

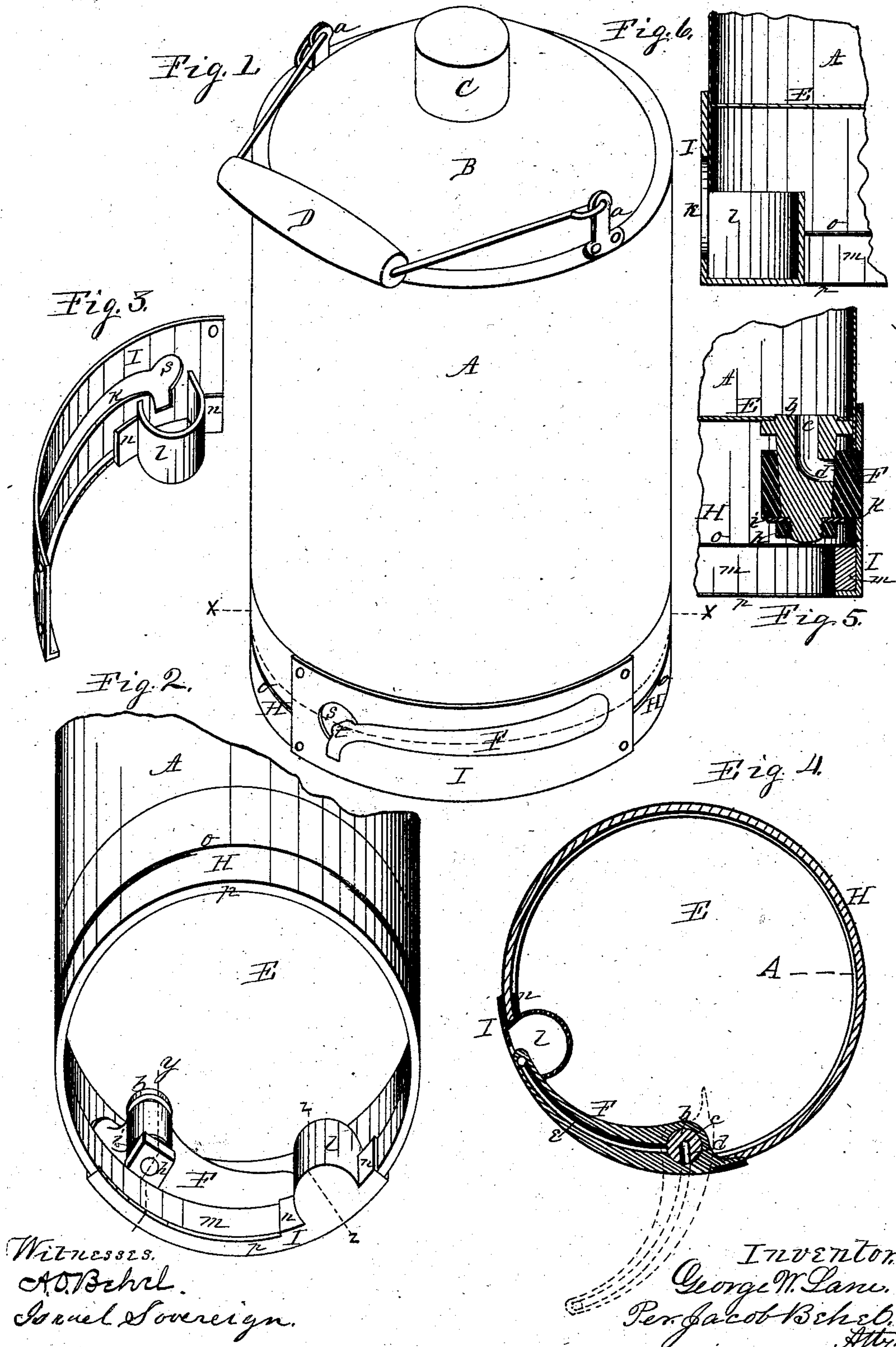
(No Model.)

G. W. LANE.

CAN.

No. 290,068.

Patented Dec. 11, 1883.



UNITED STATES PATENT OFFICE.

GEORGE W. LANE, OF ROCKFORD, ILLINOIS.

CAN.

SPECIFICATION forming part of Letters Patent No. 290,068, dated December 11, 1883.

Application filed October 3, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. LANE, a citizen of the United States, residing in the city of Rockford, in the county of Winnebago and State of Illinois, have invented new and useful Improvements in Cans, of which the following is a specification.

This invention relates, mainly, to a class of vessels, generally known as "cans," employed to contain liquids, and especially oils of various kinds. Its object is to provide a ready means of drawing the liquid from the can; and it consists in combining with the bottom of a can of peculiar construction a novel form of faucet, by means of which the contents of the can may be withdrawn without tipping the can.

The invention further consists in the features of construction and combinations of parts hereinafter fully described, and pointed out in the claims.

