

No. 796,359.

PATENTED AUG. 1, 1905.

G. ROSENTHAL.
LACE CURTAIN AND PORTIÈRE ELEVATOR.

APPLICATION FILED APR. 4, 1905

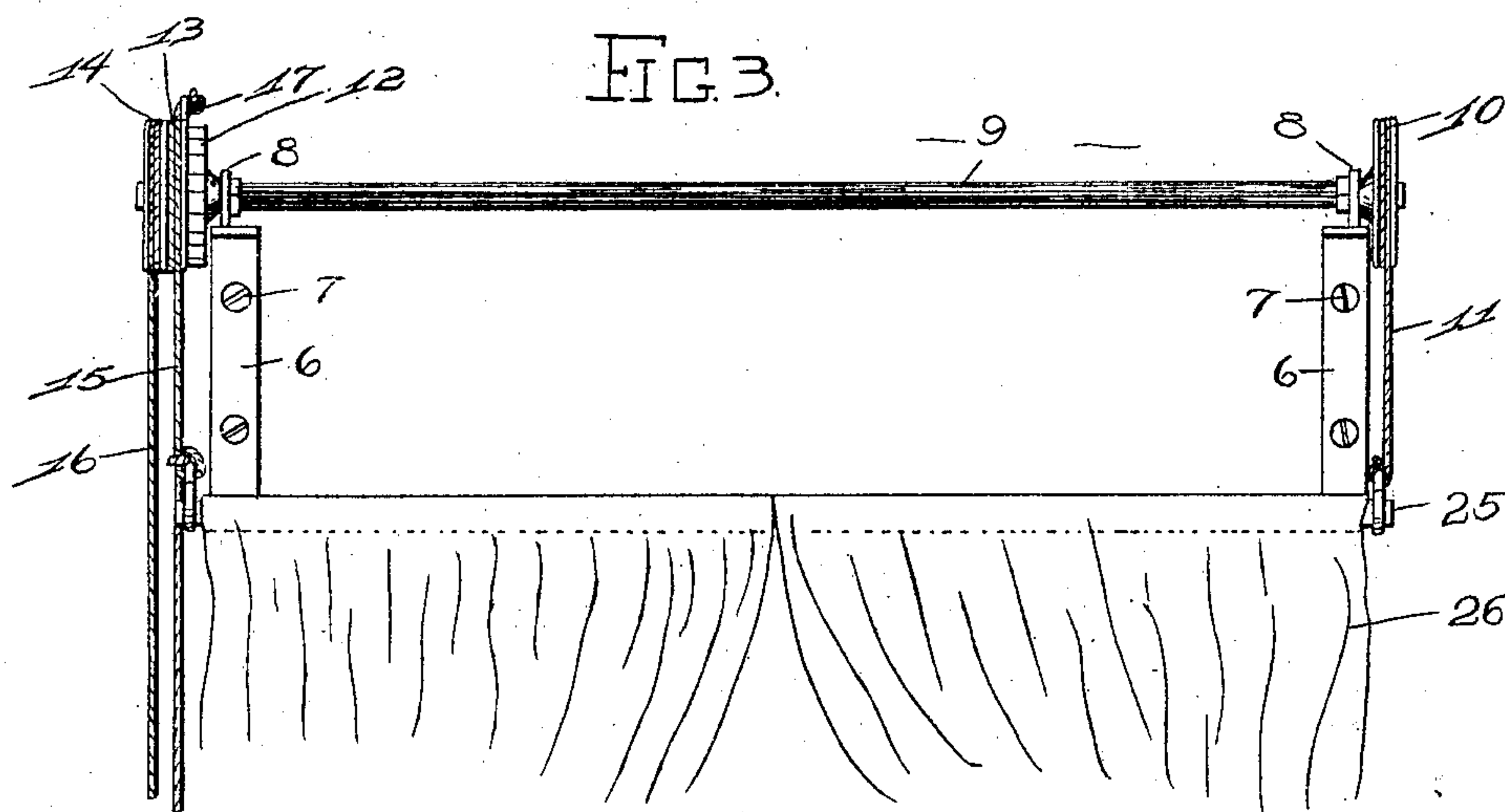
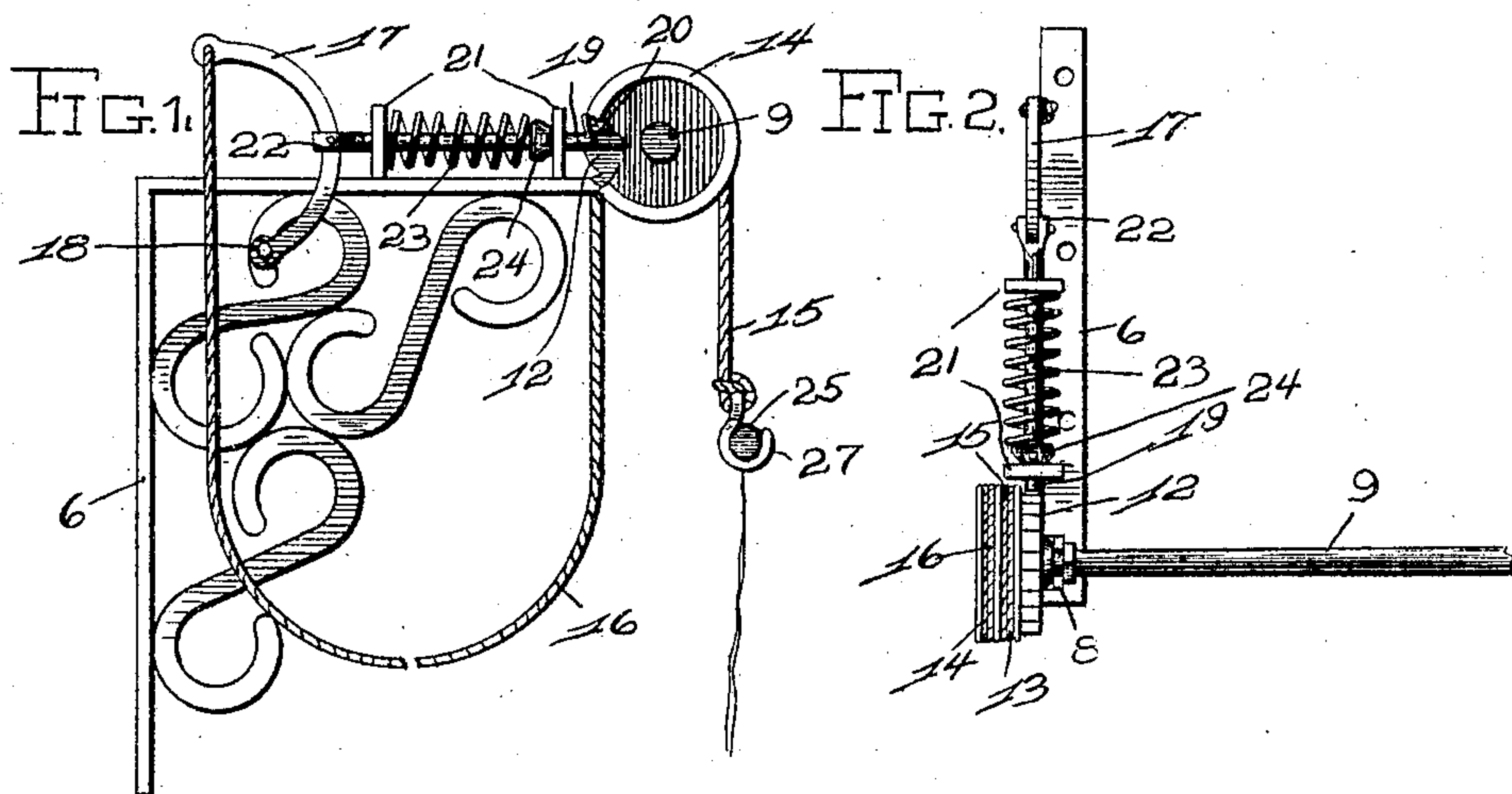


