

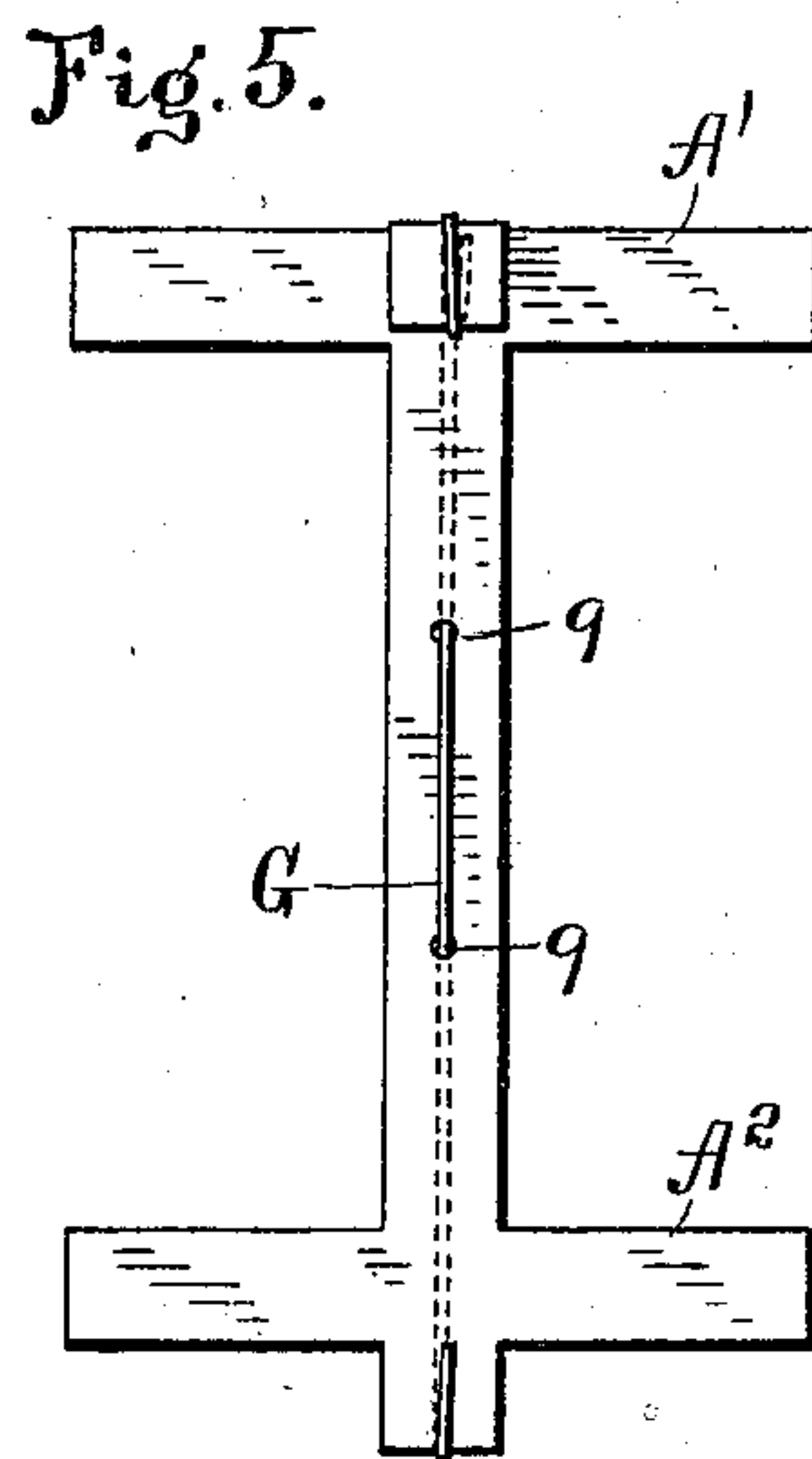
