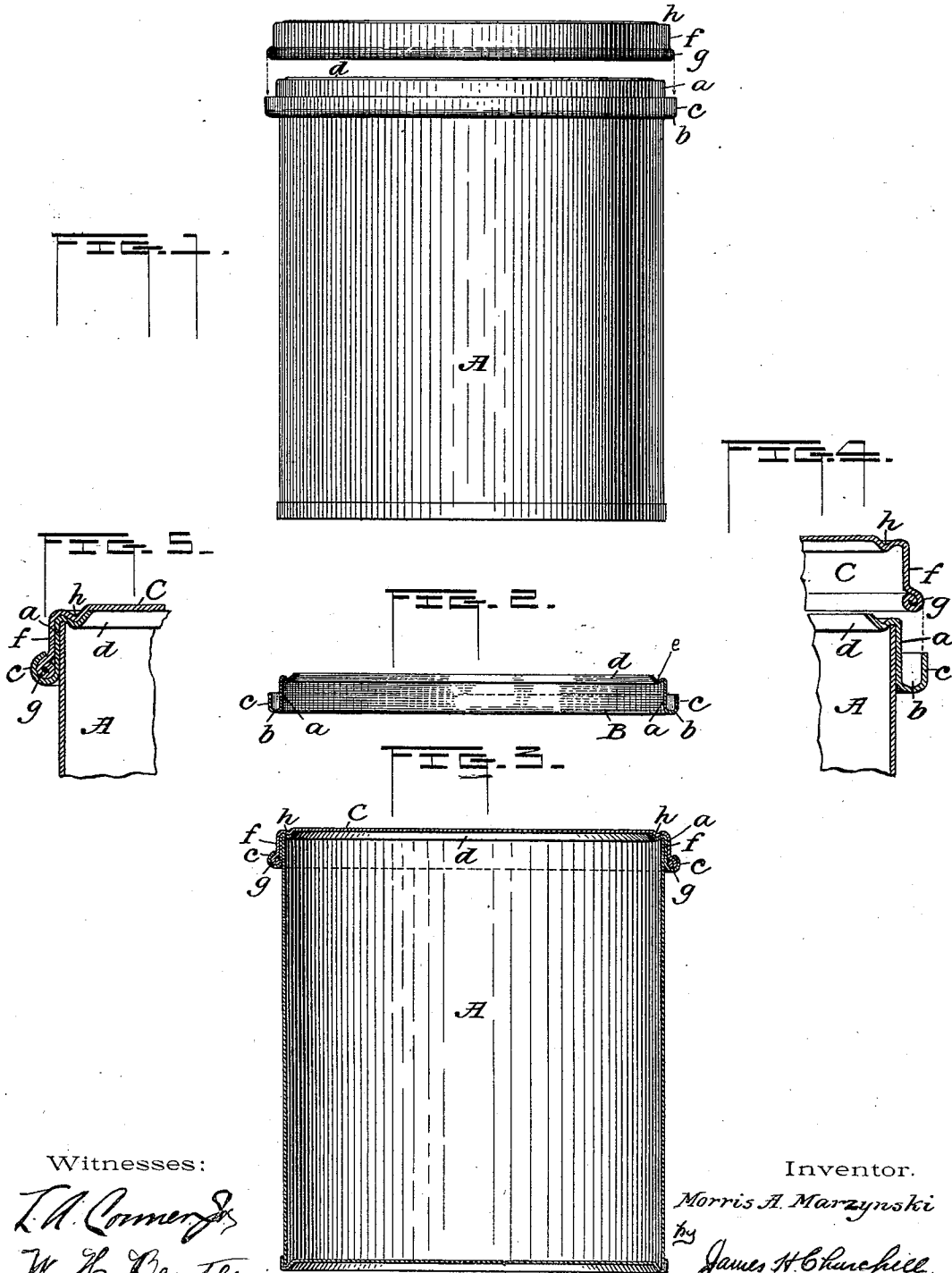


(No Model.)

M. A. MARZYNSKI.  
CAN FOR PAINT, PUTTY, LARD, &c.

No. 521,033.

Patented June 5, 1894.



Witnesses:

L. A. Comer  
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by James H. Churchill  
his Attorney.

# UNITED STATES PATENT OFFICE.

MORRIS A. MARZYNSKI, OF BOSTON, MASSACHUSETTS.

## CAN FOR PAINT, PUTTY, LARD, &c.

SPECIFICATION forming part of Letters Patent No. 521,083, dated June 5, 1894.

Application filed January 24, 1894. Serial No. 497,901. (No model.)

*To all whom it may concern:*

Be it known that I, MORRIS A. MARZYNSKI, a citizen of the United States, residing at Boston, in the county of Suffolk, State of Massachusetts, have invented certain new and useful Improvements in Cans for Paint, Putty, Lard, &c., of which the following is a description, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in cans or like vessels, and the object is to provide a receptacle for paint or other substances which shall be perfectly liquid tight and whose cover can be utilized after the can has been once opened.

It has been heretofore proposed to construct a metallic can by folding a sheet of metal twice upon itself, the mouth of the can having by reason of such folding a channel around it into which the flange of an ordinary lid is forced, the lid being held in place both by the tight contraction of the outer fold upon the inner fold, and the bending of the upper surface of the outer fold upon the lid. Such a construction it will be readily seen is open to many practical defects, equally as objectionable as those attendant upon cans in which the cover fits a groove into which wax, cement, or other substance is placed to insure a water tight joint.

