

No. 697,822.

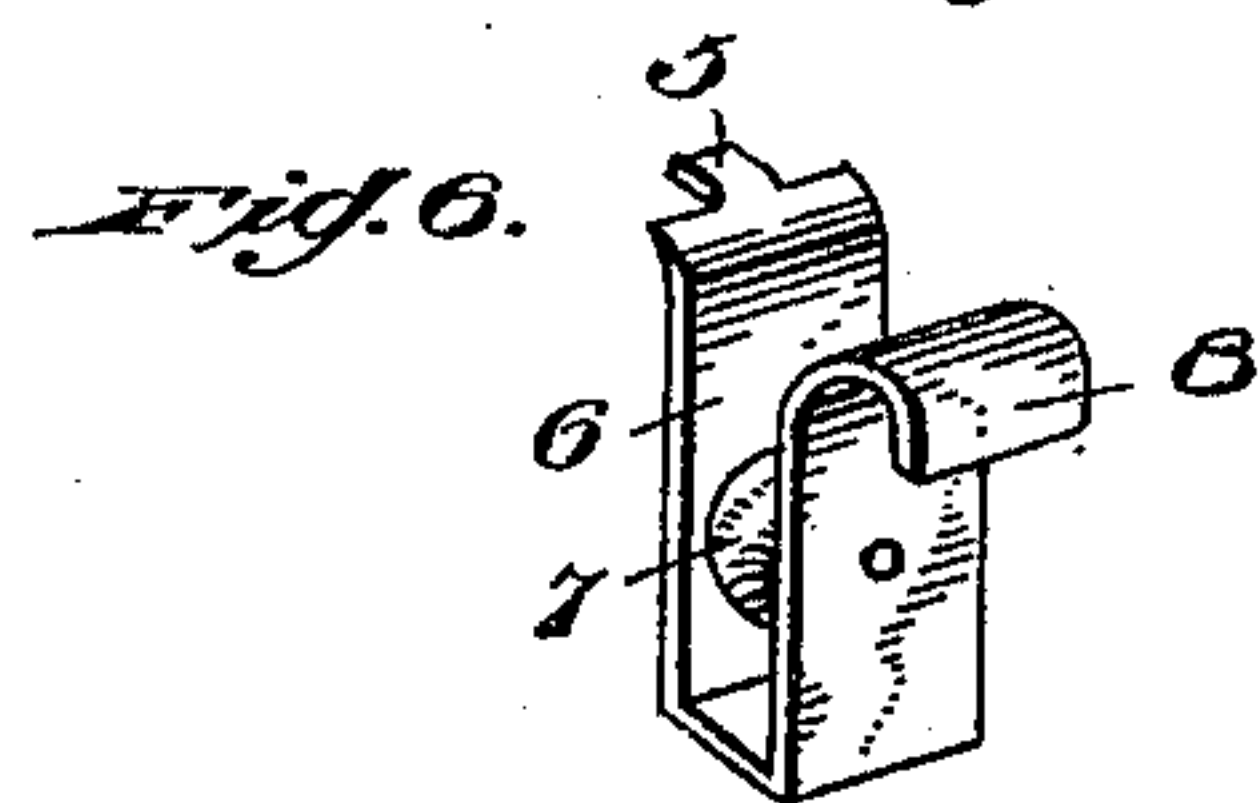
