

(No Model.)

S. W. MORGAN.
LOCK SEALING CAP FOR BOTTLES.

No. 578,756.

Patented Mar. 16, 1897.

Fig. 1.

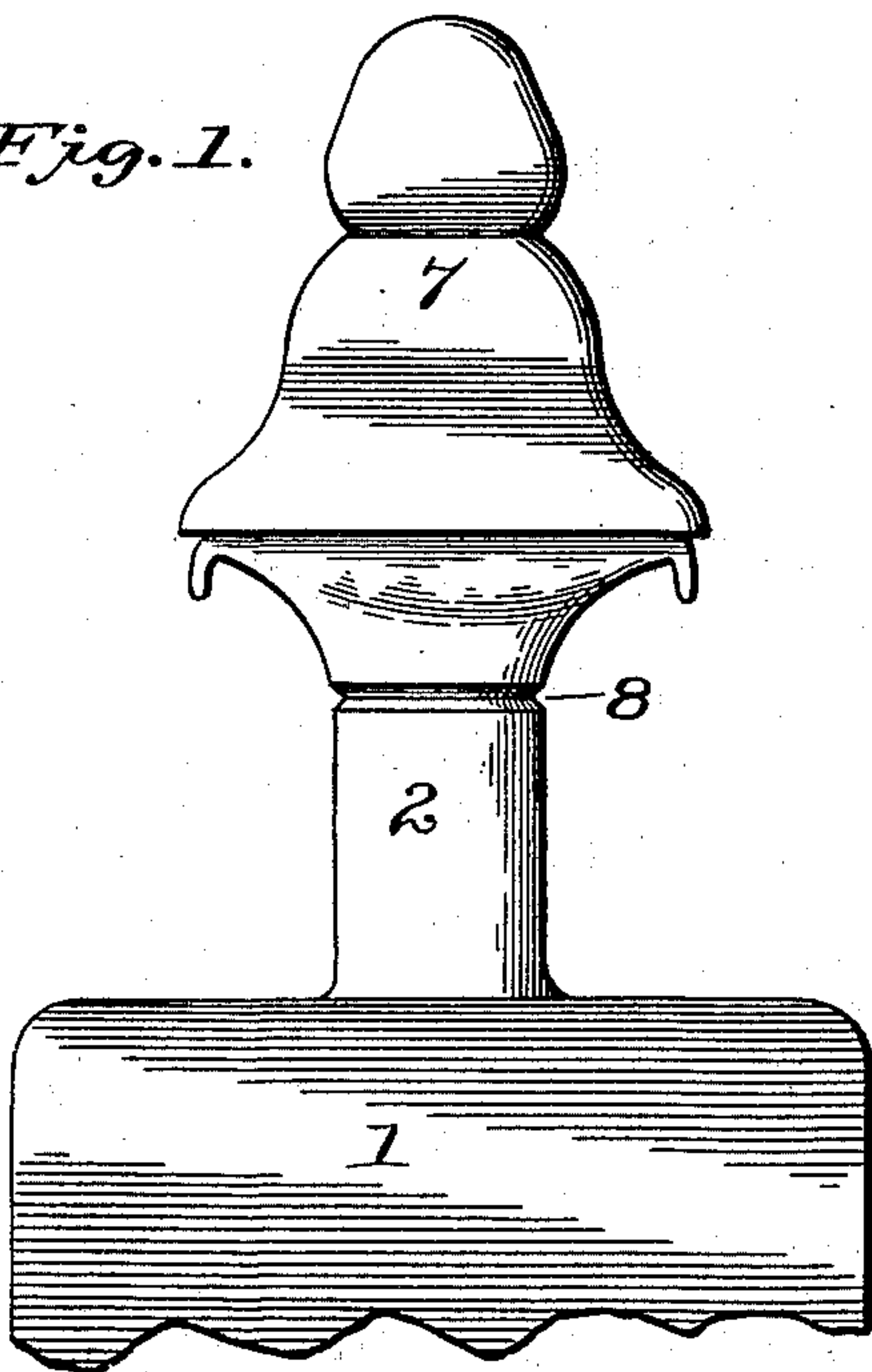


Fig. 2.

