

No. 639,609.

Patented Dec. 19, 1899.

F. PERRY.

ROD OR FIXTURE FOR SASH CURTAINS.

(Application filed June 9, 1899.)

(No Model.)

Fig. 1.

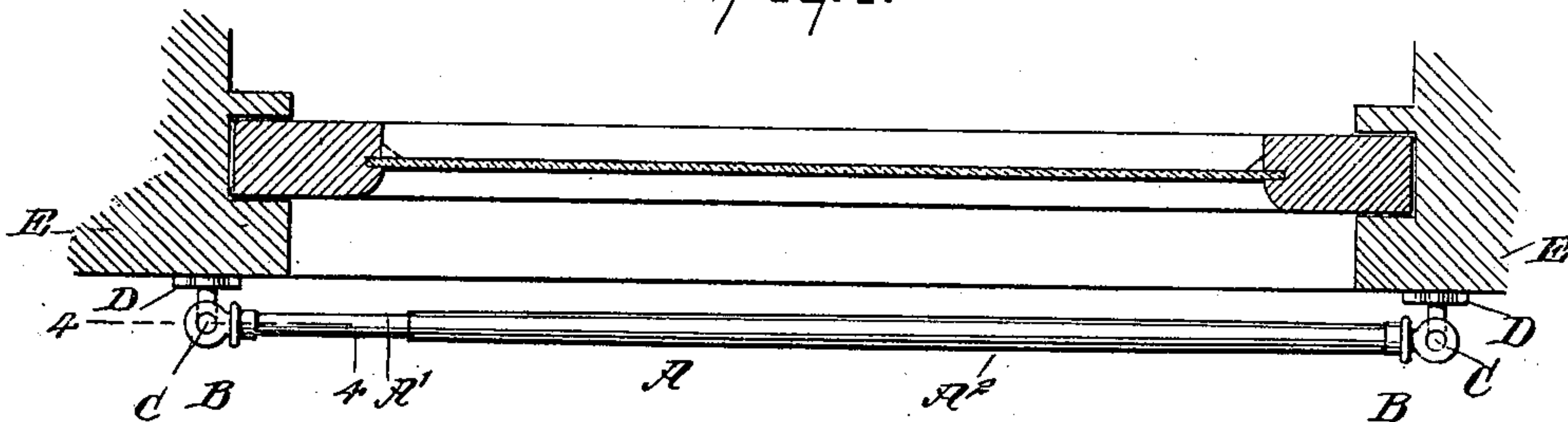


Fig. 2.

