F. EBERHART.

SHEET METAL BLACKING BOX.

APPLICATION FILED SEPT. 28, 1911.

1,148,666. Patented Aug. 3, 1915.

Fig. 1

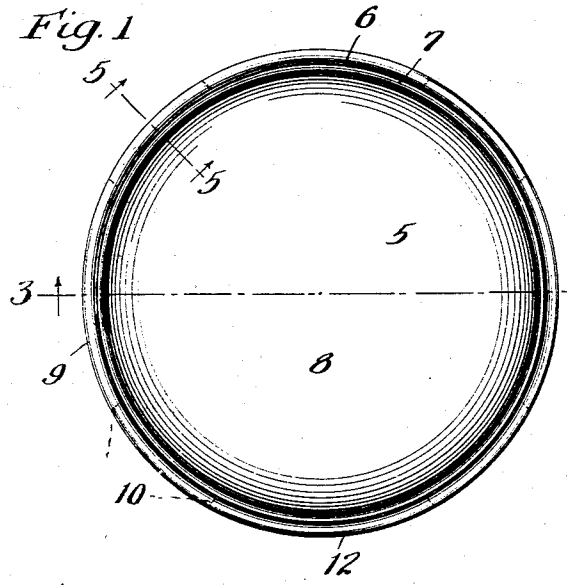


Fig. 4

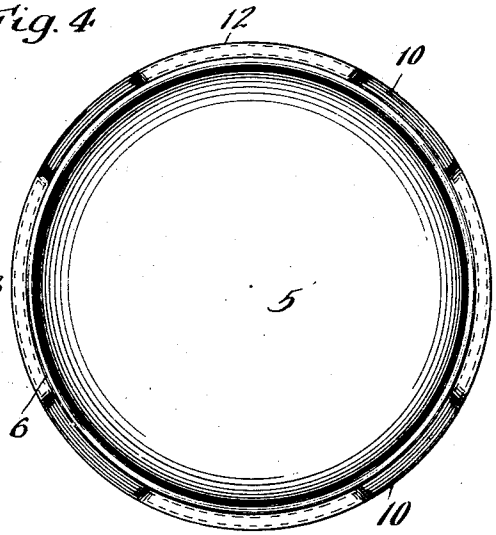


Fig. 2

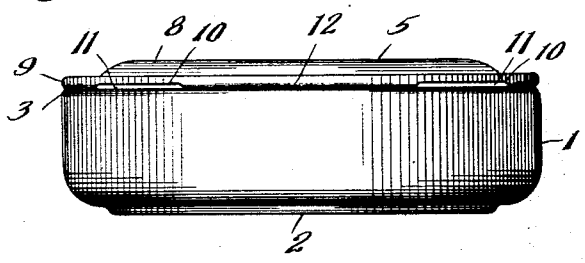


Fig. 5

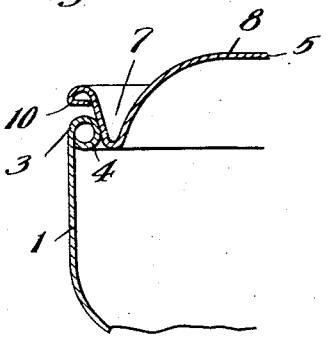
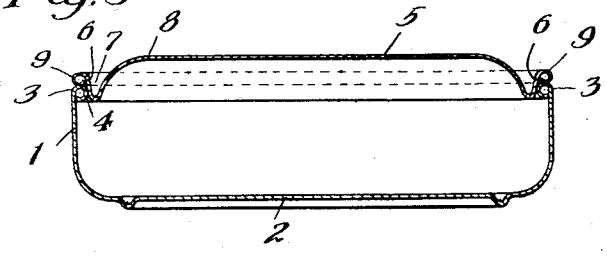


Fig. 3



Witnesses:

Wm. Geiger

Pearl Adams

Inventor:
Felix Eberhart

By Munday, Evarts, Adcock & Clarke

Attys.

UNITED STATES PATENT OFFICE.

FELIX EBERHART, OF NEW YORK, N. Y., ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

SHEET-METAL BLACKING-BOX.

1,148,666. Specification of Letters Patent. Patented Aug. 3, 1915.

Application filed September 28, 1911. Serial No. 651,705.

To all whom it may concern:

Be it known that I, FELIX EBERHART, a citizen of the United States, residing in New York, in the county of New York and State of New York, have invented a new and useful Improvement in Sheet-Metal Blacking-Boxes, of which the following is a specification.

