

(No Model.)

A. CAESAR.  
FIXTURE FOR CURTAIN ROLLERS.

No. 603,255.

Patented May 3, 1898.

Fig. 1.

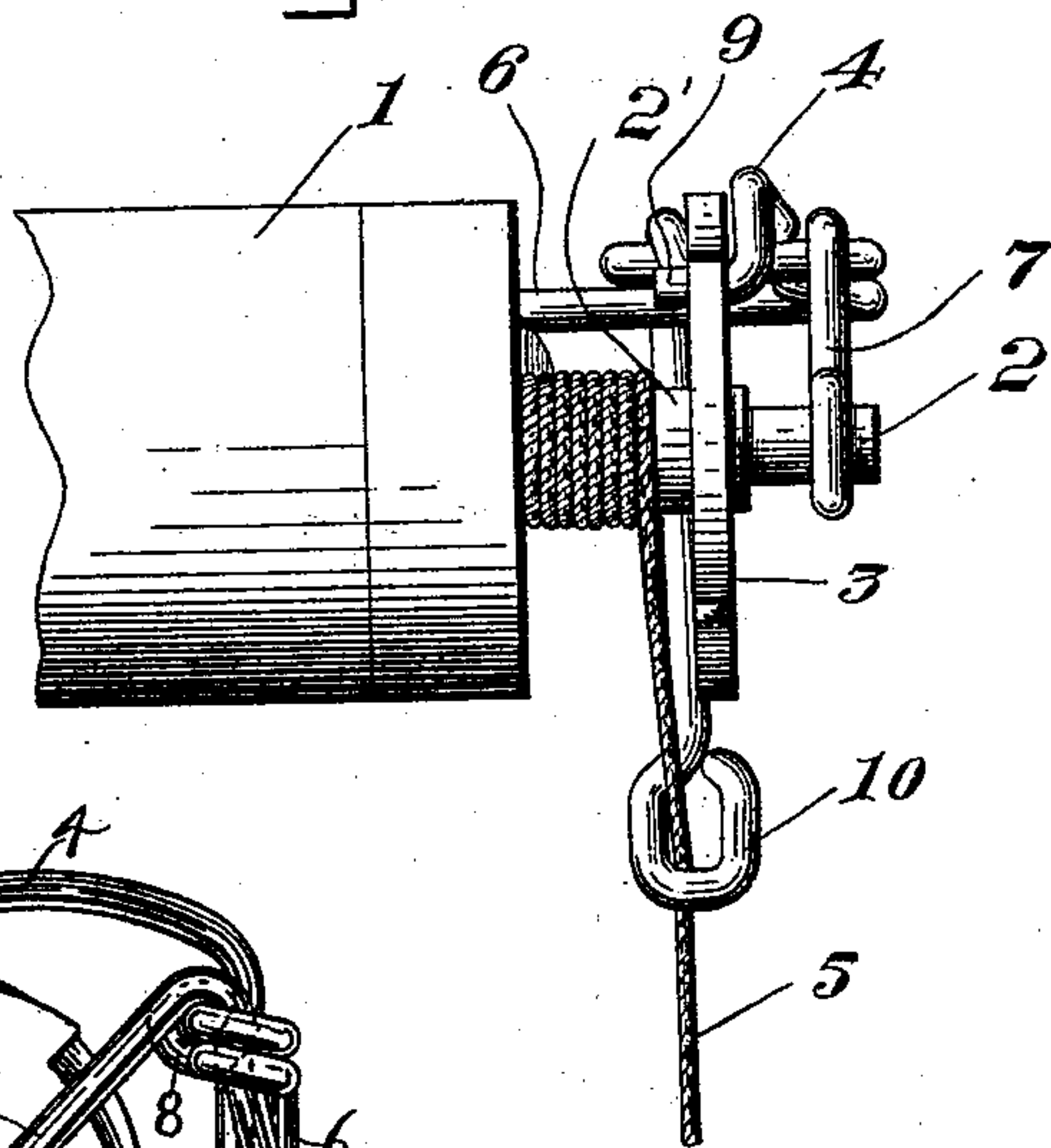


Fig. 3.

