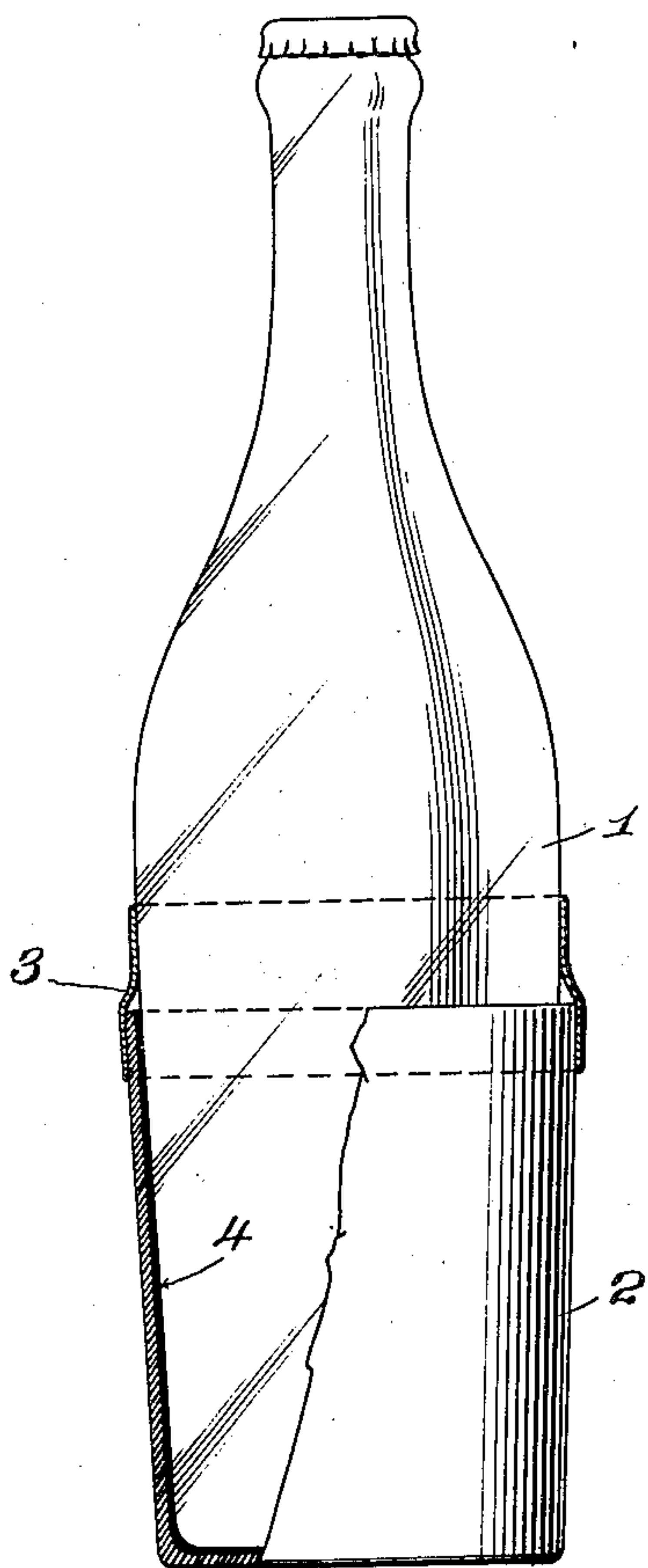


No. 896,903.

PATENTED AUG. 25, 1908.

F. N. FERRY.
COMBINED BOTTLE AND CUP.
APPLICATION FILED SEPT. 9, 1907.



Witnesses:
H. R. Schulz.
B. E. Phillips.

Inventor
F. N. Ferry
By his Attorney
Robert M. Person

UNITED STATES PATENT OFFICE.

FAIRCHILD N. FERRY, OF NEW YORK, N. Y.

COMBINED BOTTLE AND CUP.

No. 896,903.

Specification of Letters Patent.

Patented Aug. 25, 1908.

Application filed September 9, 1907. Serial No. 392,068.

To all whom it may concern:

Be it known that I, FAIRCHILD N. FERRY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in a Combined Bottle and Cup, of which the following is a specification.

This invention relates to bottles for beverages and it aims primarily to furnish a bottle with an attachment which can be used as a drinking-cup and may serve also for protecting the bottle and as a label.

The accompanying drawing shows a side elevation of the bottle and cup with the latter partly in section.

