

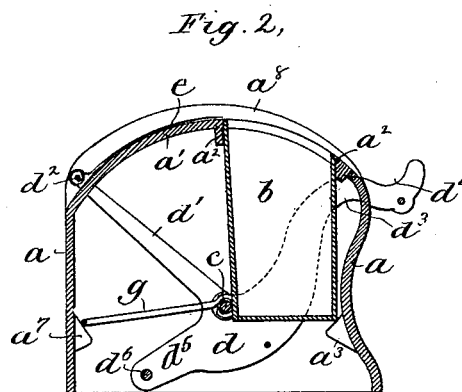
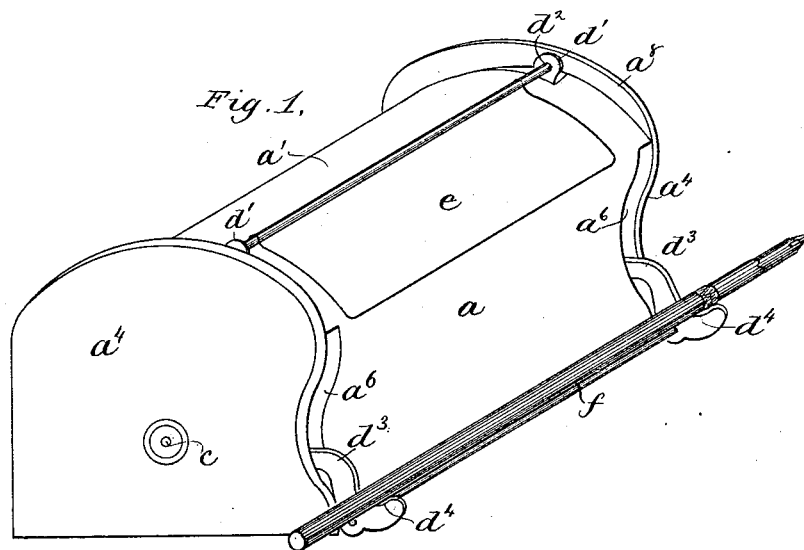
(No Model.)

H. A. BURGESS.

INKSTAND.

No. 346,263.

Patented July 27, 1886.



Witnesses.
Jas. J. Maloney.
H. P. Bates.

Inventor.
Harry A. Burgess,
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Att'y.

UNITED STATES PATENT OFFICE.

HARRY A. BURGESS, OF BOSTON, MASSACHUSETTS.

INKSTAND.

SPECIFICATION forming part of Letters Patent No. 346,263, dated July 27, 1906.

Application filed February 4, 1886. Serial No. 190,821. (No model.)

To all whom it may concern:

Be it known that I, HARRY A. BURGESS, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Ink-stands, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention relates to an inkstand of that class in which the cover is automatically operated by the weight of the pen-holder, so as to be closed or cover the ink-reservoir when not in use, and to uncover the same when the pen-holder is removed.

The invention is embodied in an inkstand composed of a frame which supports the ink reservoir or receptacle, and has a curved top provided with a correspondingly curved cover which has a sliding movement on the top of the stand by which it covers or uncovers the ink-receptacle. The said cover is connected with a frame pivoted concentrically with the curve of the upper part of the inkstand, and provided with arms which project at the front of the stand, and are provided with recesses or seats to receive the pen-holder, the weight of which moves the said frames in the direction to slide the cover over the ink-receptacle. The frames are counterbalanced, so that when the weight of the pen-holder is removed they move in a direction to slide the cover off from the ink-receptacle, leaving the ink accessible to the pen. The cover-actuating frames are provided with an auxiliary weight, which is applied when the cover is closed, and increases the tendency of the cover to move backward when the pen-holder is removed, but is independently supported when the cover is moved back or uncovered, so that it does not resist the initial movement produced by the weight of the pen-holder. The inkstand or frame is provided at its ends with upwardly-projecting ridges or flanges, which tend to guide a pen-holder into the pen-receiving recesses, and also would support any object which might rest on or against the inkstand above the cover, and so as not to interfere with the movement thereof. The cover is pivoted or hinged upon its actuating-frame, so that it can also be turned to uncover the ink-receptacle independently of its automatic operation.

Figure 1 is a perspective view of an inkstand embodying this invention, shown as having a pen-holder supported thereon and with the cover closed, and Fig. 2 is a transverse section of the inkstand with the pen-holder removed and the ink-reservoir uncovered.