To this end I have designed and constructed the can represented in the accompanying drawings, in which—

Figure 1 is an isometrical representation of a can embodying my invention. Fig. 2 is an isometrical view of the bottom of the can with faucet fixed thereto. Fig. 3 is an isometrical representation of the faucet portion of the foot-rim. Fig. 4 is a transverse section on dotted line X on Fig. 1, looking up at the bottom of the can. Fig. 5 is a vertical central section through the faucet on dotted line y on Fig. 2; and Fig. 6 is a vertical central section through the drip-cup on dotted line Z on Fig. 2.

In the figures, A represents a sheet-metal can cylindrical in section and of any suitable dimensions. The upper end of this can is fitted with a raised end, B, from the center of which rises a tube, forming a tubular inlet-opening, fitted with a removable cap, C.

At D is represented a bail, of the usual form, having a hinged connection of its ends with ears a, rising from the end of the can, to which they are securely fixed.

At E is represented the bottom of the can, made from plate material and fixed within the lower end of the can in the usual manner.

To the under face of the bottom of the can, near its outer edge, is fixed a faucet consisting of a tubular stud-like portion, b, having its end, with axial opening c, fixed to the

bottom of the can and opening inward through the bottom.

At d is represented a radial opening, which connects with the end portion of the axial opening c and extends outward through the side of the stud on a line substantially radial with the can.

At F is represented a lever-faucet-spout, of curved form, having its shoulder end bored to receive the tubular stud b, and ground, in the manner of fitting faucets, to produce a fluid or oil tight joint in a manner to permit the spout to oscillate on its stud-support. This spout is provided with a lengthwise opening, e, having its inner end to coincide with the radial opening d when in its open position, and its outer end opens through the lower side of the free end. This lever is held in place on its tubular stud by means of a screw-nut, h, having a screw-threaded connection with the free end of the stud and a washer, i, placed between it and the lever.

This can is provided with a foot-rim consisting of a sheet-metal portion, H, and a cast portion, I. This cast portion is produced in a curved form to coincide with the curve of the can, and it is provided with a lengthwise opening, k, of a conformation to receive the lever-spout F of the faucet. This cast portion of the foot-rim is provided with a drip-cup, l, on its inner face, in position thereon to receive the free end of the spout when closed. The end portions of this casting are fixed to the end portions of the sheet-metal part of the foot-rim, producing a foot-rim of a proper size to receive the lower end of the can, to which it is securely fixed by soldering or otherwise, and in position thereon to receive the spout of the faucet to permit it to turn outward to the position shown in the dotted lines in Fig. 4. This foot-rim is re-enforced by means of an inner wood rim, m, which extends round the foot-rim on its inside, except the portion thereof occupied by the drip-cup. This foot-rim on each side of the drip-cup is provided with a socket, n, to receive the end portions of the wood rim. The metal part H of the foot-rim, about midway of its height, is provided with an inward-projecting bead, o, against which the upper edge of the wood rim rests, and the lower or foot end of the foot-rim is provided with an inward-projecting flange, p, which overlaps

the wood rim, and, in connection with the bead *o*, serves to hold it in place.

My improved cans are also constructed with the wood re-enforce extending the full width of the foot-rim, having its upper edge resting against the bottom of the can.

Instead of the wood rim, a suitable wire may be formed in the lower edge of the foot-rim in the usual manner.

10 The opening *k* in the foot-rim is enlarged at *s*, to admit the finger of an attendant to engage an upward-rising lip, *t*, formed on the free end of the lever-spout, to withdraw it from the opening.

15 The drip-cup is designed to contain a sponge or waste, to absorb any drippings that may ooze from the spout, and when the sponge is saturated it may be readily removed and a fresh absorbent put in its place.

20 From the foregoing it will be seen that by turning the lever-spout *F* from its closed position, as in Figs. 1, 2, and 4, to its open position, (represented in the dotted lines in Fig. 4,) the contents of the can will escape through the pipe, and its return to its closed position will stop the flow of the contents, and the spout

will be incased within the rim of the can, to protect it from injury in handling or shipping.

I claim as my invention—

1. The combination, with a can or vessel having a foot-rim, of a faucet provided with a lever-spout pivotally supported within said foot-rim, substantially as set forth. 30

2. The combination, with a can, of a foot-rim provided with a drip-cup, and a faucet having a lever-spout whose free end enters said drip-cup, substantially as set forth. 35

3. The herein-described foot-rim, consisting of the slotted portion, a sheet-metal portion having its ends connected with the slotted portion, and a re-enforce placed within the rim, substantially as and for the purpose set forth. 40

4. The combination, with a can or vessel to contain liquids, and with a faucet fixed to and opening through the bottom of the can, of a foot-rim fixed to the vessel, said foot-rim slotted to receive the lever-spout of the faucet, substantially as and for the purpose set forth. 45

GEORGE W. LANE.

Witnesses:

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