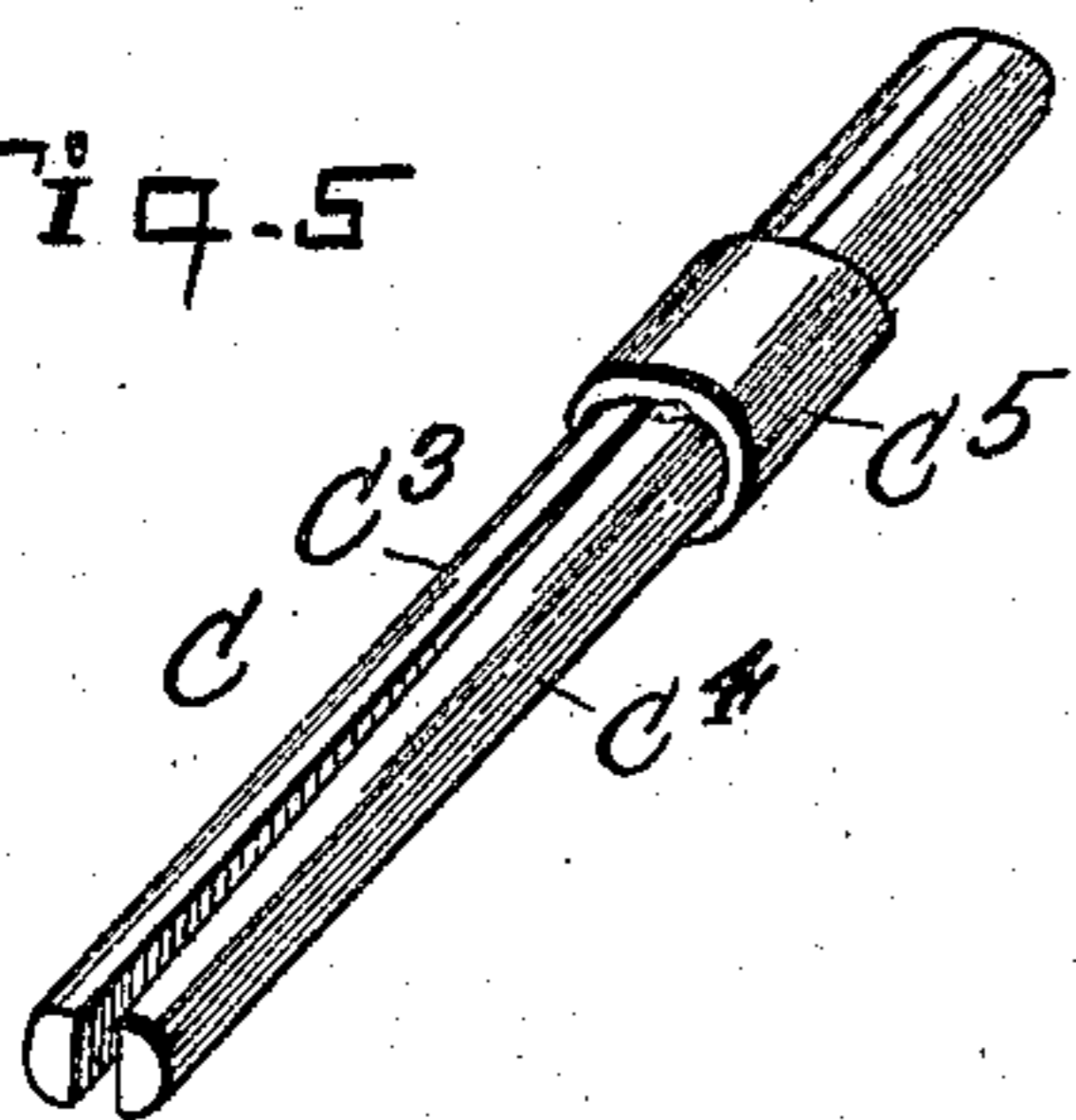
