

(No Model.)

A. KEMPSON.
INK POT OR HOLDER.

No. 378,595.

Patented Feb. 28, 1888.

Fig. 1.

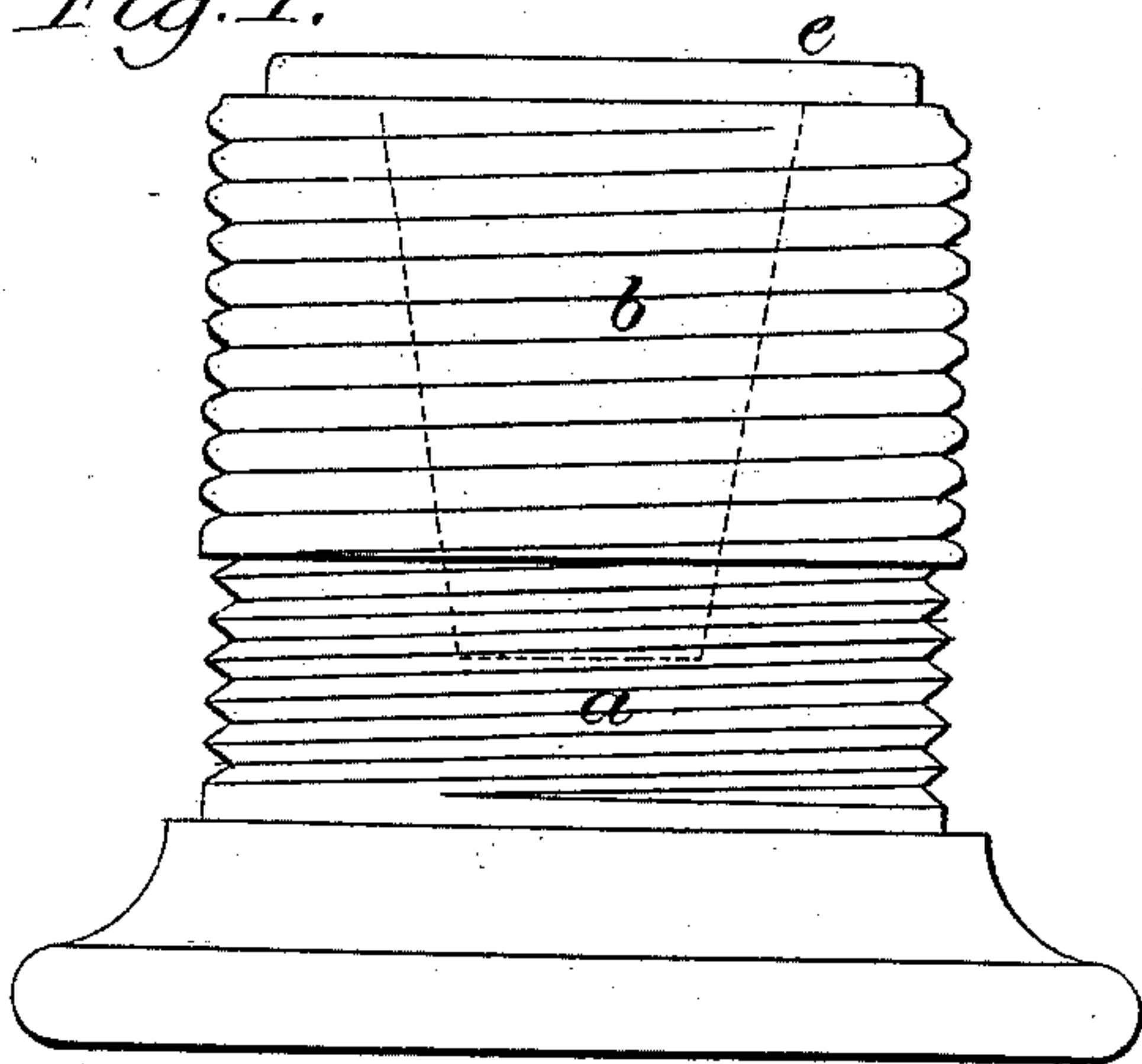


Fig. 2.

