

(No Model.)

C. M. HANSON.

BOTTLE STOPPER.

No. 342,089.

Patented May 18, 1886.

Fig 1

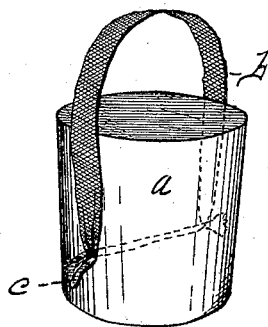


Fig 2

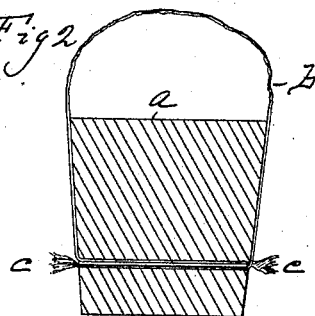
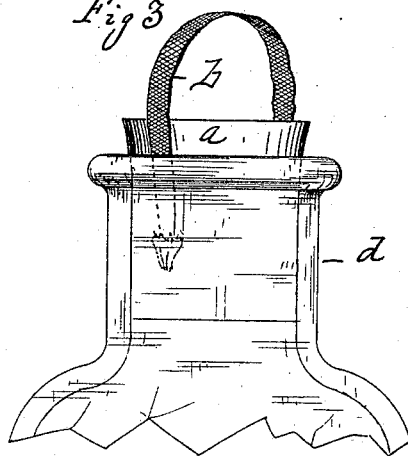


Fig 3



Witnesses.

G. M. Chamberlain.
W. E. Holt

Inventor

Charles M. Hanson
By Chopin & Co
Attys

UNITED STATES PATENT OFFICE.

CHARLES M. HANSON, OF THORNDIKE, MASSACHUSETTS, ASSIGNOR OF
TWO-THIRDS TO ROSCOE S. MILLIKEN AND MARTIN M. THOMAS, BOTH
OF SAME PLACE.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 342,089, dated May 18, 1886.

Application filed February 20, 1886. Serial No. 192,626. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. HANSON, a citizen of the United States, residing at Thorndike, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Bottle-Stoppers, of which the following is a specification.

This invention relates to improvements in bottle-stoppers, the object being to provide for elastic stoppers—such as cork, rubber, &c.—an improved soft and flexible attachment, which is permanently connected thereto, and serves as a means for extracting the stopper from a bottle.

In the drawings forming part of this specification, Figure 1 is a perspective view of a bottle-stopper constructed according to my invention. Fig. 2 is a vertical section of Fig. 1, and Fig. 3 is a side elevation of the neck of a bottle having therein a stopper embodying my improvements.

In the drawings, *a* is a bottle-stopper, of cork, rubber, or other similar material of such nature as is capable of being punctured, for the purpose hereinafter set forth.

An extracting-strap, *b*, of textile material, leather, or other yielding substance, is attached to the stopper *a*, as follows, and extends in a loop form above one end thereof. With the assistance of a suitable needle or other implement capable of puncturing said stopper transversely at any convenient point between its ends the two ends *c* of said strap *b* are drawn through the stopper from side to side thereof, in opposite directions, and left projecting more or less beyond the latter, as shown in the drawings. It is preferable, however, that the said ends of the strap *b* be secured in the stopper at such a place thereon as shall cause them to be brought between the latter and the neck of the bottle when the stopper is inserted therein, as shown in Fig. 3. The ends of said extracting-strap, when drawn through the stopper in the manner stated, adhere very strongly to the latter, and it is very difficult to draw them out by pulling on the loop of the strap;

but when the stopper is put in the neck *d* of the bottle the ends *c* of the strap are turned upward and tightly compressed between the sides of the stopper and the neck of the bottle, and the ends of the strap cannot slip in the stopper under any strain, and by inserting the finger or fingers in said loop and pulling, the stopper is drawn out. Said stopper having said extracting-strap attached thereto, as set forth, is adapted to be used in bottles containing corrosive substances without danger of impairing the efficiency of the strap for the purpose stated, for the end of the stopper below the point where the ends of the strap pass through it fits sufficiently tight in the neck of the bottle to prevent the contents of the latter from coming in contact with the strap, and, furthermore, said extracting-strap presents the advantages of offering no obstacle to enveloping the bottle in an ordinary paper wrapper, and for bottles containing fancy articles the said strap may be made of colored textile material. If desired, said strap may be made of brass or other similar soft metal and attached to the stopper in the manner above set forth, in which case the said loop above the stopper would maintain generally the form shown in Figs. 1 and 3.

What I claim as my invention is—

1. A stopper for a bottle or similar vessel, consisting of cork or analogous material, having an extracting-strap attached thereto by passing the ends of the latter transversely through said stopper in opposite directions, substantially as set forth.

2. A stopper for a bottle or similar vessel, consisting of cork or analogous material, having an extracting-strap attached thereto by passing the ends thereof transversely through said stopper in opposite directions, said ends being left projecting beyond the sides of the stopper, substantially as set forth.

CHARLES M. HANSON.

Witnesses:

WM. H. CHAPIN,
G. M. CHAMBERLAIN.