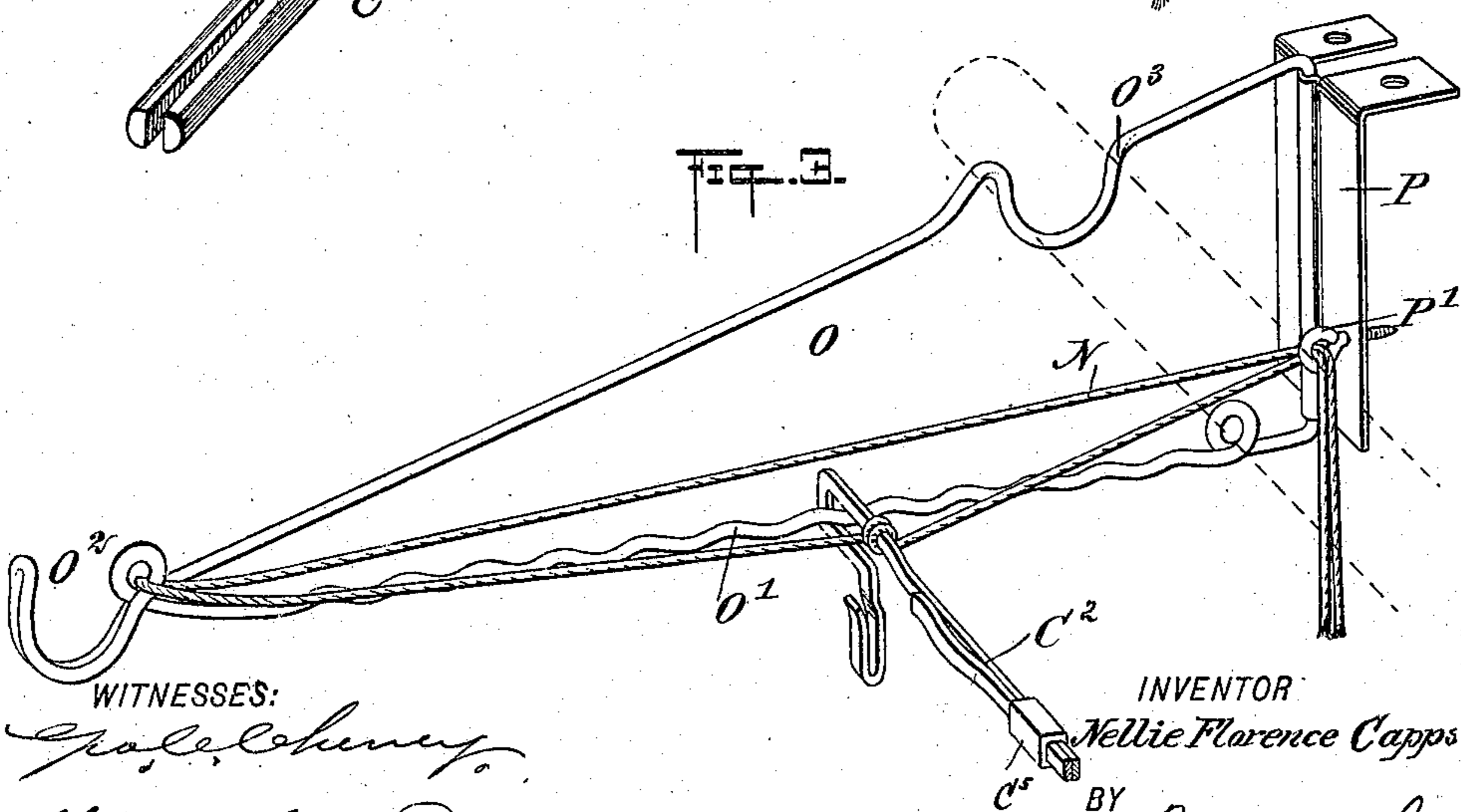


