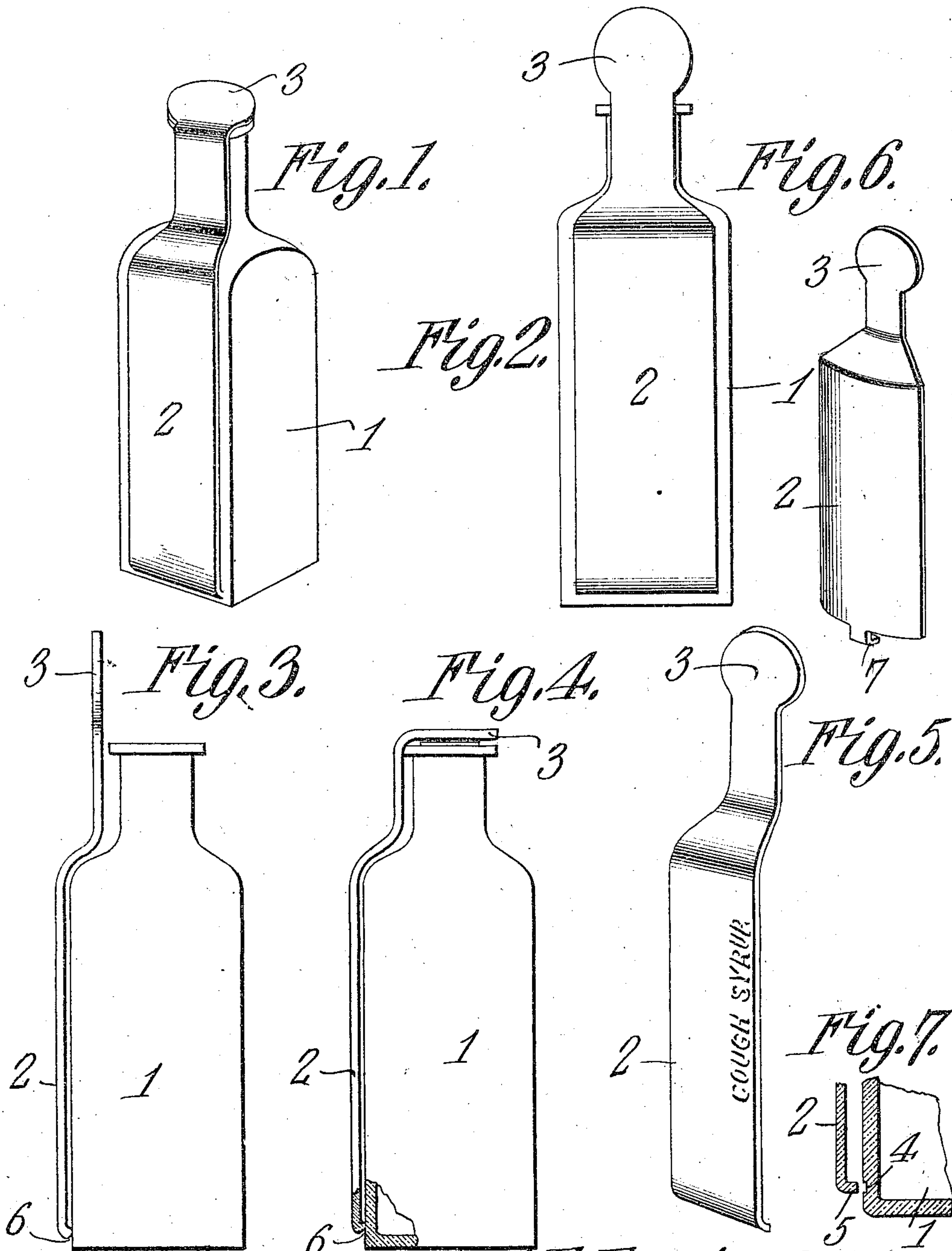


No. 896,095.

PATENTED AUG. 18, 1908.

H. E. ERWIN.
BOTTLE SEAL.

APPLICATION FILED MAR. 30, 1907.



WITNESSES:

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HERBERT E. ERWIN, OF TOBACCO, KENTUCKY.

BOTTLE-SEAL.

No. 896,095.

Specification of Letters Patent.

Patented Aug. 18, 1908.

Application filed March 30, 1907. Serial No. 365,579.

To all whom it may concern:

Be it known that I, HERBERT E. ERWIN, a citizen of the United States, residing at Tobacco, in the county of Calloway and State of Kentucky, have invented a new and useful Bottle-Seal, of which the following is a specification.

