No. 868,514. PATENTED OCT. 15, 1907.

F. WESTERBECK.

SHEET METAL CAN.

APPLICATION FILED JUNE 30, 1905.

Fig. I.

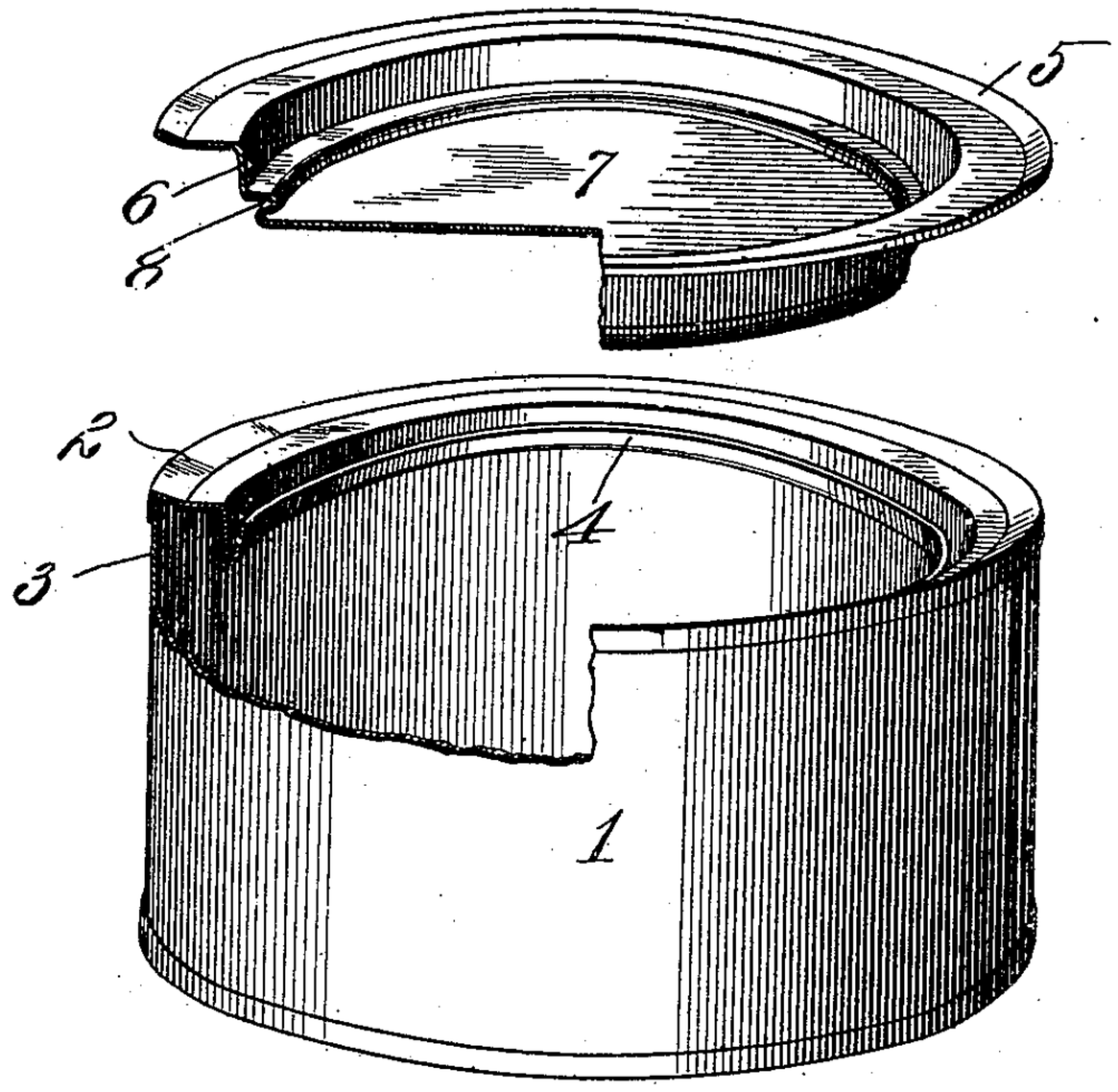
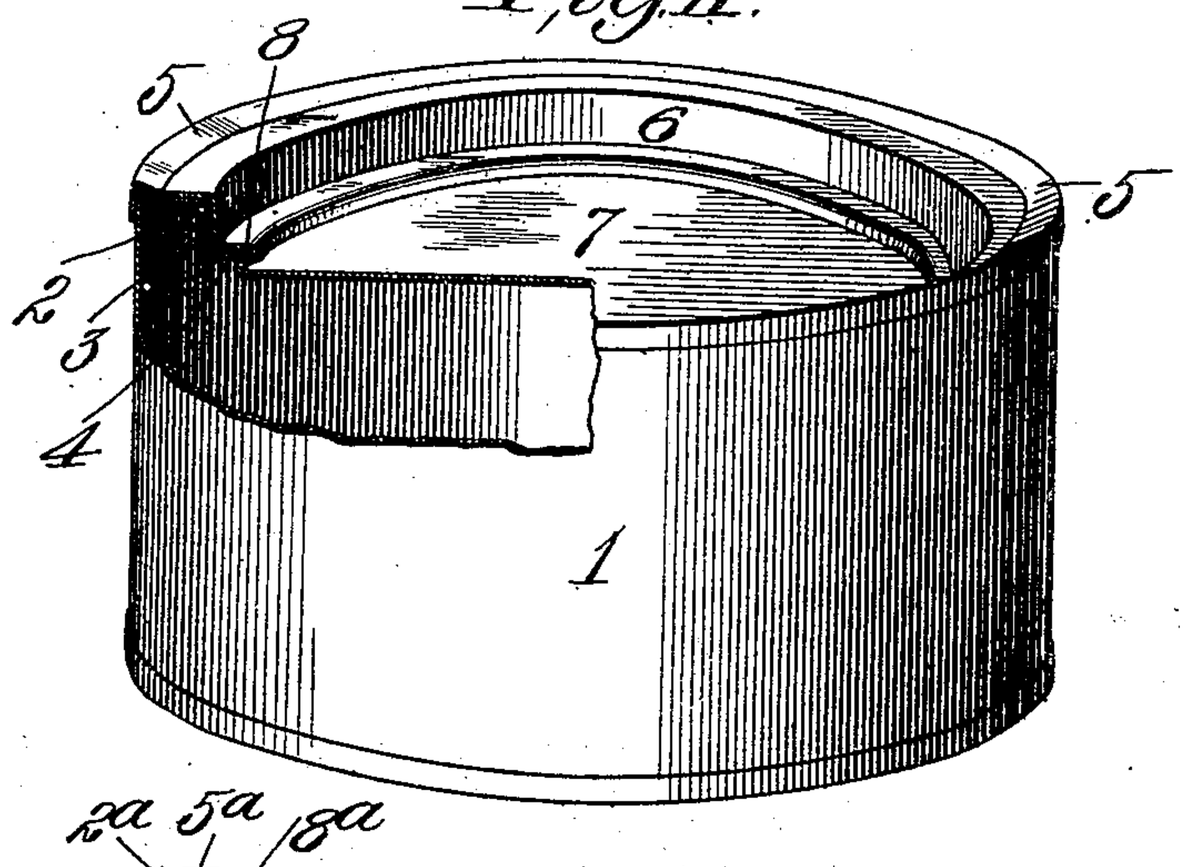