FIG. 4

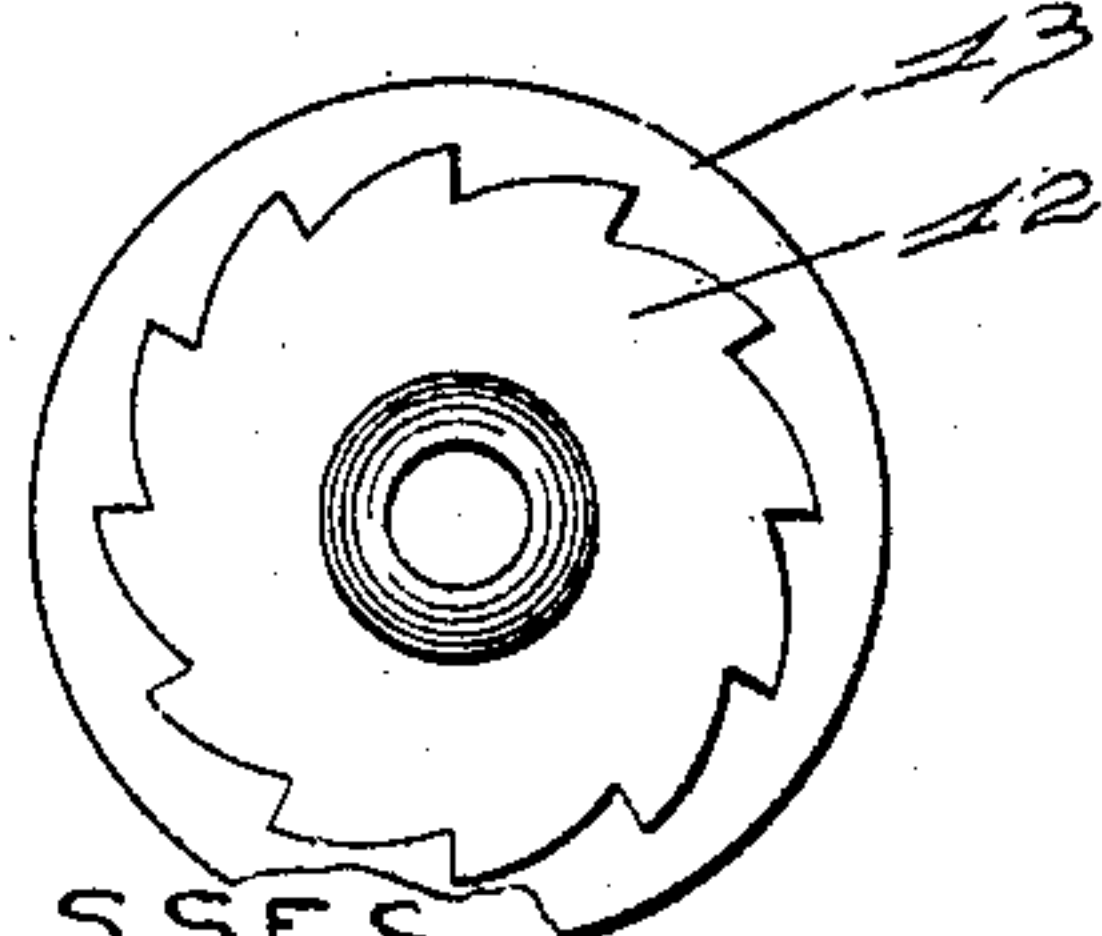
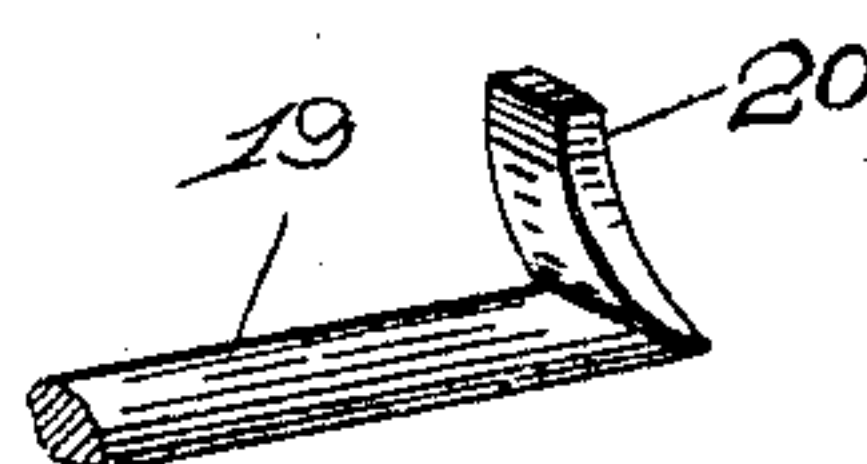


FIG. 5



WITNESSES

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UNITED STATES PATENT OFFICE.

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LACE-CURTAIN AND PORTIÈRE ELEVATOR.

No. 796,359.

Specification of Letters Patent.

Patented Aug. 1, 1905.