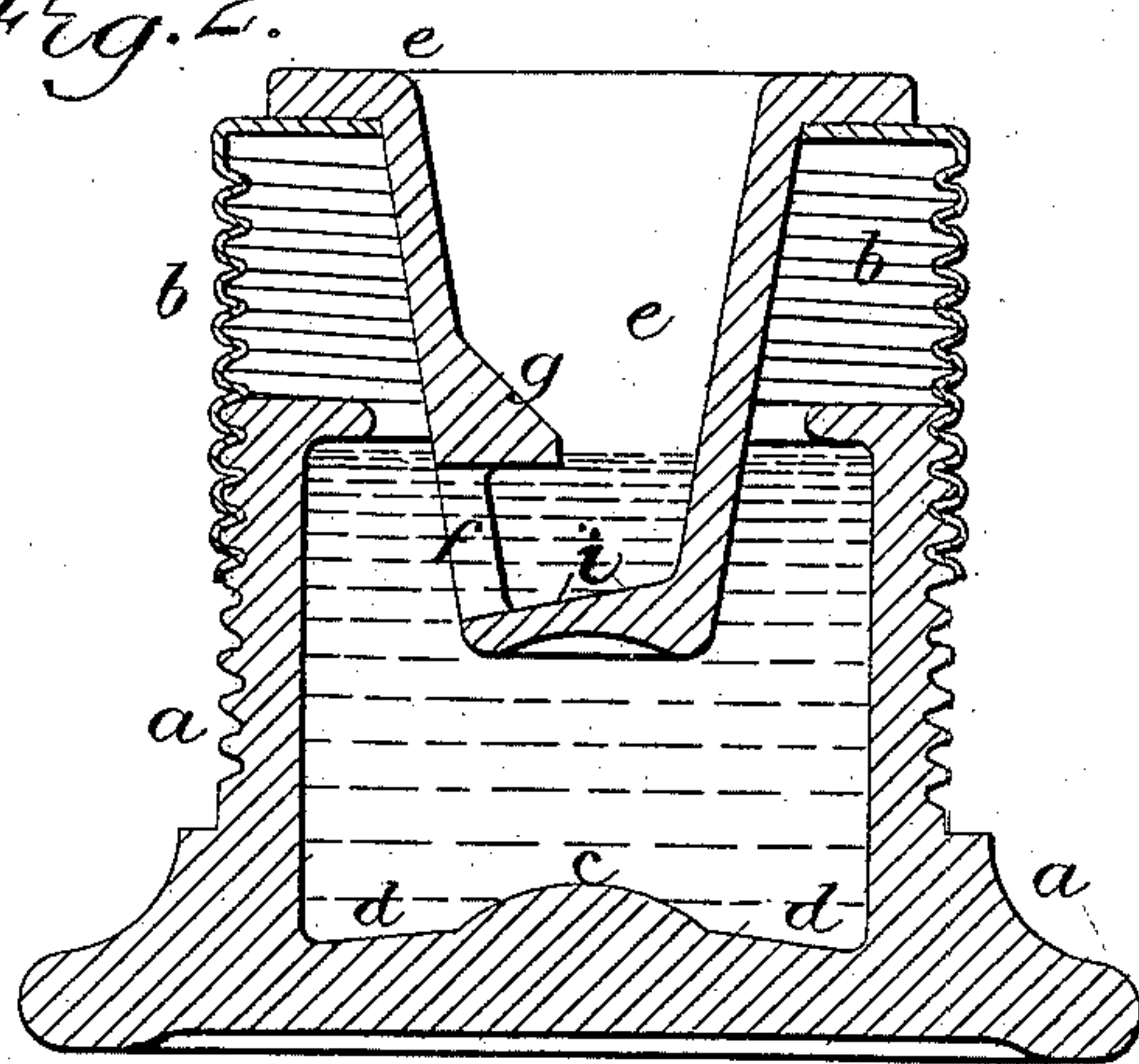


Fig. 5.

