

No. 667,915.

Patented Feb. 12, 1901.

J. F. LANING.  
SECTIONAL BOOKCASE.  
(Application filed Nov. 9, 1900.)

(No Model.)

Fig. 1

Fig. 2

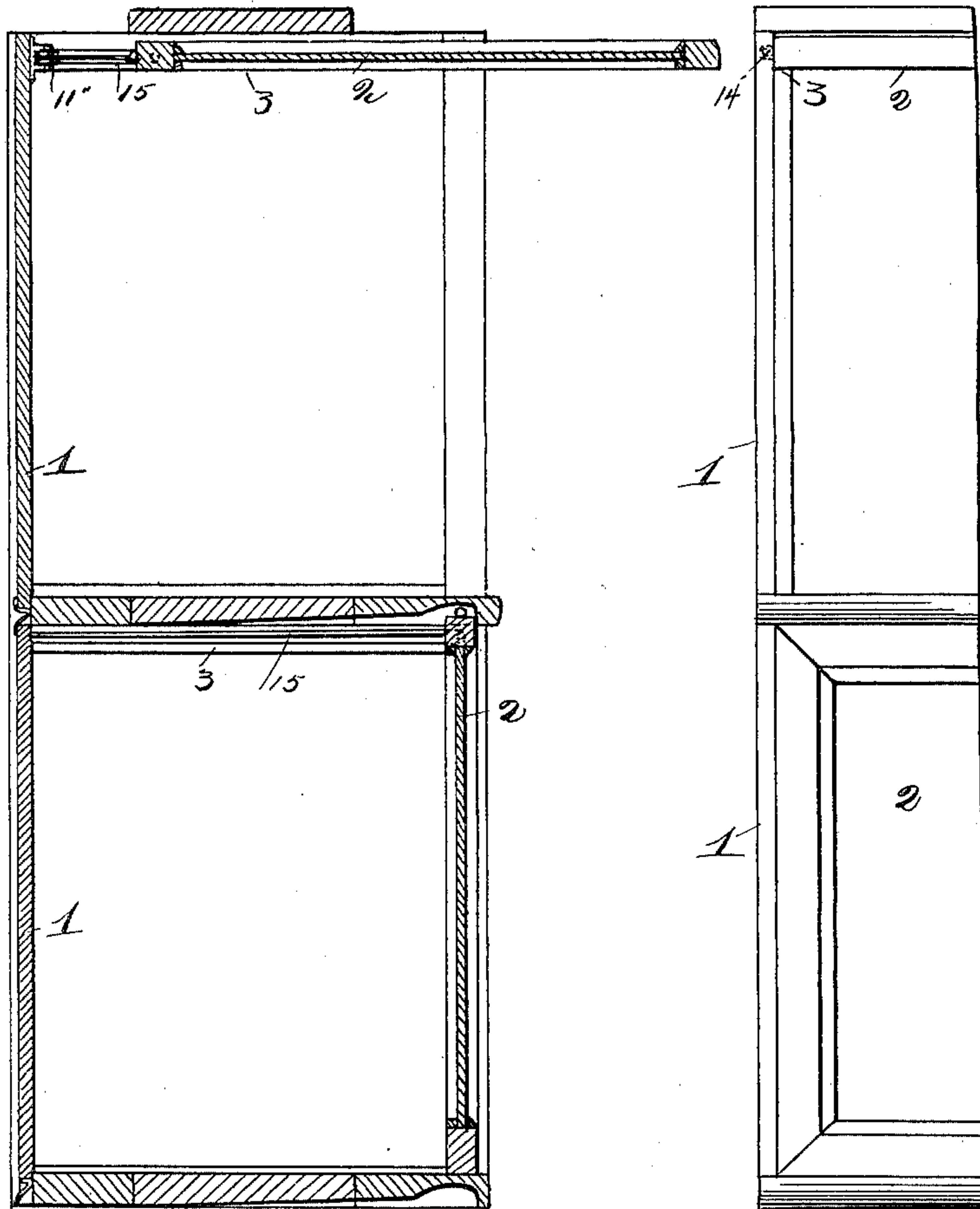


Fig. 4

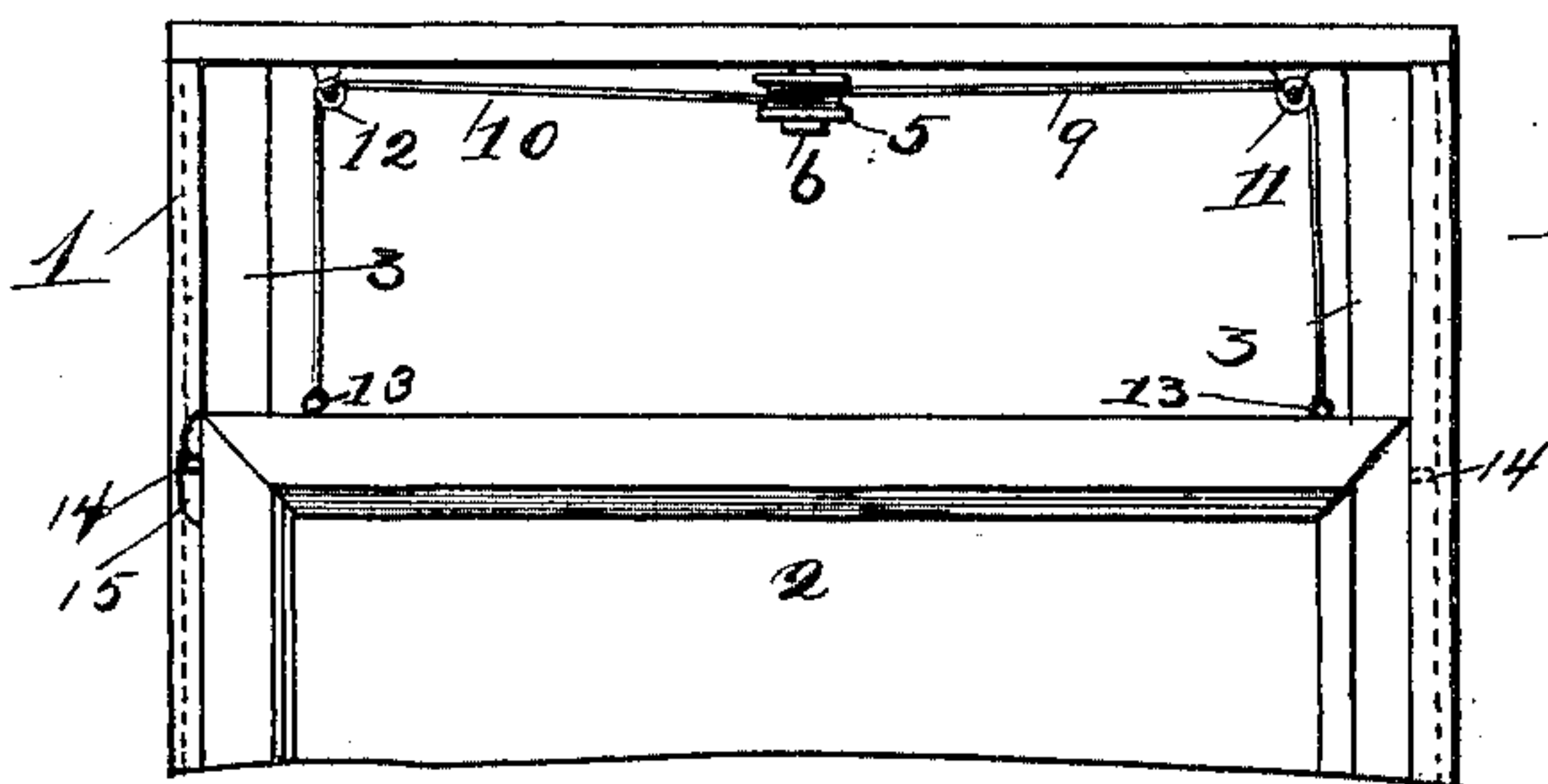
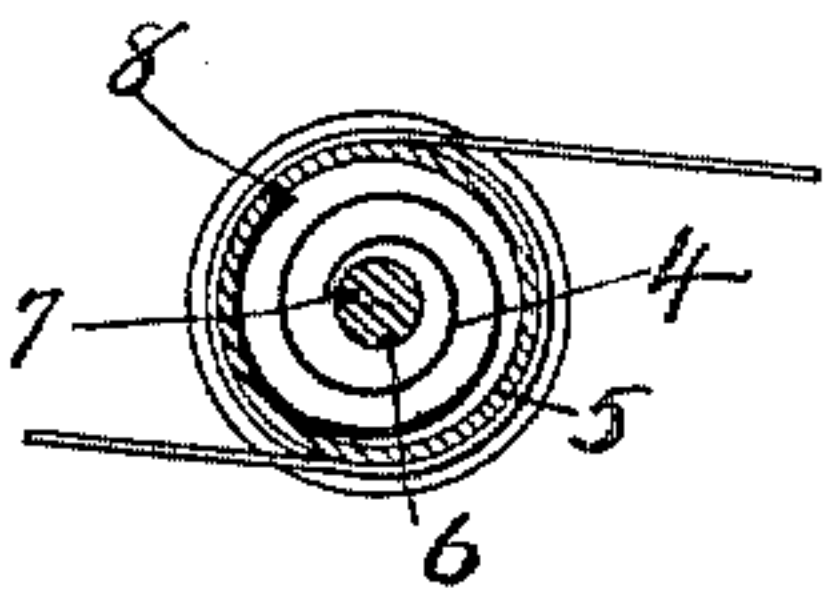