My invention relates to improvements in sheet metal blacking boxes.

The object of my invention is to provide a sheet metal shoe polish or blacking box of a simple construction, capable of being cheaply manufactured, that may be tightly and securely closed so as to exclude air and properly keep the contents from deterioration and at the same time be capable of being easily and conveniently opened and repeatedly closed air tight or substantially air tight as required, and in which the body of the box will have a smooth mouth entirely free from any raw or cut edge liable to injure the bristles of the brush or the hands of the person using or handling the box.

To practically accomplish this object or result, I provide the body of the box, which is preferably of a one piece seamless drawn construction, at its upper or mouth end with an internal annular roll, preferably circular in cross section, and provide the cover which is also of a one piece seamless drawn construction, with a friction seat wall adapted to fit within and tangentially engage the internal annular roll on the body of the box and form an air tight or substantially air tight closure therewith, the inside fitting friction seat wall of the cover having an annular roll or rim at its upper edge, which, by engagement with the annular roll on the box body serves as a stop to limit the extent to which the cover may be forced within the box body and also as a pry-off rim for levering up or wedging off the cover; the rolled rim of the cover having a plurality of offsets therein to form recesses or slots to receive a coin, blade or other implement for wedging off or levering up the cover. As the cover is inside fitting and has only a tangential, narrow or line-like contact with the internal annular roll or friction seat wall of the box body, the cover may be quite easily pried up or removed, however tightly it may be forced within the mouth of the box body.

In the accompanying drawing forming a part of this specification, Figure 1 is a plan view of a blacking or shoe polish box embodying my invention. Fig. 2 is an elevation; Fig. 3 a central, vertical section on line 3—3 of Fig. 1; Fig. 4 a bottom plan view of the cover and Fig. 5 a central section on line 5—5 of Fig. 1.

In the drawing, 1 represents the sheet metal body of the box, the same being of a one piece, seamless drawn construction and having an integral bottom 2 and an integral internal annular roll 3 at its upper or mouth end, the innermost portion 4 of which annular roll affords a smooth, continuous and seamless narrow or line-like friction seat wall for engagement with the coacting friction seat wall of the cover. The friction closure cover 5 of the box is of a one piece seamless, drawn construction, and is provided with a slightly wedging or flaring inside fitting annular friction seat wall 6 separated by an annular channel 7 from the dome shaped center 8 of the cover and terminating at its upper edge in an annular roll or pry-off rim 9, which rim 9 is furnished at intervals with offsets 10 in its lower face to form slots or recesses 11 for reception of a coin, blade or other implement for wedging off or prying up the cover; while the portions 12 between the slots 11 serve by engagement with the rolled rim 3 of the box body as stops to limit the extent to which the cover may be forced within the mouth of the body. The offsets 10 may be formed either by flattening or closing together the walls of the rolled rim at segments thereof or by notching or cutting out the cover blank from which the rolled rim is formed as may be preferred.

As the friction seat wall 6 of the cover has a narrow, line-like or tangential contact only with the friction seat wall 4 of the box body, the cover may be forced within the mouth of the box body very tightly and snugly so as to effect an air tight closure without interfering with the convenient and easy opening of the box.

I claim:—

1. A metal box comprising a drawn sheet metal body provided at its open end with an internal annular roll, and a drawn sheet metal cover the edge of which extends upward and outward to form a flaring annular friction seat wall, the said flaring seat wall engaging tangentially, and by a straight in-

BEST AVAILABLE COPY

ward movement, with and wedging in the said internal roll of the body.

2. A metal box comprising a drawn sheet metal body provided at its open end with an internal annular roll, and a drawn sheet metal cover having a dome-shaped central portion the edges of which descend to a sharp bend, from which bend the metal of the cover extends upward and outward to form an annular channel and a flaring annular friction seat wall terminating in an exterior downward roll, the said flaring seat wall engaging tangentially, and by a straight inward movement, with and wedging in the said internal roll of the body.

3. A container of the character described including, a drawn sheet metal body provided at its mouth end with an internal annular roll, and a sheet metal cover having an upwardly extended, dome-shaped, central portion, and upwardly and outwardly inclined friction seat wall adapted to frictionally engage the roll of the body, and a roll formed on the upper edge of said inclined friction seat wall, said roll being flattened at one portion thereof to thereby provide a recess between the roll of the body and the roll of the cover to receive a pry-off implement, substantialy as specified.

FELIX EBERHART.

Witnesses:
W. D. FOSTER,
C. W. GRAHAM.