Fig. 6



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UNITED STATES PATENT OFFICE.

NELLIE FLORENCE CAPPS, OF RED BLUFF, CALIFORNIA.

WINDOW-SHADE ADJUSTER.

No. 847,903.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed January 31, 1906. Serial No. 298,777.

To all whom it may concern:

Be it known that I, NELLIE FLORENCE CAPPS, a citizen of the United States, and a resident of Red Bluff, in the county of Tehama and State of California, have invented a new and Improved Window-Shade Adjuster, of which the following is a full, clear, and exact description.

The object of the invention is to provide certain new and useful improvements in window-shade adjusters, whereby the shade can be readily adjusted up and down in front of the window to any desired position, to allow of adjusting the shade sidewise, and to permit moving the shade transversely nearer to or farther from the window, all with a view to obtain absolute control of air and light by being able to admit light and air from the top and bottom or at the top or at the bottom or at both sides or at one side only.

The invention consists of novel features and parts and combinations of the same, as will be more particularly described hereinafter, and then pointed out in the claims.

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 improvement. Fig. 2 is an enlarged sectional perspective view of the same, and Fig. 3 is a view of a modified form of the invention. Fig. 4 is an enlarged transverse section of the locking and releasing device for the hoisting-drum. Fig. 5 is a perspective view of part of the shade-roller support.

On the sides of the window-casing A are secured vertically-disposed guideways B', engaged by eyes L² on brackets L, having corrugated bottom portions L' for forming a plurality of rests for the shade-roller support C², the arrangement of the eyes L², engaging the guideways B', permitting the swinging of the brackets sidewise with respect to the window-frame, thus moving the support C² in a like direction. The shade-roller support C² carries the shade-roller D' and the shade-cloth E', and hence the sidewise-swinging movement of the brackets swings the shade-roller and the shade laterally with respect to the window-frame A.

The shade-roller D' is of the usual spring-pressed type, and the shade-cloth E' winds

thereon and unwinds therefrom in the usual manner.

Cords F' are connected with the upper part of the brackets L, near the upper eyes L², and the said cords wind upon a drum G', journaled in brackets H, secured to the window-casing, and on one end of the said drum G' winds a pull-cord I' in a reverse direction to the supporting-cords F'. The pull-cord I' hangs loosely down from the drum G' on one side of the window-casing A, so as to be within convenient reach of the operator.

One end of the drum G' is provided with a locking and releasing device J, arranged to normally lock the drum G' against rotation, but adapted to release or unlock the drum G' on the operator exerting a quick pull on the pull-cord I', thus permitting the weight of the shade-support C² and its load to rotate the drum G' to unwind the support-cords F' with a view to lowering the support C² and with it the shade-roller D' and the shade E'.

When it is desired to raise the support C², and with it the shade-roller D' and the shade-cloth E', the operator exerts a steady pull on the pull-cord I', so as to turn the drum G', whereby to wind up the supporting-cords F' until the support C², and with it the shade-roller D' and the shade-cloth E', are raised to the desired position.

As soon as the operator releases the pull on the pull-cord I' the locking and releasing device J again locks the drum G', so as to hold the same against rotation, and thereby hold the shade-roller support C² and the shade-roller D' in the desired position. When in this position, the shade E' can be drawn down or raised in the usual manner.

In order to move the support C² transversely on the bottom bearing-bars L', a cord N is connected with each end of the support C², and this cord passes through an eye L³ at the forward end of the bracket L to then extend rearwardly and pass with the other end of the cord through an eye L⁴, likewise formed on the bracket L, adjacent to the lowermost eye L². The two depending ends of the cord N are under the control of the operator, so that on pulling one end the support C² is moved outwardly and on pulling on the other end the support C² is moved inwardly, and when the pull on the corresponding end ceases then the support C² comes to rest at a corresponding depression or corru-

gation of the bar L'. Thus from the foregoing it will be seen that the support C², and with it the shade-roller D', can be raised or lowered bodily to any desired height of the window-casing or swung sidewise or moved in a transverse direction to bring the shade-cloth E² nearer to or farther from the window.

