(No Model.)

C. W. ROHRKASTE.

FOUNTAIN INKSTAND.

No. 450,497. Patented Apr. 14, 1891.

Fig 1

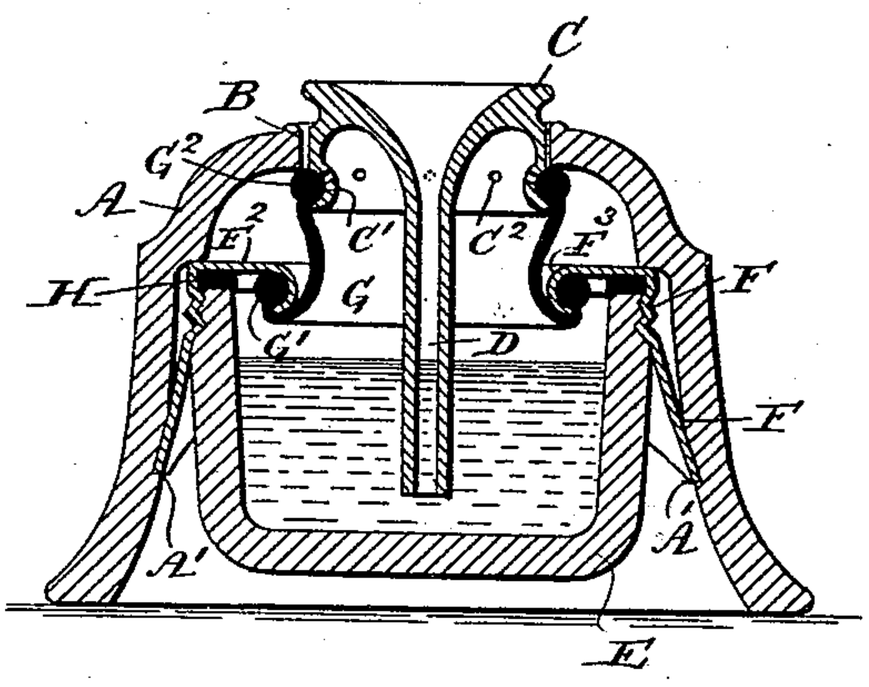


Fig 2

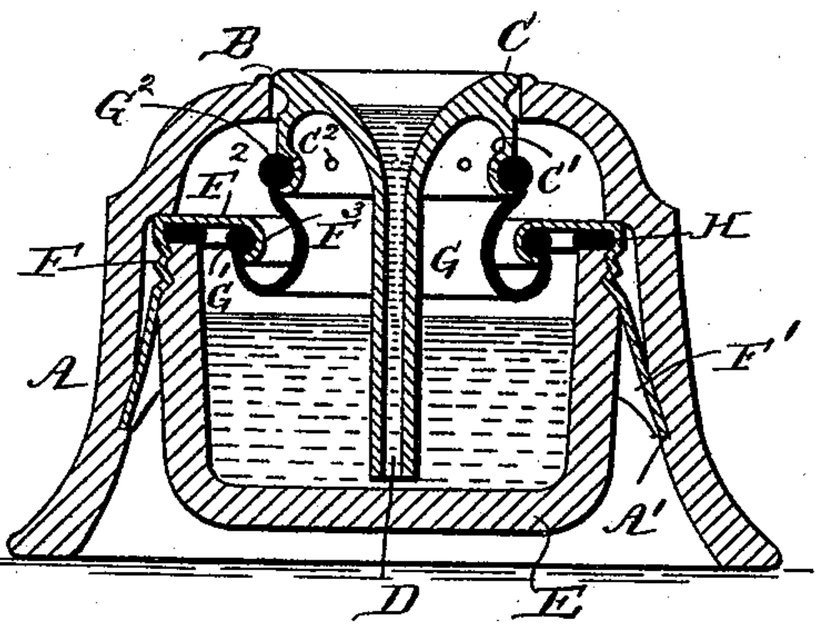


Fig 3

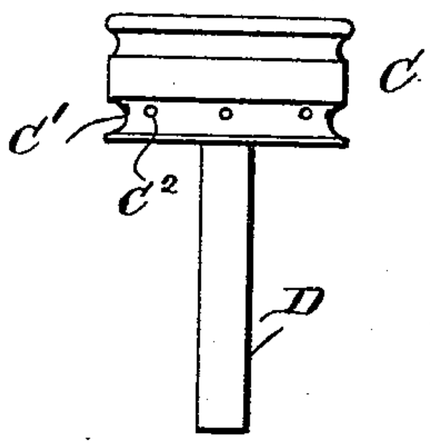


Fig 6

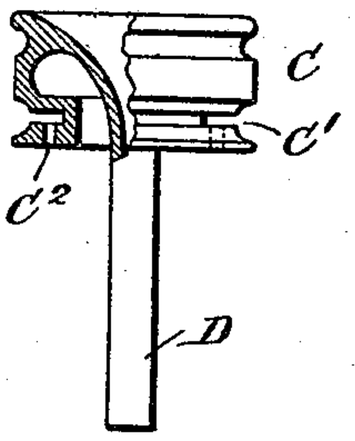


Fig 4

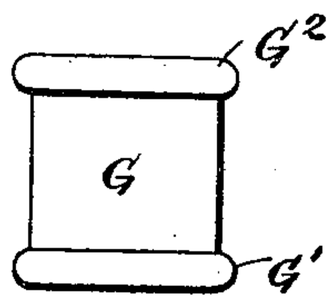
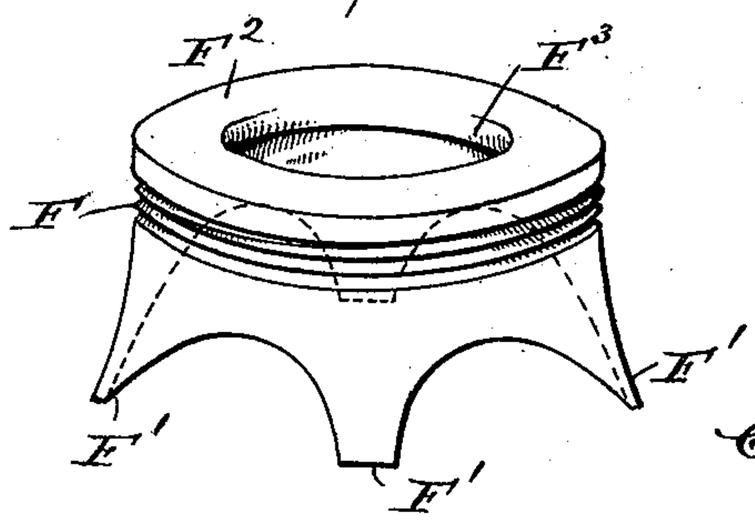


Fig 5



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CHARLES W. ROHRKASTE, OF BEAVER FALLS, PENNSYLVANIA.

FOUNTAIN-INKSTAND.

SPECIFICATION forming part of Letters Patent No. 450,497, dated April 14, 1891.

Application filed November 4, 1890. Serial No. 370,336. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. ROHRKASTE, of Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented a new and Improved Fountain-Inkstand, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved fountain-inkstand which is simple and durable in construction and prevents rapid evaporation of the ink when the stand is not in use.

The invention consists of certain parts and details and combinations of the same, as will be hereinafter more fully described, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of the improvement. Fig. 2 is a like view of the same in a different position. Fig. 3 is a side elevation of the funnel. Fig. 4 is a like view of the flexible connection. Fig. 5 is a perspective view of the support for the well; and Fig. 6 is a side elevation, partly in section, of a modified form of funnel.