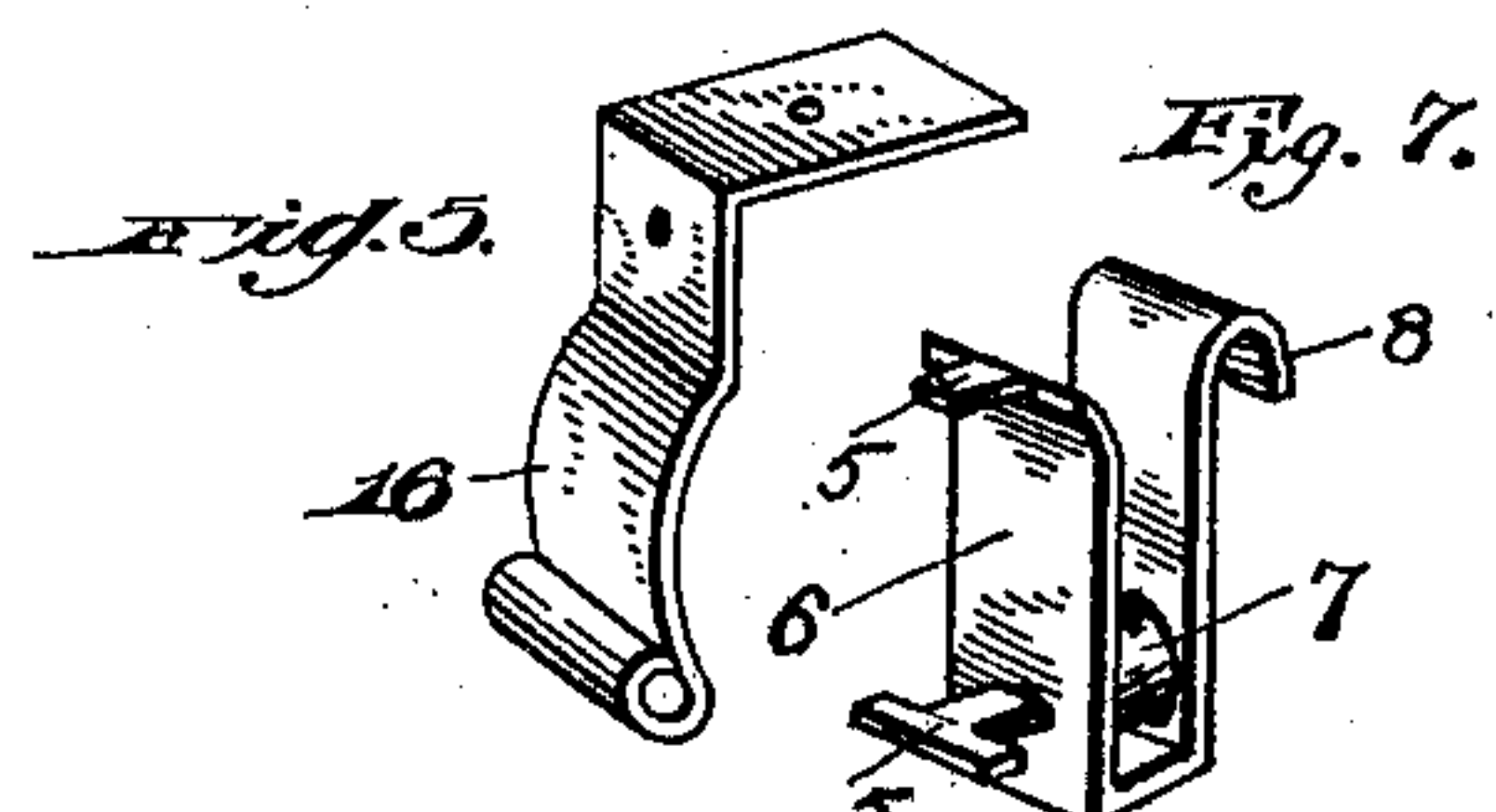
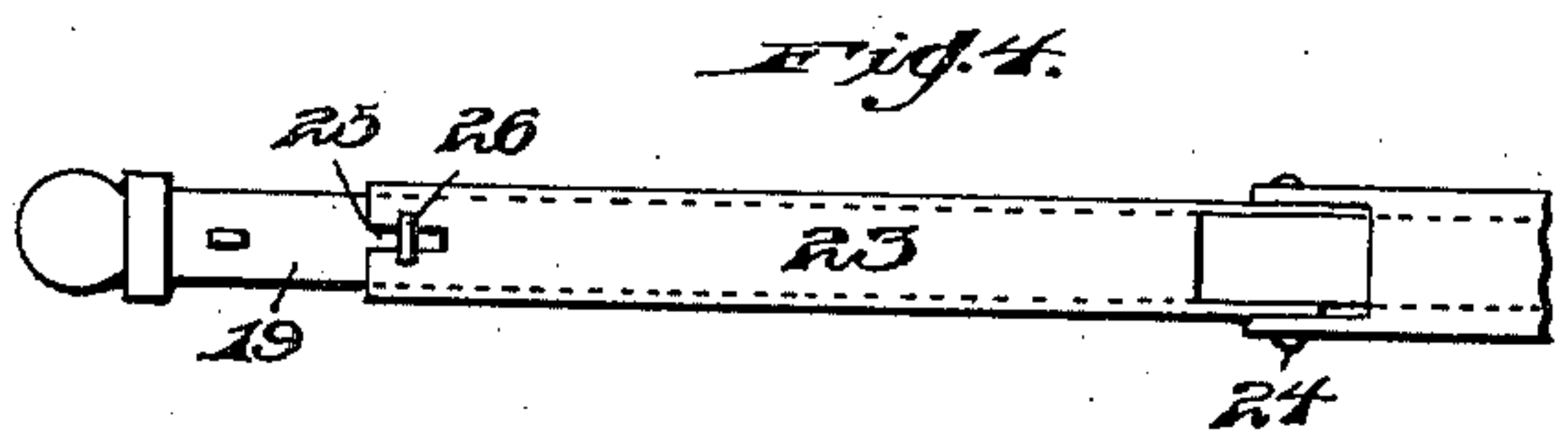