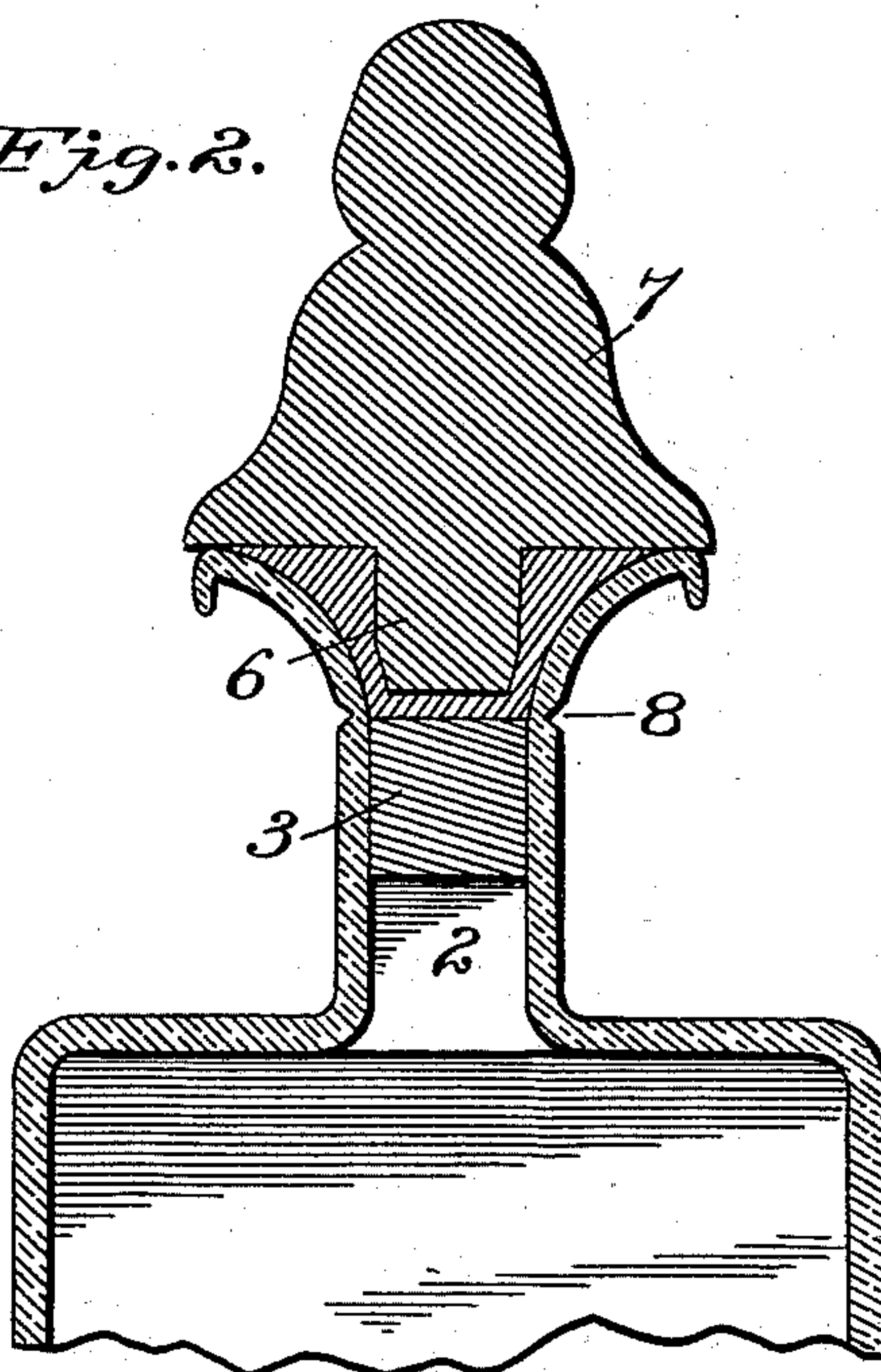


Fig. 3.