The improved inkstand is provided with a suitably-constructed casing A, having in its top an opening B, in which is fitted to slide vertically the funnel C, having a flaring mouth opening into a pipe D, extending downwardly into the ink in the well E. On the threaded upper end of the latter screws a support F, provided with downwardly-extending flanges F′, adapted to engage shoulders A′, formed in the inside of the casing A. From the top of the support F extends inwardly an annular flange F^2, terminating in a downwardly and outwardly curved annular flange F^3, engaged by a bead G′, formed exteriorly on the lower end of the flexible connection G, provided at its upper end with a similar bead G^2, engaging a correspondingly-shaped groove C′, formed on the funnel C. The flexible connection G is preferably made of rubber in the shape of a cylinder, as is plainly shown in Fig. 4. A series of apertures C^2 are formed in the flange of the funnel and open into annular groove C′, for the purpose hereinafter more fully described. A gasket or washer H is placed on top of the well E to form an air-tight connection between the latter and the support F. When the several parts are in place, as is illustrated in Fig. 1, the wall of the flexible connection G is curved in the shape of an **S**, the upper bead G^2 abutting against the inside of the casing A next to the opening B.

The pipe D extends into the neck in the well E, and when the operator desires to use the stand he presses the funnel C downward with the pen in the position shown in Fig. 2, so that the air within the well E presses on the ink and the latter passes up the pipe D into the flaring mouth of the funnel C and comes in contact with the pen.

When the stand is not to be used, the funnel C is held in an uppermost position, as is plainly shown in Fig. 1, the ink in the pipe D then descending to the level of the ink in the well E. When the operator desires to admit more air into the well E when the ink is lowering in the well, he draws the funnel C farther outward, so as to disconnect the upper part of the bead G^2 from the groove C′ in order to free the opening C^2, whereby air can enter through the latter into the interior of the closed well. As soon as the operator releases his hold on the funnel C the latter moves back into the position shown in Fig. 1.

It is understood that the air is confined within the well E, and when the operator presses on the funnel the pressure of air is exerted on the ink, and the latter consequently rises in the pipe D. The stand can be easily taken apart by the operator disengaging the prongs or arms F′ from the shoulders A′ of the casing A. By then unscrewing the support F from the well E the latter becomes detached from the other parts and can be cleaned or filled as desired. The stand may also be filled with the several parts assembled by drawing the funnel C upward to free the openings C^2 and then pouring the ink through the funnel C into the well. The air can then escape through the openings C^2 and the well can be filled.

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

1. A fountain-inkstand comprising a casing having an opening in its top, an ink-well

within the casing, a funnel fitted to slide in the opening in the casing and projecting into the ink-well, and a flexible cylinder secured to the well and to the funnel, substantially as described.

2. A fountain-inkstand comprising a casing having an opening in its top, an ink-well supported by and within the casing and provided with an inwardly-projecting flange, a funnel sliding in the opening of the casing and projecting into the ink-well, and a flexible cylinder secured to the funnel and flange of the ink-well, substantially as described.

3. In a fountain-inkstand, the combination of an ink-well provided with an inwardly-projecting and curved flange at its top, a funnel projecting into the well and having an annular groove, and a flexible cylinder having a bead at its top and bottom, substantially as herein shown and described.

4. In a fountain-inkstand, the combination, with a casing, of a support held adjustably in the said casing, a well supported by the said support, a flexible connection connected at its lower end with the said support, and a funnel supported on the upper end of the said flexible connection and opening into the well, substantially as shown and described.

5. In a fountain-inkstand, the combination with a casing provided with shoulders on its inside, of an ink-well and a support secured to the top of the well and provided with downwardly-projecting flanges engaging the shoulders of the casing, substantially as described.

6. In a fountain-inkstand, a support adapted to be fastened on the well and provided with prongs or arms extending outwardly and with an inwardly-extending flange, substantially as shown and described.

7. In a fountain-inkstand, the combination, with a casing, of a support provided with prongs adapted to engage shoulders in the said casing, an inwardly-extending flange formed on the said support, a flexible connection connected at its lower end with the said inwardly-extending flange, and a funnel connected with a bead on the upper end of the said flexible connection, the said funnel being provided with apertures closed by the bead, which latter is adapted to abut against the under side of the casing, substantially as shown and described.

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