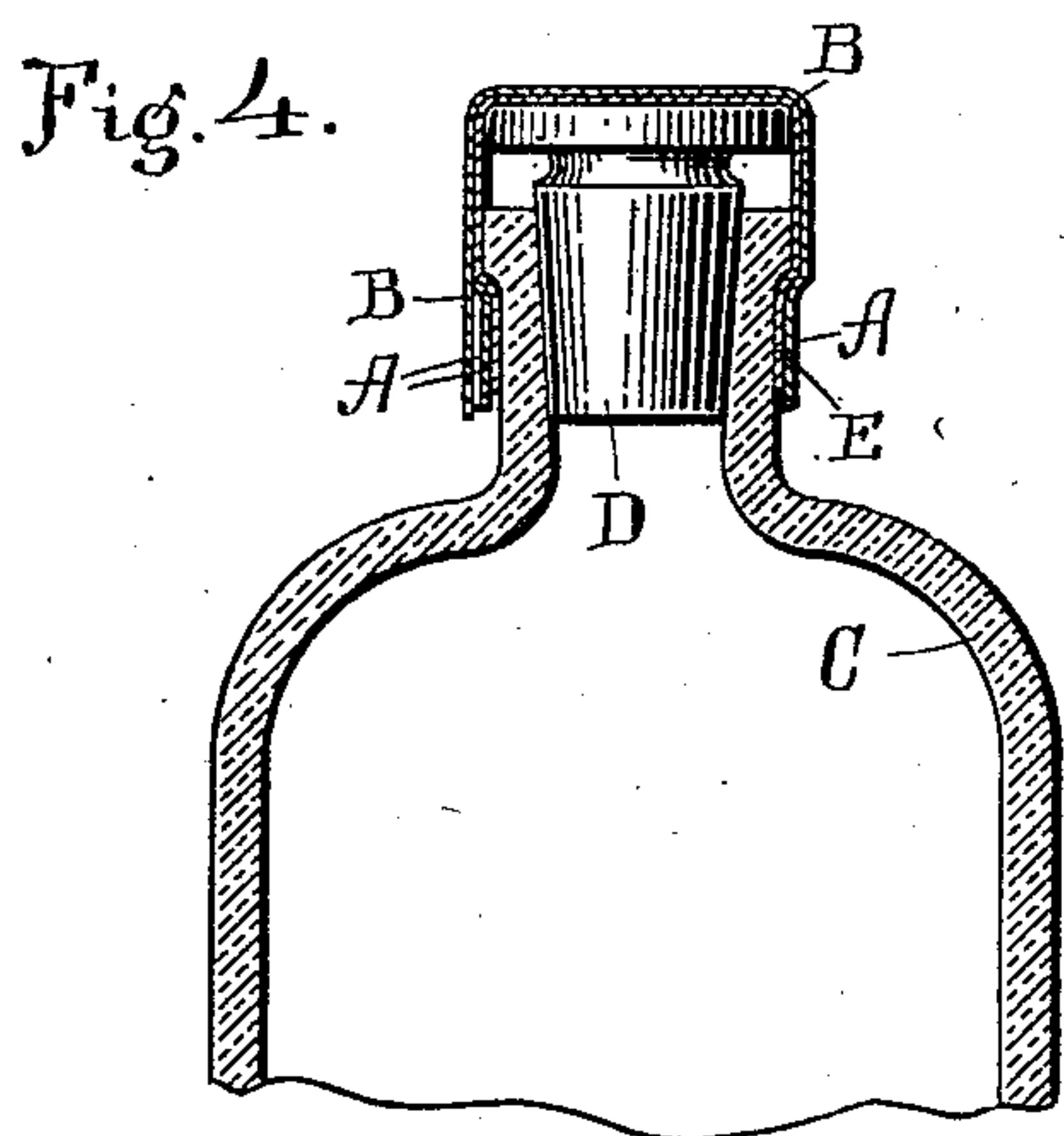
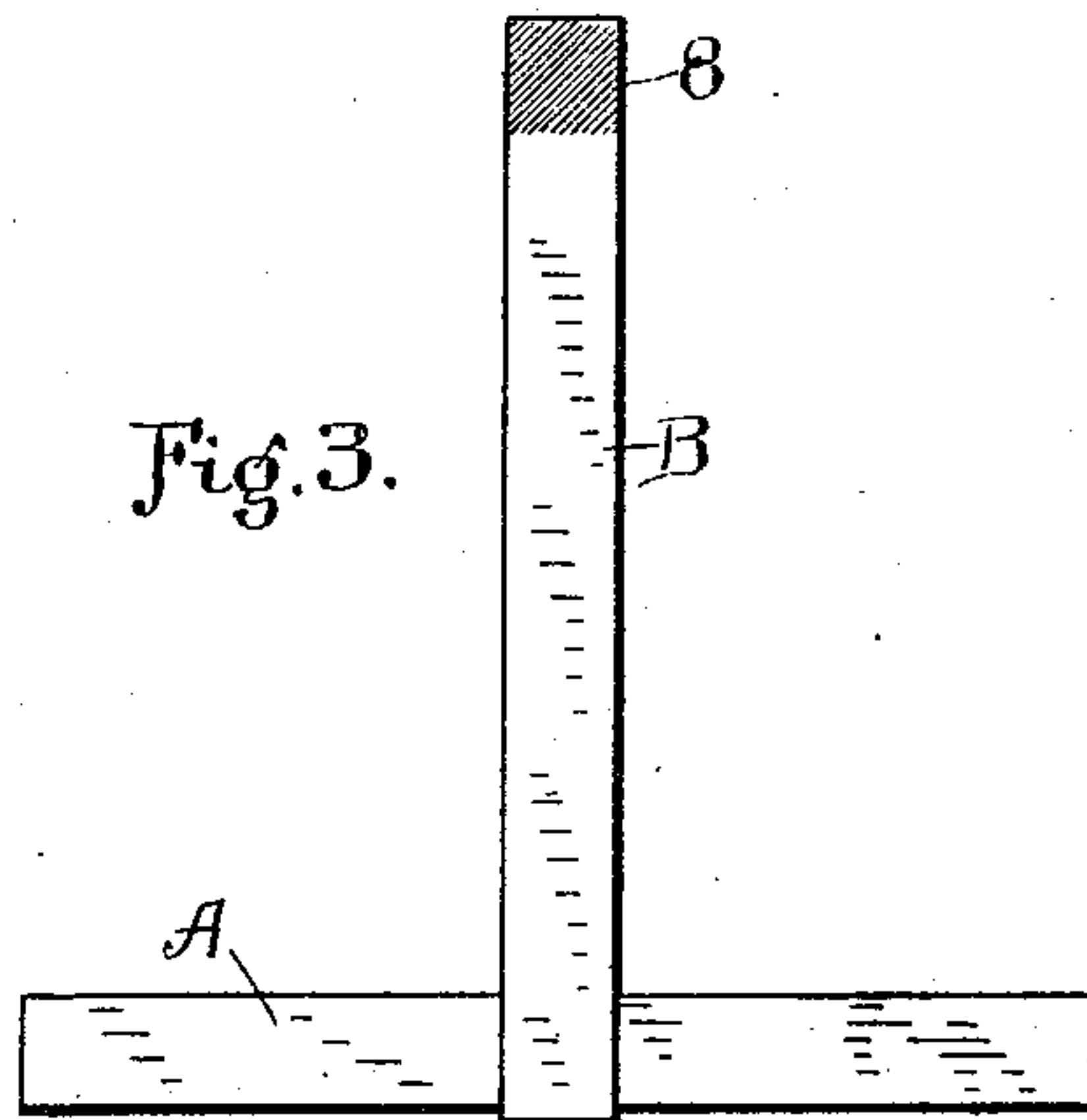
