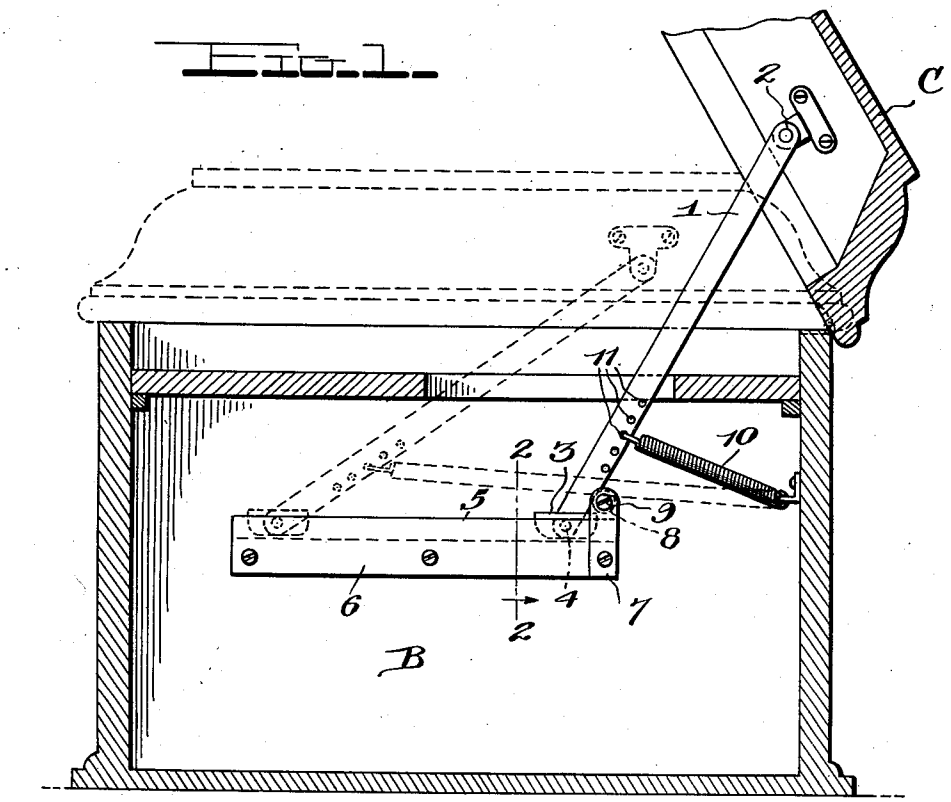
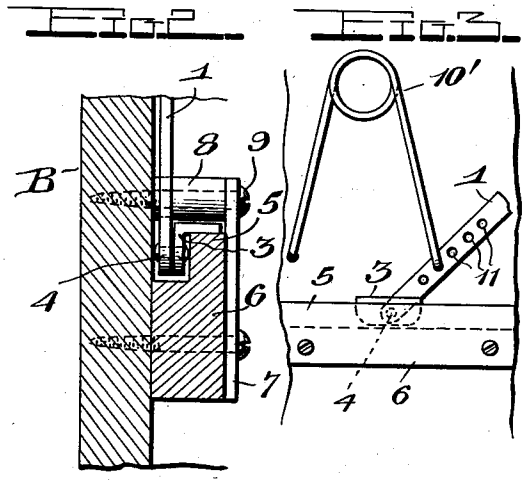
I. B. MACOMBER.

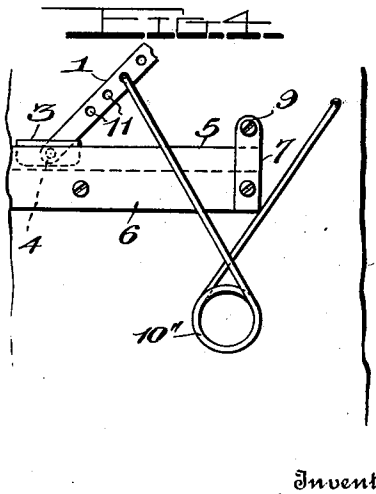
SUPPORT FOR HINGED COVERS.

APPLICATION FILED MAR. 7, 1917.

1,265,930. Patented May 14, 1918.







Witness

Inventor

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UNITED STATES PATENT OFFICE.

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SUPPORT FOR HINGED COVERS.

1,265,930. Specification of Letters Patent. Patented May 14, 1918.

Application filed March 7, 1917. Serial No. 153,221.

To all whom it may concern:

Be it known that I, ISAAC B. MACOMBER, a citizen of the United States, residing at Portsmouth, in the county of Newport and State of Rhode Island, have invented a new and useful Improvement in Supports for Hinged Covers, of which the following is a specification.

This invention relates to supports for hinged covers, and while particularly adapted for talking machine covers, is not so limited.

The object of the invention is to provide means which operates to hold the cover open, and which is overcome by the weight of the cover when the latter is closed.

In the drawings—

Figure 1 is a longitudinal sectional view of a talking machine cabinet with the present invention applied thereto.

Fig. 2 is an enlarged section on line 2—2 of Fig. 1.

Fig. 3 is a fragmentary side elevation showing a modified form of spring, and

Fig. 4 is a similar view showing a further modified form of spring.

A link 1 is pivoted at 2 to the cover C and has a shoe 3 of L-shape in cross section pivoted to its lower end by a pin 4.

The shoe 3 slides on the tread member 5 of a track 6 and is held against lateral movement by the inner side of the tread and the adjacent side of the cabinet body B.

A metal strap 7 is secured to the track 6 at the inner end of the latter and is engaged with a rubber cylindrical stop 8 the latter extending across the inner end of the track. A screw 9 passes through strap 7, and stop 8, and into body B. To secure the cover in open position, a coiled spring 10 is secured at one end to body B and at its other end in one of a series of holes 11 in link 1.

In Fig. 3 a modified form of tension spring 10′ of the torsional type is employed, while in Fig. 4 a torsional spring 10″ of the compression type is employed.

When the cover is raised, the spring pulls rearwardly on link 1 until the latter encounters the stop 8, whereupon the spring acts to hold the link against the stop and the cover open. The spring also assists in opening the cover by pulling on the link. When the cover is closed the action of the spring is not sufficient to overcome the weight of the cover and the friction incident to the shoe bearing on the track, so as to raise the cover. By employing a series of holes 11, the tension of the spring on the link may be regulated, as is believed obvious.

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

1. A support for hinged covers composed of a link pivoted to the cover, a pivoted friction shoe of L-shape borne by the link, a track for securement to a body having a raised tread spaced from the inner side face of the body, the shoe riding on the track and extending in the space between the tread and body to be guided against lateral movement on the tread, a strap secured to the track, a cylindrical rubber stop engaged between the strap and body, a screw projected through the strap, through the stop and secured in the body, and a spring secured to the link and body for tensioning the link.

2. A support for hinged box covers including a link pivoted to the cover, a track, friction means pivotally connected to the link and provided with a broad flat friction face slidable along the track, and spring means connected at one end to the link and having its opposite end anchored to act on the link directly and independently of the mounting of the link for exerting tension thereon in a rearward and downward direction to increase the frictional contact between said first means and the track.

3. A support for hinged covers including a spring tensioned link pivoted to the cover, a track for securement to a body having a raised tread spaced from the inner side face of the body, said link having its lower end extending into the space between the tread and body to be guided in its movements, and an inverted L-shaped friction shoe having the horizontal flange riding on top of the track tread and its vertical flange extending into said space between the body and tread and pivoted to the link.

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

ISAAC B. MACOMBER.

Witnesses:

ADA E. HAGERTY,

J. A. MILLER.