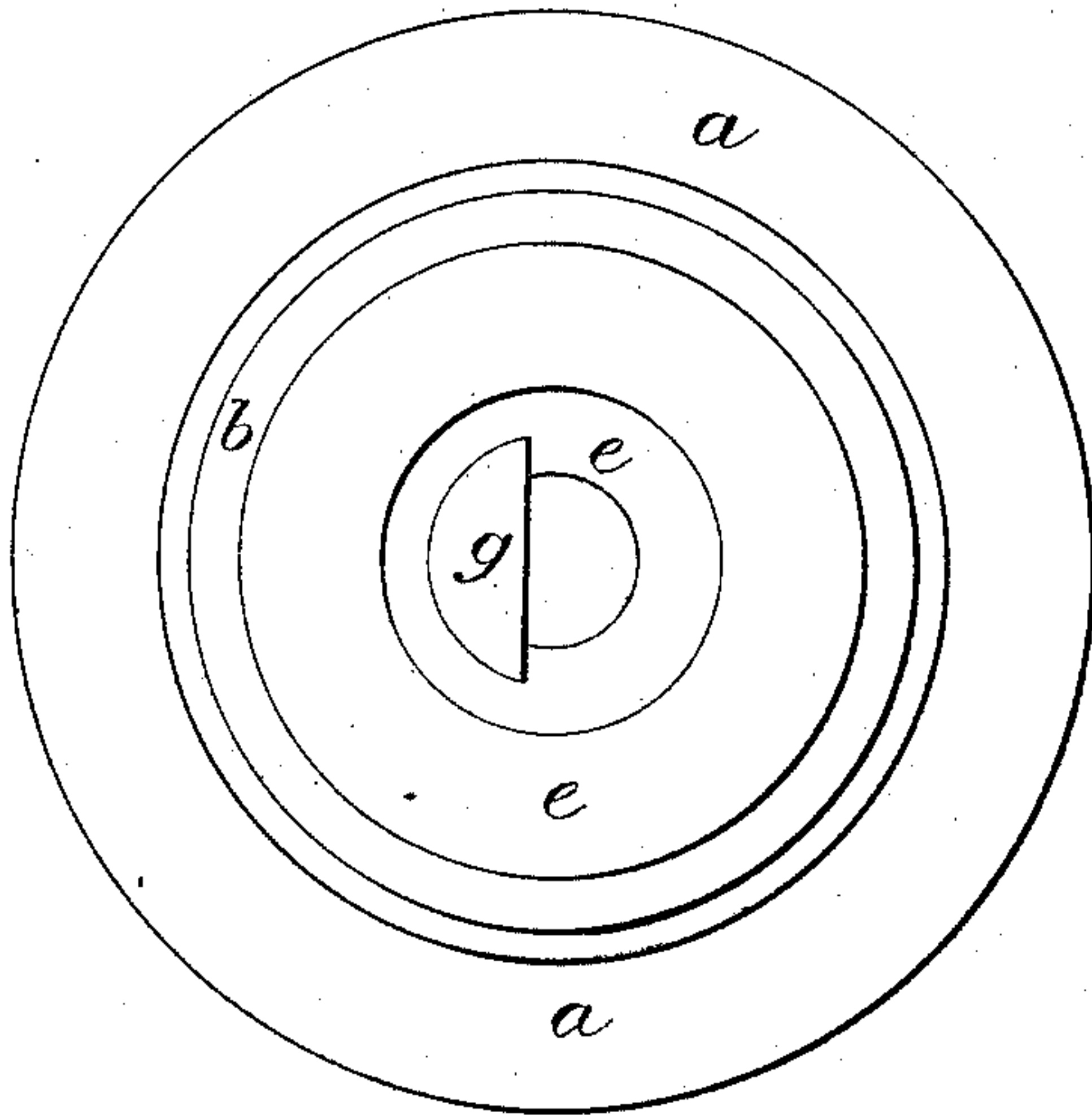


Fig. 3.