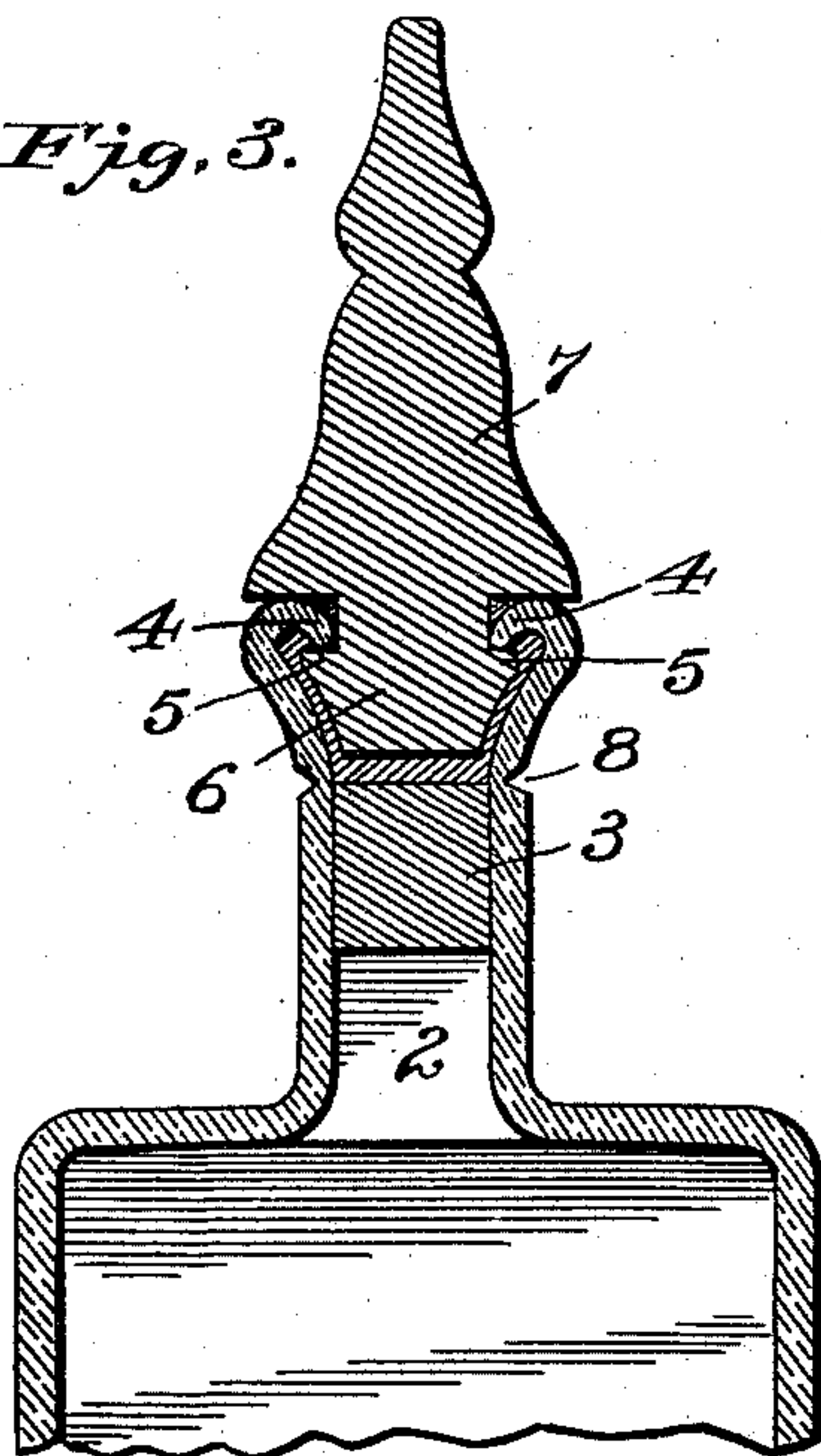