1 is a bottle which may be of any usual form for holding beverages and 2 is a cup which sheaths the lower portion of the bottle and is shaped to accurately fit the latter and exclude foreign substances from between the two. The material of this cup is important for I desire to have it fit the bottle accurately but yet be readily removable, to be impervious to liquids held within it, at least for a substantial period of time, to be yielding and flexible so as to allow for the margin of variation found in bottles which are intended to be of the same size and further so as to protect the bottle against breakage in handling or transportation, as well as making a convenient label or base for a label, and to be light and cheaply manufactured so that the cup may be treated as a part of the package for the bottle and may be thrown away after use without incurring noticeable loss or constituting refuse which would be objectionable because heavy or indestructible. I therefore prefer to make the cup 2 out of a comparatively inextensible though flexible material such as paper and it may be molded in one piece or cut and formed from flat sheets, or otherwise made to the desired shape.

The walls of the cup are preferably impregnated, or its interior lined as shown at 4 with a waxy substance, such as paraffin, or other suitable measures may be taken to make the cup substantially impervious to liquid held within it, and this waxy interior surface of the cup has the further advantage of causing the cup to cling to the bottle firmly, especially if the cup is warmed before applying it to the bottle, although this union, which is effected mainly by friction and more or less of a vacuum-resistance to

withdrawal owing to the substantial exclusion of an intervening air film, will not be so firm as to prevent the cup from being readily detached for use.

It will be noted also that the bottle and cup are conically tapered, and although my invention applies to cylindrical and other-shaped bottles, it is evident that the slight taper of the bottle and cup is an additional means which secures adhesion and sealing of the cup by a wedging action and makes the cup more readily removable. The waxy interior of the cup, when employed, cooperates with the taper in allowing a greater wedging action and more firm adhesion without unduly straining the cup.

To further seal the cup and aid in preventing its accidental detachment from the bottle, a sealing strip 3 may be applied around the mouth or upper edge of the cup to attach it to the bottle, and this strip thoroughly avoids the entrance of foreign substances to the interior of the cup or soiling of the rim thereof while in place on the bottle.

The preferred method of attaching the strip is to paste its two ends together while the strip is in a moistened condition, and when it dries it will contract upon the bottle and cup. I might paste the strip to the bottle and cup, but the above method allows the strip to come off entire without leaving portions adhering.

In place of the strip, the whole bottle and cup might be inclosed in a paper wrapper, as will be understood without special illustration, but I may omit both the wrapper and the sealing strip 3 without departing from my invention.

The bottle itself, besides supporting the cup in a secure manner aided by the waxy inner surface of the cup, keeps the interior of the cup closed and in an unsoiled condition. With each bottle of beverage the user thereby has the advantage of a clean and unused drinking vessel.

The cup may be used as a label or base for a label and any descriptive or advertising matter printed or otherwise impressed thereon, to which purpose the cup is in some respects, owing to its nature, better adapted than the bottle itself.

I am aware that pocket liquor flasks have been provided with detachable metal drinking cups incasing the bottom of the flask and I do not claim such devices as within the scope of my invention.

I claim:—

1. The combination with a bottle, of a drinking cup sheathing the lower portion thereof and having a waxy inner surface which renders it impervious to liquid and causes it to cling to the bottle.
2. The combination with a bottle having a slightly-tapered lower portion, of a similarly-tapered drinking-cup sheathing the same and having a waxy inner surface causing it to adhere to the bottle.
3. The combination with a bottle having a conically-tapered lower portion, of a similarly-shaped impervious drinking cup closely surrounding said portion and held thereon by wedging and the substantial exclusion of an intervening air-film.
4. The combination with a bottle, of a flexible impervious drinking cup sheathing the lower part of the bottle and having a waxy inner surface which clings closely to the bottle.

5. The combination with a bottle, of a drinking cup conforming and adhering to its lower portion and composed of a flexible and comparatively inextensible material having a waxy inner surface.

6. The combination with a bottle, of a flexible impervious drinking cup closely fitted to its lower portion, and sealing means for covering the mouth of the cup and holding the cup on the bottle.

7. The combination with a bottle, of a flexible impervious drinking cup closely fitted to its lower portion, and a sealing strip applied to the bottle and cup around the mouth of the cup.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses, the 30th day of August 1907.

FAIRCHILD N. FERRY.

Witnesses:

JOHN A. BOLLES,
R. M. PIERSON.