C. L. WEIL.

BOX.

APPLICATION FILED APR. 24, 1912.

1,190,612. Patented July 11, 1916.

Fig. 1.

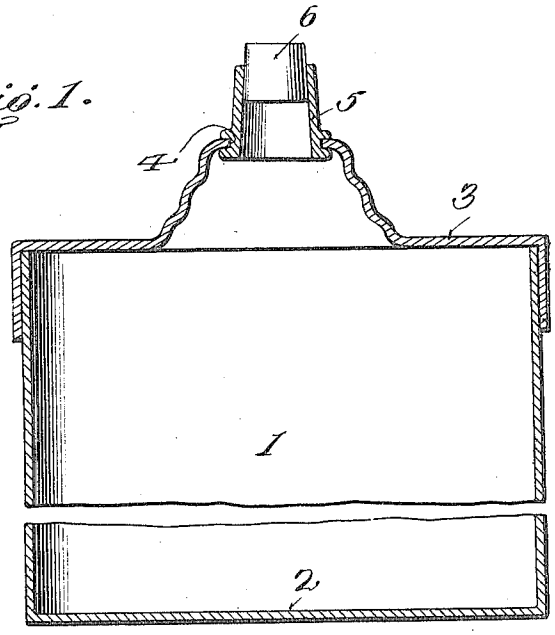
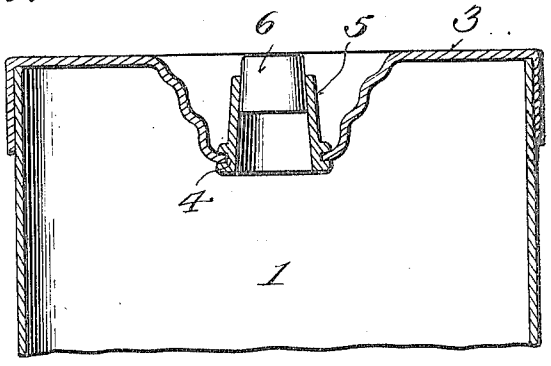


Fig. 2.



Witness

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BOX.

1,190,612. Specification of Letters Patent. Patented July 11, 1916.

Application filed April 24, 1912. Serial No. 692,822.

To all whom it may concern:

Be it known that I, CHARLES L. WEIL, a citizen of the United States, residing at St. Clair, in the county of St. Clair and State of Michigan, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

This invention relates to boxes, cans and like receptacles and particularly to that type of receptacles wherein it is desirable to provide a discharge nozzle or spout whereby contained liquids or granular material may be readily dispensed.

It is an object of my present invention to provide a container of the class described which may possess all the advantages of the usual pouring or shaking boxes and which shall in addition be so constructed that it may advantageously be packed and shipped in quantities with economy in space and safety from damage during transportation.

It is also an object of my invention to provide a receptacle which while having the advantages above pointed out shall at the same time be simple in construction and operation and relatively inexpensive in manufacture.

With the above and other objects in view, my invention comprises a box, can, or other receptacle of metal, paper, cardboard, or the like, having the usual bottom and sides and a top section of peculiar construction consisting broadly of some pliant or flexible member having an opening through which material may be poured, in combination, with an attached nozzle or spout and its stopper. This flexible member is corrugated so that it may be folded in such position that the top of the attached spout is below the level of the top of the box, and when in extended position the attached spout is above the level of the top of the box and the pliant member constituting part of the cover is then frusto-conical in shape.

In the accompanying drawings similar reference numerals designate corresponding parts:

Figure 1 is a vertical section of my box with the top thereof extended and in position for emptying; Fig. 2 illustrates a vertical section showing the cover in closed position for shipping.

In the drawings, element 1 designates the can proper, which, as stated, may be made of metal, strawboard paper or the like, having the bottom 2, and cover 3 of special construction. This cover consists of the usual slip cover so universally used and secured in position by the label on the box and flange of the cover. It comprises a closure for the can of pliant or flexible material, having a corrugated or plaited portion and an opening 4 and a pouring spout 5 with the usual stopper 6. The height of this spout and stopper is less than the distance such cover extends downwardly from the top of the walls when such cover is folded, in order that receptacles packed on top of each other may not in any manner interfere with the attached spouts.

The flexible cover may be made of cloth, rubber, paper, cardboard, metal or the like, but for inexpensive yet satisfactory boxes for substances such as salt and similar material, I prefer to construct the body of the box of cardboard and the foldable cover of heavy plaited paper, as shown in the drawings. When in extended position its surface area is greater than that necessary to cover the top and because of its flexibility the peculiar conical or domed shape is thus acquired.

It is to be understood that I do not limit myself to any particular material, but consider the scope of my invention determined by the accompanying claim together with equivalents.

What I claim is:—

A can having a body portion, a top attached to the rim of the can including a depending annular flange arranged to fit over the said rim upon the outside surface of the body portion, an adjacent integral annular surface disposed at right angles to the said depending flange extending inwardly over a part of the area of the said top, an integral movable corrugated surface spaced from the inner sides of the can and disposed in

conical relation therewith, and a centrally arranged spout secured at one end to the terminating edges of the movable corrugated surface, the said spout being disposed beneath the plane of the said adjacent integral annular surface by the conical corrugated surface when in depressed position, and held extended by the said movable conical corrugated surface above the plane of the integral annular surface when in a protracted position.

Signed at St. Clair, in the county of St. Clair and State of Michigan, this 20th day of April, 1912.

CHAS. L. WEIL.

Witnesses:
W. F. DOWNING,
BERTHA M. PALMER.