J. L. DIVEN.

PEN CLEANER FOR INK WELLS.

APPLICATION FILED APR. 5, 1913.

1,085,249. Patented Jan. 27, 1914.

Fig. 1

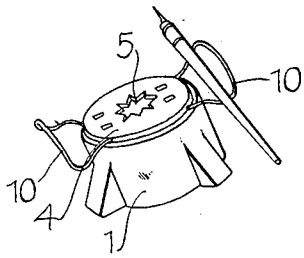


Fig. 2

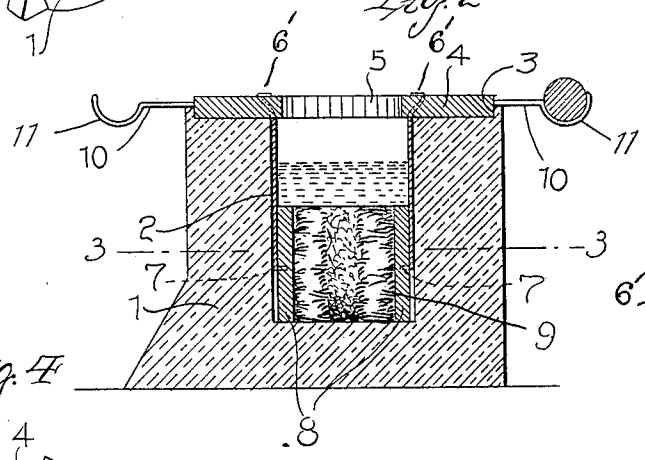


Fig. 5

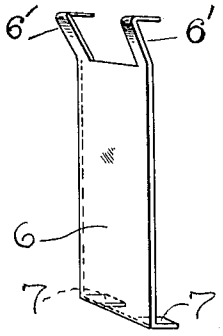


Fig. 4

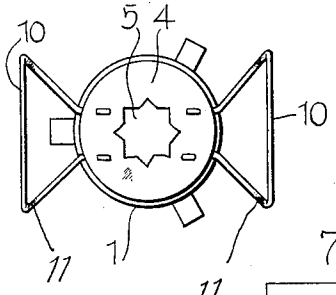
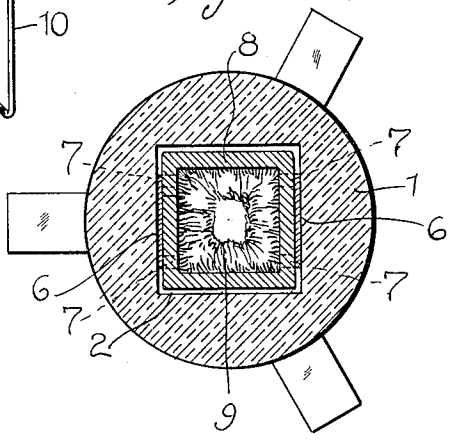


Fig. 3



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PEN-CLEANER FOR INK-WELLS.

1,085,249. Specification of Letters Patent. Patented Jan. 27, 1914.

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To all whom it may concern:

Be it known that I, JOHN L. DIVEN, a citizen of the United States, residing at Lewisville, in the county of Indiana and State of Pennsylvania, have invented certain new and useful Improvements in Pen-Cleaners for Ink-Wells, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in pen cleaners and more particularly to a pen cleaner adapted for use in connection with an ink well and my object is to provide a device of this character which will clean the pen simultaneous with the dipping thereof into the receptacle.

A further object of the invention resides in providing a top plate for the ink receptacle carrying the cleaning members and a still further object resides in providing handle members for the aforesaid plate which afford a pen supporting means when the plate is in position.

A still further object of the invention resides in providing a device which is simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claims.

In the accompanying drawing forming a part of this application, Figure 1 is a view in perspective of a device constructed in accordance with my invention in applied position; Fig. 2 is an enlarged vertical section taken through Fig. 1; Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2; Fig. 4 is a top plan view of my device as shown in Fig. 1; and Fig. 5 is a view in perspective of a certain detail of my invention as herein disclosed.