Application filed April 4, 1905. Serial No. 253,862.

To all whom it may concern:

Be it known that I, GEORGE ROSENTHAL, a citizen of the United States, and a resident of East St. Louis, Illinois, have invented certain new and useful Improvements in Lace-Curtain and Portière Elevators, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improved lace-curtain and portière elevator; and it consists in the novel construction hereinafter described and claimed.

The object of my invention is to provide improved means whereby lace curtains and portières and other articles of a similar nature which are usually suspended upon fixed poles may be quickly elevated and lowered for convenience in attaching the articles to their supporting-poles.

In the drawings, Figure 1 is a side elevation of my improved lace-curtain and portière elevator. Fig. 2 is a plan view of a portion thereof. Fig. 3 is a front elevation of the same in position supporting the portières. Fig. 4 is a detail view of a combined ratchet-wheel and double sheave. Fig. 5 is a perspective view of the free end of the dog which engages the ratchet-wheel.

6 indicates a pair of rectangular brackets which are to be secured in position adjacent the top of a window or door opening, suitable screws 7 being used for that purpose. The brackets are provided at the outer ends of their horizontal arms with bearings 8, in which are mounted a horizontal shaft 9. Upon one end of this shaft is a sheave 10, having a single groove in its periphery, and within each groove is wound and secured a cord or chain 11. On the opposite end of the said shaft 9 is fixed a combined ratchet-wheel and double sheave 12 13 14, and these parts are preferably all cast integral. Wound upon and fixed to the sheave 13 is a cord or chain 15. Fixed upon and wound around the sheave 14 in a direction opposite that in which the cord or chain 15 is wound on the said sheave 13 is another cord or chain 16, which latter I term the "operating-cord." Said operating-cord 16 extends downwardly within convenient reach of the operator; but it again is extended upwardly, and its opposite end is secured to a curved lever 17, the lower end of which is pivoted at 18 to an ornamental portion of one of the brackets 6.

19 indicates a dog which is provided with an inclined head 20 for engaging the teeth of the said ratchet-wheel 12, and said dog is mounted in a horizontal position upon the horizontal arm of the bracket 6, which carries the said lever 19. 21 indicates bearings in which the said dog is mounted. The inner end of said dog is pivotally attached at 22 to the said lever 17. A coil-spring 23 is mounted upon said dog between its inner bearing and a shoulder or collar 24, which is fixed upon said dog, and said spring normally urges the curved head 20 of said dog into contact with the teeth of said ratchet-wheel 12.

The usual curtain-pole 25 is employed for supporting the curtains or portières 26, and the ends of said pole rest upon hooks 27, which are carried on the lower ends of the cords or chains 11 and 15. The operation is as follows: When it is desired to lower the curtains or portières in order to adjust the same upon or to remove them from the pole 25, it will only be necessary to retract the dog 19 by pulling downwardly upon the upper end of the lever 17 by means of the cord 16, whereupon the ratchet-wheel 12 will be released, and the said wheel and also the sheaves 10 and 13 may then be rotated in a direction which will permit the curtains and their pole to be drawn downwardly, the said cords 11 and 15 unwinding from the said sheaves. When it is desired to elevate the curtains, it will only be necessary to pull upon the end of the cord 16 and unwind it from the outer sheave 14, and thereby rewind the cords 11 and 15 upon their respective sheaves, and thus elevate the curtains to any height desired.

I do not limit myself to the exact construction of the parts shown in the drawings, as the same may be changed by skilled workmanship without departing from the scope of my invention.

What I claim is—

The improved lace-curtain and portière elevator, comprising a pair of brackets to be fixed adjacent the upper end of a window or door, a shaft journaled in bearings carried by said brackets, two sheaves fixed upon said shaft, cords wound upon said sheaves and adapted to carry the curtain-pole at their lower ends, a third sheave fixed upon said shaft, a ratchet-wheel also fixed upon said shaft, a spring-actuated dog mounted to engage the teeth of said ratchet-wheel, a lever, 17, pivoted to said dog, and a cord or chain

adapted to be wound upon said third sheave in a direction opposite that in which the first-mentioned cords are wound, and the opposite end of said cord being connected to the said lever to retract said dog; substantially as specified.

In testimony whereof I have signed my name

to this specification in presence of two subscribing witnesses.

GEORGE ROSENTHAL.

Witnesses:

JAS. F. GOODRICH,

ED. B. DAVIS.