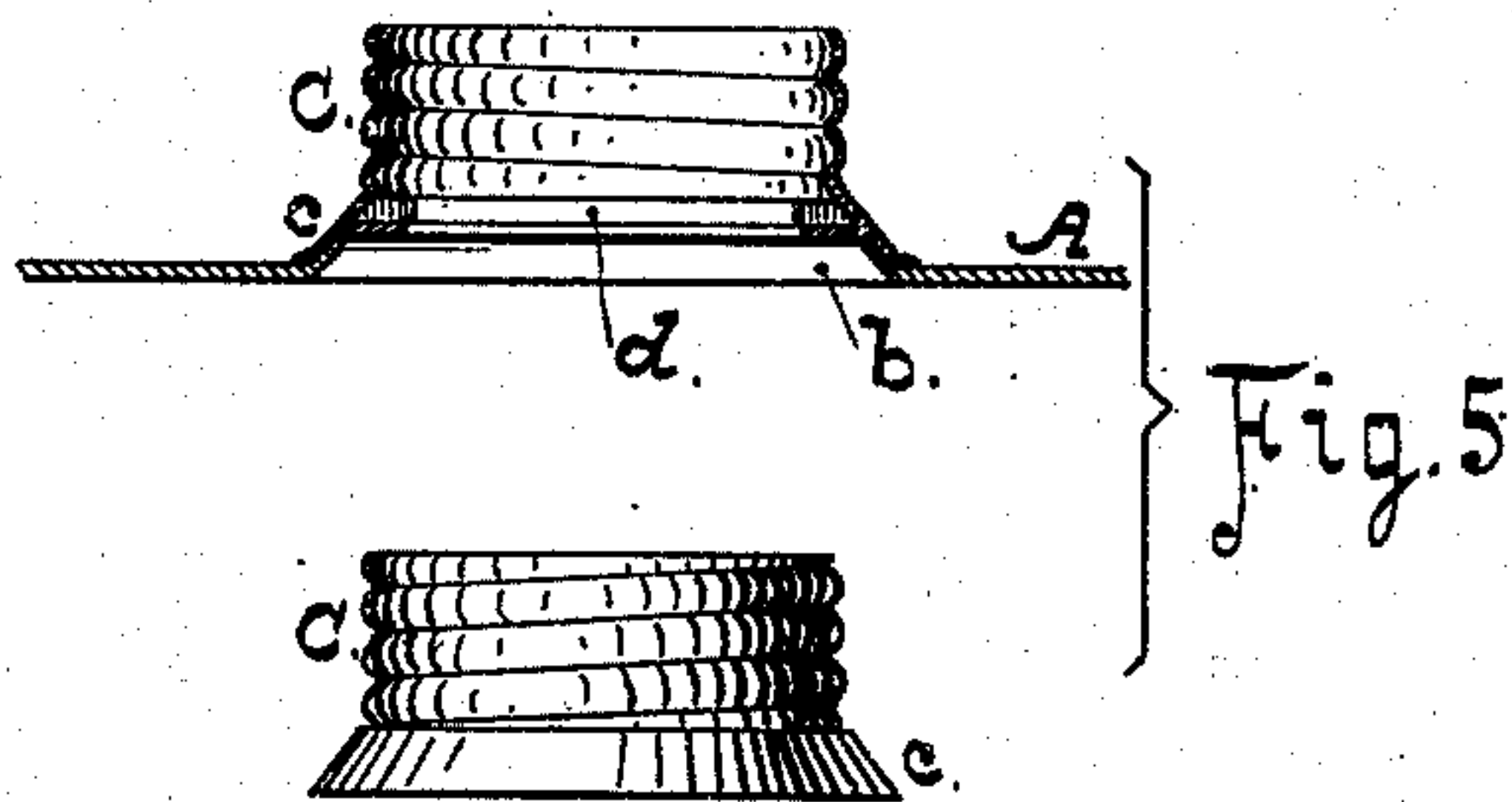