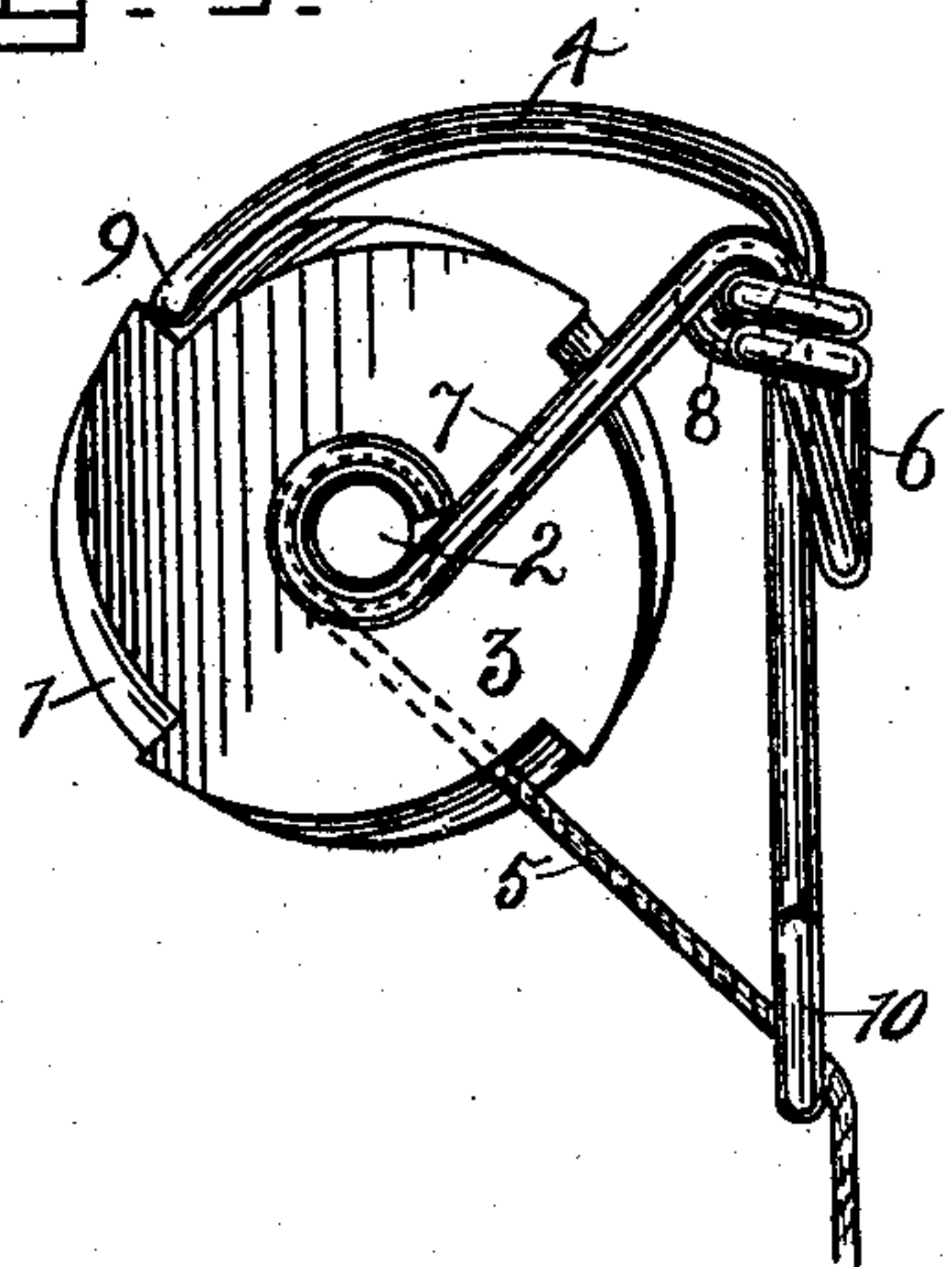
