

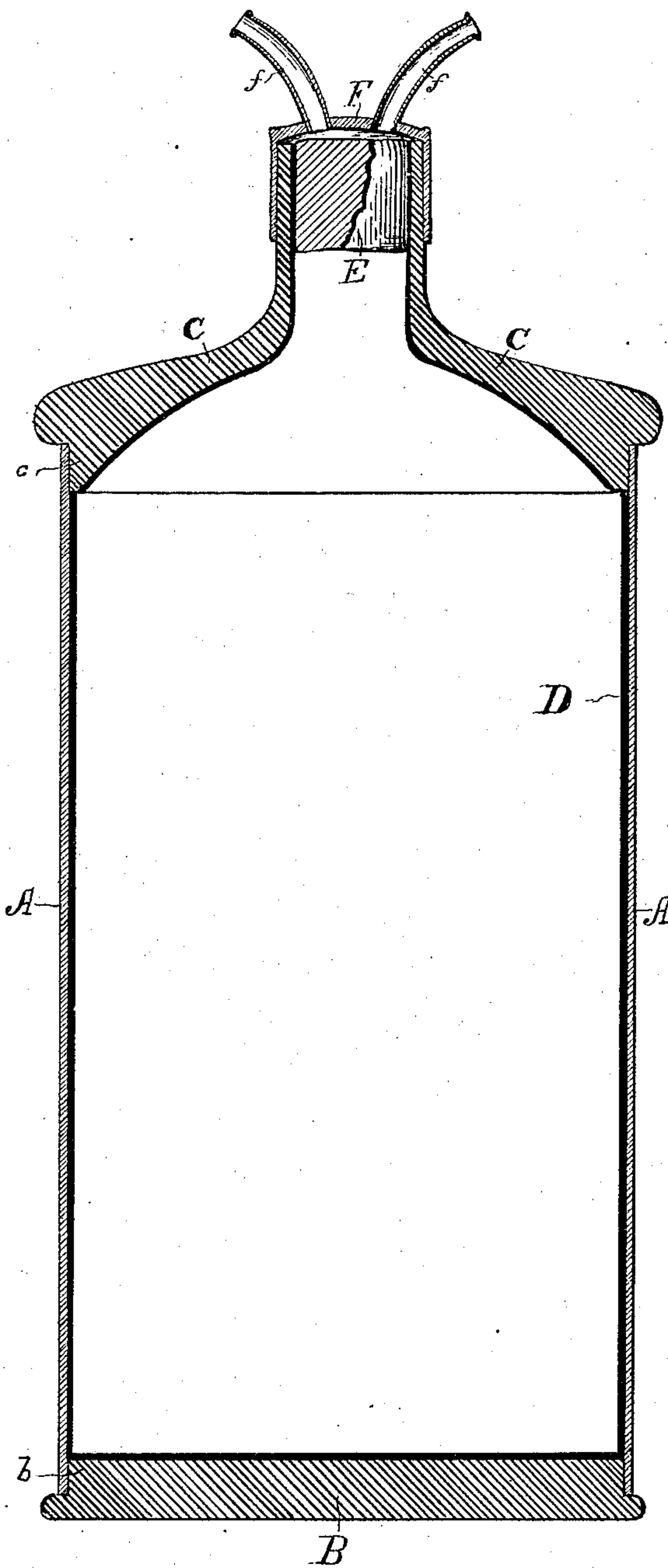
(No Model.)

W. A. AUBLE.

CAN FOR INK.

No. 286,893.

Patented Oct. 16, 1883.



Witnesses.

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Inventor:

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# UNITED STATES PATENT OFFICE.

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OF SAME PLACE.

## CAN FOR INK.

SPECIFICATION forming part of Letters Patent No. 286,893, dated October 16, 1883.

Application filed April 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM A. AUBLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Bottles for Writing-Ink, of which the following is a specification.