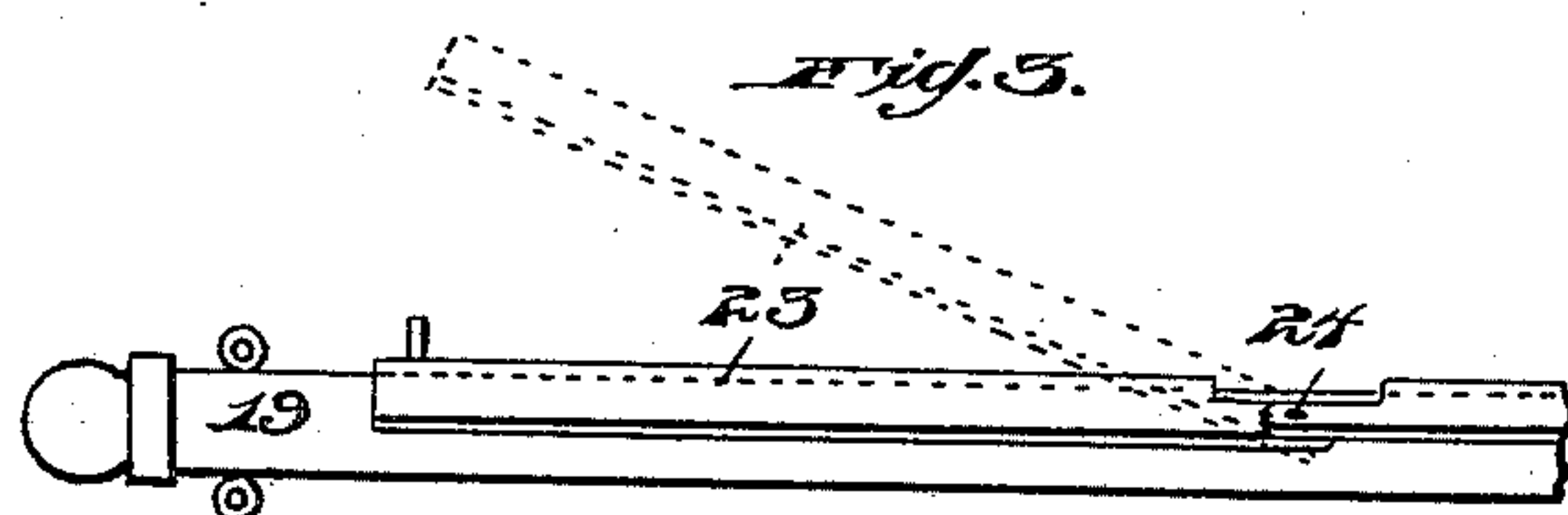