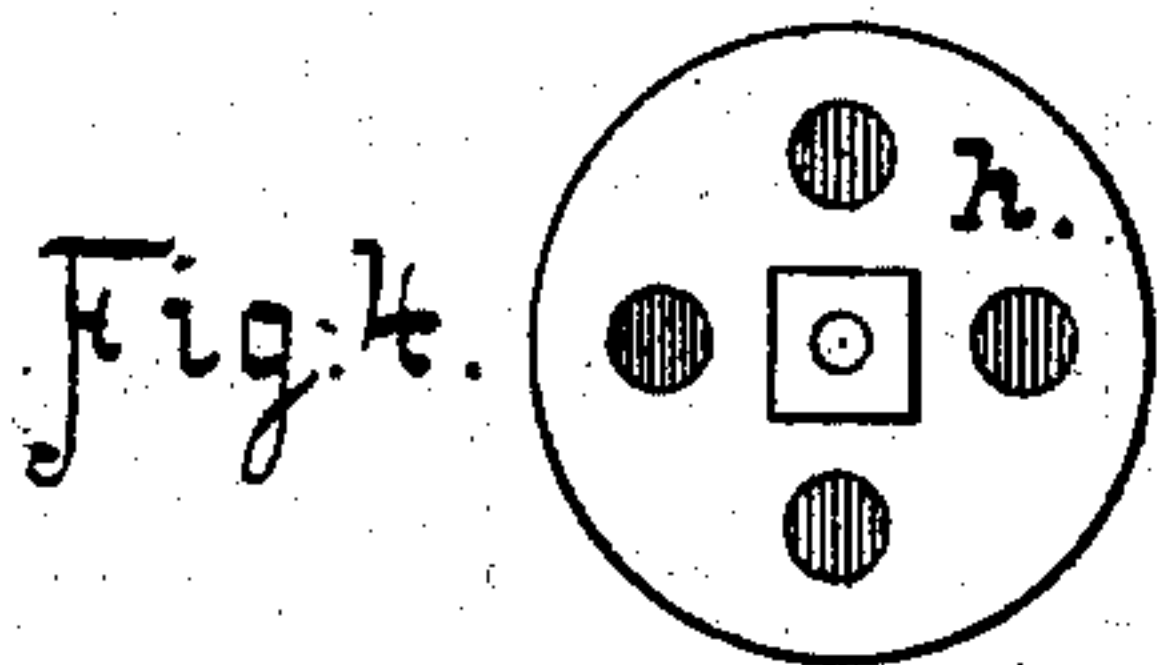
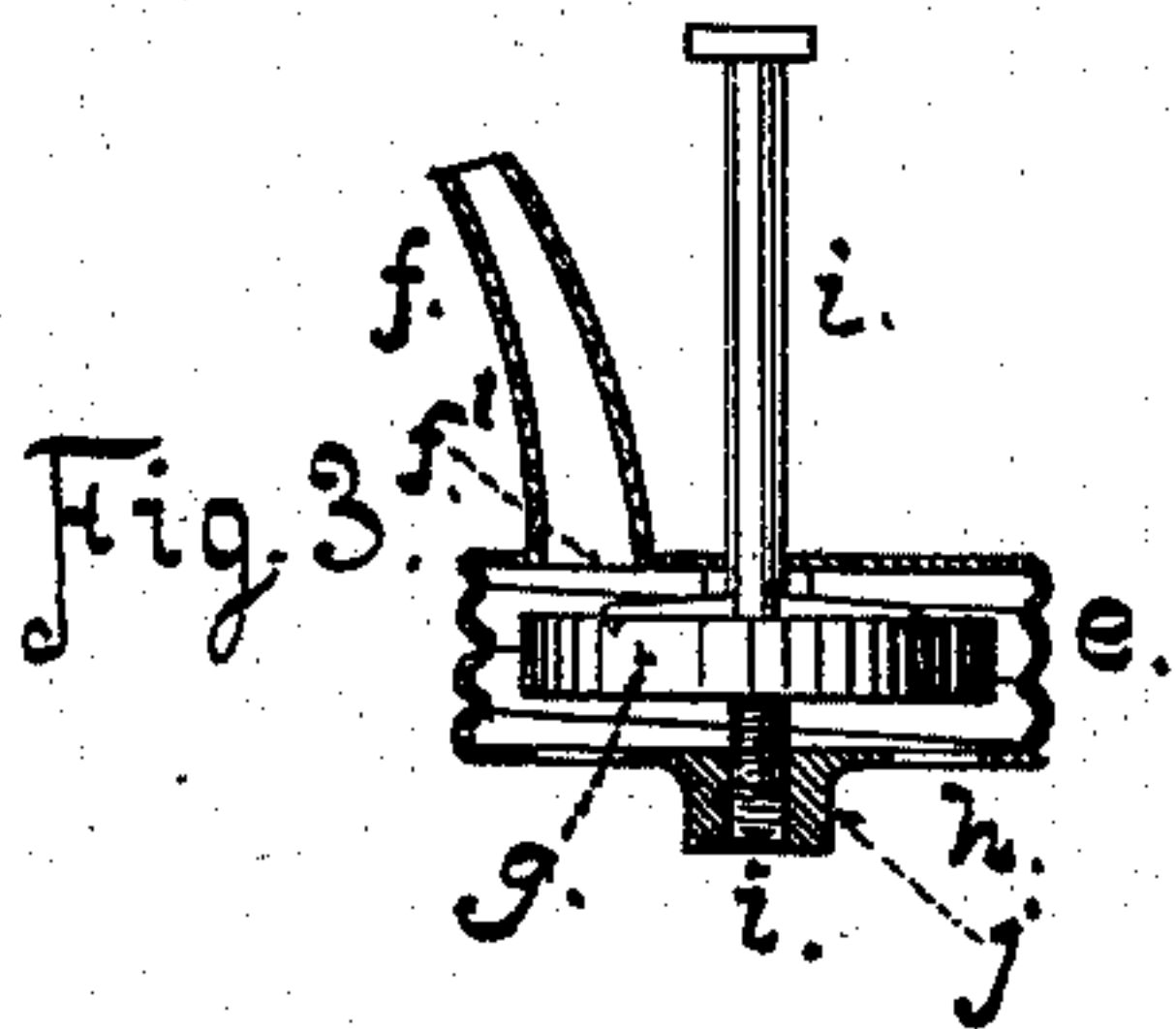