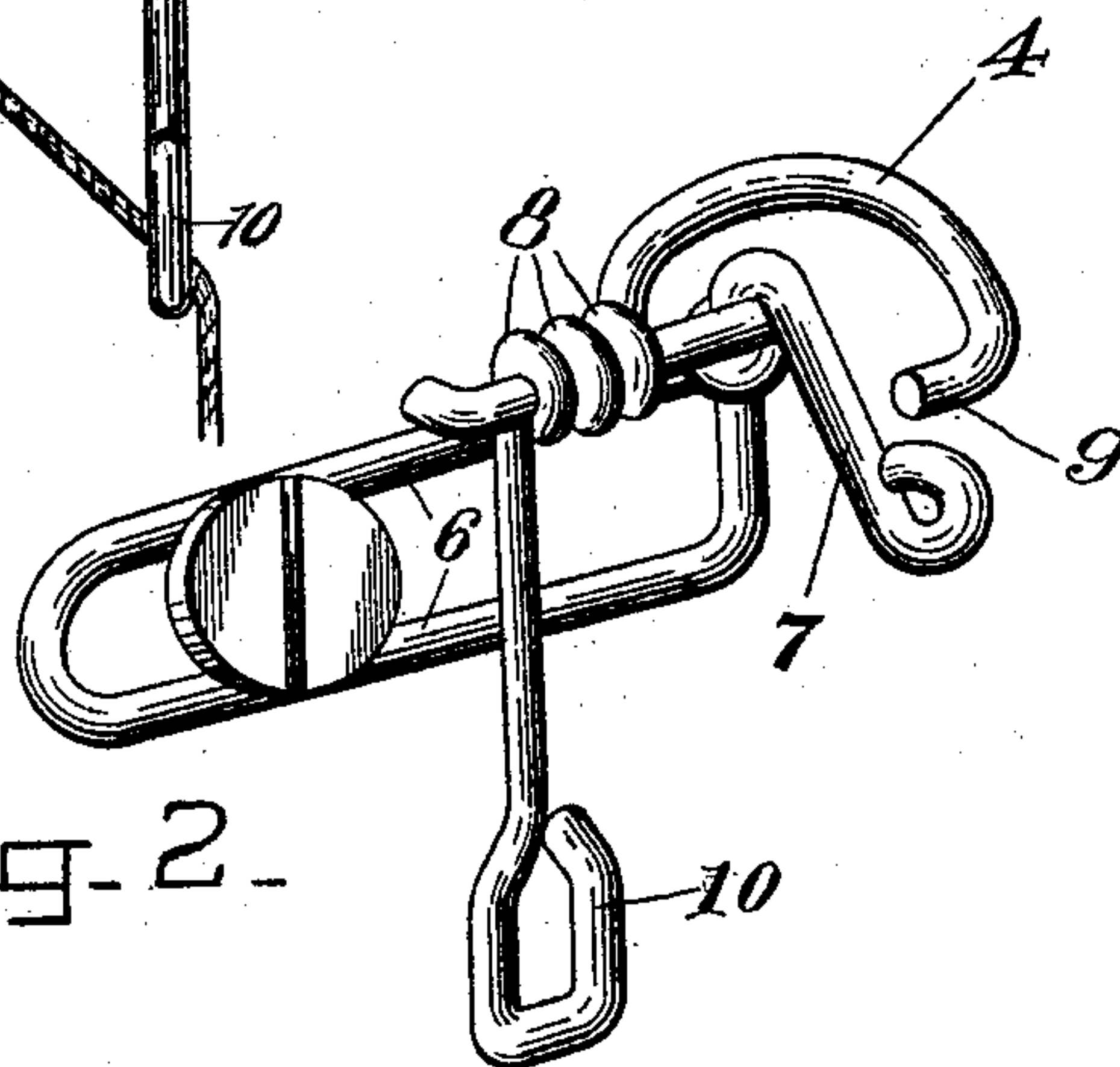


