

No. 845,800.

PATENTED MAR. 5, 1907.

A. LIPSCHUTZ.
JOURNAL BOX LID.
APPLICATION FILED NOV. 27, 1905.

Fig. 2.

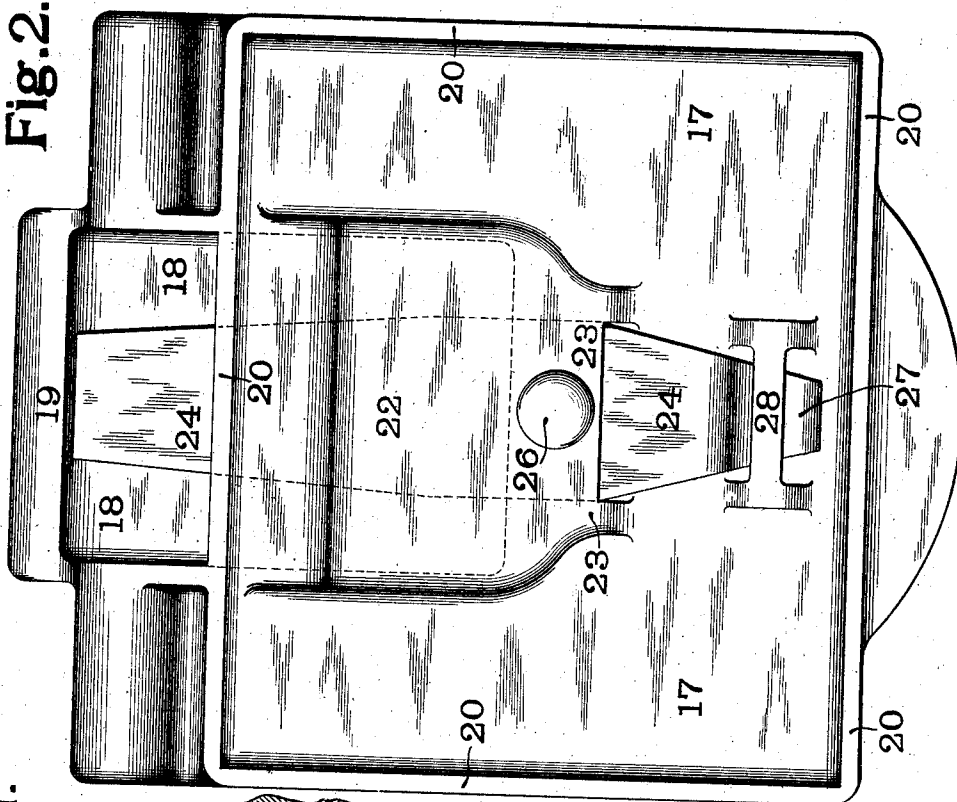
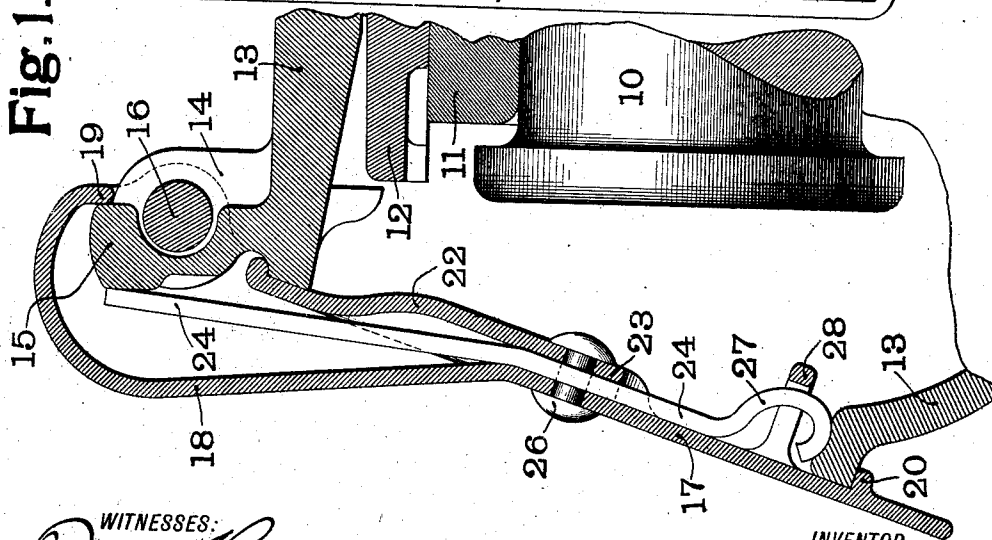


Fig. 1.



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JOURNAL-BOX LID.

No. 845,800.