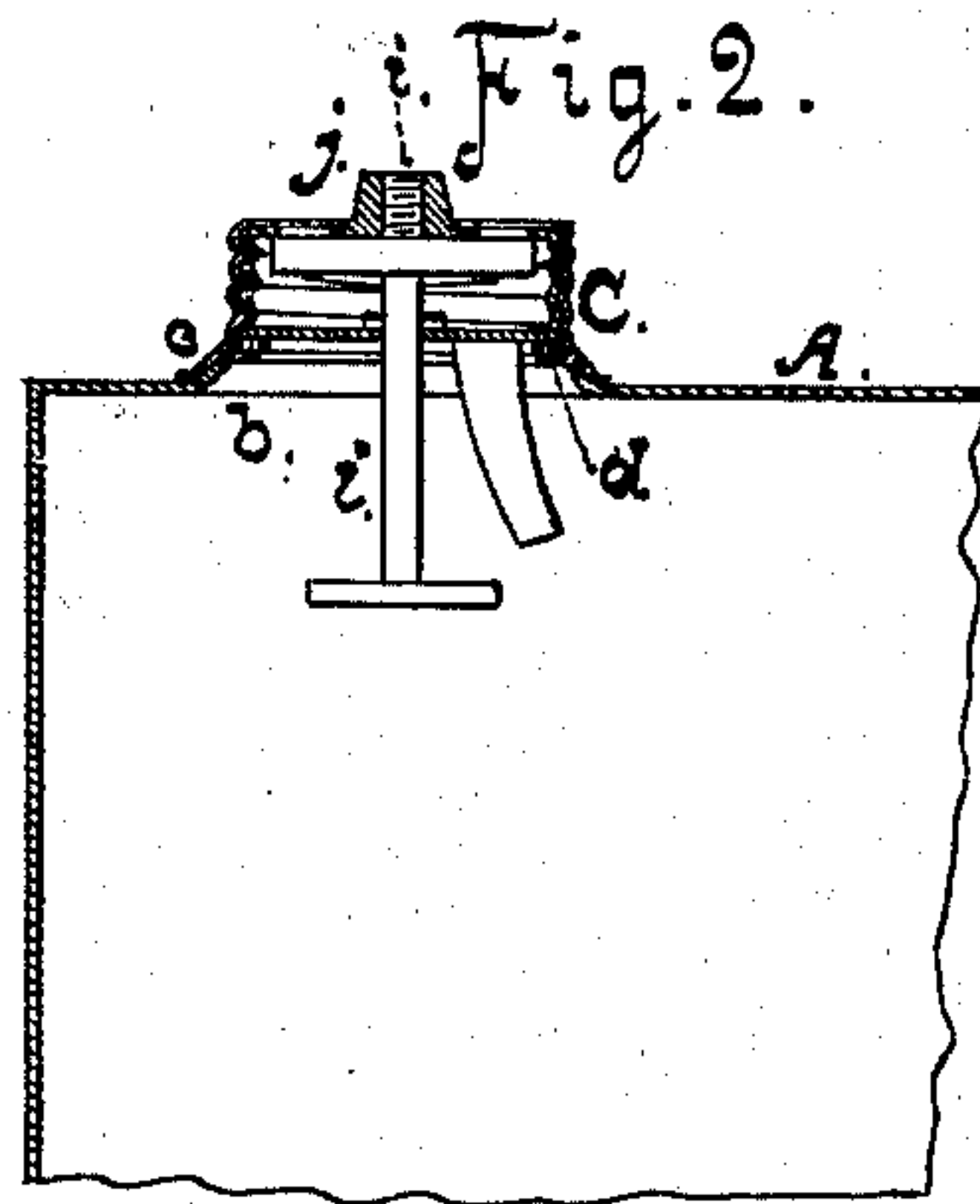
