No. 844,543. PATENTED FEB. 19, 1907.

L. B. SCHENCK.

INCASED RECEPTACLE.

APPLICATION FILED NOV. 5, 1906.

Fig. 1.

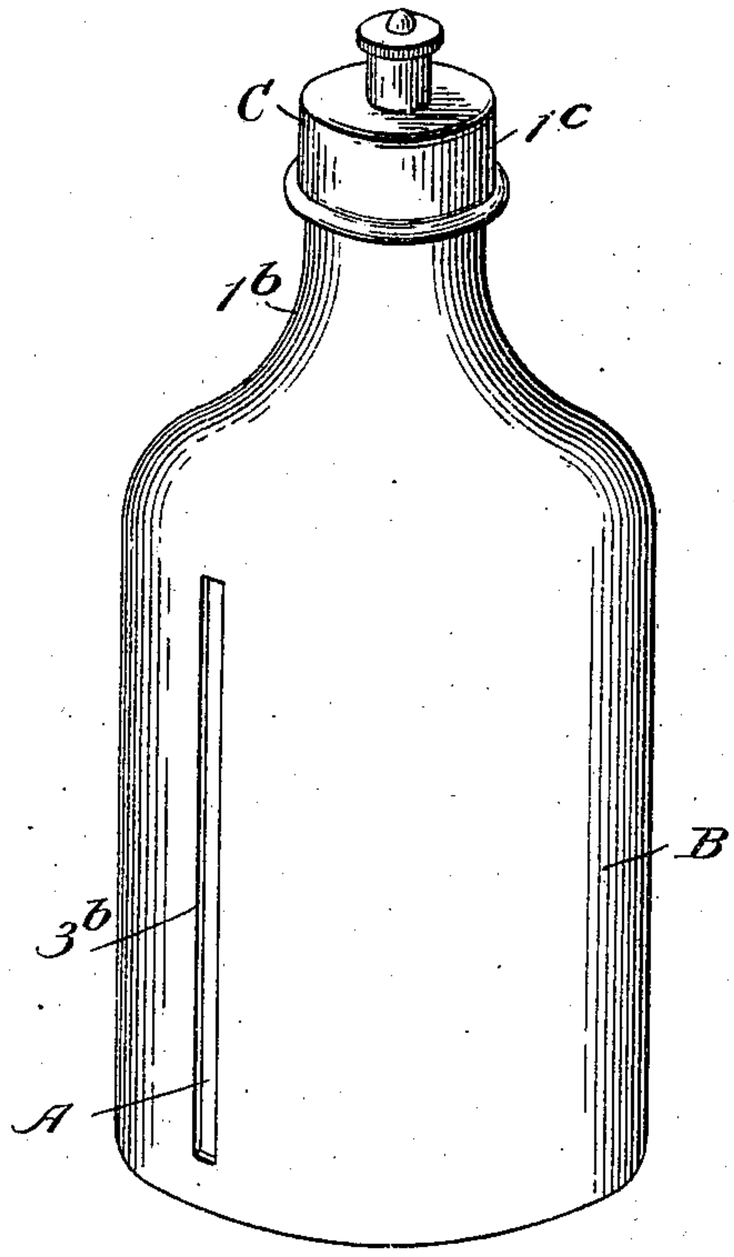


Fig. 2.

