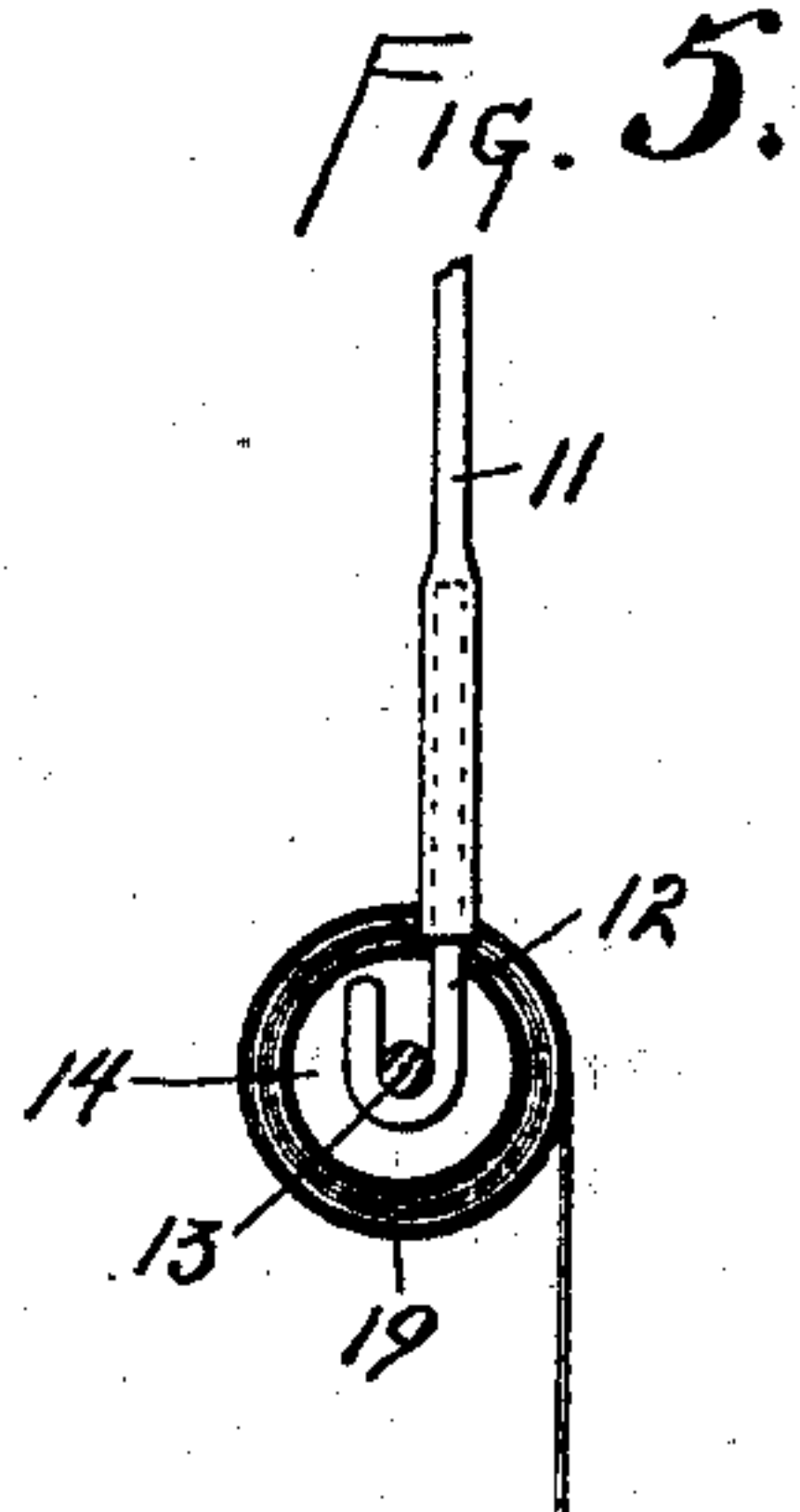