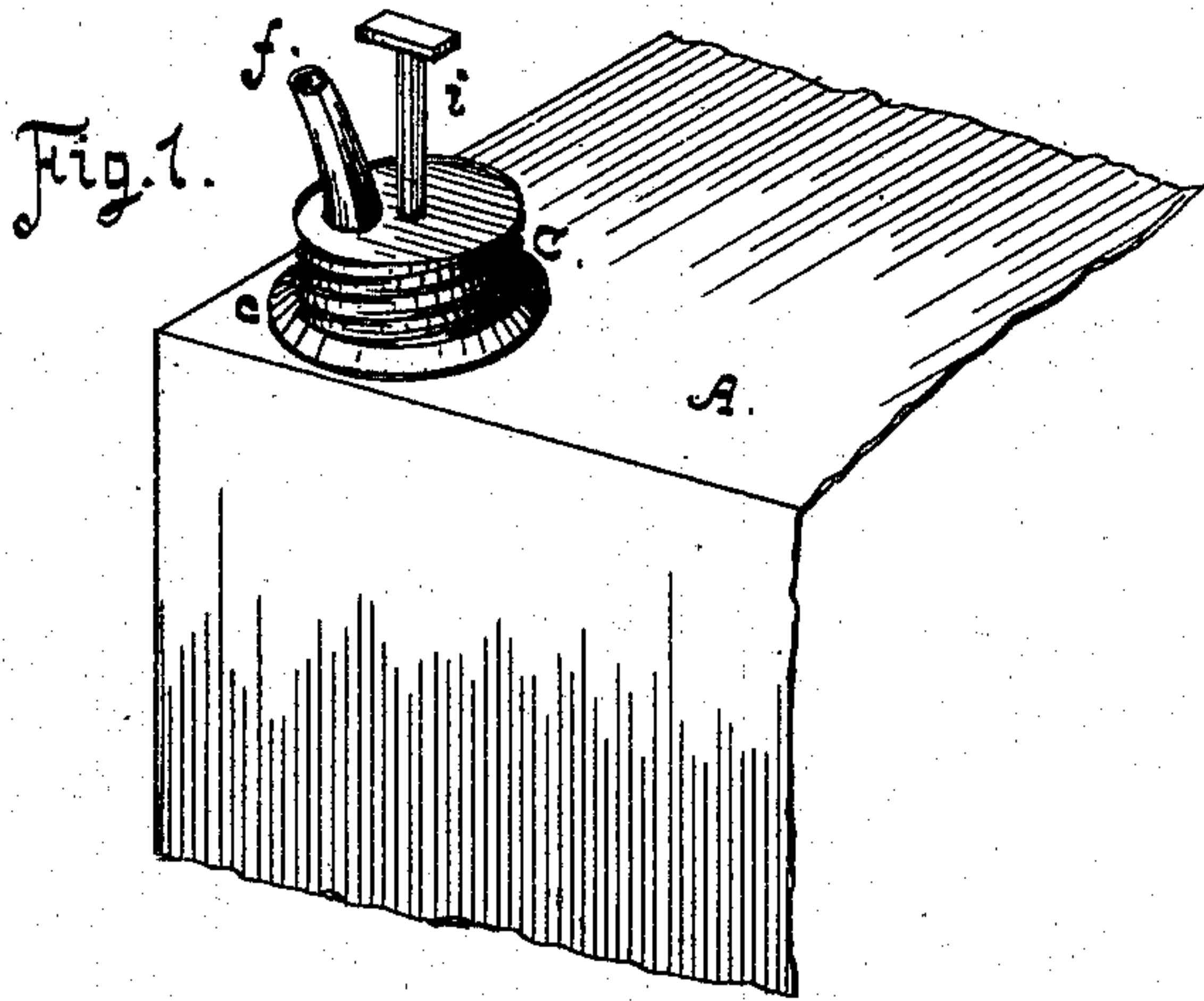