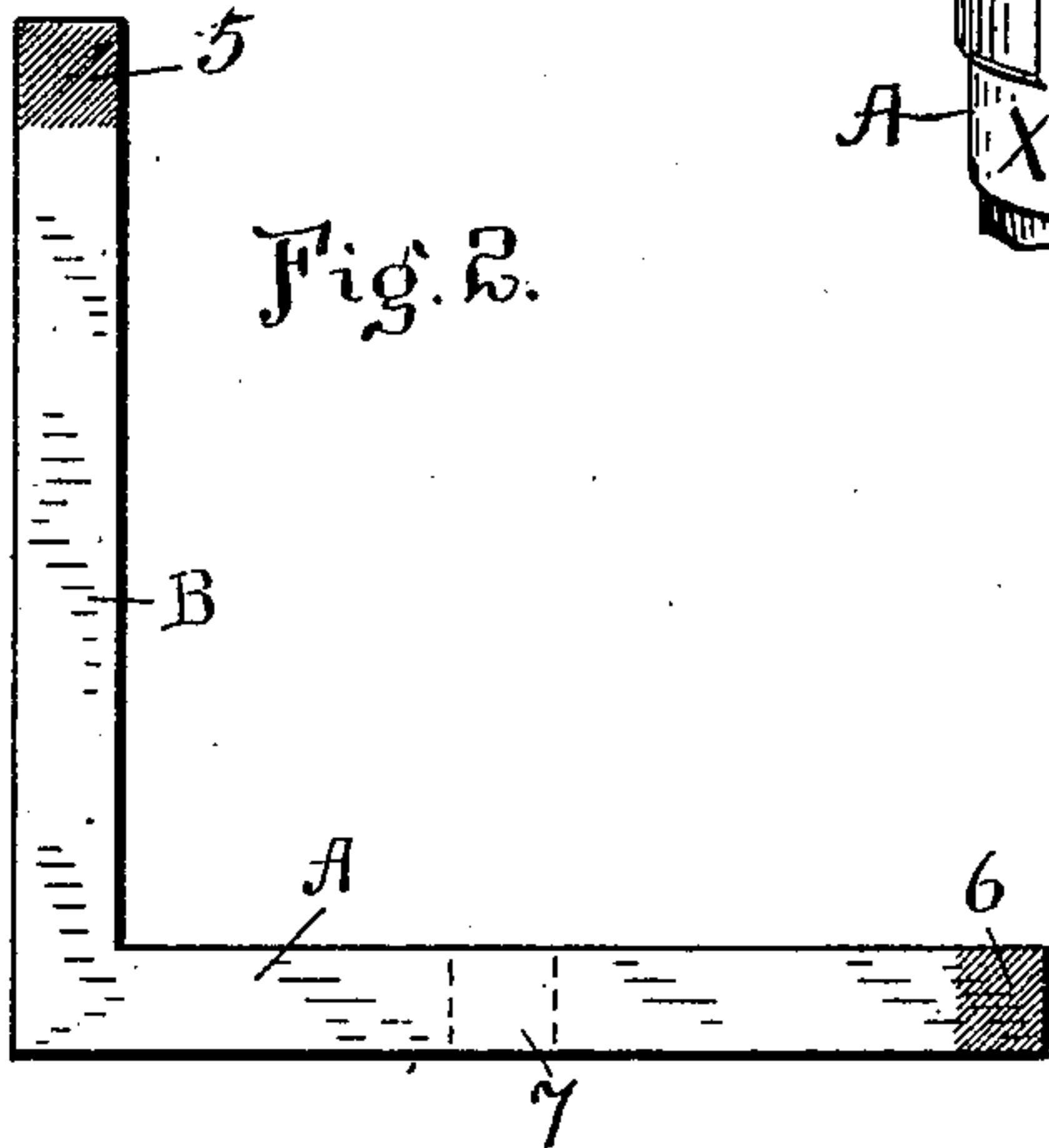