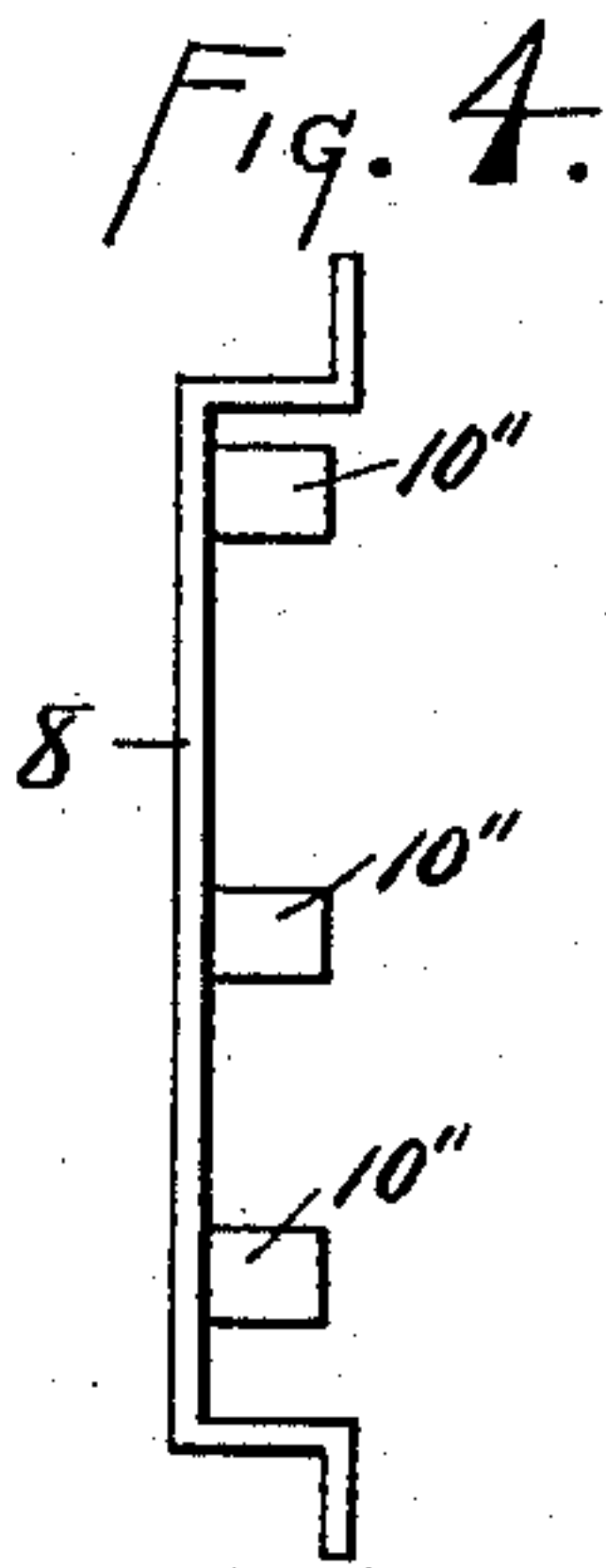
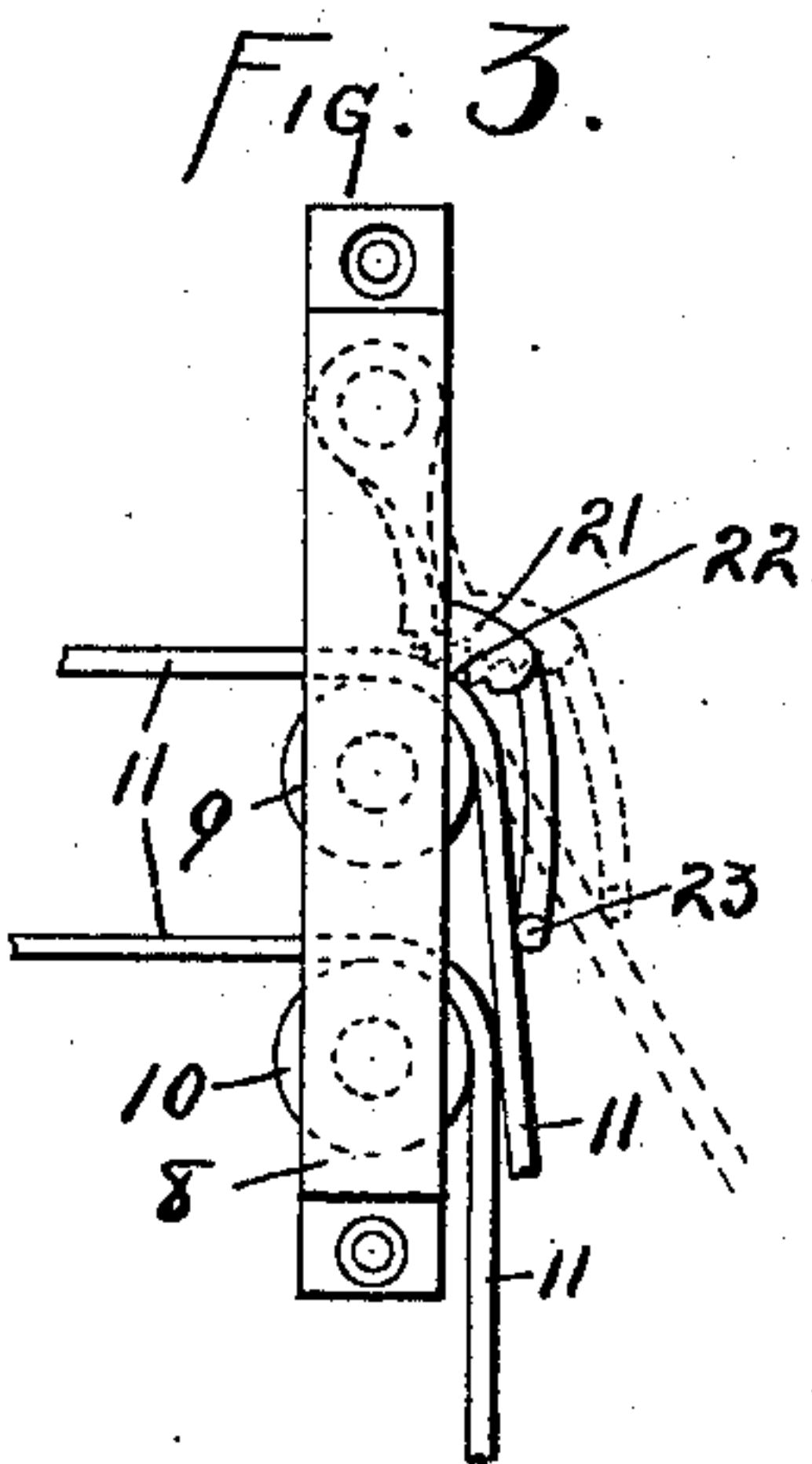