(No Model.)

J. MARSHALL.  
FAUCET FOR SHIPPING CANS.

No. 249,195.

Patented Nov. 8, 1881.



Witnesses:

*Wm. Voigt*  
*Wm. F. Black*

Inventor:

*John Marshall*  
By his Attys., *Dove & Osborn*



# UNITED STATES PATENT OFFICE.

JOHN MARSHALL, OF SAN FRANCISCO, CALIFORNIA.

## FAUCET FOR SHIPPING-CANS.

SPECIFICATION forming part of Letters Patent No. 249,195, dated November 8, 1881.

Application filed April 2, 1881. (No model.)

*To all whom it may concern :*

Be it known that I, JOHN MARSHALL, of the city and county of San Francisco, in the State of California, have made and invented a new and useful Improvement in Faucets for Shipping-Cans; and I do hereby declare that the following is a full, clear, and exact description of my said invention, reference being had to the accompanying drawings.

My invention relates to an improvement in spouts or faucets for cans and cases in which oils and other liquids are put up for shipment and use.

As hereinafter more particularly described, my improvement consists of a spout or faucet attachment of novel construction and application, which in one position serves as a plug or bung for tightly closing the case when in store or during transportation, and by simply reversing its position it is made to serve as a faucet for drawing off the contents of the case as required for use. In the first-named position the parts of the faucet are held within and protected by the case, so that an attachment of this kind to serve as a faucet can be cheaply and readily supplied with each case, and the contents can be readily drawn from the original package by the consumer.

In the accompanying drawings, Figure 1 shows my improved faucet attachment as applied to and ready for use upon a can or case of the kind in which oils are put up. Fig. 2 shows the attachment when used as a plug to close the outlet of the case during transportation. Figs. 3 and 4 are detail views of the construction of the faucet. Fig. 5 shows the screw neck or rim, which is fixed on the case around the bung-hole or outlet-aperture to receive the faucet attachment.

