(No Model.)

T. SWEESY.

INKSTAND.

No. 418,544. Patented Dec. 31, 1889.

Fig. 1.

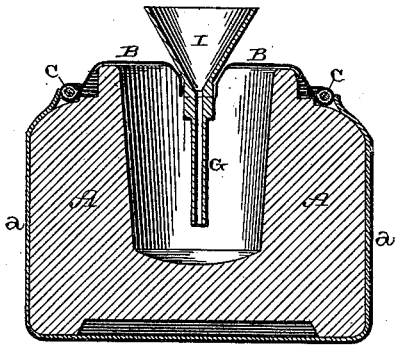


Fig. 2.

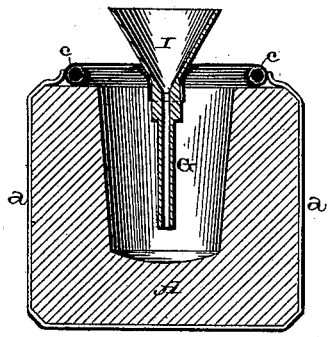


Fig. 3.

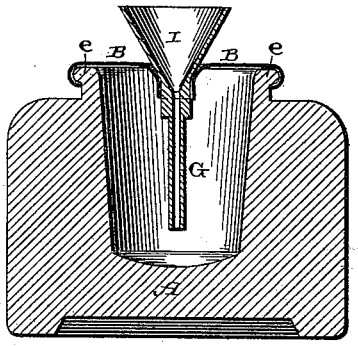
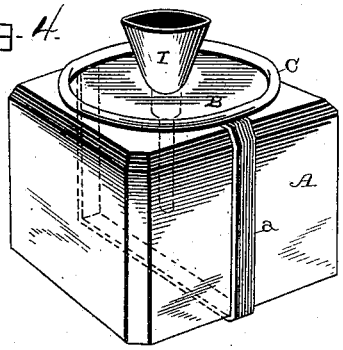


Fig. 4.



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UNITED STATES PATENT OFFICE.

THADDEUS SWEESY, OF BRADFORD, PENNSYLVANIA.

INKSTAND.

SPECIFICATION forming part of Letters Patent No. 418,544, dated December 31, 1889.

Application filed September 3, 1889. Serial No. 322,891. (No model.)

To all whom it may concern:

Be it known that I, THADDEUS SWEESY, of Bradford, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Inkstands; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in attachments for inkstands; and it consists in the combination of an elastic air-tight cover or diaphragm, a ring or loop to which the edges of the cover are secured, a band or string which is attached to opposite sides of the ring for the purpose of holding the cover tightly in position upon the top of the inkstand, and a vertically-moving tube having a cone or funnel formed upon its upper end, as will be more fully described hereinafter.

The object of my invention is to provide an attachment which is intended especially for wide-mouth inkstands, and which, when applied to the inkstand, closes its top, so as to prevent evaporation of the ink, and dust or dirt from getting into it, and which causes the ink to be delivered to the pen in just the quantity desired.

Figure 1 is a vertical section of an inkstand embodying my invention. Figs. 2 and 3 are modifications of the same. Fig. 4 is a perspective of an inkstand with my invention attached thereto.

A represents an inkstand, made of glass or any other suitable material, and which has its mouth made sufficiently large to allow a free play of the elastic cover B, which is placed over its top. This cover B is preferably made from sheet-rubber; but any other elastic material may be used for the purpose, and which has its edges secured in any suitable manner to the ring C, which rests upon the top of the inkstand. This ring is enough larger than the mouth of the inkstand to leave a suitable space between it and the flange which is usually formed around the mouth, and the ring serves to stretch the cover B so that it will fit tightly enough over the flange around the mouth of the inkstand to form a perfectly-tight joint at this point. Secured to this ring, upon opposite sides, is a rubber band, string, or other fastening device *a*, by means of which my attachment is held in place upon the inkstand, and which allows it to be quickly and readily removed and replaced at any time. As this cover B closes the mouth of the inkstand air-tight, it will readily be seen that no material evaporation can take place, and that no dust or dirt can settle in the ink, as would otherwise be the case. Through the top of this cover is formed a small opening, and through this opening is passed the vertical tube G, which has a funnel or cone I formed upon its upper end, and into which the pen is pressed when ink is needed. The lower end of the tube extends any suitable distance downward near to the bottom of the inkstand; but the tube should be short enough to allow sufficient vertical movement to have the elastic cover to press the air sufficiently in the top of the inkstand to force the ink up into the tube or funnel. The air in the top of the inkstand is compressed when the tube is pressed downward by a pressure of the pen, and which downward movement causes the cover B to act upon the ink through this compressed air, so as to force the ink up through the tube. The compression of the air by the cover is in exact proportion to the pressure of the pen in the funnel, and hence the writer can always regulate the exact amount of ink which is to be fed to the pen.

My invention is intended as a separate and distinct attachment, which can either be sold with an ordinary wide-mouth inkstand or bought separately and applied to the inkstand already in use.

In case my invention is to be applied to an inkstand having no flange around its mouth, the rubber cover may be attached to a rubber ring *c*, such as is used by children in teething, and this rubber ring will then form a tight joint with the top of the inkstand. Should the inkstand have a flange *e* around its mouth or top, then the cover can be simply sprung over this flange and will form a tight joint without the loop, string, or band to secure it to the inkstand, and which may or may not be attached to a ring or frame *c*.

If the cover is to be sprung around a flanged mouth such as shown in Fig. 3, and the ring attached thereto to add strength and durability, the said ring or frame will be made of elastic material.

Having thus described my invention, I claim—

1. In an attachment for inkstands, the combination of a flexible diaphragm provided on its under side with an expansible and contractible flange or ring which clamps the mouth of the inkstand, and an opening and a vertically-moving tube which passes through the said opening into the stand, and provided with a dipping funnel or cup at its upper end, substantially as shown and described.

2. In an attachment for inkstands, the combination of a frame or ring which rests upon the upper portion of the stand, a flexible diaphragm hermetically secured thereto and provided with an opening, a vertically-moving tube extending through the said opening and having a dipping cup or funnel at its upper end, and a string or band secured to the cover and passing around the body of the stand, whereby the attachment is secured thereto, substantially as shown and described.

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

THADDEUS SWEESY.

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