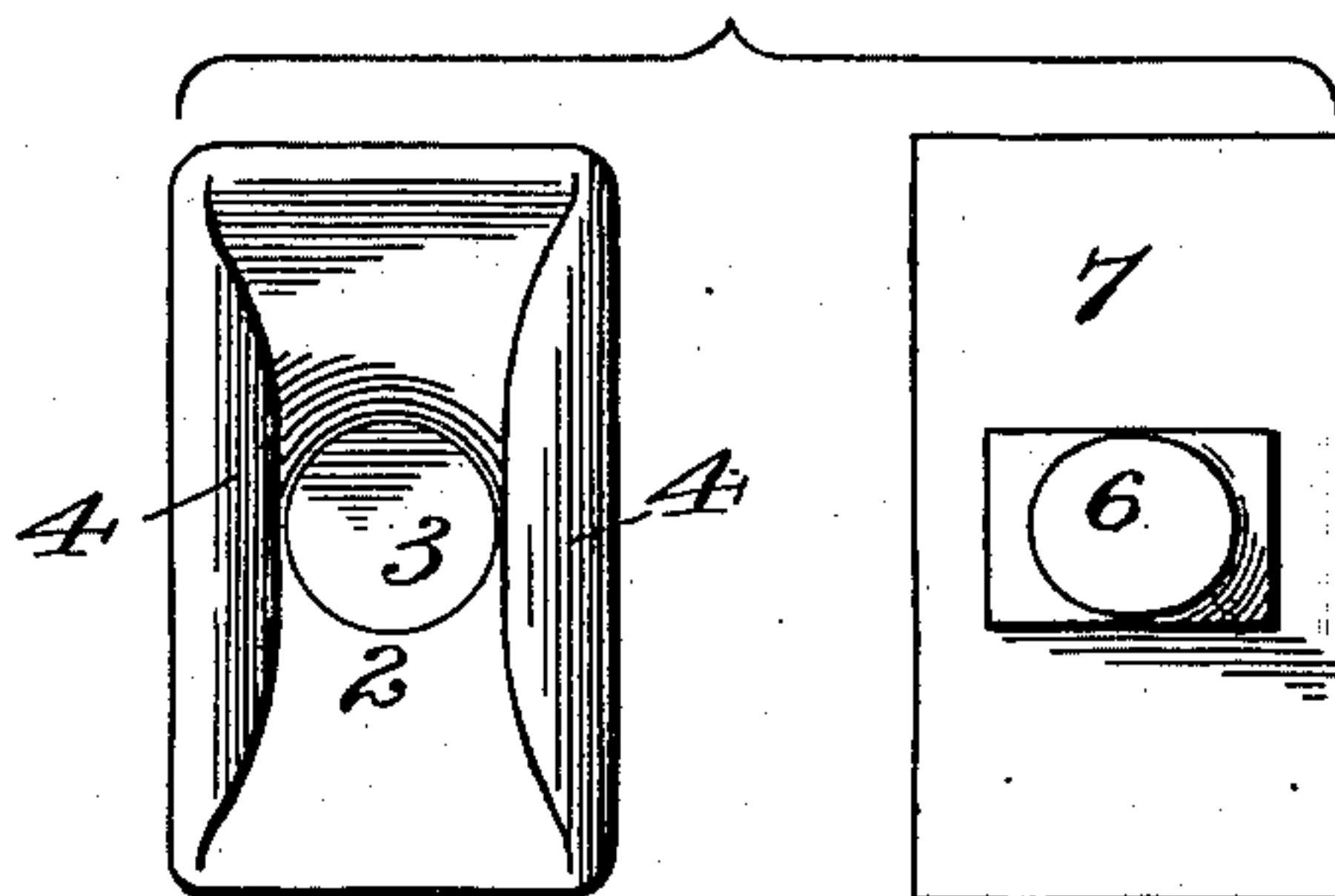