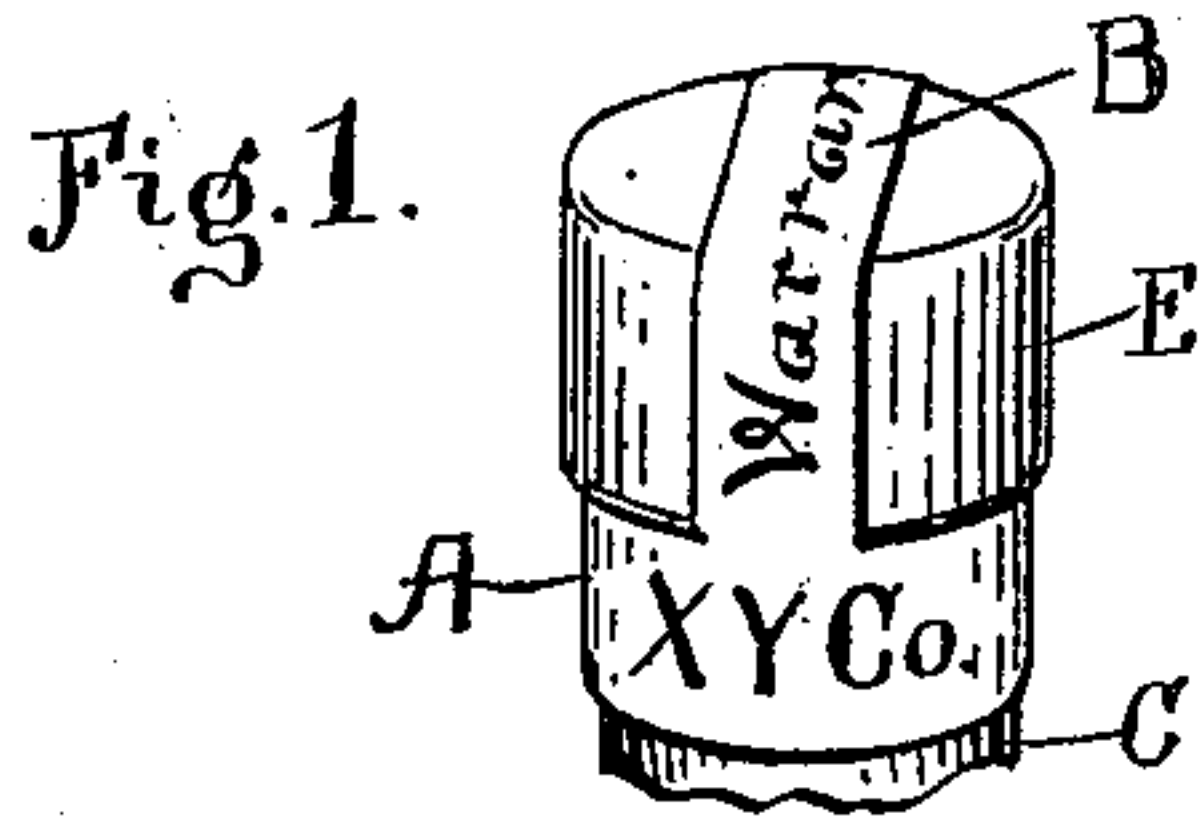
No. 725,687.