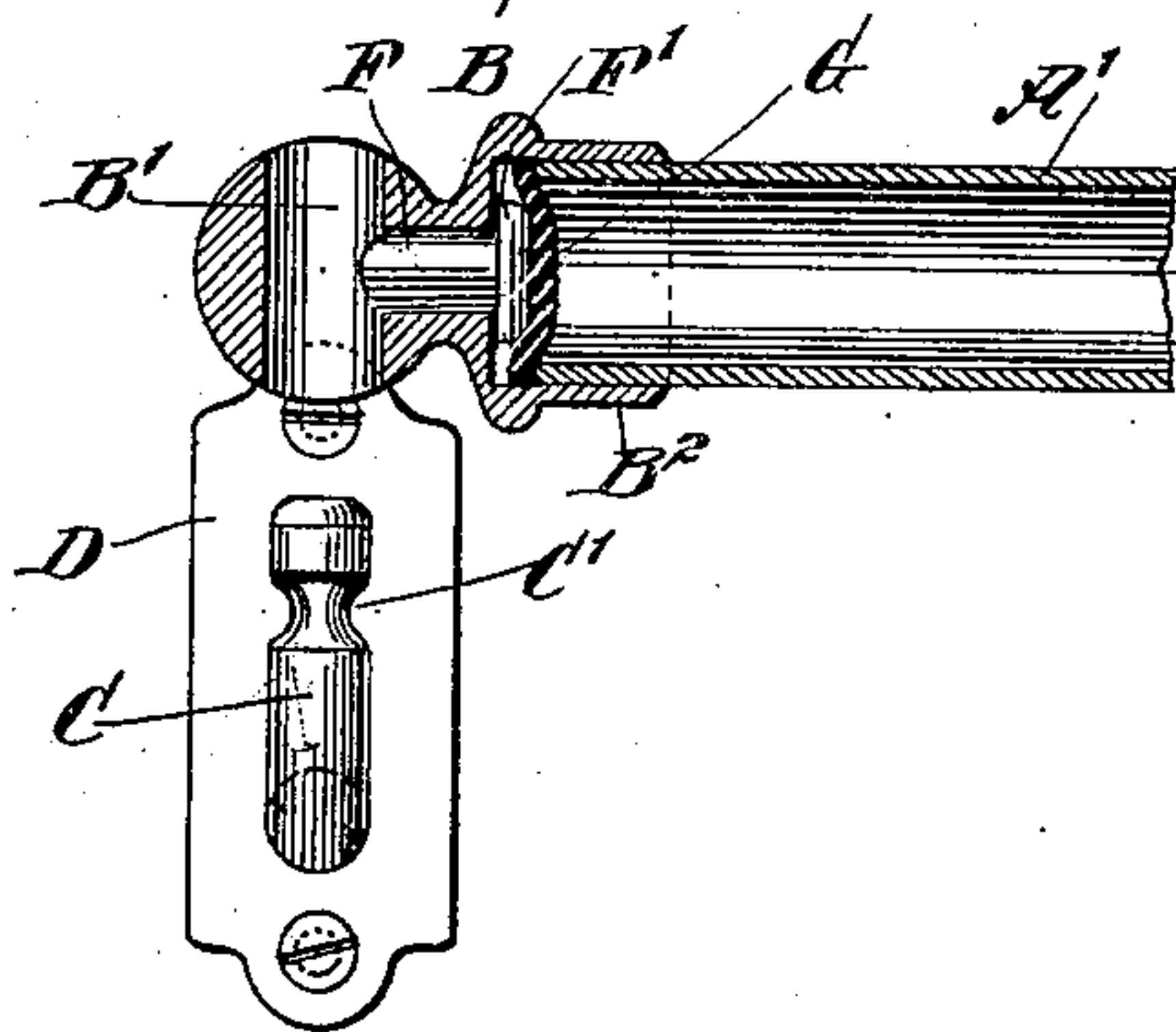


Fig. 3.

