

W. W. CAMPBELL.
INKSTAND.

No. 435,277.

Patented Aug. 26, 1890.

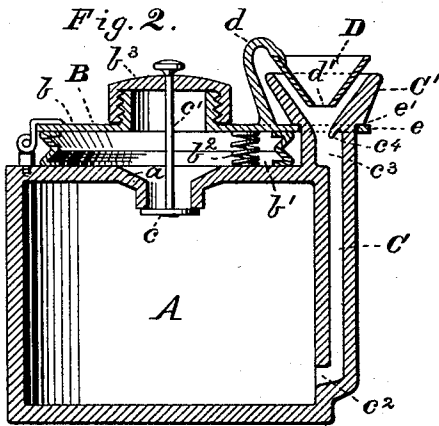
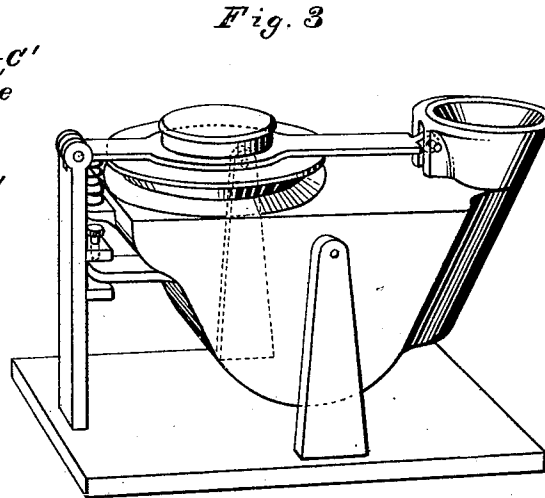
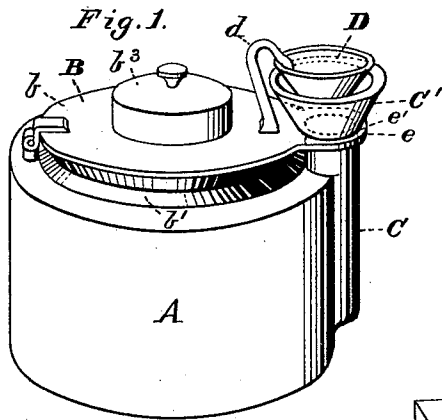
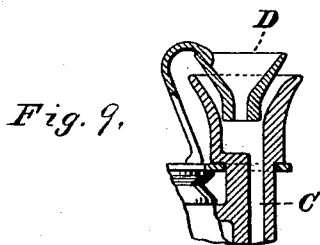
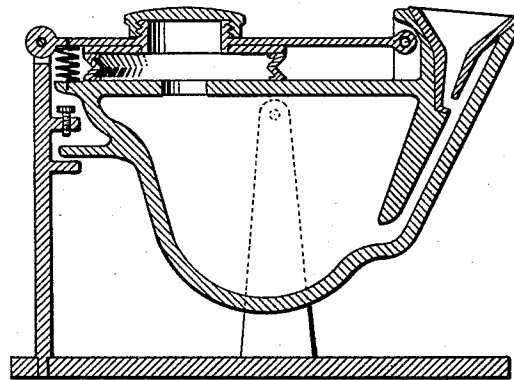


Fig. 4.



WITNESSES

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(No Model.)

2 Sheets—Sheet 2.

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Fig. 5.

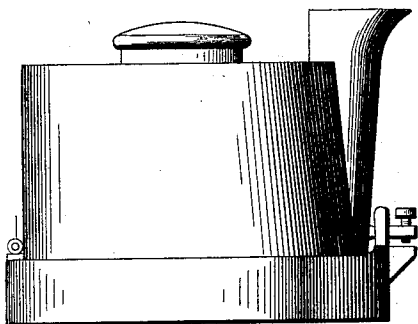


Fig. 7.

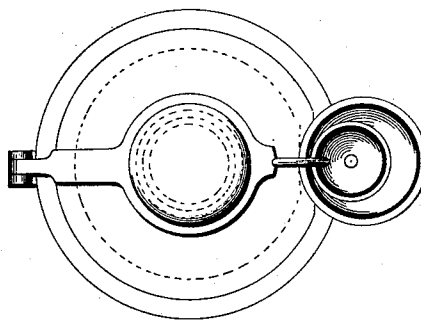


Fig. 6.

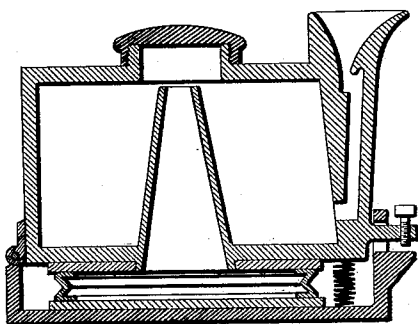
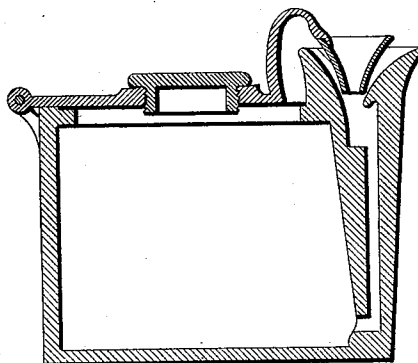


Fig. 8.



WITNESSES

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INKSTAND.