PATENTED APR. 21, 1903.

F. A. EMERICK.
SEAL FOR BOTTLES.

APPLICATION FILED JAN. 2, 1902.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

FREDERICK A. EMERICK, OF OSWEGO, NEW YORK, ASSIGNOR TO GREAT BEAR SPRING COMPANY, OF JERSEY CITY, NEW JERSEY, A CORPORATION OF NEW JERSEY.

SEAL FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 725,687, dated April 21, 1903.

Application filed January 2, 1902. Serial No. 87,997. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK A. EMERICK, a citizen of the United States, and a resident of Oswego, in the county of Oswego and State of New York, have invented certain new and useful Improvements in Seals for Bottles, of which the following is a specification.

This invention relates to a seal for stoppers of bottles and like receptacles, such as is applied over a cork or other stopper and secured in place about the neck of the receptacle.

The chief objects of the invention are to so form a seal of this sort that it may be readily applied, that it will remain in place until intentionally removed, and that it will not adhere to the bottle.

With these objects in view the invention consists in the formation, construction, and combination of parts substantially as herein- after set forth.

In the accompanying drawings, which form a part of this specification, Figure 1 represents in perspective a portion of a bottle with my invention applied thereto. Fig. 2 represents in one form the blank for the seal. Fig. 3 shows another form or shape for the blank. Fig. 4 shows a vertical section through the neck of a sealed bottle, the seal being slightly modified from that seen in blank in Fig. 3; and Fig. 5 shows a means of reinforcing the seal.

The principal parts of the seal are the band A and the tongue or strap B. The band is so made that it may be wrapped about the neck of a bottle or other similar receptacle, (represented at C,) and the tongue is so made that it may extend over the stopper D and be attached to the band at the opposite side of the neck. A cap E may or may not be used, but I prefer to use one and to make it of waterproof paper or other waterproof material. The strap B is preferably of paper and likewise the band A, though they may be of other material, such as would be surely torn or broken in attempting to remove the stopper.