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

SCHUYLER W. MORGAN, OF CONCORD, NEW HAMPSHIRE.

LOCK SEALING-CAP FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 578,756, dated March 16, 1897.

Application filed May 25, 1896. Serial No. 592,958. (No model.)

To all whom it may concern:

Be it known that I, SCHUYLER W. MORGAN, a citizen of the United States, residing at Concord, in the county of Merrimac and State of New Hampshire, have invented certain new and useful Improvements in Lock Sealing-Caps for Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in bottles, the same residing particularly in means for sealing the upper end or neck of the bottle so that it can be filled and used but once.

The invention consists of a bottle having a neck in which an ordinary cork is adapted to be inserted, the said neck being formed with a flaring upper end, with inwardly-projecting flanges along two opposite sides, and a sealing-cap adapted to fit upon and entirely cover the upper surface of said neck, having a lug or projection on its under side which fits down within the neck and is provided with two projections on opposite sides thereof which engage the under side of the flanges on said neck.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of my bottle and sealing-cap. Fig. 2 is a vertical section through the same. Fig. 3 is a similar section taken at right angles to Fig. 2. Fig. 4 is a plan view of the upper end of the neck of the bottle and the lower end of the sealing-cap.

Like reference-numerals indicate like parts in the different views.

The bottle 1 is formed with a neck 2, in which a cork 3 of ordinary construction is adapted to be inserted and is formed with outwardly-flaring upper ends, as clearly shown. Projecting inwardly from two opposite sides of said neck are flanges 4 4, which are adapted to be engaged by projections 5 5 upon a lug 6 on the under side of a cap 7, formed with a broad base which entirely covers the upper end of the neck 2. The said neck may be formed with a weakened portion or dia-

mond cut 8 near its lower end for the purpose of weakening the neck at that point.

In filling my bottle the liquid is poured in in the usual way and the cork 3 inserted into the lower end of the neck 2. Sealing-wax, plaster-of-paris, or other like hardening material is then placed in the upper end of the neck 2 on the top of the cork 3. The cap 7 is then placed upon the neck 2, the lug 6 projecting down within said neck, and the cap turned so that the projections 5 on the lug 6 rest beneath the flanges 4 on the neck 2. As soon as the wax or plaster hardens it is impossible to remove the cap 7 without breaking the bottle.

To remove the contents of the bottle, it is merely necessary to give a light tap to the upper end of the neck 2, when the same will break along the diamond cut 8, destroying the bottle, but permitting the contents to be poured therefrom.

While I have described my bottle and the sealing-cap therefor as being especially adapted for use when it is desired to prevent the bottle from being filled a second time, it is of course obvious that I may use my improved sealing-cap on bottles for holding beer and other carbonated beverages, in which the cap serves to hold the ordinary cork in place, and the bottle may be used any number of times it may be desired. In this case the diamond-cut or weakened portion 8 would be dispensed with and no sealing-wax or plaster-of-paris would be used. When the diamond cut 8 is made in the neck, it is done after the bottle has been filled.

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

The herein-described non-refillable bottle having a neck in which an ordinary cork is inserted and upon which sealing-wax, plaster-of-paris, or other like material may be placed, the said neck having flaring upper ends and being substantially elliptical in cross-section at a point near its upper end, the longer sides of said neck having inwardly-extending flanges thereon, and a cap or cover for said bottle having a lug extending down into said

neck with the projections on the sides of said
lug adapted to engage the under side of said
flanges, said cap or cover having a broad base
or bearing-surface which is adapted to rest
5 upon the upper end of the neck of the bottle,
substantially as and for the purpose de-
scribed.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

SCHUYLER W. MORGAN.

Witnesses:

HENRY W. STEVENS,
THOS. F. CLIFFORD.