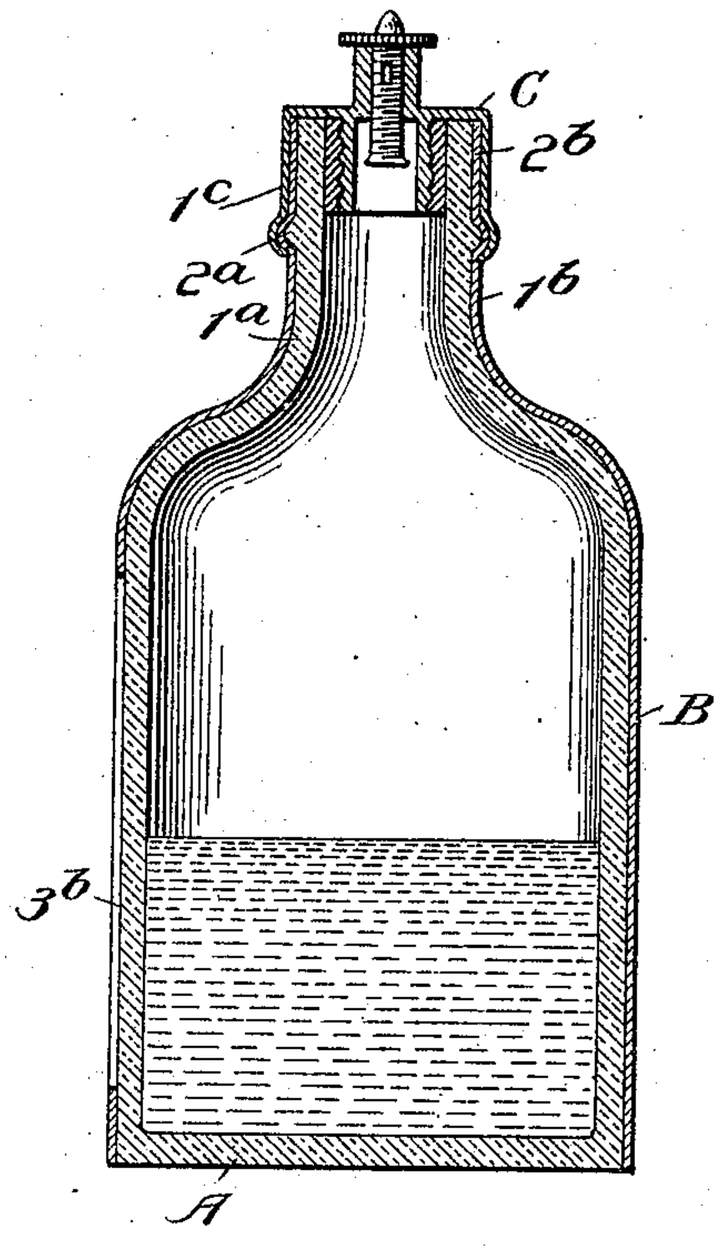


Fig. 3.

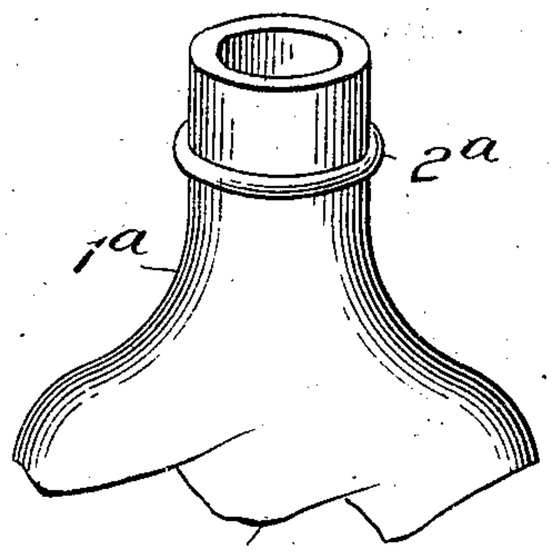


Fig. 4.

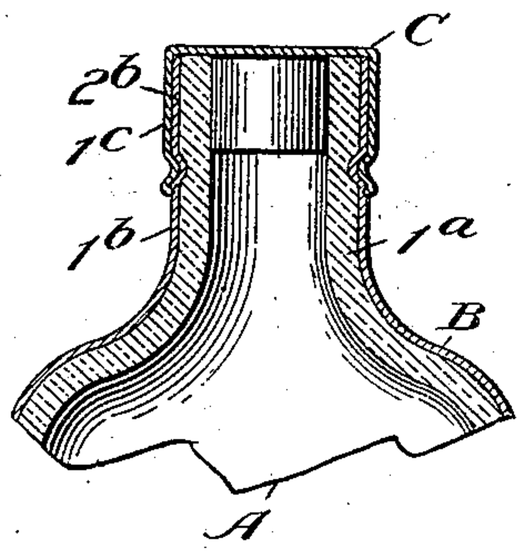
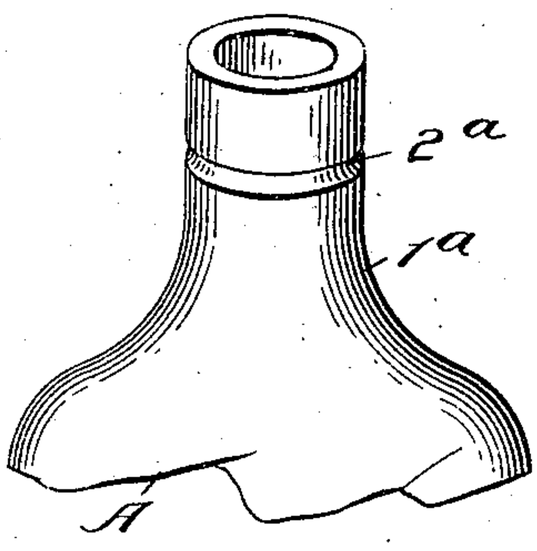


Fig. 5.



Witnesses

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INCASED RECEPTACLE.