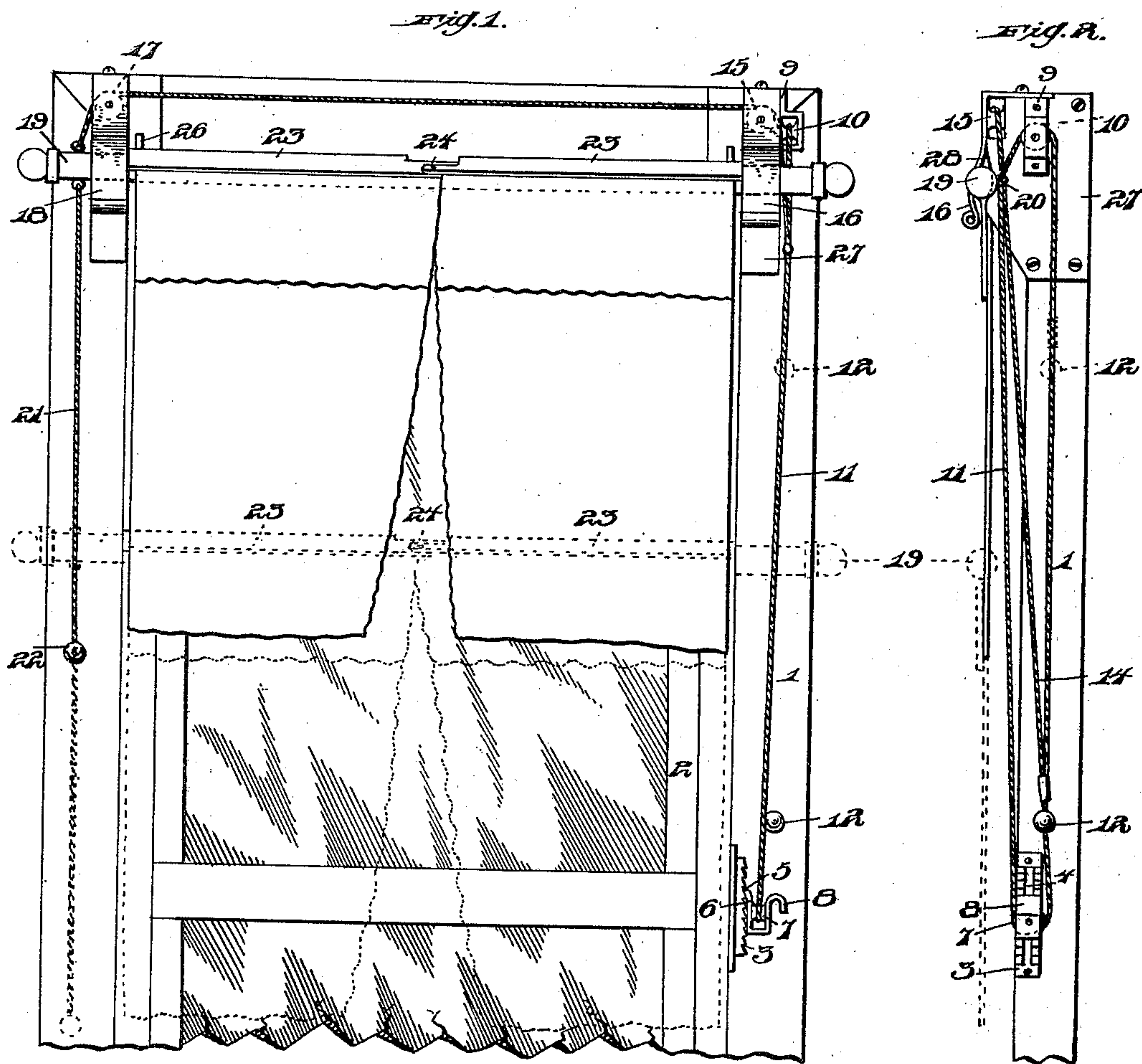
Patented Apr. 15, 1902.