Fig. 3

Witnesses  
J. F. Laning  
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# UNITED STATES PATENT OFFICE.

JAY F. LANING, OF NORWALK, OHIO.

## SECTIONAL BOOKCASE.

SPECIFICATION forming part of Letters Patent No. 667,915, dated February 12, 1901.

Application filed November 9, 1900. Serial No. 35,960. (No model.)

*To all whom it may concern:*

Be it known that I, JAY F. LANING, a citizen of the United States, and a resident of Norwalk, county of Huron, State of Ohio, have  
5 invented certain new and useful Improvements in Sectional Bookcases, of which I hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to  
10 make and use the same.

My invention relates to improvements in sectional bookcases, and has especial reference to the movable front and construction of automatic means for withdrawing the front  
15 into the case when raised to the horizontal position.

My invention consists in the spring-actuated mechanism and in the combination and arrangement of the various parts, as herein-  
20 after described, shown in the accompanying drawings, and specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a section of the case from front to rear, showing two sections. Fig. 2 is a front view of a small portion of the case. Fig. 3 is a top view of the rear portion of the case; and Fig. 4 is a transverse section, somewhat enlarged, of the spring-actuated drum.

30 In the views, 1 is a section of the case.

2 is the sliding front, which is adapted to rest upon the shoulders 3 at the top of the case when in the horizontal position, as when pushed back into the casing to afford access  
35 to the books therein. The front 2 is automatically withdrawn into the case when in this position by means of the coiled spring 4 within the drum 5. One end of this spring is secured to a central pivot-pin 6 at 7 and  
40 the other is inserted into the drum at 8. Upon this drum are coiled the cords 9 and 10, which pass, respectively, over the pulleys 11 and 12 on the rear of the case and placed on each side of the drum, and thence pass to the rear edge  
45 of the movable front, to which they are secured at 13.

In operation it will be seen that when the movable front is drawn out the cords 9 and 10 will rotate the drum and coil up the spring therein upon the central pin, thus placing the  
50 drum under tension, and when the front is placed in the horizontal position and released the spring will uncoil and rotate the drum in a reverse direction, so as to rewind the cords and pull back the front again within the case. 55

The movement of the front is limited outwardly by means of pins 14, shown in the figures as inserted in the front and arranged to travel in guiding-grooves 15, which do not extend entirely to the front of the section, the  
60 closed end of the groove forming a stop and pivotal point for the pins when the front is lowered into its place.

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

1. In combination with a case, a sliding front operating therein, a drum journaled upon said case in the rear wall, a coil-spring mounted within said drum, and suitable con-  
70 nections between said drum and said front and said drum and spring.

2. The combination with a case, of a sliding front operating therein, a pin secured in the rear wall of the case, a drum journaled there-  
75 on, a coil-spring secured at one extremity to said pin and at the other extremity to the said drum, and cords arranged at either side and at the rear of the said casing and pulleys at the corners thereof over which said cords pass, 80  
the said cords wound upon said drum, from opposite sides thereof, and secured at their outer extremities to said sliding front.

In testimony whereof I have signed my name to this specification in the presence of  
85 two subscribing witnesses.

JAY F. LANING.

Witnesses:

FORD H. LANING,  
ANNE J. SHELDON.