A represents the top of an oil-case or similar receptacle, of any shape, having an outlet, *b*, for drawing off the contents. Around this opening I form a neck by soldering or otherwise fixing to the top a rim or short cylinder, *C*, provided with a screw-thread on its interior. The simplest mode of making this rim is to spin up the screw-thread on its periphery, and then turn a flange, *c*, on one end, by which to secure it to the case. This rim should be somewhat larger than the aperture *b*, so that when placed around it there will be left suffi-

cient metal around the opening within the rim to form a flange or shoulder to receive a washer, *d*, for a packing.

The faucet proper consists of a body, *e*, a spout, *f*, and a valve, *g*, within the body and operated from the outside. The faucet-body *e*, as shown in the drawings, is made of a short cylinder, with a screw-thread on its outside circumference to fit within the neck or rim *C*, and with a closed top or solid at one end. The other or bottom end of this body *e* is closed by a plate, *h*, having several openings in it, upon which the disk-valve *g* rests and acts to close the apertures. The disk is fixed on a spindle, *i*, that works through the top of the faucet-body, and is turned by a bead or handle on the upper end. The opposite end of the spindle is screw-threaded, and works in a nut or bearing, *j*, provided on the lower plate, *h*, so that by the rotation of the spindle the disk *g* is raised from or is pressed down against the plate *h* inside of the body. The disk is made of less diameter than the cylindrical body *e*, so that when raised from the openings in the plate there shall be sufficient space left around the disk for the escape of the liquid from the faucet-body up through the spout *f*.

A simple and effective valve-disk, *g*, can be made from a piece of cork cut to the proper size and fixed on the spindle *i*. The lower surface of this cork disk will always wear smoothly against the face of the plate *h*, and thus preserve a close and tight joint when the two are pressed together by the rotation of the spindle.

Over an opening, *f'*, in the top of the faucet is fixed the spout, through which the contents of the can are drawn off. Now, as the faucet is screwed down into the neck or rim *C* it presses down against the washer or packing *d*, and no escape of the contents of the case is possible, except through the regular outlet of the spout.

While the case is kept in store or when it is to be shipped the faucet is designed to be screwed into the rim *C* in a reversed position, so that the spout and valve-spindle will be turned down into the neck and through the aperture *b*, and thus be entirely inclosed within the neck and body of the case. The faucet-body *e* then serves as a screw-plug to tightly close the outlet, and in this position there is no



part of the faucet left to project above the neck or rim, nor can the faucet be opened or tampered with during handling or transportation.

To insert and remove the faucet while used in those two positions, I provide a small projection on the top of the plate *h* to receive a wrench or key, by which to turn the cylindrical body into and out of the neck *C*. In the construction herein shown the bearing provided for the end of the spindle *h* is made to serve the desired purpose of permitting the use of a wrench; but any other arrangement for turning the faucet-body can be fixed on the closed end or plate *h*.

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

1. A spout or faucet for shipping-cans and other packages to contain liquids, consisting of a screw-threaded plug or bung, *e*, with one end closed, and openings provided in its other end or head, which are controlled by a valve within the body of the faucet, a spindle projecting through the closed end and having the valve attached to it, and an outlet-opening in the said closed end having a spout leading therefrom, the said body *e* being adapted to fit and screw into a fixed neck or rim, *C*, provided

on the can around its outlet, and to be applied thereto either in an upright or a reversed position, substantially as herein described, for the purpose set forth.

2. The herein-described spout or faucet attachment for shipping-cans and other packages, consisting of the ring *C*, screw-threaded on its interior, which is adapted to be fixed to the case around its outlet, having a shoulder, *d*, within the rim *C*, and the cylindrical plug or bung *e*, screw-threaded on its periphery, with a cavity or chamber to contain a disk-valve, *g*, which is attached to a spindle, *i*, having one end screw-threaded to work in a nut or screw bearing in one end or head of the plug, and the other end projecting through the opposite head of the plug, one or more openings in the head *h*, and an outlet, *f'*, in the opposite head, and a spout, *f*, leading therefrom, the said valve *g* being raised or pressed against the head *h* by means of the spindle, all substantially as herein described.

In witness that I claim the foregoing I have hereunto set my hand and seal.

JOHN MARSHALL. [L. S.]

Witnesses:

EDWARD E. OSBORN,  
W. F. CLARK.