The inkstand comprises a frame, *a*, having a curved top, *a'*, and a socket or recess, *a''*, for the ink-receptacle *b*, which is removable from the said frame, and has its upper portion curved to correspond with the curvature of the upper part, *a'*, of the frame. The lower portion of the receptacle *b* rests upon a projection, *a'''*, at the inside of the frame and against the rod *c*, by which the end portions of the frame are fastened together, so as to clamp the main body of the frame between them, the said frame being shown in this instance as made of three pieces of cast metal. The rod *c* is concentric with the curvature of the upper part, *a'*, of the frame, and serves as a bearing for the cover-actuating and pen-receiving frames *d*, which are provided with arms *d'*, extended through slots in the upper part of the frame *a*, and connected by a rod, *d''*, upon which the cover *e* for the ink-receptacle is pivoted. The said cover is curved to correspond with the curvature of the upper part, *a'*, of the frame, and has a sliding movement thereon, produced by the rocking of the frames *d* on their pivot *c*, by which movement it is placed over the top of the ink-receptacle, as shown in Fig. 1, or moved back to uncover the same, as shown in Fig. 2. The frames *d* also have arms *d'''* extending out through slots *a''* at the front of the frame, and provided with recesses or seats *d''''*, to receive a pen-holder, *f*, as shown in Fig. 1, the weight of which is sufficient to depress the arms *d'''* and move the arms *d'* and cover *e* forward to cover the ink-receptacle *b* when not in use. The frames *d* are also provided with arms *d''''* on the opposite side of the pivot *c* from the arms *d'''*, and connected by a rod or bar, *d''''''*, which serve as a counter-balance for the arms *d'''*, and cause the frames *d* to turn to the position shown in Fig. 2, uncovering the ink-receptacle *b* when the arms *d'''* are unweighted. An auxiliary counter-weight, shown as a wire, *g*, is also pivoted on the rod *c*, and when the cover is open

is supported on the projection a' of the frame a , so that its weight is not at first applied to the frame to resist the movement produced by a pen-holder placed on the arms d^3 , but when the said arms have about one-half completed their movement, so that the arms d' and cover e are more nearly over the pivot c and produce less resistance to the downward movement of the arms d^3 , (the weight on which is also at this time further from the center,) the added weight g does not materially check the downward movement of the arms d^3 . When the cover is in its closed position, or with its weight on the same side of the pivot c as that of the arms d^3 and pen-holder supported thereon, the auxiliary weight g is added to the counter-weight d^6 , and is sufficient to balance the weight of the cover on the opposite side of the pivot or axis of movement, and thus insures the backward movement for the opening of the cover as soon as the weight of the pen-holder is removed from the arms d^3 .

By the use of the auxiliary counter-weight arranged as shown, the cover will be operated by a very light pen-holder.

The ends of the frame of the inkstand are provided with flanges a^8 , projecting above the top a' of the main frame and above the cover and its actuating-arms d , and thus prevent a book or other object which may happen to rest against the inkstand from interfering with the proper operation of the cover. These flanges also serve to guide the pen-holder toward the pen-receiving recesses d^4 of the cover-actuating frame or pen-rack. The cover e is hinged on the rod d^2 , so that it may be turned back to uncover the ink-receptacle independently of its automatic sliding movement, if desired.

I claim—

1. An inkstand comprising an ink-reservoir having a curved top, combined with a cover-actuating frame pivoted substantially concentric with the said curved top, and provided

with recesses or seats for a pen-holder, and a cover connected with said frame, curved to correspond with the top of the ink-receptacle and actuated by the pivotal movement of said frame, the said cover having a sliding movement with relation to the top of the ink-reservoir, substantially as described.

2. The combination of the stand or frame and ink-reservoir therein with a movable cover to the said reservoir, a pivoted actuating-frame for the said cover, provided with a counter-weight and with recesses or seats for the pen-holder, and an auxiliary counter-weight and support therefor, upon which it is sustained when the cover is opened, the auxiliary weight being applied to the frame when the cover is closed, substantially as described.

3. The combination of the main frame or stand and ink-reservoir having a curved top with a frame pivoted substantially concentric with the said curved top and provided with recesses or seats for a pen-holder, and a curved cover pivotally connected with the said frame and actuated thereby with a sliding movement relative to the top of the ink-reservoir, said cover being free to turn on its pivot on the actuating-frame to uncover the ink-reservoir independently of its sliding movement, substantially as described.

4. The main frame or stand and ink-reservoir therein having a curved top, combined with a correspondingly-curved cover and pivoted actuated frame therefor, provided with recesses or seats for a pen-holder, the main frame or stand being provided with upwardly-extending flanges at its ends, substantially as 80 and for the purpose described.

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

HARRY A. BURGESS.

Witnesses:

JOS. P. LIVERMORE,
H. P. BATES.