

J. F. DONKIN.
Oil-Can Stoppers.

No. 152,980.

Patented July 14, 1874.

Fig. 1.

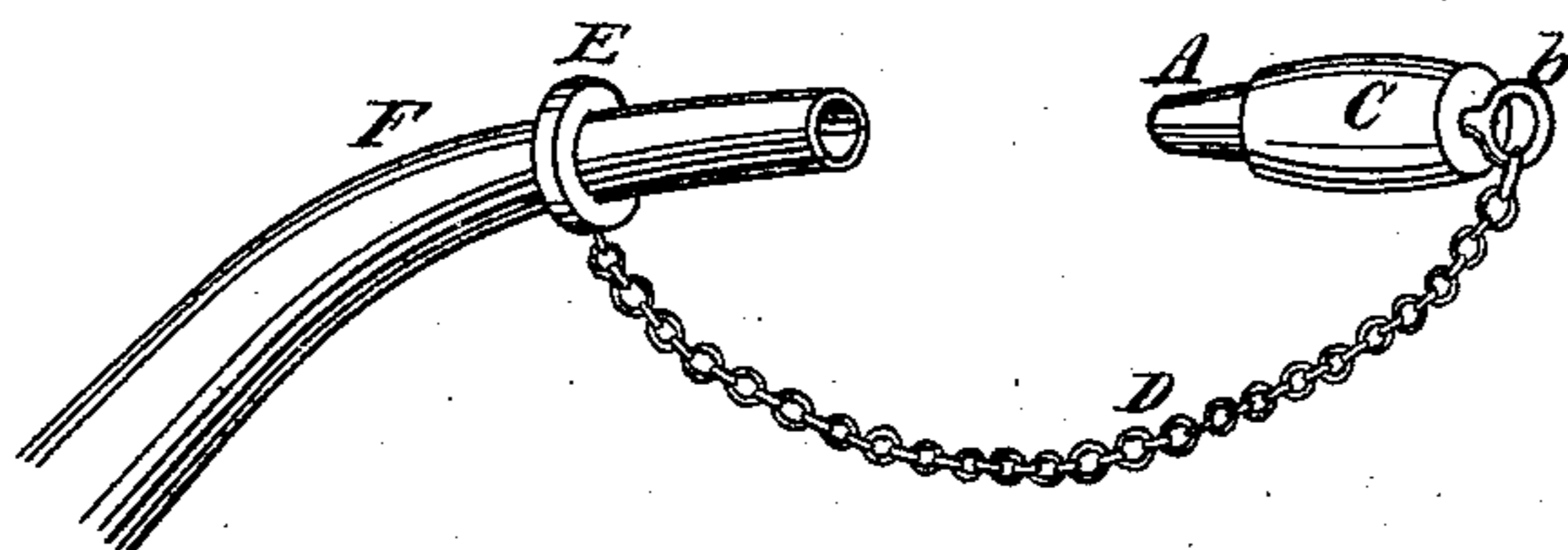
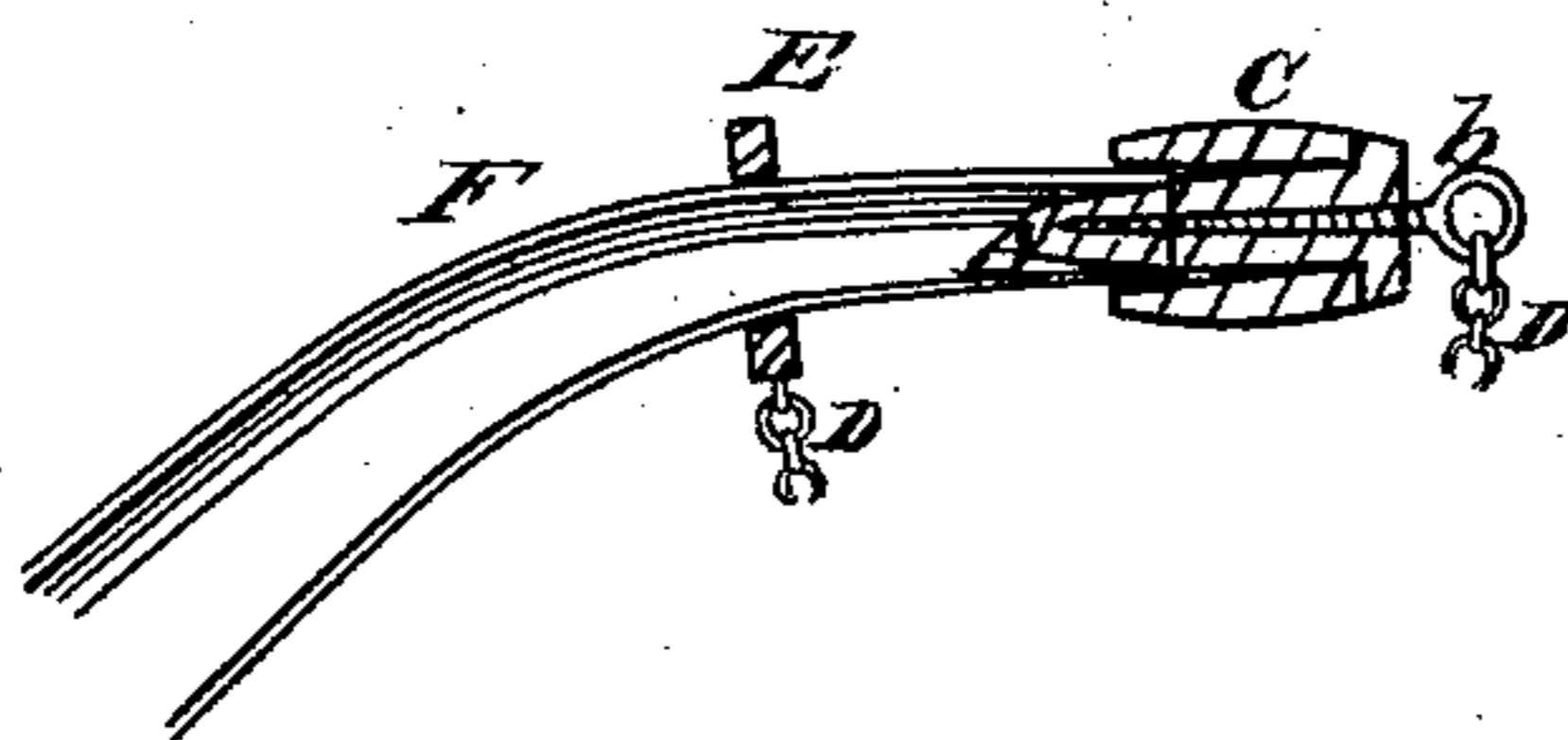


