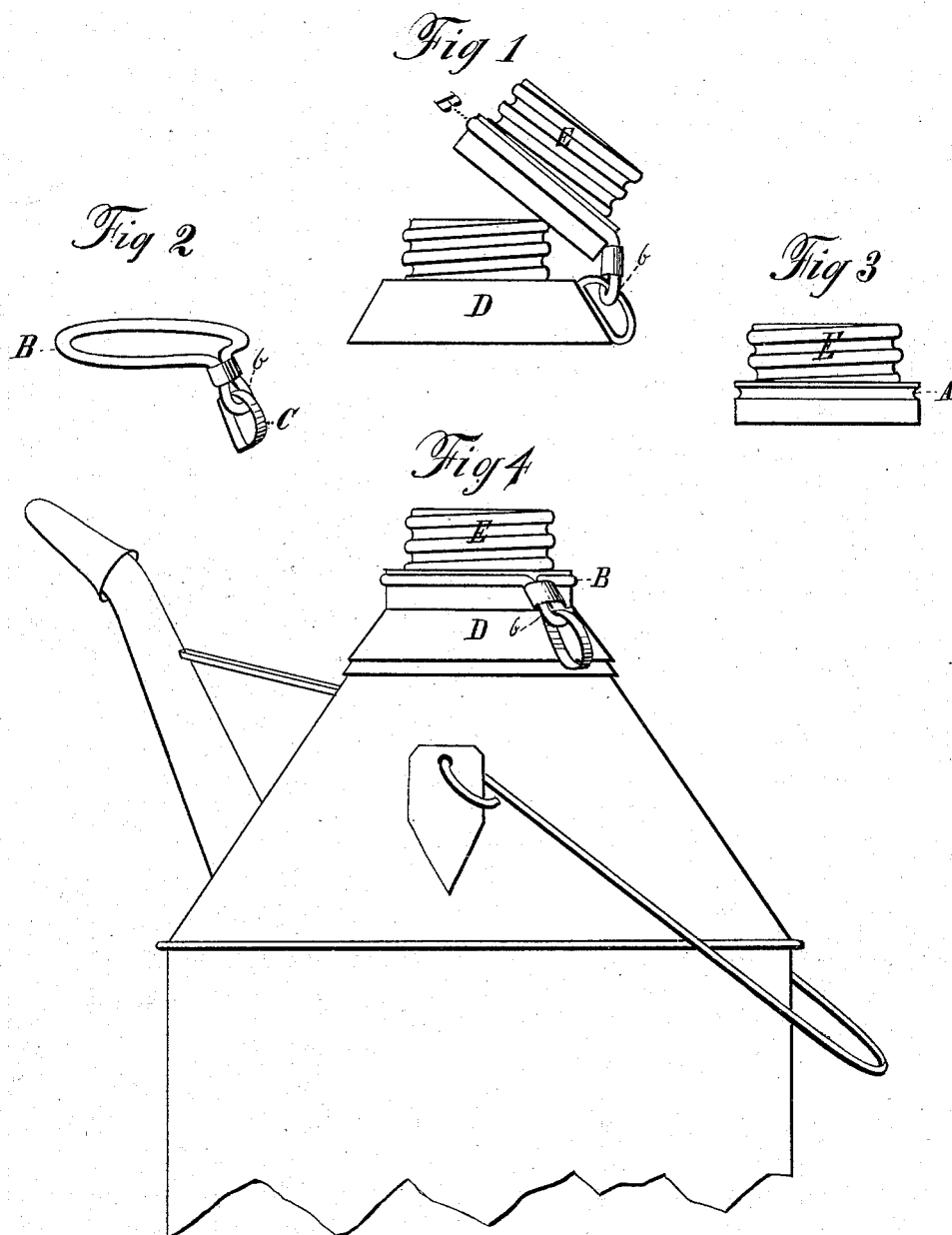


(No Model.)

A. WILLIS.
CAN COVER.

No. 263,741.

Patented Sept. 5, 1882.



Witnesses
Jacob L. Rowe
Austin F. Park

Inventor
Ambrose Willis

UNITED STATES PATENT OFFICE.

AMBROSE WILLIS, OF TROY, NEW YORK.

CAN-COVER.

SPECIFICATION forming part of Letters Patent No. 263,741, dated September 5, 1882.

Application filed April 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, AMBROSE WILLIS, a citizen of the United States, residing at Troy, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in Can-Covers, of which the following is a specification.

My invention relates to improvements in can-covers of sheet metal having a screw-thread swaged thereon; and the objects of my improvements are, first, to retain the cover permanently secured to the can, although dispensing with the use of a chain for that purpose; and, second, to form the parts uniting the cover to the can of rigid members interlinked to form a hinge, one member being immovably attached to the can and the other swiveled to the cover. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the cover partly removed from its seat upon the cap or top of a can. Fig. 2 is a view of the cover-ring interlinked with the loop or member to be secured to a can. Fig. 3 is a side view of the cover, showing the annular groove to receive the cover-ring. Fig. 4 is a side view of the upper portion of a can having my improved cover-fastening.

Heretofore the cover of various devices has been grooved to receive a ring fitting loosely therein, and this ring has been secured to the body of the device by means of a chain liable to rattle against its side and abrade its surface while in transportation. Others have been provided with an arm made to rest upon the top surface of the cover and pivoted thereto by means of a loose rivet; but even in this a chain has been used to unite said arm to the body of the can, and my main object is to use only rigid members, to dispense with a chain, and to obtain a noiseless fastening.

In the drawings, E is the can-cover. It is made of thin sheet metal, and has a screw-thread spun thereon in the usual manner. It is also provided with a groove, A, around its lower portion to receive the ring B. This ring is provided with a loop, b, forming a part thereof, and is made to interlink with the loop C, producing a pivot-hinge capable of action whatever may be the position of the loop b

upon the oblong loop C. This loop C is generally made of a strip of sheet metal, so as to have a comparatively broad flat surface to come in contact with the upper portion of the can or with the cap or shoulder D thereof, and be soldered or otherwise secured thereto.

When new cans are to be provided with my improved cover-fastening the loop C may be soldered directly to the upper portion thereof; but my invention is also intended to be applied to cans already made having a smooth or a screw-threaded upper end. When applied to a smooth-top can the cap, with its shoulder D, should be soldered thereto; but when it is to be applied to a top already screw-threaded my screw-threaded top and shoulder D is simply screwed tightly, by hand or with a pair of tongs, over said screw-threaded top of the can, and for that purpose the interior of my screw-threaded tops are made and screw-swaged of a diameter equal to the interior diameter of ordinary covers, and can thus be applied in an instant and substituted for a lost or damaged cover previously used. The can-cover E, being permanently hinged to the shoulder D, cannot be lost, and will be found very useful where from the nature of the contents of the can there would be danger of depreciation of quality of liquids or of substances placed therein, if they should remain open.

Having now fully described my invention, I claim—

1. A can-cover secured to a can by means of a hinge having rigid members, one of which is a loop, C, secured to the can or its shouldered cap D, and the other a ring fitting loosely in a groove around the cover and provided with a loop, b, substantially as and for the purpose described.

2. The combination of a can or its shouldered cap D and loop C, rigidly secured thereto, with the can-cover E, having a surrounding groove, and the ring B, having the loop b integral therewith and interlinking with the rigidly-secured link C, substantially as and for the purpose described.

AMBROSE WILLIS.

Witnesses:

JACOB L. ROWE,
AUSTIN F. PARK.