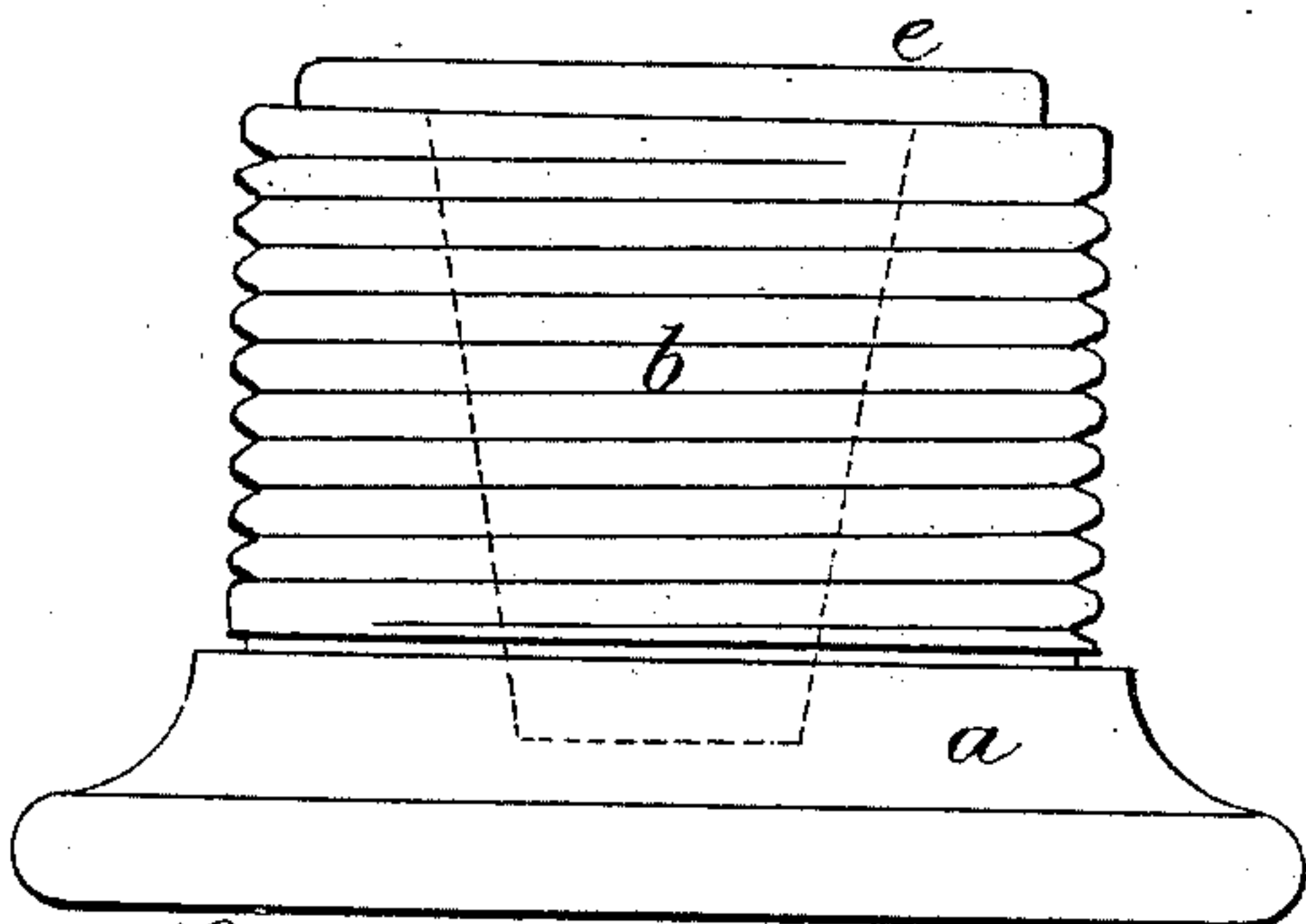