SPECIFICATION forming part of Letters Patent No. 435,277, dated August 26, 1890.

Application filed February 27, 1890. Serial No. 341,933. (No model.)

To all whom it may concern:

Be it known that I, WOODLEY WILLIAMSON CAMPBELL, a citizen of the United States, and a resident of Busti, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Inkstands; and I do 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figures 1 and 3 of the drawings are representations of the invention and are perspective views, and Figs. 2 and 4 are vertical central sections of same. Figs. 5 and 8 are modifications, the latter being a vertical section. Fig. 6 is a vertical section of Fig. 5, and Fig. 7 is a top plan view of Fig. 8.

This invention relates to certain improvements in inkstands; and it consists of the novel construction and combination of parts, as will appear from the following description and accompanying drawings.

In the drawings, A is the well for holding the ink, which has in its top a filling-opening a , the surface around which is inclined downward and inward to cause any ink lodging thereon when filling the inkstand to readily flow into the well.

B is a bellows, which is arranged upon the top of the ink-well A, and consists of a top plate or disk b , hinged or pivoted at its rear edge to a stud on said top, and of a flexible envelope b' , secured to the latter and said plate or disk and held expanded by a spring b^2 . The bellows B has an opening in its top plate or disk, through which the ink is poured in supplying the ink-well, and which is fitted with a suitable cover b^3 .

The filling-opening a in the top of the ink-well A is provided with a valve c , closing it from the inside, and having its stem c' connected to the cover b^3 , and consequently permitting its removal with the removal of said cover, as desired in filling the inkstand. The purpose of the valve c is to prevent the ink, in the event of overturning the inkstand, entering the bellows.

In the side of the ink-well or body A is a

passage C, it being formed in an offset portion of said body or well. This passage communicates by a lateral arm c^2 with the chamber of the ink-well A a short distance above its bottom to prevent taking up sediment. This passage is also enlarged, as at c^3 , at its upper end, which terminates into a funnel-shaped mouth C' . The enlargement c^3 , however, does not stand in the plane of said passage, while the bottom edge of one side of said funnel or mouth is provided with an offset c^4 , standing in the plane of said passage. The purpose of this arrangement is to prevent the ink-well A, when subjected to the sudden air pressure or blast of the bellows, from being spurted out through the funnel or mouth C' of the passage C.

D is a supplemental funnel or mouth which is connected by a bracket or standard d to the top plate or disk b of the bellows B, and is arranged in the plane of the funnel or mouth C' of the passage C and stands normally slightly away from the latter. The bottom or tapering end of the funnel or mouth D is provided with an opening d' , which is of sufficient size to permit the pen placed therein to be supplied with ink, and yet prevent the passage of the lower end of the pen-stock therethrough.

In operation, the pen being pressed into the funnel or mouth D, and through contact of the edges of the pen or stock therewith, said funnel is moved downward and the bellows compressed, forcing a quantity of ink through the passage C into the bottom of said funnel or mouth. The pen is thus supplied with ink, and instantly the former is removed the funnel or mouth D will rise and the bellows expand, causing the ink to recede, which by the force of cohesive attraction will remove any surplus ink from the pen, said surplus ink thereby being prevented from liability of dropping upon the desk or papers. The upward movement of the top plate or disk b of the bellows B is limited by means of an extension e of said plate or disk, adapted to receive the upper end of a tubular extension of the passage C and to engage a shoulder e' on said tubular extension; or the extension e , instead of embracing the tubular extension of the passage C, may be simply a stud or projection engaging a slot or groove in said extension.

In Figs. 3 and 4 the ink-well is shown in a suspended pivoted position and movable, while the top plate or disk of the bellows is held relatively fixed. In Figs. 5 and 6 the same principle prevails, the ink-well or body, however, being arranged above the bellows, and an air-tube extending upwardly within and centrally of said well and communicating with the chamber of said bellows and that of the said well.

In Figs. 7 and 8 the bellows is constructed in the form of a flexible top of the ink-well, having connection with the supplemental funnel or mouth.

In Fig. 9 is disclosed a modification of the enlargement of the passage C, in this instance the wall of the lower end of the funnel or mouth C' being thickened and one side thereof taking the place of the offset c'.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The inkstand having a bellows attachment and a mouth at one side and a passage connecting with the ink-well and said mouth, said bellows being arranged externally of the inkstand and actuated by pressure from the pen or pen-holder when the latter is dipped into said mouth to supply the pen with ink, substantially as set forth.

2. The inkstand having a bellows attach-

ment, a supplemental mouth-connection to the bellows, and the passage connecting the ink-well chamber and said mouth or funnel, substantially as set forth.

3. The inkstand having a bellows attachment and a valve connected to the cover of the opening in the bellows and normally closing from the inside the filling-opening of the ink-well, substantially as set forth.

4. The inkstand having the bellows attachment provided with a spring-pressed top plate or disk engaging a tubular extension of the passage between the primary mouth or funnel and the ink-well chamber, and the supplemental funnel-mouth connected to said top plate or disk of the bellows attachment, substantially as specified.

5. The inkstand having the bellows attachment, the primary funnel or mouth, and the spring-upheld funnel, and the tube connecting the ink-well chamber with said funnel, said tube having its passage offset to prevent direct communication between itself and said funnel, substantially as set forth.

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

WOODLEY WILLIAMSON CAMPBELL.

Witnesses:

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