This invention relates to a bottle seal and label designed to protect manufacturers and proprietors of compounds and other bottled preparations from fraudulent persons who refill empty bottles of peculiar form, or which contain the name of the owner, preparation or both blown on the bottle, with an inferior preparation and market these counterfeit productions as genuine.

To this end, the invention consists of a thin strip of glass of less width than the bottle, attached at one end only to a side of a bottle near the bottom and extending above the mouth thereof; the extending portion, after the bottle is filled and corked, is caused to bend down over the stopper by softening the strip at a suitable point by means of heat. The name of the proprietor or manufacturer, or the name of the preparation may be impressed on the strip instead of the bottle, and as the strip is destroyed when the bottle is opened, the bottle cannot be used again without detection.

In the accompanying drawing: Figure 1 is a perspective view of a bottle with the seal and label attached as it appears before opening. Fig. 2 is a front view of a bottle with the seal and label attached ready for filling. Fig. 3 is a side view of the same. Fig. 4 is a view similar to Fig. 3 with the seal bent over the mouth of the bottle. Fig. 5 is a perspective view of the seal and label before it is attached to the bottle. Fig. 6 is a perspective view of a seal and label used with round bottles. Fig. 7 is a detail view illustrating one way of attaching the seal and label to the bottle.

Similar numerals of reference indicate the same parts on all the figures.

The bottle 1 may be blown of any size or shape desired, to which is attached on one side and preferably near the bottom of the bottle, one end of a thin strip of glass 2 of less width than the bottle and extending from its point of attachment thereon close to or in contact with the body, shoulder and neck of the bottle, to a suitable distance

above its mouth. The glass strip 2 is preferably reduced in width where it lies against the neck, then enlarging above to form a circular end 3 which is intended to overlies the cork or other form of closure. The shape of the strip 2 however is not material, it may take the form of a narrow strip of equal width from end to end, or it may be made of a glass rod; the essence of the invention consists in fastening a detachable glass strip to a bottle on one side and extending it up the side and above its mouth.

The seal and label strip 2 is attached to the bottle at the time of manufacture and while in a soft condition, and may have impressed thereon such names, characters and devices as usually appear on the side of bottles. One form of attachment is represented in Fig. 7. When the bottle is molded a slight depression 4 is made in the side of the bottle in which the turned end 5 of the seal and label strip 2 is inserted. The bottle and strip being in a soft condition at the time, the parts will join very readily.

After the bottle has been filled and corked, the strip is softened by any suitable means, a blow pipe for instance, at the mouth of the bottle, and the upper end bent or turned over the cork as represented in Figs. 1 and 4. When the bottle is to be opened, the strip is broken off at or near its attachment to the bottle and thrown away, thereby destroying the identity of the bottle and preventing it from being refilled and sold as an original preparation.

To enable the strip 2 to be separated from the bottle without leaving jagged and sharp edges which would be a serious menace to the hands of the person holding the bottle, a notch 6 is cut in the under side of the label close to the bottle as shown in Fig. 4, by any suitable tool, after the bottle has been filled and sealed, to weaken the strip at that point so that when broken off a clean smooth surface will remain without any sharp edges projecting from the side of the bottle.

For round bottles, the labels will be curved concentric with the bottle as in Fig. 6 until it reaches the neck of the bottle which with the seal will be flat. The curved labels if attached for their full width to the bottle would, from their shape be difficult to break off, so to overcome this difficulty a narrow projection 7 is formed on the bottom of the

label which is attached to the bottle in the manner heretofore described.

Having thus described the invention what is claimed is:—

5 1. A bottle having a seal consisting of a thin broad strip of glass attached at one end by a weakened joint to the side of a bottle near the bottom and extending above the mouth of the same, a space being left between
10 the strip and the bottle throughout its length.

2. A bottle having a seal consisting of a thin broad strip of glass welded to the side of a bottle near its bottom and extending upward to a point above the mouth of said
15 bottle following the contour of the bottle, but separated from it by an air space, said strip being weakened at its point of attachment to

insure removal of the entire strip when the bottle is unsealed.

3. A bottle having a seal consisting of a 20 thin strip of glass bent at its lower end and welded to the side of a bottle near its bottom and separated from said side by an air space and having a notch made across the welded joint to form a breaking point, the upper end 25 of said strip extending above the mouth of the bottle.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HERBERT E. ERWIN.

Witnesses:

A. D. THOMPSON,
VIRGIL McLEAN.