(No Model.)

J. O'NEILL.

CAN SPOUT.

No. 440,052. Patented Nov. 4, 1890.

Fig. 1.

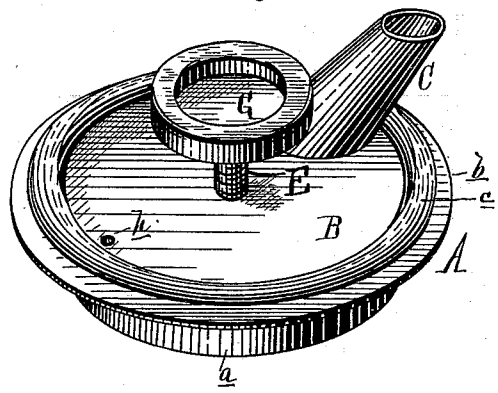
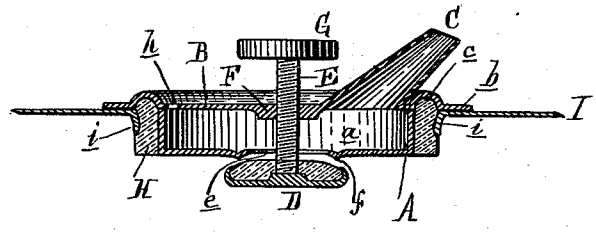


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN O'NEILL, OF CLEVELAND, OHIO, ASSIGNOR TO WILLIAM E. JONES, OF SAME PLACE.

CAN-SPOUT.

SPECIFICATION forming part of Letters Patent No. 440,052, dated November 4, 1890.

Application filed November 21, 1889. Serial No. 331,136. (No model.)

To all whom it may concern:

Be it known that I, JOHN O'NEILL, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Can-Spouts, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in the construction and application of can faucets and spouts.

The invention has for its object the construction of a spout or nozzle that can be readily secured in the can or vessel without the use of solder, and yet form a perfectly-tight joint between the parts.

The invention consists in the peculiar construction and arrangement of the parts whereby the object of the invention is attained, all as more fully hereinafter set forth and claimed.

Figure 1 is a perspective view of my improved device. Fig. 2 is a central vertical section through the same as secured in the top plate of a can or vessel.

In the accompanying drawings, which form a part of this specification, A represents the body of my improved device. This body I preferably strike up from a piece of sheet metal in such a manner as to form the well *a*, provided with the flange *b*, such flange having a groove or channel *c* formed in its lower face and in close proximity to the vertical walls of the well *a*.

B is a top plate secured in the mouth of the well *a*, entirely closing the same, except as hereinafter described, and C is a spout or nozzle secured to said top plate and which communicates with the chamber or well *a* between such top plate and the bottom of the well.

In the bottom of the well is formed a circular opening *e*, which is surrounded by the downwardly-projecting rib *f*, which forms a seat for the stopper-valve D, secured to the lower end of the threaded stem E. This stem passes through a threaded nut F, secured to the under side of the top plate B, and has secured to its upper end a proper disk G, by means of which the valve may be operated. A vent *h* is made through the top plate B to communicate with the chamber or well *a*.

H represents an annular ring of cork or other suitable material, and which encircles the outer wall of the well *a*, as shown in Fig. 2.

I represents the top of a tin or sheet-metal can, in which is formed a suitable circular opening, and which is provided with a downwardly-projecting flange *i*, the opening at the inner edge of such flange being somewhat contracted.

In practice, the parts being constructed and arranged substantially as described, the well or depending portion of the device is inserted in the can-opening and pushed down until the flange *b* rests upon the can-top. By so doing the annular cork ring is tightly compressed between the flange *i* and the outer wall of the well *a*, while a portion of the cork is also forced up into the groove *c*. This forms a thoroughly liquid and air tight joint between the parts, and after the cork has become swollen by the contents of the can the device can not be removed without partially or wholly destroying the cork ring. By this construction it will readily be seen that it is not necessary to solder the flange *b* to the can-top.

While I have described and shown this device more particularly as a faucet, it is my intention to manufacture the same without the screw-closing valve, and there are various changes in minor detail which the invention may take on and still be within the spirit of my invention.

What I claim as my invention is—

1. In a device of the character described, the combination of the body A, provided with the grooved flange *b*, a spout C, adapted to communicate through the bottom of the body A with the interior of the can, and an annular ring of cork H, encircling the depending portion of the body A, adapted to engage with the flange *i* of the can I, substantially as described.

2. In a device of the character described, the combination of the body A, provided with the grooved flange *b*, a top plate provided with a vent *h*, and carrying a spout C, com-

municating with the well *a* between such top plate and the bottom of said well, an annular ring of cork H, and a can or vessel I, provided with the flange *i*, adapted to receive the body A and compress the cork ring, substantially as and for the purpose described.

3. In a device of the character described, the combination of the body A, provided with the grooved flange *b*, a top plate B, provided with a vent *h*, and carrying a spout C, communicating with the well *a* between such top plate and the bottom of the said well *a*, an annular ring of cork H, and a can or vessel I, provided with the flange *i*, to engage the flange *b* and the cork ring, substantially as and for the purposes set forth.

4. In a faucet for liquid-holding cans or vessels, the combination of the body A, provided with a well *a* and the grooved flange *b*, a vented top plate B, carrying a spout C, a threaded valve-stem E, carrying a valve F, and an annular cork ring H encircling the outer vertical wall of the well *a*, the parts being constructed, arranged, and operating substantially in the manner and for the purpose specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 19th day of October, 1889.

JOHN O'NEILL.

Witnesses:
H. S. SPRAGUE,
HENRY H. JOHNSON.