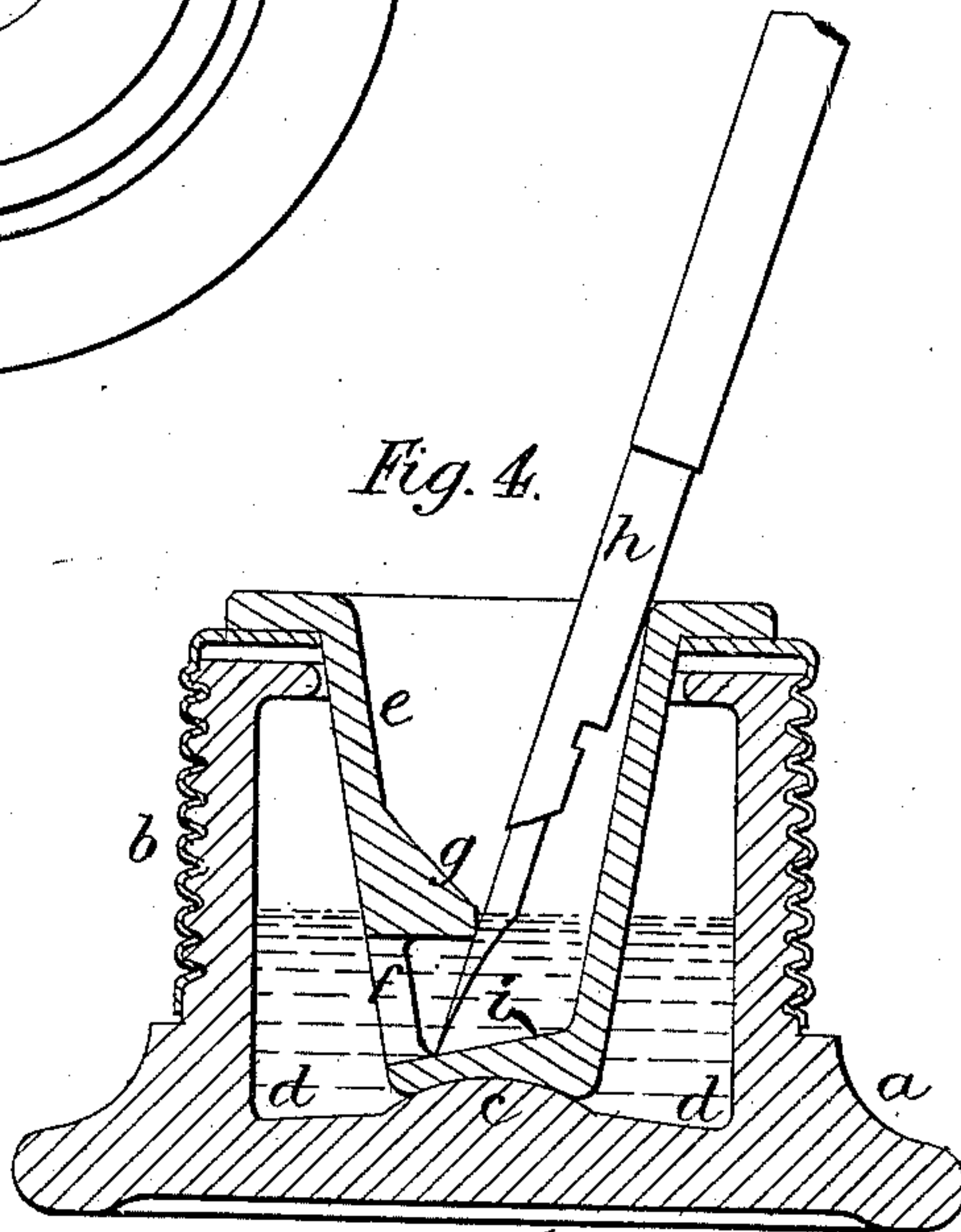


