

C. A. SWALLOW.
JOURNAL BOX LID.
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1,062,054.

Patented May 20, 1913.

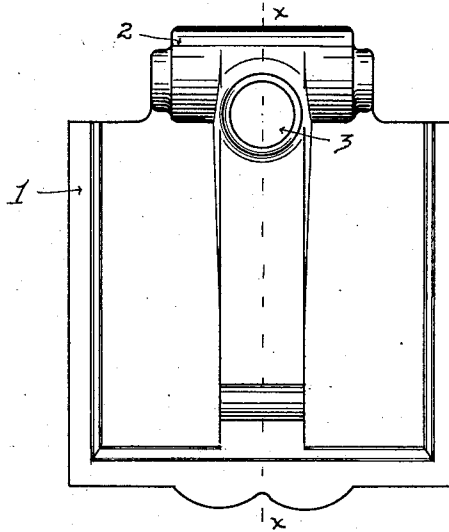


Fig. 1

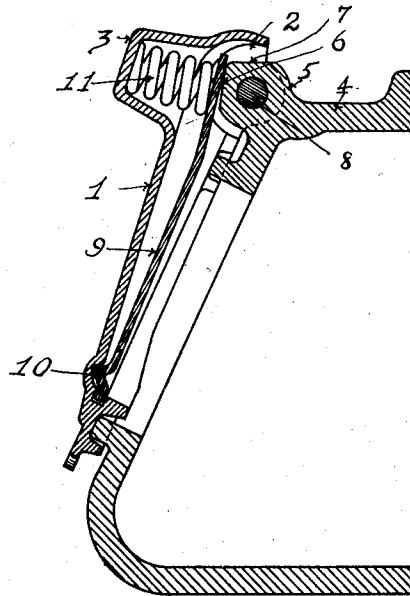


Fig. 2

WITNESSES:

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CHARLES A. SWALLOW, OF BUFFALO, NEW YORK.

JOURNAL-BOX LID.

1,062,054.

Specification of Letters Patent.

Patented May 20, 1913.

Application filed November 29, 1912. Serial No. 734,018.

To all whom it may concern:

Be it known that I, CHARLES A. SWALLOW, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Journal-Box Lids, of which the following is a specification.

My invention relates to journal box lids, and more particularly to improvements in spring closing and spring holding means.

The object of my invention is to meet the following conditions and needs, namely: First, a construction which conforms to the standard M. C. B. box. Second, the construction must be such as to be interchangeable, part for part, with such standard box not provided with my improvements; so that I may apply my lid and spring to any standard box, and so that a standard lid may be applied to a box of my manufacture. While numerous journal boxes have been designed with various spring reinforcing means, they have all, so far as I am aware, either lacked perfect interchangeability or employed such numerous or special additional parts as to render them objectionable. Third, to afford simple and effective means for reinforcing the leaf spring which will act positively and effectively when the lid is in the closed position to hold the lid tightly closed to exclude dust and other foreign matter when the box is subjected to jar and vibration. These and other objects and advantages will be evident from the drawings herewith, in which—

Figure 1 is an elevation of a journal box provided with my improvements, and Fig. 2 is a section on the line $x-x$ of Fig. 1.

The lid 1 has the usual hinge members 2, which are secured pivotally to the lug 5 on

the box body 4 by a standard pintle 8. The lug 5 has the usual flattened faces 6 and 7 for the leaf spring 9, and the leaf spring 9 is secured to the lid 1 at 10 in the usual manner. These are structural features common to all standard boxes.

The lid 1 is provided with a cup or recess 3 which is positioned directly over the lug 5 and over the leaf spring 9. In this recess is placed a spiral reinforcing spring 11, the outer end of which bears against the inner flat surface of the cup or recess 3 and the inner end of which bears against the outer face of the leaf spring 9 directly over the lug 5.

The operation is evident. The spring 11 compels the leaf spring 9 to press against the flattened side of the lug 5 and hold the lid tightly closed, even if the leaf spring has become weakened or has worn loose in the seat in the lid. And it is also evident that, if the lid is broken or lost, an ordinary standard lid may be put in place; and also that my improved lid may be attached in like manner in place of an ordinary lid. Having thus described my invention, I claim:

In combination with the body of a journal box having a lug, a box lid, a leaf spring secured to the box lid, a spiral spring interposed between said lid and said spring and means on said lid for holding said spiral spring in place.

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

CHARLES A. SWALLOW.

Witnesses:

FRANK J. REINHARDT,
J. H. ZOOK.