A. E. W. DUFFIELD.

CURTAIN FIXTURE.

(Application filed Aug. 3, 1901.)

(No Model.)



Witnesses:

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ATTY'S



# UNITED STATES PATENT OFFICE.

ALBERT E. W. DUFFIELD, OF NEWCASTLE, PENNSYLVANIA.

## CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 697,822, dated April 15, 1902.

Application filed August 3, 1901. Serial No. 70,804. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT E. W. DUFFIELD, a citizen of the United States of America, residing at Newcastle, in the county of Lawrence and State of Pennsylvania, have invented certain new and useful Improvements in Curtain-Fixtures, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in curtain-fixtures, and has for its object the provision of novel means whereby a curtain-pole may be easily lowered and the curtain fastened therein and then returned to its former position and effectually retained therein.

The present invention further contemplates to construct a curtain-pole that will entirely dispense with rings and pins and drape the curtain to the pole in any desired manner.

Another object of the present invention is to construct a device of the above-described character that will be extremely simple in construction, strong, durable, comparatively inexpensive to manufacture, and highly efficient in its use.

With the above and other objects in view the invention consists in the novel combination and arrangement of parts to be herein after more fully described, and specifically pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

Figure 1 is a front elevation of a window having my improved curtain-fixture attached thereto and showing in dotted lines the position of the curtain-pole when lowered. Fig. 2 is a side elevation thereof. Fig. 3 is a side elevation of the pole, showing in dotted lines the position of the clamp when raised. Fig. 4 is a top plan view thereof. Fig. 5 is a detail view of the springs which serve to retain the curtain-pole in position. Fig. 6 is a perspective view of the bearing and pulley that is applied to the side of the window-frame and which is adapted to be connected to the toothed rack. Fig. 7 is a like view showing

the construction of the lug on the rear face of the bearing.

In the drawings the reference-numeral 1 indicates the window-frame. 2 indicates the window-sash. The window-frame has connected thereto a toothed rack 3, having formed therein a slot 4, adapted to receive the lug 5, and a bearing 6, in which is mounted a pulley 7. This bearing 6 carries an operating-handle 8.

The reference-numeral 9 indicates a bracket attached to the upper end of the window-frame, in which is mounted a pulley 10. An endless cord 11 passes over the pulleys 10 and 7. The reference-numeral 12 indicates a knob or rings attached to the said cord 11, to which is secured a cord 14, passing over the pulley 15, arranged underneath the retaining-spring 16, said cord 14 passing to the other side of the window-frame over the pulley 17, which is likewise arranged under the retaining-spring 18, and is fastened to the curtain-pole 19, the other end of said curtain-pole being attached at 20 to the endless cord 11. An operating-cord 21 is attached to the other end of the curtain-pole and carries at its lower end a knob or ring 22, which serves to disengage the curtain-pole from the springs and allows the same to be lowered.

The reference-numeral 23 indicates clamps semicircular in form, which are pivotally connected at 24 to the top of the curtain-pole, the ends of these clamps being slotted, as shown at 25, to receive set-screws 26, which are secured to the curtain-pole.

The reference-numeral 27 indicates brackets arranged at the upper sides of the window-frame, said brackets having formed therein recesses 28 to receive the curtain-pole, the latter being secured in the recesses 28 and under the springs 16 and 18 when in a raised position.

The operation of my improved curtain-fixture is as follows: When it is desired to lower the curtain-pole to the position as shown in dotted lines of Fig. 1, the knob or ring 22 is drawn downwardly, thereby disengaging the curtain-pole from its seat, allowing the springs to open and release the curtain-pole. By means of the endless cord 11 the curtain-pole will then be allowed to travel gradually down-



ward to the desired position, when the curtain may be easily placed between the clamps 23. In order to raise the curtain-pole, the knob or ring 12 is operated, which in turn will raise 5 the curtain-pole by means of the cord 14 and cord 11. As the curtain-pole reaches the lower portion of the springs 6 and 10 the latter will be forced open and will allow the curtain-pole to be seated within the recesses 10 28 of the brackets 27.

The many advantages obtained by the use of my improved device will be readily apparent from the foregoing description, taken in connection with the accompanying drawings.

15 It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

In a curtain-fixture, brackets composed of

flat sheet metal having recesses formed in their front edges, springs secured to the top of the window-frame with their lower ends 25 bowed and extending in alinement with said recesses, pulleys mounted between said springs and brackets, a pulley secured to the upper end of one of said brackets, a pulley adjustably mounted on the lower end of said 30 window-frame, a cord secured to one end of the curtain-pole and being passed over both of said first-named pulleys, an endless cord passed over said pulley carried by the upper end of the bracket and over the pulley se- 35 cured to the window-frame, the end of said first-named cord being secured to said endless cord.

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

ALBERT E. W. DUFFIELD.

Witnesses:

JOHN NOLAND,  
E. E. POTTER.