No. 844,543. Specification of Letters Patent. Patented Feb. 19, 1907.

Application filed November 5, 1906. Serial No. 342,057.

To all whom it may concern:

Be it known that I, LUDWIG B. SCHENCK, a subject of the Emperor of Germany, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Incased Receptacles; 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 the construction of bottles, jars, or other receptacles, to a jacket, hood, or casing for protecting the same, to the manner of attaching the protecting hood or jacket to the said receptacle, and to a closure for the receptacle and the manner of attaching the same to the receptacle and the hood.

The article of manufacture which is the subject of this invention provides a cheap, attractive, simple, and easily-assembled device of such character that while the contents of the incased receptacle may be readily withdrawn, yet such contents cannot be tampered with or altered without the mutilation and practical destruction of the package.

It is the further object of my invention to provide a convenient form of liquid-containing package in which the liquid-containing receptacle thereof is protected from breaking and from which the contained liquid is not liable to leak or spill.

The receptacle-protecting jacket, hood, or casing, which forms an important feature of my invention, has manifest advantages when the receptacle incased thereby is made of glass or other frangible material, and in addition to affording a protection against breaking of the receptacle, as heretofore stated, serves also as a protection against alteration of the contents, as the jacket or hood may be of such construction and material that it is easily damaged through any attempt to remove the receptacle-closure after the latter has been once applied. Moreover, the casing may be so constructed as to afford a packing between the receptacle and closure, thus preventing leakage and also obviating possible breakage of the said receptacle when the closure is applied thereto or when the closure is accidentally subjected to shock or strain.

To accomplish the several desired objects, I combine with a receptacle of any suitable form an incasing jacket or hood and maintain the latter thereon by means of the receptacle-closure, the receptacle being provided with means for maintaining the proper relation of the closure with respect thereto after the latter has been applied, and the incasing jacket or hood having a packing-ring portion interposed between the receptacle and the closure.

There are other features of invention residing in particular features and elements of construction, all as will hereinafter more fully appear.

In the drawings chosen for the purpose of illustrating this invention, the scope whereof is pointed out in the claims, Figure 1 is a perspective view of a receptacle, an incasing-hood, and a receptacle-closure embodying my invention. Fig. 2 is a vertical central section of the device shown in Fig. 1. Fig. 3 is a perspective view of the neck portion of the receptacle illustrated in Figs. 1 and 2. Fig. 4 is a vertical central section of the neck portion of a modified embodiment of my invention. Fig. 5 is a perspective view of the modified form of receptacle illustrated in Fig. 4.

Like symbols refer to like parts wherever they occur.

I will now proceed to describe my invention more fully, so that others skilled in the art to which it appertains may apply the same.

In the drawings which have been chosen for the purpose of explaining my invention the receptacle A is represented as a bottle having a contracted portion or neck 1^a. Upon the neck portion 1^a of the receptacle, and preferably encircling the same, is formed a closure-abutment 2^a, by means of which the receptacle-closure C after having been applied to the said receptacle A is maintained in proper relation with the latter and with the incasing jacket or hood B. This closure-abutment 2^a, which, as before stated, is preferably annular in form, may be of any form such as will prevent a disconnecting movement of the closure C after the latter is applied, but is preferably formed as an annular raised bead of flange, as shown in Figs. 1, 2, and 3 of the drawings. In Figs. 4 and 5 the closure abutment 2^a is shown as an annular groove; but this latter form is not so desirable, since the neck 1^a of the receptacle is thereby somewhat weakened.

The receptacle-incasing hood or jacket B

is preferably formed in a single piece and is preferably open at both ends, as shown. It may be made of any suitable material; but it is preferred to form said jacket B of compressed paper-pulp or other fibrous material, as a jacket made from material such as this affords an excellent protection for the incased receptacle when the latter is of glass or other easily-frangible substance and, in addition, well fulfils the office of a packing between the receptacle A and receptacle-closure C. Furthermore, a jacket or hood of such character permits the receptacle-closure C to be so embedded therein at the time of application of the latter that it is impossible to remove the said closure C and refill the receptacle or tamper with its contents without tearing or mutilating the said hood, and, further, since the incasing jacket or hood B is an excellent medium for advertising matter or the like, it is desirable that it shall be of such character as to readily receive printed impressions or to be easily embossed.

While it is preferred that the receptacle-incasing jacket B should be similar in configuration to the receptacle A in order that a neat package may result, yet it is not necessary that said hood should be in contact with said receptacle otherwise than at the portion covered by the receptacle-closure C when the hood is extended up under the closure or at the portion of the neck 1^a of the receptacle adjacent to the lower part of the closure when the hood B extends upwardly only to such lower edge of the said closure.