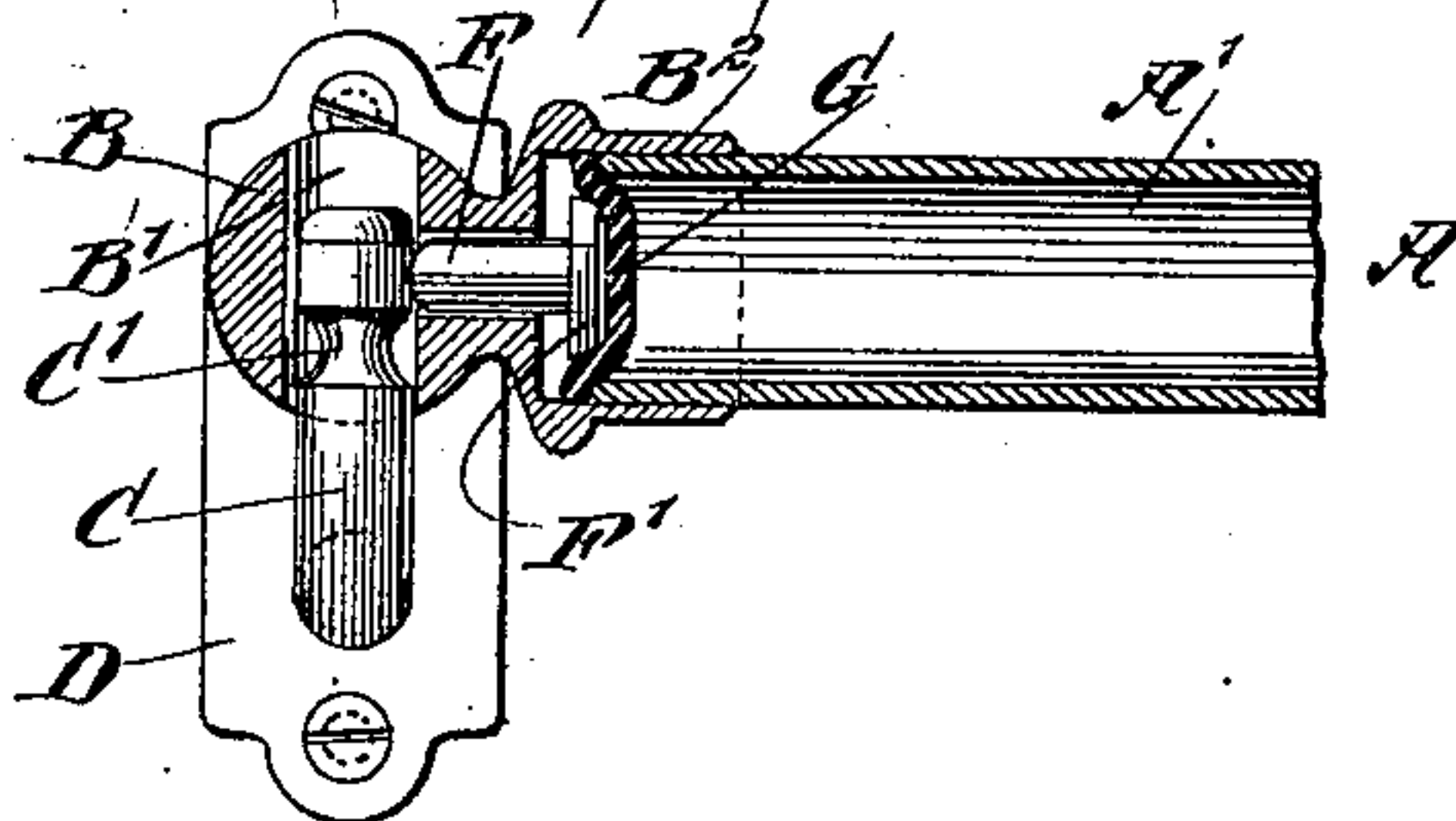
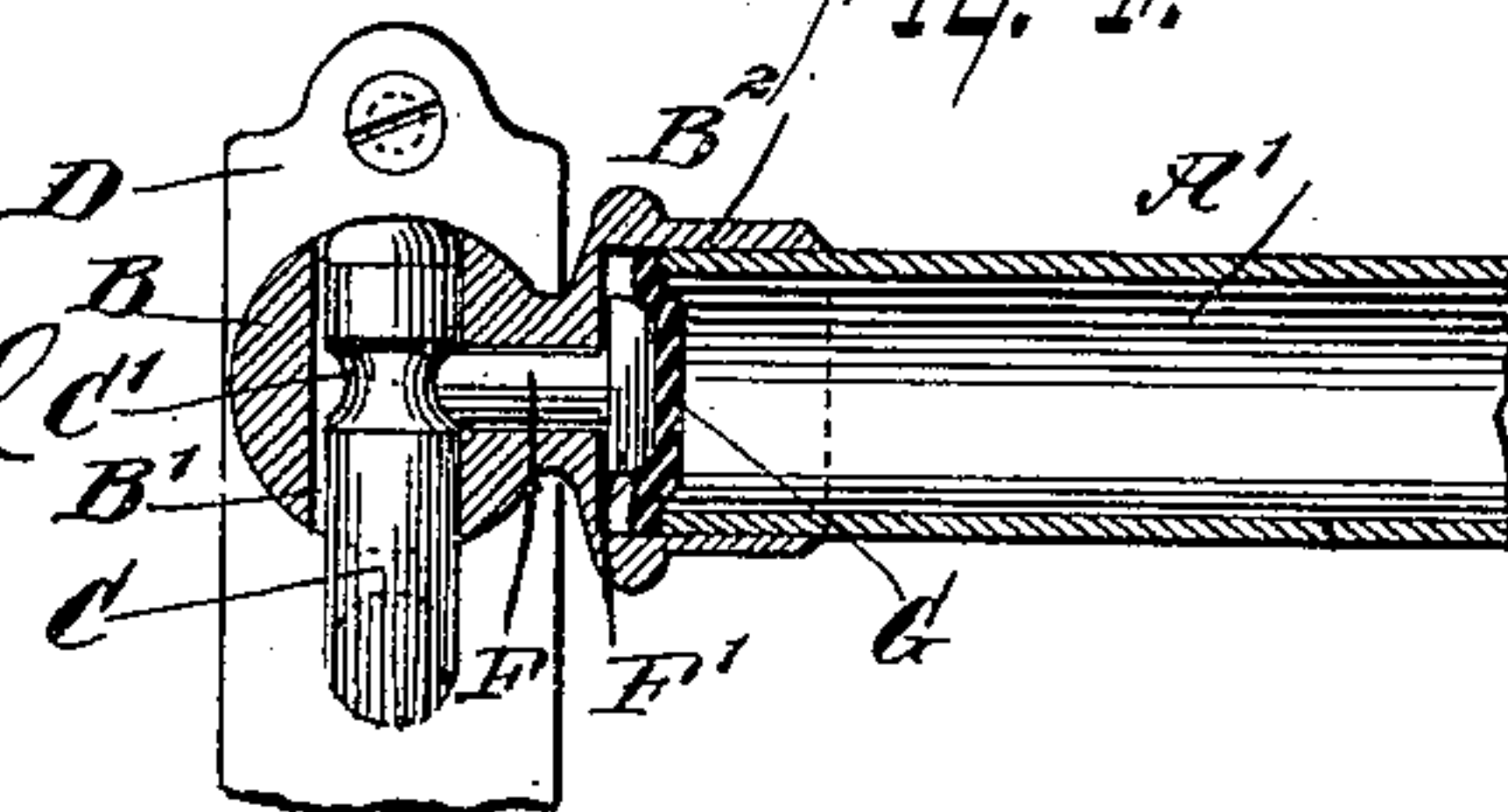


