

No. 862,863.

PATENTED AUG. 6, 1907.

N. W. BROWN.
AUTOMATIC INKSTAND.
APPLICATION FILED DEC. 13, 1905.

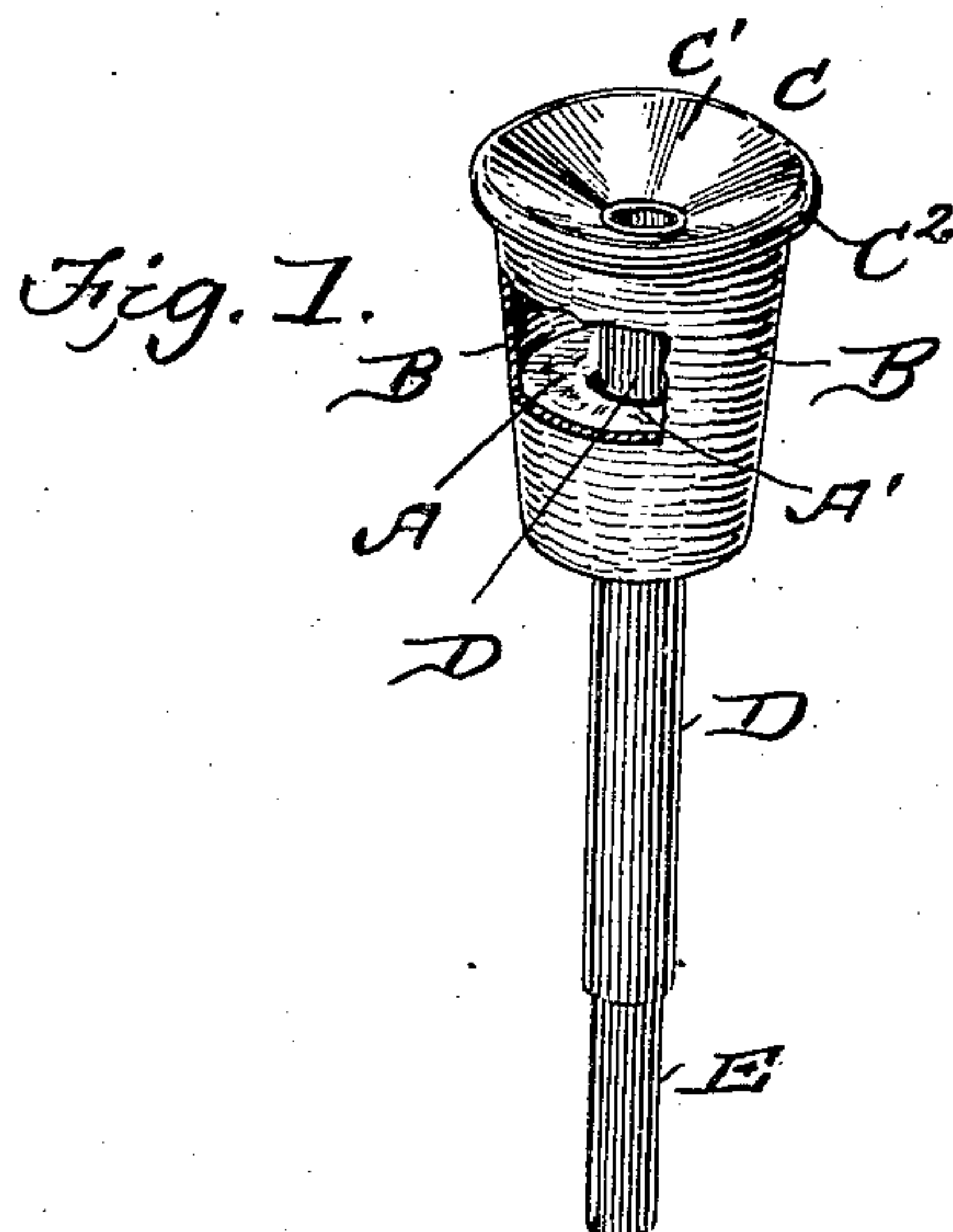


Fig. 2.

