

(No Model.)

G. H. WETZEL.
STOPPER FASTENER.

No. 363,870.

Patented May 31, 1887.

Fig. 1.

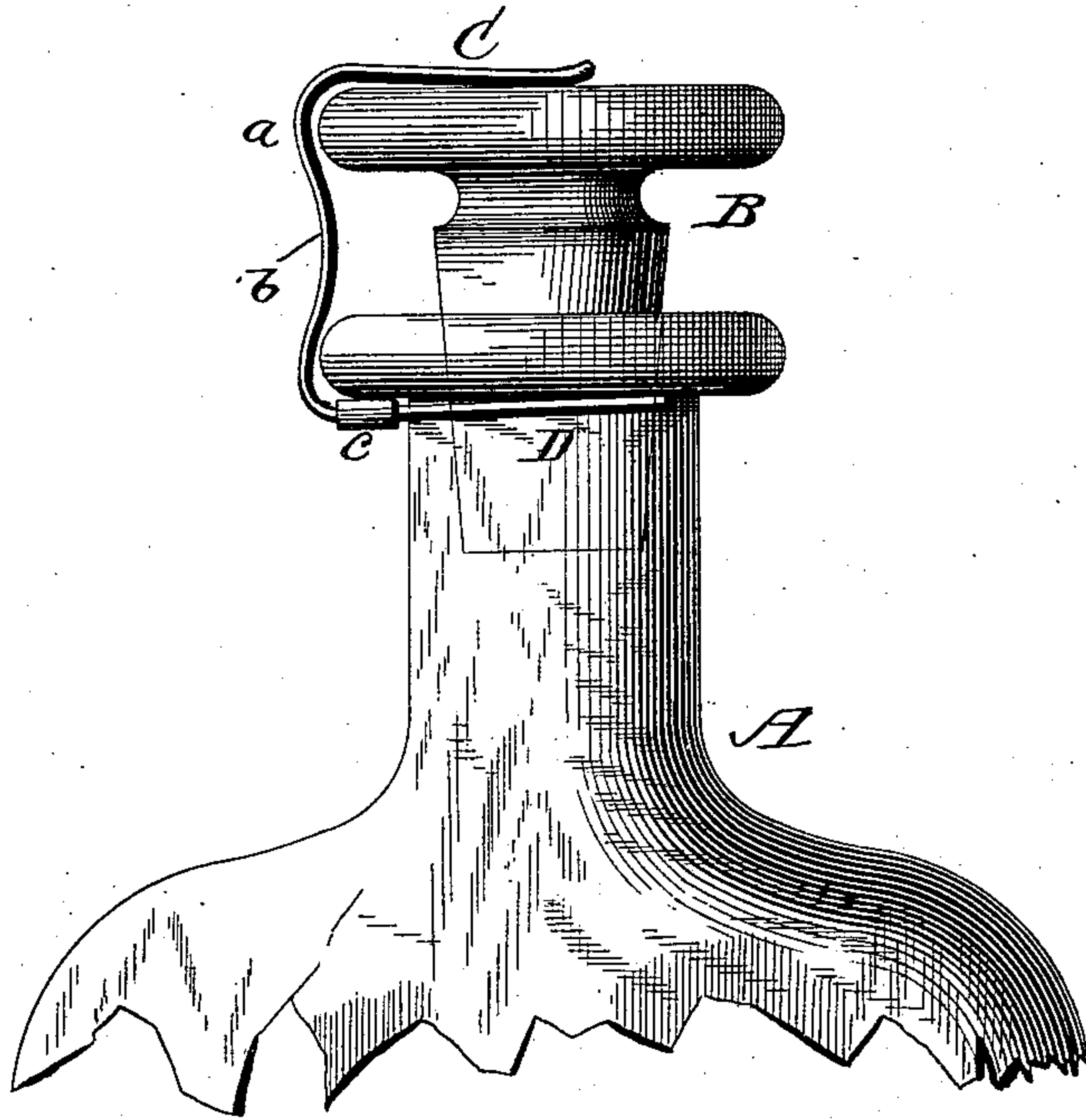
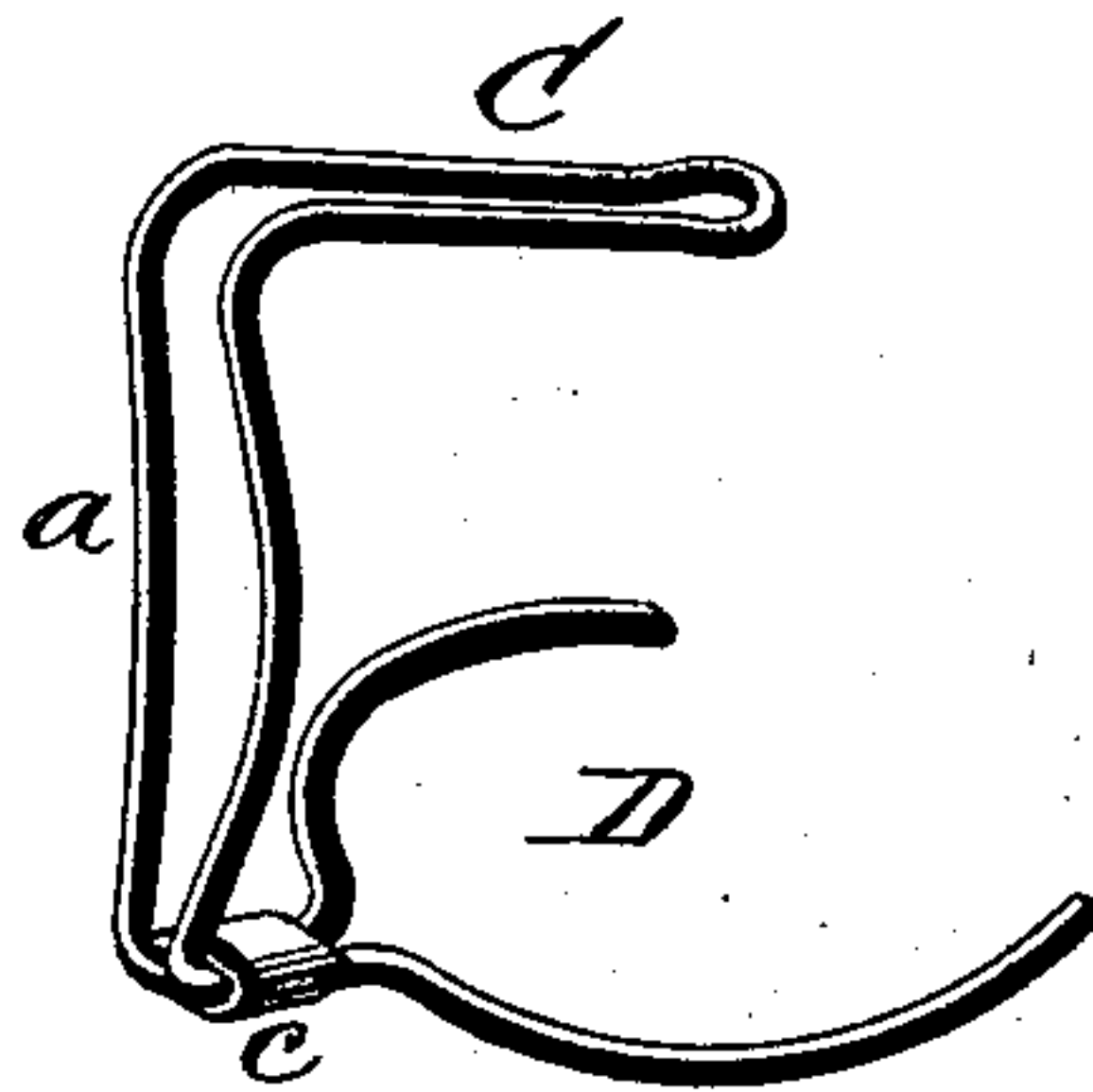