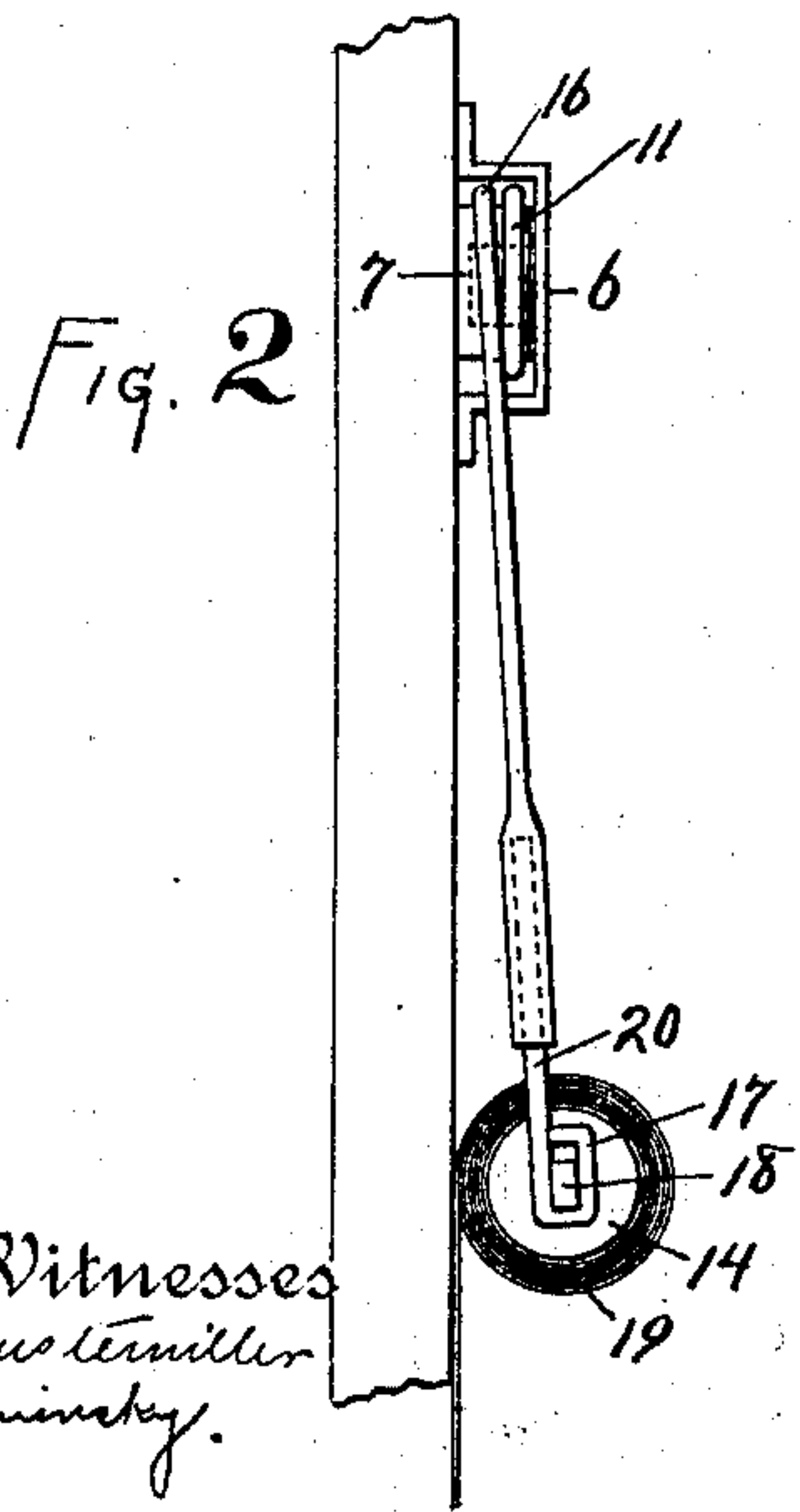
