

UNITED STATES PATENT OFFICE.

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JOURNAL-BOX.

No. 881,866.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES S. PATTEN, a citizen of the United States, residing at Baltimore city and State of Maryland, have invented certain new and useful Improvements in Journal-Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to journal boxes and more particularly to closures therefor, and has for its object to provide a box having a single means for holding the lid yieldably at times in closed position and at times in open position.

Another object is to provide a box which will be extremely simple and which may thus be produced at a low figure.

Other objects and advantages will be apparent from the following description, and it is to be understood that I do not desire to be limited to the exact details of construction shown and described, for obvious modifications will occur to a person skilled in the art.

In the drawings forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of a portion of the box with the lid in open position. Fig. 2 is a sectional view of the box with the lid in closed position.

Referring now to the drawings, the present invention comprises a hollow body portion 5, having the usual opening 6, and at the upper portion of this opening, the box is rabbeted, as shown at 7. A transversely extending enlargement 8 is formed upon the top 9 of the box at the forward portion thereof, this enlargement being hollow, as shown at 10, and communicating with the interior of the body portion 5. Upwardly extending wings 11 are carried by the rib 8 and have engaged therein a horizontal transversely extending pivot pin 12 with which are pivotally engaged upwardly and rearwardly curved fingers 13 carried by a lid 14 provided to close the opening 6, this lid being formed at its upper portion to fit in the rabbet 7 when the lid is in closed position.

A vertically extending projection 15 is carried by the inner face of the lid at the upper portion thereof and has a longitudinal passage 16 formed therewithin, in which is en-

gaged a laterally turned end portion 17 of a helical spring 18, this spring extending into a hollow enlargement 19 formed upon the lid 14 and extending forwardly therefrom, the interior of the enlargement communicating with the interior of the body portion, as will be understood.

The other end of the spring 18 lies at the lower portion thereof, and is formed into an eye 20 in which is pivotally engaged the lower looped end of an upwardly extending rod 21, which has an inwardly extending lateral turn 22 at its upper portion, and beyond this turn, it is curved upwardly and then forwardly, as shown at 23 and 24 respectively, the extremity of the portion 24 extending into the chamber 10 of the enlargement 8 and being pivotally engaged with a horizontal pivot pin 25 located within this chamber. The rod thus has a rearwardly offset portion adjacent to its upper end, which forms a yoke located to receive the forward portion of the top 9 therewithin when the lid of the box is raised, and it will be understood that this raising of the lid, will place tension upon the spring 18, this being apparent from the drawings. It will also be seen that when the lid is raised and moved rearwardly beyond its center of pivotal movement, the action of the spring will operate to hold it yieldably in open position, whereas when the lid has been moved forwardly beyond its pivot point, the spring will operate to move it into closed position.

What is claimed is:

A journal box comprising a hollow body portion having an opening therein, there being an enlargement formed upon the body portion and having a chamber therewithin communicating with the interior of the body portion, said enlargement being located above the opening; and wings carried by the body portion above the opening, a lid for the opening, there being fingers carried by the lid and pivotally connected with the wings, said lid having a forwardly extending hollow enlargement opening through the inner face of the lid, and a projection located upon the inner surface of the lid above the enlargement, said projection having a passage therewithin, a helical spring having an end engaged in said passage, said spring extending into the enlargement of the lid, and a rod pivoted to the other end of the spring at its

lower end, and having its upper end pivoted within the chamber of the first named enlargement, said rod having a rearwardly offset portion adjacent to its upper end, arranged to receive the forward portion of the top of the box therewithin when the lid is moved into open position.

In testimony whereof, I affix my signature, in presence of two witnesses.

JAMES S. PATTEN.

Witnesses:

HARRY E. CHANDLEE,
GEO. H. CHANDLEE.