Fig. 2.



Witnesses

G. S. Elliott
L. L. Miller.

Inventor

George H. Wetzel.

By his Attorney

Chas. H. Fowler

UNITED STATES PATENT OFFICE.

GEORGE H. WETZEL, OF LANCASTER, OHIO.

STOPPER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 363,870, dated May 31, 1887.

Application filed April 5, 1887. Serial No. 233,763. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. WETZEL, a citizen of the United States, residing at Lancaster, in the county of Fairfield and State of Ohio, have invented certain new and useful Improvements in Bottle-Stopper Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a side elevation of my improved bottle-stopper fastener, showing its application to a bottle; and Fig. 2, a perspective view of the fastener.

The present invention has relation to that class of bottle-stopper fasteners especially adapted for druggists' use, the fastener being detachable from the bottle when removing the cork. Previous to my invention it was common to construct these fasteners of sheet metal, the fastener consisting of a yoke to embrace the neck of the bottle and a retaining-arm to extend over and against the upper side of the stopper, whereby the stopper cannot be removed without first removing the fastener.

The object of the invention is to improve the construction of this class of bottle-stopper fasteners whereby they will be rendered more effective, not as liable to cut or injure the fingers when removing them, and one which is especially adapted to fastening rubber or cork stoppers, which objects I attain by constructing such device of a single piece of spring-wire bent into the shape shown in the drawings, and hereinafter described and claimed.

In the accompanying drawings, A represents a bottle with the usual glass stopper, B, the upper portion of the bottle only being shown sufficient to illustrate the application of my invention. Instead of constructing the fastener of sheet metal, as heretofore, I take a sin-

gle piece of spring-wire of suitable length and bend it double, as shown, to form a retaining-arm, C, said arm extending horizontally, so as to overlap and bear down on the stopper, as shown. The wire is then bent downward to form a connecting-shank, *a*, which is bent inwardly, as shown at *b*, Fig. 1, so as to form a hollow for the thumb when pressing the fastener in place. The extremities of the wire are bent so as to form a yoke, D, to embrace the neck of the bottle, as shown, and between the lower end of the shank *a* and yoke is a clasp, *c*, secured around the wire, so as to prevent the wire of the shank from expanding.

A fastener formed of wire, as above set forth, possesses greater strength than sheet metal, can be manufactured at a less cost, and is not liable to get out of shape and lose its effect as a fastener, and when used with a cork or rubber stopper, the wire being round, will embed itself in the surface thereof and when quickly removing the fastener there are no sharp edges to cut or injure the fingers.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A bottle-stopper fastener constructed of a single piece of wire, the same being bent double to form a retaining-arm for the stopper, and having a yoke to embrace the neck of the bottle, and between said arm or yoke a shank bent inwardly to form a thumb-rest, the wire being connected by a suitable clasp between the yoke and shank, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEO. H. WETZEL.

Witnesses:

T. E. BILLINGHURST,
GEO. C. MAYER.