No. 823,875. PATENTED JUNE 19, 1906.

J. KASTNER, JR.

DUST PROOF INK WELL COVER.

APPLICATION FILED SEPT. 19, 1905.

Fig. 1.

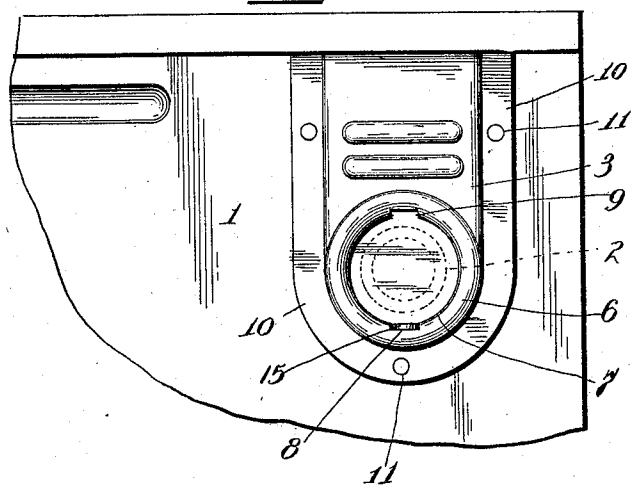


Fig. 2.

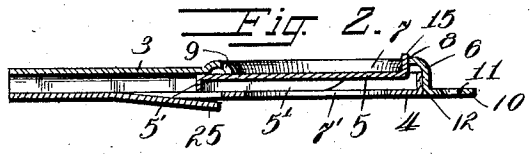


Fig. 3.

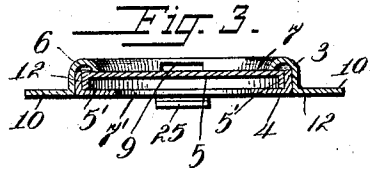


Fig. 4.

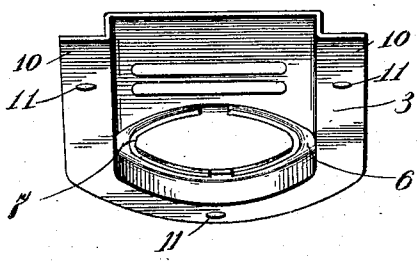
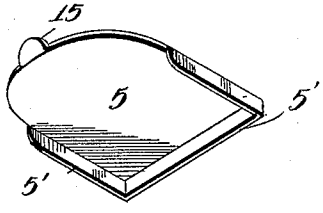


Fig. 6.



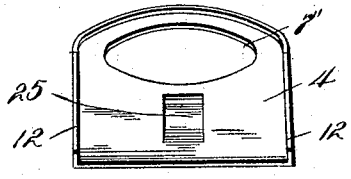
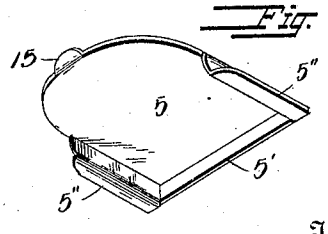


Fig. 5.

Fig. 7.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN KASTNER, JR., OF EVANSVILLE, INDIANA, ASSIGNOR OF TWO-THIRDS TO SIGURD E. ANDERSON AND FRED W. GOEDEKE, OF EVANSVILLE, INDIANA.

DUST-PROOF INK-WELL COVER.

No. 823,875. Specification of Letters Patent. Patented June 19, 1906.

Application filed September 19, 1905. Serial No. 279,068.

To all whom it may concern:

Be it known that I, JOHN KASTNER, Jr., a citizen of the United States, residing at Evansville, county of Vanderburg, and State of Indiana, have invented certain new and useful Improvements in Dust-Proof Ink-Well Covers, of which the following is a specification.

This invention relates to dust-proof ink-well covers, and more particularly to those adapted to be attached to a school or other desk having a sunken ink-well.

The object of the present invention is to provide an improvement on the ink-well cover set forth in my copending application filed May 18, 1905, Serial No. 261,026. In that application there is disclosed and claimed an improved dust-proof ink-well cover having a frame of two pieces of sheet metal which may be soldered or connected together, one within the other, to form a guideway or loosely fitted within each other and held together when the device is screwed to the school or other desk. The invention disclosed in that application also embodies a sheet-metal flanged cover slidable between the frame-pieces and adapted to open or close openings in the frame which register with the mouth of the usual ink-well, which is sunk in the desk in a well-known manner.

The present invention has for its object the provision of improved means whereby the parts of the frame and the sliding cover will always be kept snugly associated, so that the cover will always exclude dust from the ink-well when closed, and the present improvement obviates the necessity of soldering or connecting the parts of the frame together to maintain a tight fit between the frame and cover, and thus exclude dust from the ink-well.