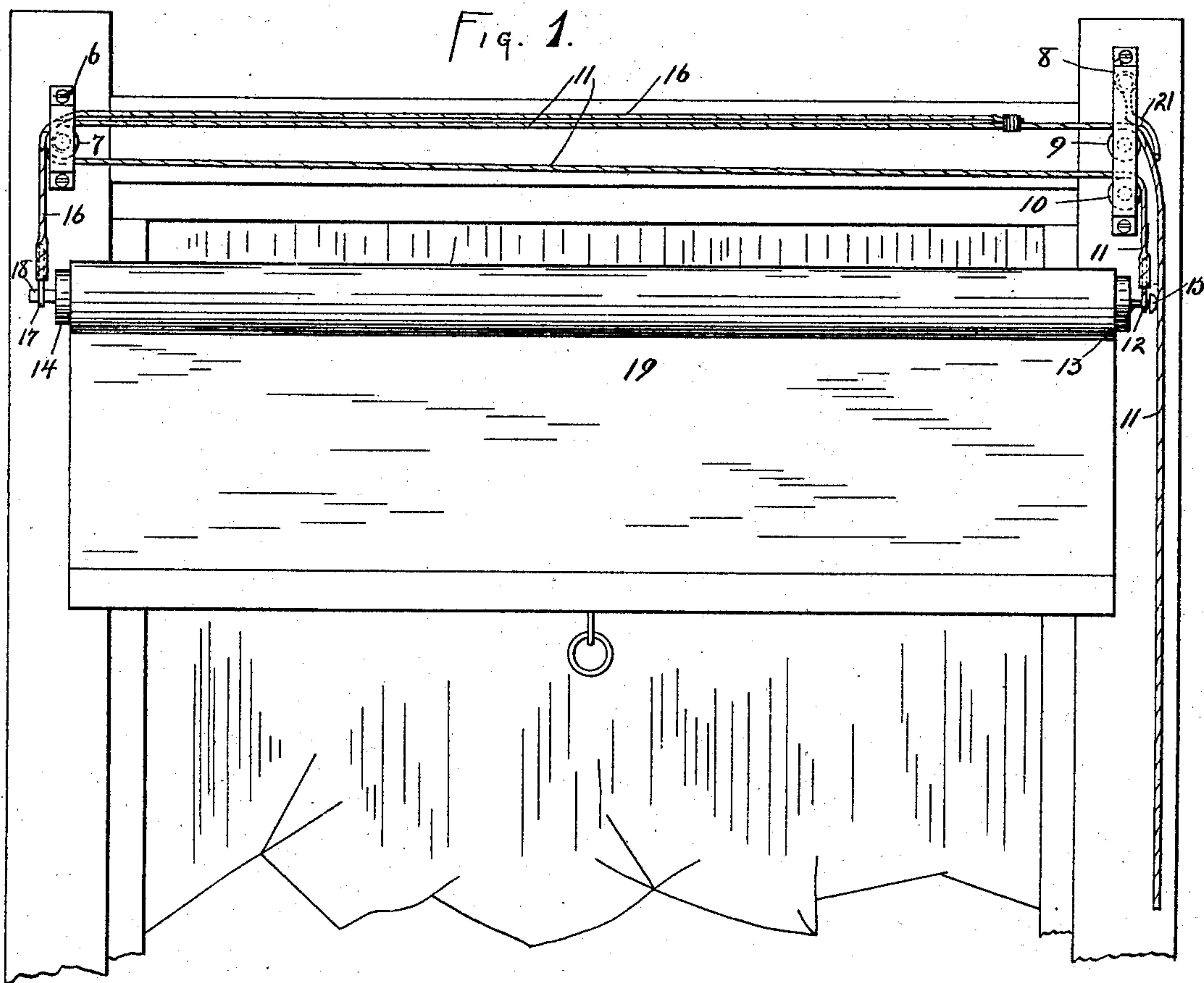