In supplying writing-ink to the trade it is the common practice to place the same in bottles of earthenware or glass, which materials are not affected by the ingredients of the ink. These bottles, however, are frequently broken in handling and transportation, and when exposed to excessive cold are also subject to breakage by reason of the freezing of their contents. Metal cans of ordinary construction, while not liable to breakage, have been found unsuitable for containing ink, for the reason that the ingredients of the ink corrode the metal and the oxidized metal in a short time seriously impairs the quality of the ink. It has also been found that most inks, whether in bottles or cans, are liable in a short time to become moldy and spoil, and for this reason it is customary to add to the ink in each bottle a few drops of some preservative substance, such as oil of cloves or creosote.

My present invention has for its object to provide a cheap and durable bottle for containing ink which shall possess the advantages of the glass or earthenware bottles, in that it will not be affected by the ink, and of the metal cans, in that it will not be subject to breakage, and which shall possess the further advantage of saving the ink from becoming moldy.

A further object of invention is to provide an improved pouring-cap and stopple for the bottle.

To this end my invention consists in the several improvements hereinafter described, illustrated in the accompanying drawing, and particularly defined in the claims at the end of this specification.

A designates the body of the bottle, which is a sheet-metal tube having fitted thereto the wooden bottom B, provided with the flange b, and the wooden top C, having the neck of the bottle formed integral therewith, and having

the flange c, that bears against the top of the tube. The wooden top and bottom are turned in the usual manner, and are held securely to the metal body by tacks or other suitable means. The entire inner surface of the bottle (body, top, bottom, and neck) is provided with a coating of pitch, D, which serves not only to protect the metal from corrosion, since it is proof against acids or the like contained in the ink, but also serves to render the top and bottom impervious to the ink, which would otherwise get into the pores of the wood and leak or in a short time destroy the same. An advantage possessed by pitch for the purpose to which I apply it is that it clings to the metal with the greatest tenacity, and in a film or coating of such toughness that, although the can may become much indented by severe usage, the coating readily bends with the metal and remains unbroken, so that the metal surface is never exposed. Moreover, this peculiar tough and tenacious quality of the pitch coating is especially advantageous in protecting the neck of the can which receives the stopper, for were a thin and brittle coating employed it would soon become worn or broken off by the repeated operation of opening and closing the can. I have also discovered that the coating of pitch, by reason of the creosote and other preservative matters contained therein, effectually prevents the ink in the can from becoming moldy or spoiling.

It will be understood, of course, that a slight addition to the pitch of other substances may be made, if desired; but the pitch should always be in excess, and I regard it, when used alone, as the most effective coating.

The preferable manner of applying the pitch coating is as follows: The bottom is first attached to the metallic body, which is then filled with liquid pitch. The top is next placed in position upon the body, after which the pitch is emptied out, leaving a sufficient protective coating adhering to the entire inner surface of the bottle. Into the neck of the bottle, when it is to be closed, is inserted the stopple E, which has its surface coated with paraffine or equivalent substance, to prevent the stopple from adhering to the coating of the neck when, as in



very warm weather, this coating becomes somewhat softened by the heat. Over the straight neck of the bottle is fitted the pouring-cap F, having the small tubes f therein for the discharge of the ink. This cap is preferably coated with pitch, and after the withdrawal of the stopple remains upon the bottle until the ink is exhausted.

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

1. An ink-bottle having a metallic body and having an interior coating of pitch, substantially as described.

2. As a new article of manufacture, a bottle consisting of a metallic body, a bottom, and

a wooden top having the neck formed integral therewith, substantially as described.

3. An ink-bottle having its body and neck interiorly coated with pitch, substantially as described.

4. An ink-bottle having its body and neck interiorly coated with pitch, in combination with a stopple coated with paraffine, substantially as described.

5. A bottle having a stopple to fit within the neck, and a cap with discharge-orifices to fit over the neck, substantially as described.

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