

W. N. Walton.

Label.

No. 30542.

Patented Sept 23 1862.

Fig. 1.

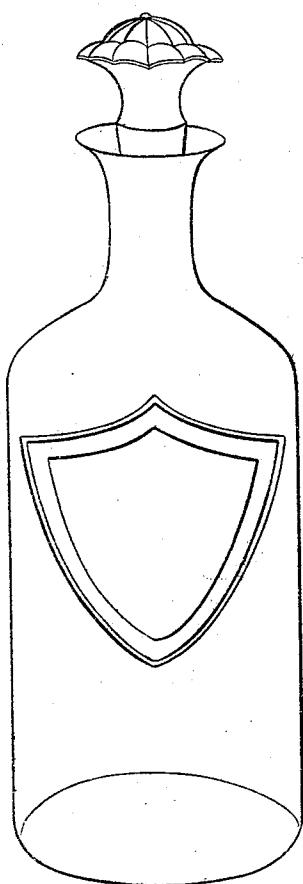
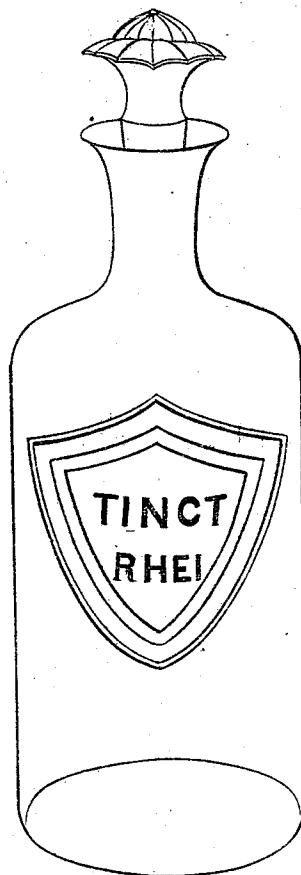


Fig. 2.



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WILLIAM N. WALTON, OF NEW YORK, N. Y.

IMPROVEMENT IN ATTACHING LABELS TO BOTTLES.

Specification forming part of Letters Patent No. 36,542, dated September 23, 1862.

To all whom it may concern:

Be it known that I, WILLIAM N. WALTON, of the city and State of New York, have invented a new and Improved Method of Attaching Labels to Glass and other Bottles; and I do hereby declare that the following is a full, clear, and exact description thereof, and of its construction and mode or manner of operation, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

For many purposes, particularly for drug-gists' uses, it is very desirable and almost necessary that the labels upon their bottles should be permanently attached thereto, and also should be so secured that they will be and remain plain and distinct in their inscriptions. Mistakes and accidents from delivering one article in the place of another are thus more easily and effectually prevented.

Labels have heretofore been painted directly upon the side of the bottle; but when so fixed they are very liable to be removed in cleaning, &c., and fluids—as acids, &c.—dripping from the mouth will injure and soon destroy them, when they must again be renewed at considerable expense.

Labels suspended about the neck of the bottle have also been used; but such are liable to be mislaid and lost, and are also troublesome to keep clean and distinct.

Glass plates have also been used with the inscription painted upon them, and then cemented or fastened to the bottle; but as heretofore made use of they have been liable to get loosened by the cement melting or losing its adhesive qualities, and there has been no way devised to prevent acids, oils, &c., from passing down between the plate and the bottle and soon destroying the inscription.

My invention consists in shaping or forming the bottle with reference to the label or label-plate, and thus making and securing a support for the label, so that it will not move from its proper position, and in also so shaping the bottle that any fluid dripping from the mouth or the neck of the bottle will be prevented from getting between the bottle and inscription or label plate, and then in attaching or combining the inscription-plate with the bottle so shaped, thus securing permanency and durability to the inscription.

Figure 1 shows a bottle having a depression or recess, A, in one side of a shield-like form. Such recess or cavity is to be made when the bottle is being formed, and may be of any shape desired. The inscription or label plate B is of the same shape with the depression A, so as to fit neatly within it, and is of a thickness such that when placed therein the general surface of the bottle and of such plate will be nearly the same. The inscription is put, in any convenient manner, upon the back of the plate B, which is then secured in the cavity A by cement or any proper adhesive material. To prevent any fluid—as acid, oils, &c.—which may drip from the mouth of the bottle and run down the sides from getting between the bottle and the plate B, and thereby both loosen the label and deface or destroy the inscription, a slightly-projecting ridge or lip, *a*, is made in the bottle, extending around, either partially or wholly, the recess A, and which directs and leads off any fluid so dripping from the neck of the bottle. By this arrangement the label or inscription plate is protected from anything which may tend to displace it, and the inscription is also at the same time guarded against contact with anything that may tend to deface and destroy it. Like protection of the plate and its inscription may also be secured by causing the ridge or projecting lip *a* to stand out bolder and to a greater extent from the surface of the bottle, within which the plate A, when properly marked, is to be placed. This arrangement will give all necessary support to the plate A, and will also equally well direct any fluids away from the plate and down the sides of the bottle, but is not considered as neat and desirable as that first described.

Fig. 2 shows the bottle and label combined.

The above-described method of attaching or combining bottles and their labels may be applied to all kinds of bottles, whether glass, earthen, or of any other material, and the form of the label or inscription plate may be varied according to fancy or convenience.

When the ridge or lip *a* stands out so as to form a cavity for the plate B, such plate will be in relief, instead of being sunk below the surface of the bottle, and in such case the ridge *a* will be a part of the inclosing outline.

If the form of the plate B is such that its upper edge is straight, or nearly so, then the

ridge or lip *a* should be slightly arched, so as to direct any fluid off down the sides of the plate B.

What I claim as new, and desire to secure by Letters Patent, is—

1. Shaping the bottle, whether in relief or intaglio, so as to correspond with the label or inscription plate B, substantially as and for the purposes set forth.

2. The arrangement of the lip or ridge *a*,

whether distinct from or making a part of the cavity for the plate B, for the purpose of preventing acids, oils, &c., from entering between the label-plate and the bottle, substantially as described.

WILLIAM N. WALTON.

Witnesses:

S. D. LAW,

A. W. HALE.