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH F. DONKIN, OF GRAYSON, CALIFORNIA.

IMPROVEMENT IN OIL-CAN STOPPERS.

Specification forming part of Letters Patent No. **152,980**, dated July 14, 1874; application filed March 24, 1874.

To all whom it may concern:

Be it known that I, JOSEPH F. DONKIN, of Grayson, Stanislaus county, State of California, have invented a Stopper for the Nozzles of Coal-Oil Cans and other Vessels; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention without further invention or experiment.

My invention relates to an improved device which is intended to be used for closing the nozzles of cans for liquids; and it consists in the use of a double elastic stopper, the inner portion of which is stiffened and enters the nozzle, while the outer portion passes over the outside of the nozzle. This stopper is connected with or attached to the nozzle by means of a chain and an adjustable elastic ring, which holds it firmly wherever it may be placed.

Referring to the accompanying drawing, Figure 1 is a view of my stopper and its ring. Fig. 2 is a view showing its attachment to a nozzle or spout.

A is the inner part of my stopper, which is made tapering, and is provided with a screw or pin, *b*, which extends through, or nearly through, it, for the purpose of stiffening it so that it will enter the nozzle readily. The outer part of my stopper consists of a cylinder,

c, which may be formed at the same time with the inner portion; or it may be made separately, and afterward secured to it. The construction of the inner tapering plug with its surrounding cylinder forms a space between them, into which the nozzle fits, as shown in Fig. 2, and this effectually prevents any leakage.

In order to secure this stopper to this nozzle in such a manner as to make it removable if desired, I attach a short chain, *D*, to a ring or loop formed at the end of the pin *b*, and this chain has an elastic ring, *E*, at the other end, which clasps the nozzle *F* firmly enough to retain it where it may be placed. By this arrangement I am enabled to effectually close the discharge-nozzles of cans, and at the same time secure the stopper so that it cannot be lost.

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

The elastic stopper consisting of the inner plug *A*, with its strengthening-rod *b* and the outer inclosing part *c*, constructed to operate substantially as and for the purpose herein described.

In witness whereof I hereunto set my hand and seal.

JOSEPH FOSTER DONKIN. [L.S.]

Witnesses:

J. H. TERRY,
A. E. FIN