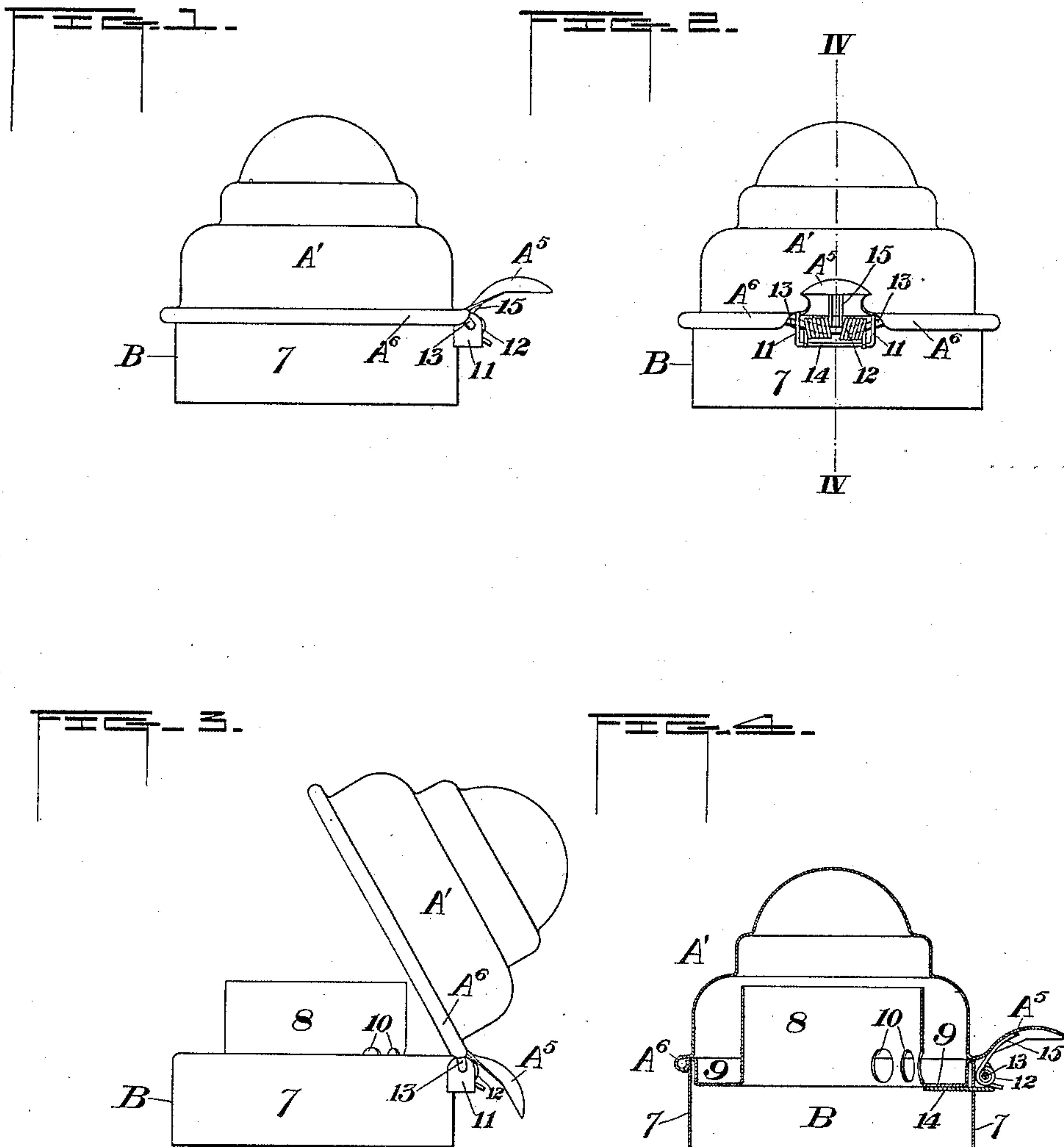


(No Model.)

A. W. PAULL.
JUG TOP.

No. 409,864.

Patented Aug. 27, 1889.



WITNESSES:

H. L. Gill
N. B. Corwin

INVENTOR,

Archibald W. Paull
by *N. B. Corwin & Sons*
Att'ys.

UNITED STATES PATENT OFFICE.

ARCHIBALD W. PAULL, OF WHEELING, WEST VIRGINIA.

JUG-TOP.

SPECIFICATION forming part of Letters Patent No. 409,864, dated August 27, 1889.

Application filed March 13, 1889. Serial No. 303,093. (No model.)

To all whom it may concern:

Be it known that I, ARCHIBALD W. PAULL, of Wheeling, in the county of Ohio and State of West Virginia, have invented a new and useful Improvement in Jug-Tops, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of my improved jug-top. Fig. 2 is a rear elevation thereof. Fig. 3 is a side elevation of the jug-top, showing the lid raised. Fig. 4 is a vertical section on the line IV IV of Fig. 2.

Like symbols of reference indicate like parts in each.

In the drawings, A' is the lid of the jug-top, and B is the collar, which consists of a vertical annular portion 7, a second annular portion 8 of less diameter, and an intermediate re-entrant annular drip-trough 9. The portion 8 forms the spout, and is provided with holes 10, or is otherwise constructed to permit the return of the drip into the jug. The lid is made of proper shape and size to fit on the collar, and is provided with a projecting thumb-piece A⁵.

To unite the collar and lid portion together, I take a hinge-socket made, as shown in the drawings, with a straight tongue 14 and two vertical and lateral side pieces 11, which are perforated for the passage of the wire which forms the pintle of the hinge, and, having placed a coiled spring 12 between the side pieces 11, I insert a wire 13 through the holes in these side pieces and through the coils of the spring. I then place the wire around the flange A⁶ of the lid, with the side pieces of the tongue fitting in the notches at the side of the thumb-piece A⁵, and by the usual process of wiring I fold over the edges of the flange A⁶, so as to inclose the wire 13, which wire may be of sufficient length to encircle the entire periphery of the lid, though it will

be sufficient if it be of proper length to encircle a portion only thereof. The effect of this is to securely fasten the hinge and the wire to the lid, the tongue 15 of the spring 12 resting under and in contact with the thumb-piece A⁵. The lid may then be attached to the collar or lower section of the jug-top by inserting the tongue 14 into a slot in the side of the portion 7 of the collar and soldering it to the shoulder on the under side of the trough 9. The top is then completed and may be applied to the jug.

I claim—

1. As a new article of manufacture, a jug-top consisting in the combination of the collar and cap, a hinge-piece secured to the collar, and a peripheral wire on the cap which passes through perforations on the hinge-piece and forms the pintles of the hinge, substantially as and for the purposes described.

2. As a new article of manufacture, a jug-top consisting in the combination of the collar and cap, a hinge-piece secured to the collar, a peripheral wire on the cap which passes through perforations on the hinge-piece and forms the pintle of the hinge, and a coiled spring encircling said pintle, substantially as and for the purposes described.

3. As a new article of manufacture, a jug-top consisting in the combination of the collar comprising a zone 7, which encircles the jug-top, a zone or portion 8, forming the spout, an intervening gutter 9, a cap, and a hinge-piece connecting the cap and collar and having a tongue which fits against the under side of the said gutter and is braced thereby, substantially as and for the purposes described.

In testimony whereof I have hereunto set my hand this 8th day of February, A. D. 1889

ARCHIBALD W. PAULL.

Witnesses:

W. B. CORWIN,

THOMAS W. BAKEWELL.