When the jacket or hood B to be used in connection with a receptacle having a closure-abutment 2^a in the form of a raised bead, as shown in Figs. 1, 2, and 3, is formed of compressed paper-pulp or other material which is not highly elastic, it is preferred to form the neck portion 1^b thereof sufficiently large, so that it will easily slip over the annular bead 2^a, said neck portion 1^b of the said jacket being thereafter pressed firmly into contact with the adjacent part of the receptacle either before the closure C is applied to the latter or during the application of the said closure, as desired. It is not necessary, however, that the neck portion 1^b of the jacket or hood B should be large enough to permit the free passage of the bead 2^a, (shown in Figs. 1, 2, and 3 of the drawings,) as the elasticity of the hood itself permits the passage of a bead 2^a of larger annular diameter than would be otherwise possible. In the form of receptacle shown in Figs. 4 and 5 of the drawings, wherein the closure-abutment 2^a is illustrated as an annular groove, it is obvious that the neck portion 1^b of the jacket B may be initially of proper proportions to closely fit the receptacle A when applied to the latter.

The upper portion 2^b of the neck-section of the hood B forms when the closure C is applied a packing-ring interposed between said closure and the receptacle A, as will be readily understood.

If desired, a sight-opening, such as 3^b, may be formed in the jacket B, and also, if desired, perforations of a well-known character may be formed in the neck of the jacket, so that the said jacket may be the more readily mutilated by any removal of the receptacle-closure C.

C is the receptacle-closure, and while in Fig. 4 of the drawings it is represented as a simple metal cap, yet it is preferred to construct such closure as a sprinkler either of the form illustrated in Figs. 1 and 2 or of any other well-known form having the same functions, as a closure of this form offers great difficulties in refilling the receptacle or tampering with its contents. In each form illustrated the closure C is provided with an annular depending flange 1^c, which extends downwardly a sufficient distance to engage the closure-abutment 2^a of the receptacle through the intermediacy of the jacket B, the lower edge portion of the said depending flange being formed to engage the said abutment 2^a, by which it is maintained in proper relation with the hood B and receptacle A. In order that the depending flange portion 1^c of the closure C may be most securely held by the abutment 2^a and may also firmly engage the hood B, it is preferred to bend or crimp the lower portion of the said depending flange so that it not only conforms to the general outline of the abutment 2^a, but also is forced, crimped, or embedded, preferably, at its lower edge into the body of the hood. The packing-ring portion 2^b of the jacket or hood B is firmly pressed against the upper portion of the neck of the receptacle by the closure C, and thus prevents leakage, as will be readily apparent.

The construction of the several parts being substantially such as hereinbefore pointed out, the receptacle A may be filled, then inserted in the open bottom of the jacket or hood B, and the closure C applied as heretofore described.

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

1. A device of the character indicated, comprising a receptacle having a closure-retaining abutment, a hood incasing said receptacle, and a closure for said receptacle, said closure being affixed to said receptacle by means of the closure-retaining abutment thereof and maintaining said hood on the receptacle.

2. A device of the character indicated, comprising a receptacle, a hood incasing said receptacle, and a closure for said receptacle, said closure embracing a portion of the hood and maintaining said hood on the receptacle.

3. A device of the character indicated, comprising a receptacle having a closure-retaining abutment, a unitary hood open at one end and incasing said receptacle, and a closure for said receptacle, said closure embracing a portion of the hood and maintaining said hood on the receptacle.

4. A device of the character indicated, comprising a receptacle provided with a closure-retaining abutment, a hood incasing said receptacle, and a sprinkler forming a closure for said receptacle, said closure having a portion engaging the abutment of the said receptacle through the interposed hood and thereby maintaining said hood on said receptacle.

5. A device of the character indicated, comprising a receptacle provided with a closure-retaining abutment, a hood incasing said receptacle and having a packing-ring portion interposed between the said receptacle and the closure therefor, and a sprinkler forming a closure for said receptacle, said closure having a depending annular flange engaging the abutment of the receptacle through the interposed hood.

6. A device of the character indicated, comprising a receptacle provided with an annular bead, a hood for said receptacle having a portion interposed between said bead and the closure for the said receptacle, and a closure for said receptacle having a portion which engages said annular bead through the interposed hood.

7. A device of the character indicated, comprising a receptacle provided with an annular closure-retaining abutment which affords means for affixing a receptacle-closure thereto, a closure which is secured to said receptacle through the interposed hood, and an incasing hood which is maintained on the receptacle by said closure.

In testimony whereof I affix my signature in presence of two subscribing witnesses.

LUDWIG B. SCHENCK.

Witnesses:
WM. E. DYRE,
M. D. BALLAUF.