E. COLE.

Bung-Fastener.

No. 202,996. Patented April 30, 1878.

Fig. 1.

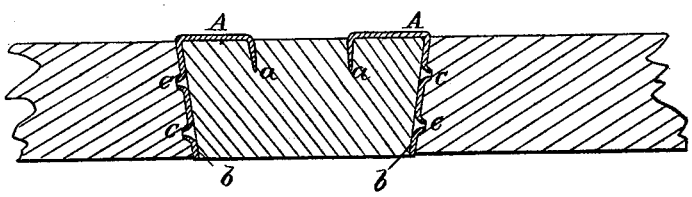
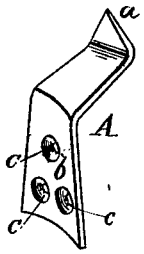


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

EMERSON COLE, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN BUNG-FASTENERS.

Specification forming part of Letters Patent No. **202,996**, dated April 30, 1878; application filed March 25, 1878.

To all whom it may concern:

Be it known that I, EMERSON COLE, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Bung-Fastener, of which the following is a specification:

Figure 1 is a transverse section of a bung having my improved fastener applied. Fig. 2 is a detail perspective view.

The object of my invention is to provide a simple and effective fastener for securing bungs in barrels, and for other similar purposes; and it consists in a tapering pointed strip of sheet metal, having near its wider end burrs, which enter the sides of the bung-hole as the bung is driven in with the fastener between it and the side of the hole. The fastener is also made in convenient form to bend over the bung after it is driven in.

Similar letters of reference indicate corresponding parts.

In the drawing, A is a strip of metal, which is wider at one end than it is at the other, and is pointed at its narrower end, and bent forward at a right angle to form a spur, *a*, for entering the bung. The face *b* is slightly concaved to adapt it to the curvature of the bung; and a number of burrs, *c*, are formed on the back of the strip in the operation of stamping. The strip thus formed is bent backward at or near its middle, to bring the spur *a* in line with the face *b* to facilitate the driving of the bung.

The fasteners are used by placing the burred end in the bung-hole, with the burrs against the edge of the staves, and driving the bung in the usual way. The projecting ends are then bent over on the bung, and the spurs *a* are driven in.

Two fasteners will be commonly employed; but more may be used. In some cases a strip without the spur may be used, when the free ends of the fasteners will be merely bent down over the bung.

The tapering form of the strip causes the edges to wedge as the bung is driven, thus insuring a perfect joint at the edges of the fastener.

It is obvious that the form and proportions of the fastener may be varied, and also that a flat wire having a spur on one or both ends may be employed to fasten the bung. Therefore I do not confine myself to the exact construction herein shown and described.

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

A bung-fastener consisting of a tapering strip of sheet metal, provided with a spur at one end and burrs upon one side, as shown and described.

EMERSON COLE.

Witnesses:
GEO. M. HOPKINS,
C. SEDGWICK.