H. C. CAMPBELL.

OIL-CAN SPOUT.

No. 191,000. Patented May 22, 1877.

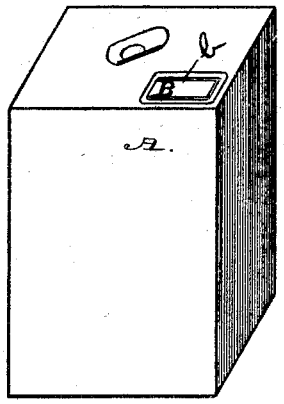


Fig. 1

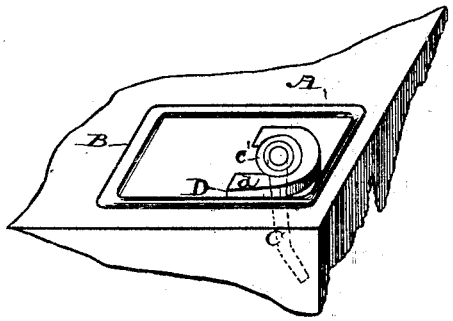


Fig. 2

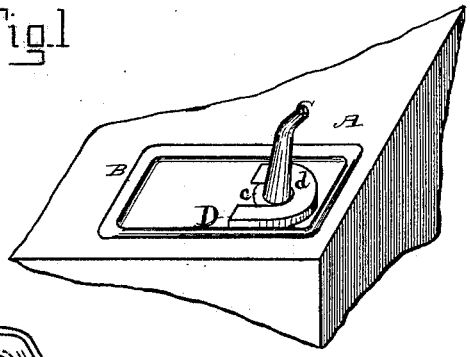
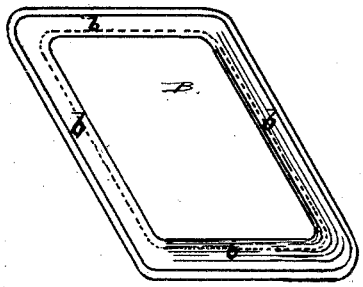


Fig. 3

Fig. 4.



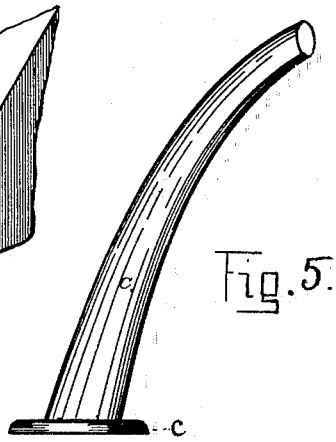


Fig. 5.

Witnesses

J. H. Stevenson

T. T. Moore.

Inventor

Harry C. Campbell

by J. C. Anderson

Atty &

UNITED STATES PATENT OFFICE.

HARRY C. CAMPBELL, OF ALLEGHENY, PENNSYLVANIA.

IMPROVEMENT IN OIL-CAN SPOUTS.

Specification forming part of Letters Patent No. **191,000**, dated May 22, 1877; application filed August 31, 1876.

To all whom it may concern:

Be it known that I, HARRY C. CAMPBELL, of Allegheny, Pennsylvania, have invented a new and useful Improvement in Oil-Spouts, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing.

Similar letters of reference indicate corresponding parts.

My invention relates to the formation of a spout for oil-cans, hermetically sealed during transportation, but which may be removed, when it is desired to open the can and take out oil, by cutting around the top part of the cap, (along the dotted lines shown in Fig. 4,) covering the aperture in the can; thence the movable spout of the can may be taken and be applied as a funnel, or as may be required.

In the drawing, Figure 1 represents a perspective view of a common oil-can sealed inclosing my device. Fig. 2 shows a top view of my invention, having the top of the cap removed, and the funnel-spout within the aperture of the can. Fig. 3 shows a top view, the same as Fig. 2, but with the spout removed from within the can, as seen in Fig. 2, and reversed with the rim of spout slid into the semicircular fastening, thus ready for using. Fig. 4 shows the cap for covering the aperture-spout, &c., when sealed up; and Fig. 5, an elevated view of the funnel-spout.

In the drawing, A represents a common oil-can; B, the cap for covering the aperture, &c. *b b b b* show dotted lines, along which the top of the cap is secured. C is the funnel-spout. *c* is the rim on the same. *c'* is a groove within the side of the rim. D is a horse-shoe-shaped fastening or slide fixed to the top of the can, and around the perforation in the same. This fastening device D is soldered secure to the top of the can, along the outer edge of the slide, while along the top is a covering with a slit sufficient to admit the stem of the spout or funnel, thus leaving a small space between the top of the can and under side of the covering. This space is designed to admit the rim of the spout. The rim *c* is soldered to the main stem of the spout at about right angles, and is made round. The outer edge of the rim is turned up so as to form a groove or furrow within the same, to admit the required packing, which packing, when placed in the groove or furrow, will be held in place by folding over the edges of the spout onto the same, or by any other usual way; and when it is secured within the groove the central part of the packing will extend beyond the plane of the edges of the groove a required distance. The spout, fastening, cap, &c., are all constructed of tin or other usual substance.

With my improvement the operation will be as follows: Having soldered the fastening device D to the can over the aperture in such a way as to bring the bore of the spout over the aperture in the can, (when the spout is placed in the slide or fastening D for using,) the spout is placed within the aperture down into the can, with only the rim above. Then the cap B is securely soldered over the fastening or slide D and spout C.

To use the oil within the can, the top of the cap is severed and removed, the spout taken out of the aperture in the can, reversed, and the rim thereof slid into the fastening, so that the bore of the spout will be directly over the aperture in the can, and in this position the spout will be held fairly by pressure against the top of the can, and under side of the top of the fastening, the packing within the rim *c* aiding in this. In this position the device is ready for using. The cutting away of the top of the cap B leaves an inclosure within the same, which may be utilized in the pouring of oil into the can or in the saving of oil, which, by accident or otherwise, may get therein, as the oil will be run into the can again. The packing used within the rim *c* may be of such quality as will not be spoiled for the purpose by the action of the oil. For the purposes of illustration, I use common felting, though I do not confine myself to that alone.

As my device may serve for other purposes besides being applied to oil-cans, I do not confine myself to that class alone, but desire to extend the invention to all classes of cans used as receptacles for liquids, whether prepared for transportation or otherwise.

As a matter of explanation, I show the cap B raised above the level of the plane; but it may be used in a reversed position, or sunken

in the can, and for all practical purposes will perform the same offices as when raised. Therefore, I do not confine my invention to the raised cap, but use it as sunken in the can; and when it is used as sunken in the can a tin covering is soldered over it, so as to seal the can perfectly.

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

In combination with the head of a can, the spout C, having flange *c*, with the fastening device D, extending partly about the pouring-orifice, and having a recess adapted to receive the flange of the spout, and the covering-plate B, as and for the purpose shown and described.

In testimony that I claim the foregoing and in witness whereof I hereto set my hand.

HARRY C. CAMPBELL.

Witnesses:
J. H. STEVENSON,
T. T. MOORE.