Fig. 4.



Witnesses,

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UNITED STATES PATENT OFFICE.

ALFRED KEMPSON, OF TUNBRIDGE WELLS, COUNTY OF KENT, ENGLAND.

INK POT OR HOLDER.

SPECIFICATION forming part of Letters Patent No. 378,595, dated February 28, 1888.

Application filed April 8, 1885. Serial No. 161,557. (No model.) Patented in England June 3, 1884, No. 8,553; in France March 16, 1885, No. 167,668; and in Germany March 22, 1885, No. 32,737.

To all whom it may concern:

Be it known that I, ALFRED KEMPSON, a subject of the Queen of Great Britain, residing at Tunbridge Wells, in the county of Kent, England, have invented new and useful Improvements in Ink Pots or Holders, (for which I have obtained patents in the following countries, namely: England, No. 8,553, dated June 3, 1884; France, No. 167,668, dated March 16, 1885, and Germany, No. 32,737, dated March 22, 1885,) of which the following is a specification.

This invention relates to constructing ink pots or holders with an adjustable dipping-cup, whereby the ink can be easily and simply maintained at any required level in the dipping-cup, the pen being prevented entirely from coming in contact with any sediment at the bottom.

In carrying out my invention I provide an ink-receiver, preferably cylindrical in shape. Over the receiver I adapt a cap, the height of which may be adjusted by suitable means, such as by a screw arrangement, spring-clips, or otherwise. In the adjustable cap is placed the dipping-cup, the periphery of which near the bottom is perforated with one or more holes or openings.

In order to enable my invention to be fully understood, I will proceed to describe the same by reference to the accompanying drawings, in which—

Figure 1 is an elevation, and Fig. 2 a section, of an ink pot or holder constructed according to my invention, the dipping-cup being shown in its highest position. Figs. 3 and 4 are similar views to Figs. 1 and 2, but showing the dipping-cup in its lowermost position. Fig. 5 is a plan of the ink pot or holder.

Similar letters in all the figures represent similar parts.

a is the ink-receiver, of cylindrical shape in plan and formed with a screw-thread on its periphery, in order to receive the cap *b*, which is formed with a female thread, so as to allow it to be screwed over the ink-receiver *a*. These threads being at the outside of the ink-holder, the ink has no contact with them, and consequently cannot in any way interfere with the proper adjustment of the threaded parts by

clogging them or causing them to stick together.

c is the projection in the center of the bottom of the ink-receiver *a*, and *d* is the groove around the internal base of the receiver.

e is the dipping-cup, which is placed in the cap *b* so as to be easily removable.

f is the hole in the bottom of the periphery of the dipping-cup *e* to allow of the passage of the ink into the dipping-cup from the receiver *a*.

g is a projection in the interior of the dipping-cup above the hole *f* to prevent the pen from passing through the said hole; or two of such holes of smaller size may be employed.

By this construction and arrangement it will be obvious that when the ink-receiver *a* is full or nearly full of ink, as shown in Fig. 2, the cap *b*, with the dipping-cup *e*, will be at the highest position, the ink from the receiver *a* passing through the opening *f* in the dipping-cup *e*, which is so adjusted that the height of the ink therein shall be such as to give just the required quantity to the pen *h* at each dip. As the ink is consumed, the cap *b*, and with it the dipping-cup *e*, is moved downward, so that the height of the ink in the dipping-cup *e* may be by this means maintained at a constant fixed level.

In the sectional view at Fig. 4 the dipping-cup *e* is shown in its lowermost position, by which it will be seen that the central projection, *c*, in the ink-receiver *a* prevents the dipping-cup *e* from reaching the depressed or grooved portion *d* of the bottom of the receiver, in which the sediment of the ink will be deposited. By this means the sediment cannot enter the dipping-cup *e*, and the projection *g* in the dipping-cup will, as shown in Fig. 4, prevent the pen *h* passing through the opening *f* in the dipping-cup *e*, so that the pen cannot pass into the sediment. As the bottom of the dipping-cup *e* is formed inclined toward the opening *f*, as shown at *i*, any sediment or foreign matter which might pass into the dipping-cup would be carried into the depressed portion of the ink-receiver through the opening *f*.

Although I have described my improved ink pot or holder as being constructed with a

cap screwing over the ink-receiver, it will be obvious that, instead of being screw-threaded, the cap may be made to slide and be adjusted upon or in the ink-receiver in any other suitable manner, such as by the use of spring-clips or otherwise.

The dipping-cup, instead of being made with one large opening, *f*, as shown, or with two smaller openings, may be provided with several openings of smaller size, in which case the projection *g* would not be required and the bottom of the dipping-cup would be provided with a conical projection in the interior.

Having now described the nature of my said invention and the manner of performing the same, what I claim is—

1. An ink pot or holder consisting of a receiver, *a*, provided with a cap, *b*, vertically adjustable thereon, and with a dipping-cup, *e*, hung on such cap and adjustable thereby, and

whereby the ink can be maintained at the required level in the dipping-cup and the cup may be readily lifted and removed from the cap, all as set forth.

2. In combination with the ink-receiver, a vertically-adjustable dipping-cup provided with a side inlet, *f*, an interior projection, *g*, above such inlet, and an inclined bottom, *i*, as and for the purposes set forth.

3. The improved inkstand described, consisting of the receiver *a*, provided with the projection *c* and groove *d*, the adjustable cap *b*, and the dipping-cup *e*, placed in and readily removable from such cap, all as and for the purposes set forth.

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Witnesses:

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