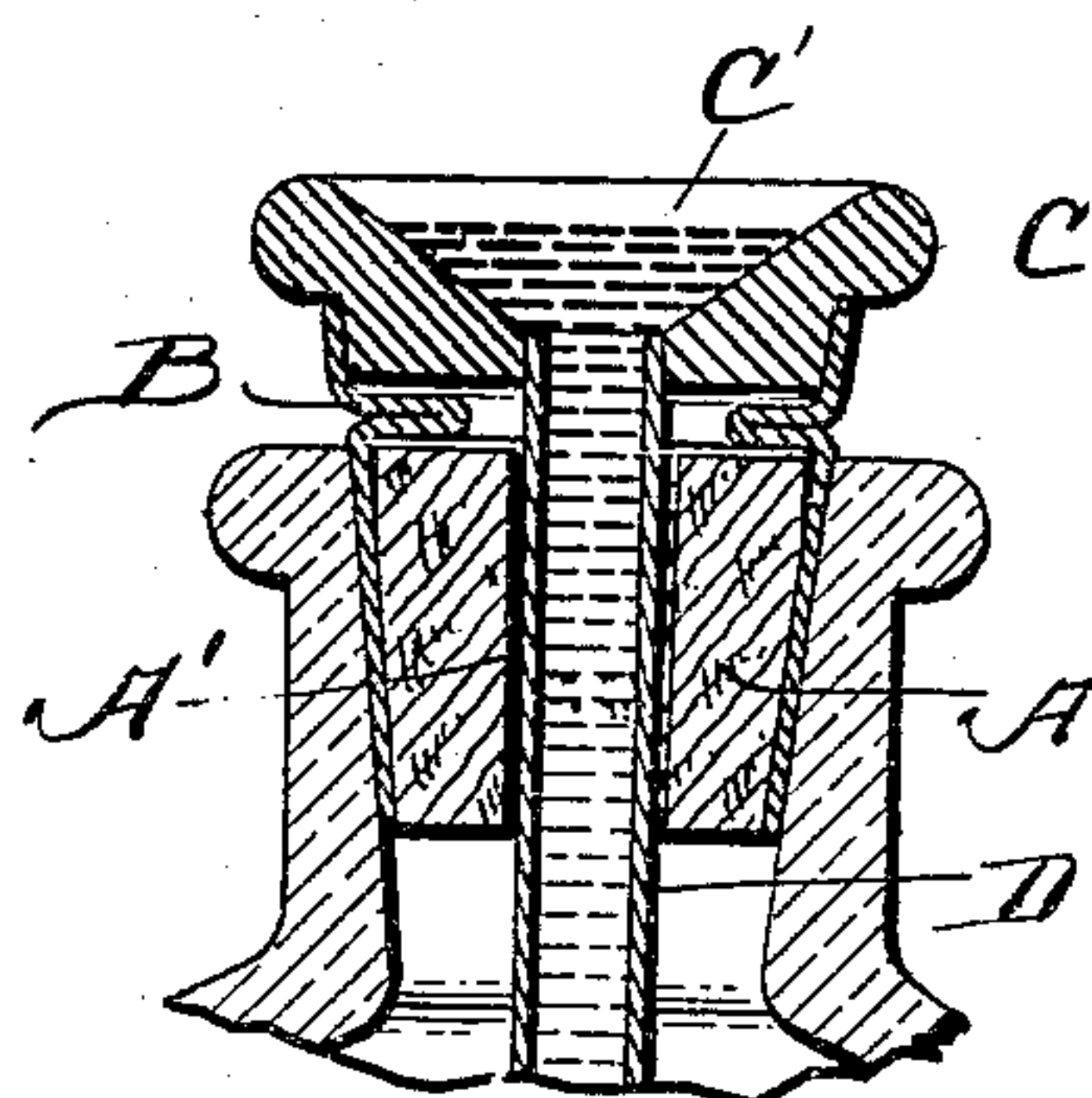
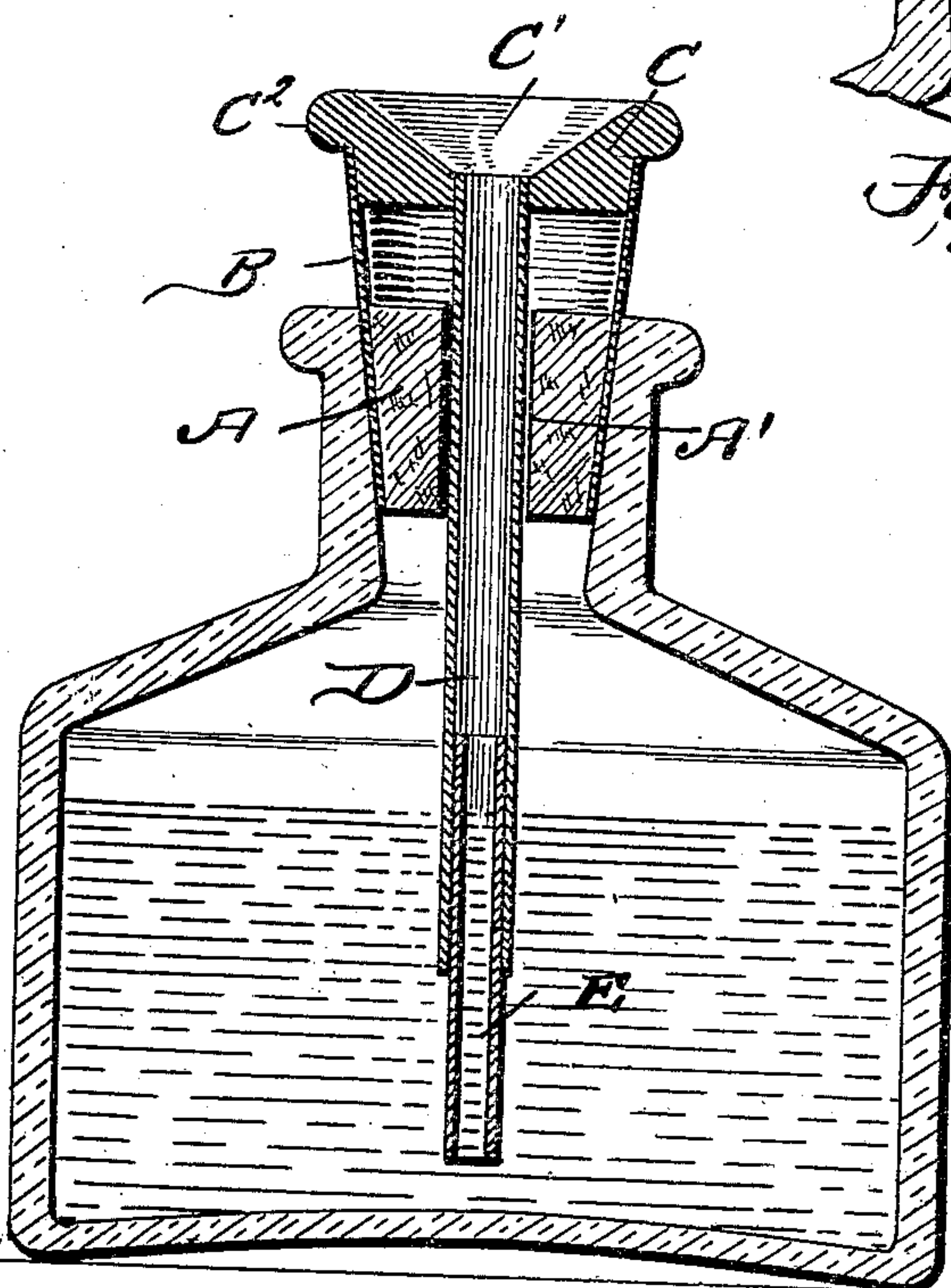