My invention consists primarily, of a can for paint and like substances comprising a can body, having secured to its wall the wall of a groove or channel located beyond or outside the line of the body portion of the can below the top edge thereof, and a cover having a flange with its lower portion provided with a projecting shoulder against which the outer wall of said groove or channel bears with spring pressure, said wall being bent around and over said projecting shoulder. Secondly it consists of a can provided with a ring secured around the top thereof, said ring having a groove or channel below the top edge of the can, and beyond or outside the line of the body portion thereof, and having an annular groove located inside the plane of said body portion, and a cover having a flange fitting the first groove or channel, and with a ridge upon the under side of said cover fitting the annular groove; finally, it consists

in certain details of construction hereinafter described and referred to in the appended claims.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of the can with the cover removed. Fig. 2 is a sectional view of the ring upon which the groove or channel in which the cover is secured, is formed. Fig. 3 is a sectional elevation showing the cover in place; and Figs. 4 and 5 are details of portions of Figs. 1 and 3.

In the drawings, A represents the body of the can constructed of suitable material, preferably tin. It is herein shown as unbroken to the top throughout its walls, though it may be corrugated, beaded or otherwise constructed.

B represents a seamless ring of metal having the vertical wall *a* herein shown as soldered to the wall of the can near the top edge, though it is possible that it might be integral therewith. This ring has the channel or groove *b* formed by bending outward and upward a portion of the metal as *c*, this groove or channel lying below the plane of the top of the body portion. I may and preferably do provide this ring B with the flange *d* extending inside the plane of the body portion of the can and provide it with an annular, preferably angular, groove *e* as shown.

C represents the cover formed with the vertical flange *f* having a shoulder *g* on its lower edge, this shoulder being formed by giving the proper curl to the metal in a die, thus thickening the lower edge. This thickened lower edge, known in the trade as a hollow wire, is of diameter sufficient to cause it to fit snugly in the groove or channel, the outer wall of which is adapted to be bent around the thickened lower edge of the flange, and hold the cover securely in position. To take off the cover, a prying tool is inserted to bend the wall away from the flange, when the cover can be removed and utilized in the ordinary way to close the can. It will be seen that by making said shoulder of such diameter that it fits snugly within the groove, the sides of the latter even when not bent over said shoulder will bear with considerable pressure on the thickened lower edge of said flange because of the natural spring of the metal, thereby causing the cover to fit tightly, even

though the outer wall of the groove be not bent to embrace the shoulder. Furthermore, by curling or rounding said shoulder, it can be made to fit the groove more snugly and consequently a tighter joint can be formed than if square. It will be seen that the front only of said thickened lower portion extends outwardly beyond the plane of the flange on the cover, the inner wall of said hollow wire being flush with the inner edge of the flange, whereby the greater spring pressure upon said shoulder is exerted by the outer wall of the groove. An angular ridge *h* is formed on the under side of the cover adapted to register with the annular groove on the ring, whereby the can is rendered additionally secure.

Various minor modifications and changes in the construction of the can may be made without departing from the spirit of my invention, the gist of which resides in the can having secured to it the inner wall of a groove or channel, the groove or channel being below the top edge of the can, and a cover having a flange fitting snugly said groove or channel and having a thickened lower edge about which the outer wall of said groove or channel is bent.

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

1. A can for paint and like substances comprising a can body, a ring bent to form a groove or channel which is located below the top edge and beyond or outside of the line of the body portion of the can, the inner wall of said ring being secured to the can body, and a cover provided with a flange adapted to pass into said groove, and with its lower portion curled to form a projecting shoulder, the outer wall of said groove bearing with spring pressure against the side of said shoulder and being bent to embrace the upper edge thereof, substantially as described.

2. A liquid tight can for paint and like substances, comprising an annular body portion having attached to its annular wall the inner wall of an annular groove or channel located beyond or outside of the line of the annular body portion of the can below the top edge

thereof, and a cover provided with a flange adapted to fit into the said groove and having a thicker rounded lower edge adapted to be secured liquid tight in the said groove by the outer wall of the said annular groove or channel, which latter laps around and over the rounded, thickened edge of the said flange, substantially as described.

3. A can for paint and like substances comprising an annular body portion, a seamless ring having the vertical portions *a* and *c* with the groove *b* between, the portion *a* being secured to the can body and the portion *c* lying entirely below the plane of the top of the can, a cover having a flange with its lower end curled to form a rounded shoulder of such diameter as to tightly fit said groove, the wall *c* being bent around said shoulder; substantially as described.

4. A can for paint and other substances comprising an annular body portion and having soldered to its annular wall the inner wall of an annular groove or channel located beyond or outside the line of the annular body portion of the can below the top edge thereof, and a cover provided with a flange adapted to pass into the said groove, and curled at its lower edge to form a shoulder projecting beyond the vertical plane of said flange only in front, and fitting liquid tight against the outer wall thereof, which latter wraps around and over the thickened edge of said flange; substantially as described.

5. A can provided with a ring secured around the top thereof, said ring having a groove or channel below the top edge of the can and beyond or outside the line of the body portion thereof and having an annular groove located inside the plane of said body portion, and a cover having a flange fitting the first groove or channel and having a ridge upon the under surface of said cover fitting the annular groove; substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

MORRIS A. MARZYNSKI.

Witnesses:

CHAS. L. STURTEVANT,  
GALES P. MOORE.