As stated, I prefer to use a cap, since by its use foreign or deleterious matter is prevented from lodging on the neck of the bottle, which if permitted to lodge there would contaminate the fluid when poured out.

The band A and strap B are preferably cut or stamped in one piece, as seen in Figs. 2, 4, and 5, though they may consist of two parts cemented together, as indicated in Fig. 3. The tongue also may have its origin or place of attachment at any point of the band, two extremes whereof are seen in Figs. 2 and 3.

In Fig. 2 the blank is indicated as gummed at 5 and 6. The seal in this form is applied by first wrapping the band about the neck of the bottle and sticking the gummed end to the other end of the band. The strap is then passed over the stopper and its free or gummed end stuck to the band near the middle of the latter, as at a point between the dotted lines 7.

The blank of the form seen in Fig. 3 may have gum applied to only the end of the tongue, as at 8, the same being sufficient to stick the ends of the band together and the tongue to the band, (see at left in Fig. 4, wherein the ends of the band are slightly overlapped,) or gum may be applied to both band and tongue, as seen in Fig. 2. The seal of Fig. 4 is of the form seen in Fig. 3, except that the tongue is integral with the band. Obviously the free end of the tongue may be secured to the inside of the band or between the overlapping ends thereof. The ends of the band are preferably, however, simply brought together and sealed to the end of the tongue.

The cap is preferably pressed up so as to fit neatly and smoothly over the stopper and is restricted about the neck of the bottle by the band A. It may, however, be made of a circular piece of paper and pressed into shape about the stopper and neck when applied.

The seal and cap may be of like or contrasting colors of any desired shade, and both or either may have printing thereon, if desired, as typified in Fig. 1.

The strap is preferably gummed to the top of the cap; but the seal is so proportioned and gummed that it cannot be stuck to the bottle. No part of the seal or cap adheres to the bottle. Therefore when the seal is broken it and the cap may be completely removed from the bottle without washing or scraping. Another benefit results from not allowing

any of these parts to be stuck to the bottle—namely, they will not become unsealed by the bottle “sweating” from changes in temperature. The waterproof nature of the cap
5 which underlies the whole seal effectually prevents this.

Other changes and modifications aside from those recited may be made without departing from this invention—as, for instance, the
10 strap may be reinforced in some suitable way, preferably by using a fine wire. This is represented in Fig. 5, wherein the wire G is seen secured at its ends in folds formed by pro-
15 jections from the band, the band in this instance being formed in two parts A' and A² and the strap made integral therewith at both ends. The wire, if desired, may also be
woven in and out of openings in the strap, as indicated at 9.

20 The use of the wire, string, or other reinforcing means still further insures against the removal of the seal without breaking the same.

I claim as my invention—

25 1. A seal for stoppers of bottles and like receptacles consisting of a paper blank having a portion adapted to be fastened around the neck of the bottle, and a tongue or strap
30 integral therewith and adapted to extend over the stopper and to have its free end

sealed to the band at the opposite side, the parts being gummed for attachment to one another but so proportioned that no gummed portion of the seal will adhere to the bottle, as and for the purpose described. 35

2. The combination with a cap of waterproofing material, of a gummed paper band having its ends fastened together around the neck of the bottle, and the paper-retaining
40 strap passing over the cap from one side of the paper band to the other for the purpose set forth, said waterproof cap underlying the whole seal as described so as to prevent de-
tachment of the seal by sweating.

3. In a seal for bottle-stoppers, a paper strap
45 adapted to be passed over the stopper from one side to the other, a band passing about the neck of the bottle for securing the ends of said strap in place, and reinforcing means
50 applied to said strap and secured at its ends in folds formed by projections from the paper seal, substantially as and for the purpose set forth.

Signed at New York, in the county of New York and State of New York, this 17th day
55 of December, A. D. 1901.

FREDERICK A. EMERICK.

Witnesses:

DELBERT H. DECKER,
ETHEL L. LAWLER.