(No Model.)

G. M. FRAMPTON.  
CURTAIN FIXTURE.

No. 580,599.

Patented Apr. 13, 1897.



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# UNITED STATES PATENT OFFICE.

GEORGE M. FRAMPTON, OF PENDLETON, INDIANA.

## CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 580,599, dated April 13, 1897.

Application filed November 12, 1896. Serial No. 611,856. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE M. FRAMPTON, a citizen of the United States, residing at Pendleton, in the county of Madison and State of Indiana, have invented a new and useful Curtain-Fixture, of which the following is a specification.

My invention relates to an improvement in curtain-fixtures.

10 The object of my invention is to produce a device by means of which an ordinary spring or other curtain may be raised and lowered as a whole, so that any part of the window may be shaded, the said raising and lowering means being controlled by a single cord and  
15 being also arranged so as not to cross the window.

The accompanying drawings illustrate my invention.

20 Figure 1 is a view showing a curtain provided with my improved fixture. Fig. 2 is an end elevation of one end of the fixture. Fig. 3 is a side elevation of the opposite side of the fixture. Figs. 4 and 5 are details.

25 In the drawings, 6 indicates a fixture carrying a pulley 7, and 8 indicates a similar fixture carrying two pulleys 9 and 10, the said pulleys being journaled preferably upon lugs 10", which are integral with the fixtures. Fix-  
30 tures 6 and 8 are adapted to be secured to the window-casing at opposite sides thereof in any suitable manner. A cord 11 passes over pulley 9, across the window-casing, around pulley 7, back across the window-casing, and  
35 down over pulley 10. Upon the end of cord 11 which depends from pulley 10 is secured a hook 12, which is adapted to receive a journal 13, carried by one end of the curtain-roll 14, the said journal being adapted to rotate  
40 in said hook. In order to prevent the accidental removal of journal 13 from hook 12, the said journal may be provided with a head 15.

Detachably secured to or, if desired, formed  
45 integral with cord 11 at a point between pulleys 9 and 7 is a second cord 16, which passes across the window-casing and down over pulley 7. Secured to the depending end of cord 16 is an eye 17, adapted to receive, so as to  
50 prevent from rotation, the winding end 18 of the spring of roll 14.