The invention is set forth in detail hereinafter and the novel features are recited in the claims.

In the accompanying drawings, Figure 1 is a plan view of the invention in use; Fig. 2, a longitudinal section of the device removed from the desk; Fig. 3, a cross-section; Fig. 4, a detail view of the respective parts of the frame shown detached; Fig. 5, a perspective of the inner part of the frame, showing the spring; Fig. 6, a detail of the sliding cover, and Fig. 7 a detail of a modified form of sliding cover.

The numeral 1 designates the top of an ordinary school-desk, which is provided with the usual ink-well 2, sunk therein below the top of the desk. The ink-well cover consists of a frame composed of the outer part 3, the inner part 4, and the slide or cover 5, all of which are of sheet metal. The outer part 3 has a raised portion 6, provided with a circular opening 7 of about the same size as the ink-well 2 and provided with diametrically opposite notches 8 and 9. The outer part 3 also has a flange 10, provided with screw-holes 11, by which the device may be screwed down tightly on the desk, so as to exclude all dust. The inner part 4 has an opening 7′ corresponding to the opening 7, and it is provided with the flanges 12 and fits into the raised portion 6 of the outer frame member 3. This provides a space or guideway between the parts 3 and 4 for the slide or cover 5, which has the side and end flanges 5′, causing it to fit tightly, and yet be adapted for movement between the outer and inner parts 3 and 4. The tight fitting of the slide or cover 5 absolutely prevents the access of dust to the ink-well, and there are no projecting parts to be injured or broken. The slide 5 is provided with a finger-hold 15, adapted to engage either of the notches 8 or 9 and formed by bending up the material. The flange 5′ may be provided with a lateral offset portion 5″, as shown in Fig. 7, if preferred. As thus set forth, the construction is in all respects similar (with the exception of flange 5) to that described and claimed in my application filed May 18, 1905, Serial No. 261,026. In that application I stated that the frame parts 3 and 4 might be connected together by soldering or by lips or otherwise, and while such connection was not essential it rendered the device more nearly dust-proof. With the present invention soldering or fastening together of the parts 3 and 4 is entirely unnecessary.

To carry out the present invention, one or more springs are employed to hold the frame part 4 firmly and yet yieldingly against the cover 5 and frame part 3, so that a tight

joint is always had and dust absolutely excluded. The spring may be placed in any desired position on any of the parts to accomplish the desired result, and it may be separately formed or struck up as a spring-tongue from the part on which it is located, and I distinctly wish it understood that I do not limit myself to an integral or non-integral spring or to a spring placed on any particular part of the device or in any particular position, provided it will accomplish the function sought after; nor do I limit myself to the use of a single spring, as a plurality of springs may be employed.

The invention may be conveniently carried out by striking up a spring-tongue 25 from the frame part 4, said spring being adapted to bear against the desk 1 when the entire device is assembled and by its compression hold the part 4 firmly against the cover 5 and also against the part 3. The cover 5 is thereby snugly associated with the parts 3 and 4, free to be slid to cover or uncover the ink-well, and all dust is excluded from the ink-well 1.

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

1. In an ink-well cover or closure attachment for desks, the combination with a guiding-frame adapted for attachment to the desk, and a cover or slide guided by said guiding-frame and adapted to close the ink-well, of spring means adapted for holding the cover or slide in yielding slidable engagement with the guiding-frame.

2. In an ink-well cover or closure attachment for desks, the combination with a two-part guiding-frame adapted for attachment to the desk, and a cover or slide positioned between the parts of said two-part guiding-frame and adapted to close the ink-well, of spring means adapted to insure a yielding slidable engagement of the cover with the guiding-frame.

3. In an ink-well cover or closure attachment for desks, the combination with a two-part guiding-frame adapted for attachment to the desk, said frame having its parts loosely associated, and a cover or slide positioned between the two parts of said frame and adapted to close the ink-well, of spring means adapted for pressing the frame parts and the slide or cover together.

4. In an ink-well cover or closure attachment for desks, the combination with a guiding-frame composed of outer and under parts, the outer part being adapted for attachment to the desk and the under part lying against the desk, said parts being loosely associated, and a cover or slide positioned between the outer and under parts of said frame and adapted to close the ink-well, of a spring interposed between the under frame part and the desk and adapted for pressing the frame parts and the cover together.

5. In an ink-well cover or closure attachment for desks, the combination with a guiding-frame composed of outer and under parts, the outer part being adapted for attachment to the desk and the under part lying against the desk, said parts being loosely associated, and a cover or slide positioned between the outer and under parts of said frame and adapted to close the ink-well, of a spring secured to the under frame part and bearing against the desk, said spring being adapted for pressing the frame parts and the cover together.

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

JOHN KASTNER, JR.

Witnesses:
F. C. GORE,
WM. B. LE MASTER.