Fig. 3.



WITNESSES

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AUTOMATIC INKSTAND.

No. 862,863.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed December 13, 1905. Serial No. 291,586.

To all whom it may concern:

Be it known that I, NICHOLAS W. BROWN, a citizen of the United States, residing at Akron, in the county of Summit, in the State of Ohio, have invented a new and useful Improvement in an Automatic Inkstand, of

5 which the following is a specification.
This invention relates to an automatic ink stand designed to automatically feed the ink from a bottle into a vertically movable ink well carried by the bottle stopper, thereby avoiding the necessity of dipping the pen into the bottle, and preventing the inking of the pen holder and resulting soiling of the fingers, as is frequently the case where a pen is plunged into an ink stand filled with ink.

15 The invention consists of the novel features of construction hereinafter described, pointed out in the claims and shown in the accompanying drawings, in which;

Figure 1 is a perspective view of my device removed from the ink bottle. Fig. 2 is a vertical section through the ink bottle and through my attachment applied thereto. Fig. 3 is a detail sectional view showing the flexible portion of the attachment collapsed.

In these drawings A represents a stopper formed of 25 cork and having a central opening therethrough as shown at A'. The upper portion of this cork is inserted into and cemented to a soft rubber tube B. A hard rubber cap C has a funnel-shaped depression C' formed in its upper face and is centrally perforated. This cap 30 is also preferably flanged as shown at C², the edges of said flange being rounded in cross section. This cap is partly inserted into the upper portion of the tube B and is cemented or otherwise secured thereto. A tube D of hard rubber or any other suitable material has its 35 upper end secured in the perforation of the cap C and communicates with the funnel-shaped depression C', which depression forms the ink well in which the pen

is dipped. The tube D extends downwardly through the tube B and also through the opening A' of the cork A, and the tube D is of less diameter than the opening 40 A' so that an air space is left between the cork A and the tube D.

To adapt the attachment to bottles of various depths an extension tube E is slidably held within the tube D, whereby the combined length of the tubes D and E can 45 be adjusted by sliding the tube E upwardly or downwardly. In use the cork A is inserted in the neck of a bottle F containing ink, the tube E being first properly adjusted.

It will be obvious that an air space will be inclosed 50 within the tube B between the cork A and the cap C and that this space will have communication with the interior of the bottle F through the opening A' in the cork A. When the pen is inserted into the depression C' and bears upon the sides of the same the cap C will 55 be forced downwardly thus compressing the air within the tube B, and this air being forced through the opening A' around the tube D will act upon the ink within the bottle F and force the same upwardly into the well formed by the depression C', and will drain back when 60 the device is not in use. This will not only serve to protect the pen holder from becoming inked, but will also protect the ink in the bottle from dust and dirt and will also prevent undue evaporations of the ink.

Having thus fully described my invention, what I 65 claim and desire to secure by Letters-Patent, is:—

A device of the kind described comprising a cap of rigid material having a central opening and a depression in its top, a perforated stopper, a tube carried by the cap and passing loosely through the stopper, and a flexible water- 70 proof sleeve connected to the cap and fitting over the stopper, as and for the purpose set forth.

NICHOLAS W. BROWN.

Witnesses:

Mrs. N. W. BROWN,
ELSIE WARNER.