In operation, when the curtain 19 is pulled

down against the action of the spring of roll 14, eye 17 prevents the rotation of the spring, and in order to prevent the roll from winding  
55 up on cord 16 the eye 17 is provided with a long shank 20, to which the cord is secured. By this construction the roll 14 cannot roll up on the cord without first pivoting upon the upper end of the shank 20, and the said  
60 shank is therefore made sufficiently long to prevent such action.

Pivoted in fixture 8 above pulley 9 is a dog 21, provided with a series of teeth 22, adapted to engage the cord between the said  
65 teeth and pulley 9, and also provided with an arm 23, adapted to be engaged by that part of cord 11 which lies below pulley 9, the arrangement being such that when cord 11 is pulled in one direction the said cord will be  
70 caught between teeth 22 and pulley 9, but when pulled in the other direction will pass freely between the dog and pulley. In order to allow the curtain-roll to be lowered, the lower end of cord 11 is thrown out into the  
75 position shown in dotted lines in Fig. 3, the said cord engaging arm 23 and thus throwing the teeth of dog 21 out of engagement with the cord. If desired, cord 11, after passing over pulley 7, may be secured to the nearest  
80 end of the curtain-roll instead of recrossing the window-casing, as shown in the drawings. Cord 16 would then pass over pulley 7, recross the window-casing, pass down over pulley 10, and be secured to the opposite end of the roll.  
85

The operation is obvious. To lower the curtain-roll, the lower end of cord 11 is grasped and thrown out into the position shown in dotted lines in Fig. 3, the said cord engaging arm 23 and operating to throw the teeth of dog 21  
90 out of engagement with said cord. With the cord still held in this position it is allowed to slip through the fingers, thus allowing the opposite end of cord 11 and the depending end of cord 16 to pass down at a uniform rate over  
95 pulleys 10 and 7, respectively, so that the roll is held squarely across the window as it descends. When the desired position is reached, the free end of cord 11 is suddenly released, when dog 21 by its own weight drops into en-  
100 gagement with the cord 11 and grips it between the teeth 22 and the periphery of pulley 9, the distance between the pivot-point of the dog and the periphery of the pulley being



slightly less than the distance between said pivot-point and the teeth of the dog. In order to raise the roll, the free end of cord 11 is pulled down, thus causing the opposite end of said cord and the depending end of cord 16 to rise together.

It will be noticed that the above-described device does not cross the window; that the operator is required to control but a single cord, so that both ends of the curtain-roll will always be uniformly raised and lowered; that the means for holding the roll in any one of its adjusted positions operates upon a single cord, so that there is no liability of one end of the curtain-roll dropping below the other, and that the device may be used in connection with and attached to any of the ordinary forms of curtain-roll by merely substituting the screw or other headed journal 13 for the one ordinarily used.

I claim as my invention—

1. A curtain-fixture consisting of a cord adapted to engage one end of a curtain-roll, a second cord secured to said cord between the ends thereof and adapted to engage, at its free end, with the opposite end of said roll, supports for said cords, the arrangement of cords and supports being such that one of said cords will pass across the casing in both directions, and means, coöperating with one of said supports and acting upon one cord

only, for holding the curtain-roll in various positions, substantially as and for the purpose set forth.

2. A curtain-fixture consisting of the cord 11, provided at one end with means for engaging one end of a curtain-roll, cord 16 attached to cord 11 at a point between the ends thereof and provided at its free end with means for engaging the opposite end of said roll, supports or pulleys 7, 9 and 10, for said cords, and means for holding the curtain in various positions said means coöperating with one of said supports and acting upon cord 11 only, all combined and arranged to coöperate substantially as and for the purpose set forth.

3. A curtain-fixture consisting of cord 11, provided at one end with means for engaging one end of a curtain-roll, cord 16 attached to said cord 11, and provided at its free end with means for engaging the opposite end of the roll, pulleys or supports 7, 9 and 10, dog 21 acting upon one cord only, adapted to coöperate with one of said supports and arm 23 secured thereto, all combined and arranged to coöperate substantially as and for the purpose set forth.

GEORGE M. FRAMPTON.

Witnesses:

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