Fig. 4.



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ROD OR FIXTURE FOR SASH-CURTAINS.

SPECIFICATION forming part of Letters Patent No. 639,609, dated December 19, 1899.

Application filed June 9, 1899. Serial No. 719,915. (No model.)

To all whom it may concern:

Be it known that I, FRANK PERRY, of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Rod or Fixture for Sash-Curtains, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved rod and fixture for sash-curtains arranged to permit of conveniently placing the rod in position on the fixture and automatically locking it thereto with invisible locking devices, the construction also permitting of conveniently removing the rod from the fixture whenever it is desired to remove the curtain.

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

A practical embodiment of my 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 plan view of the improvement as applied and with the sash in section. Fig. 2 is an enlarged sectional side elevation of one end of the rod shown detached from the fixture. Fig. 3 is a like view of the same with the rod partly passed upon the fixture and in position previous to locking; and Fig. 4 is a sectional side elevation of the improvement with the rod locked in place on the fixture, the section being on the line 4-4 in Fig. 1.

The rod A, of tubular form, is preferably made with extensible and telescoping sections A' A², each of which carries at its outer end a head B, having a bore B' for engagement with the arm C of a bracket or fixture D, secured in the usual manner to the sash or window-frame E, as illustrated in Fig. 1. Each head B is provided with an invisible locking device for automatically fastening the head to the fixture, and this locking device consists of a locking bolt or pin F, fitted to slide in the head and pass with its inner end into the bore B' to engage a notch C', formed in the arm C of the fixture, as is plainly illustrated in Fig. 4.