In describing my invention, I shall refer to the drawing in which similar reference characters designate corresponding parts throughout the several views and in which 1 indicates a base member provided with a central socket or well 2 adapted to receive ink or other writing fluid, said socket being so arranged in the base as to afford walls thereon of considerable thickness and the upper face of this base is slightly cut-away to provide a seat or the like 3 therein. Mounted in the seat 3, is a plate 4 which is provided with a central opening 5 to register with the upper opening in the socket 2 in the member 1 and secured to the plate 4, on opposite sides of the opening 5 therein, are the depending plates or walls 6 which are adapted to fit snugly against the walls of the socket 2, when said plate is applied in its seat. It might here be stated also that the plates 6 are provided at their upper ends with angularly bent tongues or prongs 6′ which are introduced through inclined openings in the plate 4 and bent flatly against the upper face of the latter to be securely held to said plate. When properly applied thereto, these depending plates or walls 6 have substantially a spring action with respect to said plate 4, thus permitting said depending plates or walls to fit snugly against the walls of the socket 2 in the base. The lower ends of the plate-like members are provided with prongs or the like 7 which are bent inwardly toward one another and are engaged with a band 8 which is preferably formed of leather or other flexible material, although the same may be formed of metal or other rigid material. This band member 8 is designed square in plan to also fit snugly against the walls of the socket 2 in the member 1 and when said plate 4 is properly applied in its seat, 3, the lower edge of said band member 8 is disposed at a point immediately adjacent the bottom of the socket 2. Secured in any suitable manner to the walls of the band 8 to project inwardly therefrom, are rows of bristles 9 which form brushing or cleaning members thereon and these bristles extend inwardly to such points as to provide a reduced opening therebetween.

Secured to the plate 4, at diametrically opposite points thereon, are the substantial U-shaped members 10, the arms of which, adjacent the base portions thereof, are slightly offset, as shown at 11, whereby to form racks or the like for pen-holders. These members 10, however, form handle members for the plate 4 and parts carried thereby, for the removal of the same from the base member 1, when desired.

In practice, the plate or member 4 is applied to the base member 1, so that the former is properly seated in the seat 3 of the latter so that the depending parts on said plate are disposed in the socket 2 of

said member 1. The ink or other writing fluid used is then emptied into the socket of the receptacle or base 1 to a point a short distance above the brushing or cleaning members 9 and the device is then ready for use. The pen is inserted through the opening 5 of the plate 4 into the socket and drawn against the bristles 9 to remove all particles therefrom and as the pen is withdrawn therefrom, ink will be carried therewith for general writing purposes. It will thus be seen that the operation of cleaning the pen of all extraneous matter will be simultaneous with the dipping of said pen into the receptacle for obtaining the writing fluid thereon.

From the foregoing it will be seen that I have provided a simple, inexpensive and efficient means for carrying out the objects of the invention and while I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described this invention, what is claimed is:

1. A device of the class described comprising a base having a socket therein, said base being also provided with a seat in the upper face thereof surrounding the socket, a plate adapted to be mounted in the seat on said base and having an opening therein for registration with the socket, depending plates carried on the first mentioned plate on opposite sides of the opening therein, to be received in the socket of the base to fit snugly against the walls of the latter, and a cleansing member carried on the lower ends of said depending plates for reception in the lower portion of said socket.

2. A device of the class described comprising a base having a socket therein and also provided with a seat in the upper face of the same surrounding said socket, a plate adapted to be mounted in the seat of said base and having a central opening therein for registration with said socket, said plate being also provided with additional securing openings therein on opposite sides of the aforesaid opening, a pair of additional plates having angular tongues formed on the upper ends thereof for engagement with the securing openings in the first mentioned plate, whereby to dispose said additional plates in snug engagement with the walls of said socket, when said first mentioned plate is applied to the seat, and a cleansing member secured to the lower ends of said additional plates to be received in the lower portion of said socket.

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

JOHN L. DIVEN.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."