Specification of Letters Patent.

Patented March 5, 1907.

Application filed November 27, 1905. Serial No. 289,170.

To all whom it may concern:

Be it known that I, ARTHUR LIPSCHUTZ, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented a certain new and useful Journal-Box Lid, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates more particularly to an improved lid for journal-boxes, and has for its object to provide a journal-box lid for railway-car journal-boxes and the like which will be simple and durable in construction and will at the same time completely close the mouth of the box against the admission of dust and dirt.

In the drawings, in which like characters of reference indicate similar parts in the different views, and which show one of the forms in which my invention may be embodied, Figure 1 is a fragmentary vertical section of my improved lid as applied to an ordinary journal-box, and Fig. 2 is an elevation of the inner side of the lid.

A journal of ordinary construction is indicated at 10. Upon it rests the brass 11, above which is the key 12. 13 indicates the upper and lower walls of the box. The upper wall of the box is provided with hinge-pin lugs 14, between which is a grooved flange 15. The hinge-pin 16 passes through the usual perforations in the ends of the lid and along the groove in the rear face of the flange 15. These parts are of usual and well-known construction and are therefore not more particularly described here.

The lid proper, which is indicated at 17, is approximately flat and is provided with a hood 18, extending over the top of the flange 15 and lugs 14 and having a lip 19 in contact with the rear face of said flange when the lid is in closed position, thus completely preventing the entry of dust and dirt at this point. The said lid, moreover, is provided with a continuous flange 20, which closely surrounds the mouth of the box 13, thus also preventing the entry of dust at this point. The upper portion of the lid is bent or offset inwardly, as shown at 22, to form a wall which closes a portion of the hood, and the lower edge 23 of said wall terminates at a point below the lower end of the hood. A flat spring 24 is secured to the inside of the

lid below the lower end of the hood by a rivet 26, which passes through the lid and through the wall, and the upper end of said spring bears in the usual way against the flange 15. The lower end of this spring 24 is provided with a hook or lock 27, which engages with a notch in the lower wall 13 of the box to lock the lid in closed position. A stop 28 limits the movement of this lock. It is evident that by this construction I am enabled to fasten the spring 24 snugly in position on the lid 17, and as the spring has no movement at its point of attachment no space is left between said spring and lid for the entry of dust at this point into the box, thus completely closing the mouth of the box and providing a lid which is imperforate above the lug on which the retaining-spring is fastened.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A journal-box lid provided with a hood, a leaf-spring secured to the inside of the lid below the lower end of said hood and projecting into the same, said hood having a wall, formed integral therewith which forms a closure for a portion of the hood and is imperforate above the point where the spring is secured to the lid, said wall extending below the point where the spring is secured to the lid; substantially as described.

2. A journal-box lid provided with a hood, an inwardly-extending wall closing a portion of the hood and terminating below the lower end of the hood, a flat spring interposed between the wall and the inside of the lid, and a fastening device passing through the lid, the spring and the wall at a point below the lower end of the hood, said wall being imperforate above said fastening device; substantially as described.

3. A journal-box lid provided with a hood, and a flat spring secured to the inside of the lid below the lower end of said hood, said lid comprising an inwardly-extending wall which partially closes the hood and terminates below the point where the spring is secured to the lid, said wall being imperforate above the point where the spring is secured to the lid; substantially as described.

4. In combination with a journal-box, a hinged lid covering the mouth of said box and provided with a hood, and a flat spring secured to the inside of the lid and extending into said hood, said lid having a wall partly

closing said hood and extending below the point where the spring is secured to the lid, which wall is imperforate above the point where the spring is secured to the lid; substantially as described.

5 5. In combination with a journal-box, a hinged lid covering the mouth of said box and provided with a hood, a flat spring secured to the inside of the lid and extending
10 into said hood, said lid being provided at its upper edge with a flange for embracing a portion of the journal-box, and with a portion acting as a closure for the hood and extending below the point where the spring is se-
15 cured to the lid, said portion being imperforate above the point where the spring is secured to the lid; substantially as described.

6. In combination with a journal-box, a hinged lid provided with a hood, and a leaf-

spring riveted to the inside of the lid below 25 the lower end of the hood which forms a cover for the spring, said lid being provided with an intergal wall which partly closes the hood and is curved toward the inside of the journal-box out of the path of the spring, 25 said wall being imperforate above the point where the spring is secured to the lid and terminating below the point where the spring is connected to the lid; substantially as described. 30

In testimony whereof I have hereunto set my hand and affixed my seal in the presence of the two subscribing witnesses.

ARTHUR LIPSCHUTZ. [L. S.]

Witnesses:

JAMES H. BRYSON,
WALTER SHELTON.