Fig. 2.



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# UNITED STATES PATENT OFFICE.

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## FIXTURE FOR CURTAIN-ROLLERS.

SPECIFICATION forming part of Letters Patent No. 603,255, dated May 3, 1898.

Application filed March 25, 1897. Serial No. 629,124. (No model.)

*To all whom it may concern:*

Be it known that I, AUGUST CAESAR, of Butte, in the county of Silver Bow and State of Montana, have invented certain new and useful Improvements in Fixtures for Curtain-Rollers; and I do hereby 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.

This invention pertains to improvements in curtain-shade fixtures, and relates more particularly to the peculiar construction of certain devices by which the roller is supported and turned to wind the shade thereon and a gravity-pawl provided for controlling the backward rotation, the cord that operates the roller passing through a part of the pawl to provide for tripping the pawl with the same cord that turns the roller.

With the above ends in view the invention consists in the novel features of construction and particular arrangement of parts, as hereinafter fully set forth, and specifically pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a front elevation showing the application of my invention. Fig. 2 is a perspective view showing the pawl and supporting-bracket.

In the drawings, 1 designates the curtain-shade roller, which is provided at one end with a shaft 2, slightly enlarged adjoining the end of the roller to form a drum 2', and beyond this drum or barrel is rigidly mounted upon the shaft a notched disk or ratchet-wheel 3, the shaft being extended to form a bearing or support. This roller is journaled at one end in a shade bracket or fixture, hereinafter particularly described, and a pawl 4, pivoted to said bracket in position to engage the notched disk or ratchet-wheel, said pawl having a lower end of sufficient weight to counterbalance the upper end and cause it to normally engage the ratchet-wheel. The depending end of this pawl is provided with an opening or eye, and around the drum 2' is wound a cord or flexible connection 5, the end of which is led through the eye in the depending portion or tail of the pawl and extends within easy reach for operation. This cord is wound around the drum 2' in the op-

posite direction from that which the curtain-shade is wound upon the roller, in order that when the cord is pulled upon it will wind the curtain-shade upon the roller and when released will permit the curtain-shade to unwind of its own accord. It will be here noted that when the cord is drawn upon to turn the roller it will first trip the pawl out of engagement with the ratchet-wheel, and when the tension upon the cord is released the pawl will automatically engage the ratchet-wheel to prevent backward rotation. When it is desired to lower the curtain, it is only necessary to release the pawl and slowly slacken upon the cord as the curtain unwinds, a further slackening permitting the pawl to engage the ratchet-wheel and hold the parts adjusted.

I have devised a particular form of bracket which not only forms a support for the shade-roller, but also a cross-bar or bearing for the pawl, the said bracket and pawl being made up of wire, which is given certain peculiar bends for the purpose. In forming the bracket I take a piece of wire and bend the intermediate portion thereof to a loop, presenting parallel members 6 6, practically forming a slot through which the securing-screw passes, one end portion of the wire being extended to cross the other part or member and then bent forward into an arm 7, having an eye at its outer end. The opposite end portion of the wire is coiled about the wire adjoining the arm, is then extended practically parallel with the adjoining member 6, and bent at right angles, thus forming a cross bar or pin, upon which the pawl is pivoted. The pawl 4 of the particular construction herein shown is made up of a piece of wire the central portion of which is bent or turned into several coils 8, from which the end portions extend, one being curved and the terminal bent at an angle to form the head 9 of the pawl, while the other end portion is extended and formed into an eye 10. The pawl is placed in engagement with the cross bar or pin of the bracket before the end of the same is bent inward, and by this construction and connection I practically form one article comprising both a supporting bracket and pawl. The curtain-fixture is placed in engagement with the eye at the outer end of the arm 7 of the



bracket, which will bring the ratchet-wheel  
on said roller in proper relative position with  
respect to the head of the pawl, and the eye  
10 at the end of the tail or depending portion  
5 of said pawl provides for the passage and  
proper engagement of the operating-cord.

From the foregoing description it will be  
apparent that I provide curtain-shade fixtures  
in which wire is employed in their construc-  
10 tion, possessing the important advantages of  
cheapness and simplicity.

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

15 1. A bracket for the purpose set forth made  
up of a single piece of wire which is looped  
upon itself to present parallel members form-  
ing a slot, the end portions of the wire being  
twisted upon themselves and one end extend-  
20 ed to form a supporting-arm terminating in  
an eye, while the other is extended at an angle  
to form a pivot-pin, substantially as shown  
and for the purpose set forth.

2. In combination with a shade-roller hav-

ing a drum and ratchet-wheel, of a bracket 25  
made of a single piece of wire which is looped  
upon itself centrally to present parallel mem-  
bers forming a slot, the end portions of the  
wire being twisted upon themselves at the  
end of the loop and one end portion extended 30  
to form a supporting-arm terminating in an  
eye while the other end portion extends at  
substantially right angles to provide a pivot-  
pin; together with a pawl made of a single  
piece of wire formed centrally into a number 35  
of coils to receive the pivot-pin of the bracket,  
while the end portions form the pawl proper  
and operating-arm therefor, the terminal of  
the latter being bent into a loop, substantially  
as shown and for the purpose set forth. 40

In testimony whereof I have signed this  
specification in the presence of two subscrib-  
ing witnesses.

AUGUST CAESAR.

Witnesses:

B. M. LINDLAY,

F. F. NORMOYLE.