In the modified form shown in Fig. 3 the support C² is mounted adjustably in a transverse direction on the corrugated bottom bar of a bracket O, mounted to swing in a bearing P, secured to the upper portion of the window-casing, and the cord N is, however, employed for moving the support in a transverse direction in the same manner as above described relative to Fig. 2. In this case the eye L⁴ may be dispensed with, and a screw-eye P' for the passage of the ends of the cord N in a downward direction is arranged on the bearing P, the screw-eye P' also serving to fasten the bearing in place on the window-casing. The bracket O is also provided at its outer end with a hook O² for supporting a curtain-pole, and the inner top portion of the bracket O is similarly provided with a hook O³ for supporting the curtain-pole whenever it is desired to bring the same nearer to the window-casing, as indicated in dotted lines in Fig. 3.

In order to allow adjustment of the support C² to accommodate windows of different widths, the said support is made in sections C³ C⁴, slidable one on the other and fastened together near their ends by sleeves C⁵.

The device may be used for other purposes. For instance, maps or the like may be attached to the supports C² instead of shade-cloth, the arrangement permitting convenient lowering or raising of the map for ready inspection of any particular part.

The device shown and described is very simple and durable in construction, can be cheaply manufactured, and readily put up without requiring skilled labor.

I do not limit myself to the detail construction shown and described, as the same may be varied without deviating from the spirit of my invention.

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

1. A window-shade adjuster comprising a shade-roller support movable bodily sidewise, means for moving said support up and down and means for moving said support in a transverse direction.

2. A window-shade adjuster comprising a shade-roller support, means for moving said support transversely nearer to or farther from the window, and means whereby to shift said support bodily sidewise with respect to the window.

3. A window-shade adjuster comprising a shade-roller support, means for moving the

same bodily up and down, and means for moving the said support transversely nearer to or farther from the window.

4. A window-shade adjuster comprising guideways for attachment to a window-casing, brackets mounted to slide on the said guideways, a shade-roller support supported by the brackets, and means for moving said support bodily toward and from the window-casing.

5. A window-shade adjuster comprising a support, a shade-roller support, means under the control of the operator whereby to move the said support bodily sidewise with respect to the window, and means for moving said support in a transverse direction on the support.

6. A window-shade adjuster comprising guideways on the window-casing, brackets mounted to slide and to turn on the said guideways, a hoisting and lowering drum having cords connected with the said brackets, means for operating the said drum, a locking and releasing device for the said drum, a support for carrying the shade-roller and supported on the said brackets, and manually-controlled means connected with the said support for adjusting the same transversely on the brackets.

7. A window-shade adjuster comprising guideways on the window-casing, brackets having corrugated members and mounted to slide and to turn on the said guideways, a hoisting and lowering drum having cords connected with the said brackets, means for operating the said drum, a locking and releasing device for the said drum, and a support for carrying the shade-roller and supported on corrugated members of the said brackets to allow of adjusting the support transversely and holding it in the adjusted position.

8. A window-shade adjuster comprising guideways on the window-casing, brackets having corrugated members and mounted to slide and to turn on the said guideways, a hoisting and lowering drum having cords connected with the said brackets, means for operating the said drum, a locking and releasing device for the said drum, a support for carrying the shade-roller and supported on corrugated members of the said brackets to allow of adjusting the support transversely and holding it in the adjusted position, and cords engaging the said support and passing through eyes on the brackets to allow of manually adjusting the support in a transverse direction on the said corrugated members.

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

NELLIE FLORENCE CAPPS.

Witnesses:

HENRY SHERMAN,
ALBERTA BLANCHARD.