Fig. II.



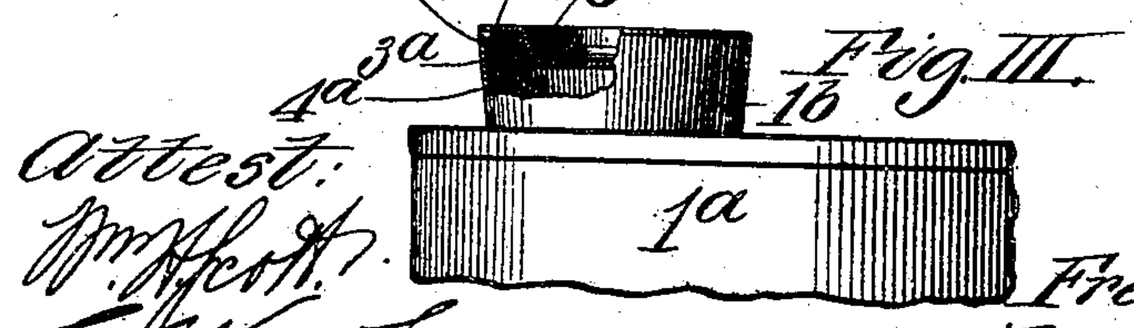


Fig. III.

Attest:
Wm. H. Scott.
E. C. Knight

Inventor:
Frederick Westerbeck,
by Thos. R. Bro. attys

UNITED STATES PATENT OFFICE.

FREDERICK WESTERBECK, OF ST. LOUIS, MISSOURI.

SHEET-METAL CAN.

No. 868,514. Specification of Letters Patent. Patented Oct. 15, 1907.

Application filed June 30, 1905. Serial No. 267,796.

To all whom it may concern:

Be it known that I, FREDERICK WESTERBECK, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Sheet-Metal Cans, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to that class of sheet metal cans commonly designated by the term "friction top" and it has for its object to so construct the top portion of the can body and the stopper that closes the top of the body that a more efficient and effectual interlocking engagement between the stopper and the body may be secured whereby the stopper is positively prevented from accidental disengagement from the body in the event of the can being suddenly jarred, as for instance in a fall.

Figure I is a perspective view partly broken out and in section of my can, the stopper being shown separated from the can body. Fig. II is a perspective view of a can partly broken out and in section showing the stopper secured to the body. Fig. III is an elevation of a fragment of a can provided with a nozzle and showing my improved construction incorporated in said nozzle.

1 designates the body of my can that is provided at its upper end with a rim 2 extending inwardly from the body wall. The rim 2 is provided with a downwardly projecting annular flange 3 that is concentric with the wall of the can body and which carries an annular inwardly flaring and upwardly projecting flange 2.

5 designates the can stopper having a rim portion corresponding in contour to the contour of the main portion of the can body rim 2 to fit thereon. The stopper is centrally depressed and has a vertical annular wall 6 extending downwardly from its rim portion and a central portion 7 located at a plane lower than the lower edge of the wall 6.

Intermediate of the wall 6 and the central portion of the stopper is an annular inturned bead 8 containing an annular groove. The groove in said bead is of sufficient width and depth to receive the flaring flange 4 when the stopper is introduced into the top opening of the can body. When the stopper is inserted the flaring flange 4 enters into the groove in the bead and as the stopper is forced downwardly in the can body opening, said flange is depressed and straightened out while it enters the groove. As a result the flange 4 is firmly located between the side walls of the groove in the bead and the stopper is securely retained, due to such locking action.

In Fig. III, I have shown a can body 1^a provided with a nozzle 1^b to illustrate the adaptability of my improvement to a can nozzle. The construction in this is the same as that previously described. 2^a is the nozzle rim bearing the flanges 3^a and 4^a. 5^a is the stopper provided with the annular bead 8^a.

I claim as my invention:

1. In a sheet metal can, the combination of a body provided at its upper end with a rim having a depending flange and a flaring flange extending upwardly from said depending flange, and a stopper having a vertical annular wall and a depressed central portion; said stopper being provided with an annular horizontal groove located at the bottom of its vertical wall and adapted to receive said flaring flange, substantially as set forth.

2. In a sheet metal can, the combination of a body provided at its upper end with a rim having a depending flange and a flaring flange extending upwardly from said depending flange, and a stopper having an annular horizontal groove therein adapted to receive said flaring flange; said stopper having a rim portion, a depressed central portion, a vertical annular wall, and the said groove being located at the base of said annular wall, substantially as set forth.

3. In a sheet metal can, the combination of a body provided at its upper end with a rim having an interior flange; and a stopper comprising a top portion, an annular wall extending downwardly from said top portion, an annular inturned bead at the bottom of said wall containing a groove for the reception of the flange of said body rim, and a circular central portion at the bottom of said bead.

FREDERICK WESTERBECK.

In presence of—
NELLIE V. ALEXANDER,
E. S. KNIGHT.