The head F' of the bolt F extends in the

socket B² of the head, and said socket receives the outer end of the rod-section A' or A², and on the head F' of the bolt presses a spring G in the form of a rubber disk held on the section A' or A² within the socket B², as will be readily understood by reference to Figs. 2, 3, and 4. The head F' limits the inward sliding motion of the bolt F by the head abutting against the end wall of the socket B², so that the rounded-off end of the bolt F just engages the notch C' to lock the head B securely in place on the arm C, but to permit of conveniently removing the head from said arm by forcibly lifting the rod so as to cause the bolt F to slide inward, the head F' of the bolt compressing the spring G, as will be readily understood by reference to Fig. 3, to allow of removing the head B from the arm C. For the same reason the head B can be readily placed in position on the arm C, as the bolt F is then first pushed inward against the tension of its spring G, and when the bolt F is opposite the notch C' then the spring forces the bolt outward to engage the same with the notch, so as to lock the head B in place on the arm C of the fixture D.

The device is very simple and durable in construction, and as the locking device is completely out of sight it forms no obstruction whatever to mar the effect and appearance of the rod and fixture and presents no projections when placing the curtain on the rod.

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

1. The combination with a fixture having a receiving-arm provided with a notch, of a rod having a head provided with a vertical bore for engagement with the arm of the fixture, and a horizontal bore communicating with the vertical bore and an invisible locking device for locking the rod to the fixture, said locking device comprising a bolt fitted to slide in the horizontal bore of the head and adapted to engage the notch in the arm of the fixture, substantially as shown and described.

2. The combination with a fixture having a receiving-arm formed with a notch, of a rod, a head for the rod and adapted to engage said receiving-arm, a bolt slidable in said head, and a spring pressing said head of said bolt,

to engage the latter with the notch, substantially as shown and described.

3. In a support for sash-curtains, a tubular rod, a head having a bore and having a socket
5 for engagement with the end of the rod, a spring in said socket at the end of the rod, and a bolt slidable in the head and passing with one end into said bore, the head of the bolt being in the socket and pressed on by said
10 spring, the head of the bolt limiting the sliding movement of the bolt in one direction by abutting against the end wall of the socket, substantially as shown and described.

4. The combination with the fixtures each
15 having an upwardly-extending receiving-arm provided with a notch, of a tubular rod comprising two telescoping sections, heads each formed with a socket for engagement with the outer ends of the sections, the said heads each
20 having a vertical bore for engagement with the arms of the fixtures, and a horizontal bore extending from the socket of the head to said vertical bore, a locking bolt or pin fitted to slide in the horizontal bore of each head and
25 pass with its end into the vertical bore to engage the notch on the receiving-arm of the fixture, the said bolts being each provided with a head extending into the socket for the
30 rod-section, and a rubber disk held on each

the head of the locking bolt or pin, substantially as shown and described.

5. In a curtain-support, a tubular rod provided with a head having a transverse bore and a longitudinal bore extending inward
35 from said transverse bore, a locking bolt or pin fitted to slide in the longitudinal bore of the head and normally projecting into the transverse bore, the said bolt being provided with a head to limit the movement of the bolt
40 in one direction, and a spring engaging the head of the bolt, substantially as described.

6. The combination with the fixture having a receiving-arm provided with a notch, of a rod having its end arranged for engagement
45 with the receiving-arm of the fixture and a sliding and spring-pressed bolt concealed in the end of the rod, the said bolt having a rounded-off end corresponding to the notch in the receiving-arm of the fixture and adapted
50 to automatically engage with the said notch when the rod is placed in position on the arm, and to be disengaged therefrom when the rod is forcibly moved in the opposite direction substantially as described.

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Witnesses:

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