No. 858,725. PATENTED JULY 2, 1907.

L. M. KREGELIUS.

CAN FOR POLISHING COMPOSITIONS.

APPLICATION FILED FEB. 12, 1906.

Fig. 3.

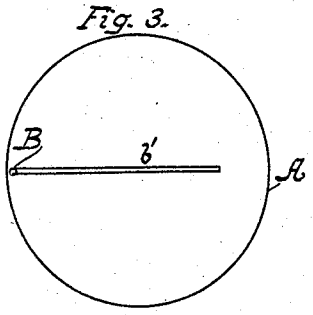


Fig. 1.

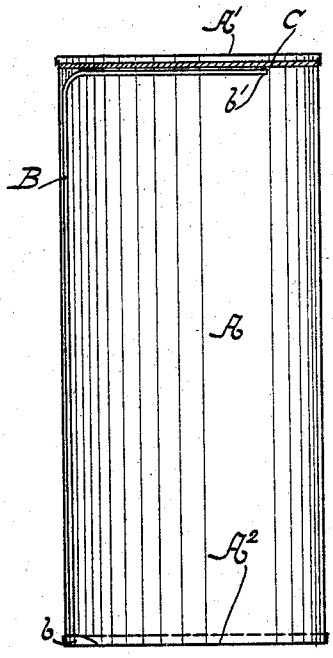
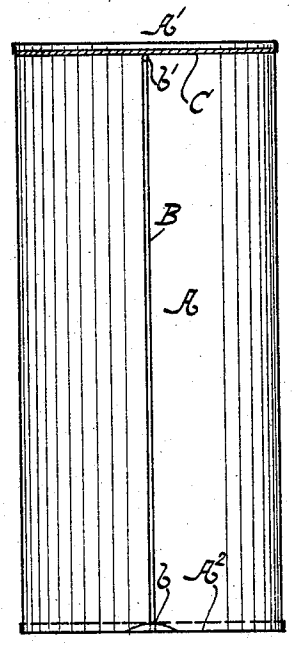


Fig. 2.



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CAN FOR POLISHING COMPOSITIONS.

No. 858,725. Specification of Letters Patent. Patented July 2, 1907.

Application filed February 12, 1906. Serial No. 300,602.

To all whom it may concern:

Be it known that I, LOUIS M. KREGELIUS, a citizen of the United States, and a resident of Cleveland, county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Cans for Polishing Compositions, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle so as to distinguish it from other inventions.

My invention relates to cans and especially to a device of this character which is adapted to keep airtight polishing compositions for coloring or buffing metal work, such as nickel, brass, steel, copper, etc., and yet which will allow the mass of buffing material to be removed when it is desired to use the same as a solid body. Said invention is particularly useful as a container for compositions of this character, which, put into the can in a plastic condition, upon cooling do not contract and sometimes even expand slightly, so that it has been difficult or impossible heretofore to withdraw the cake of composition intact from the can.

Said invention consists of means hereinafter fully described and particularly pointed out in the claims.

The annexed drawing and the following description set forth in detail certain mechanism embodying the invention, such disclosed means constituting but one of various mechanical forms in which the principle of the invention may be used.

In said annexed drawing, Figures 1 and 2 represent vertical sections of my improved can, the same taken in planes respectively at right angles to each other; and Fig. 3 represents a plan view of said improved can when filled with plastic composition, the upper cover and a strengthening member hereinafter to be more fully described, being omitted from this view.

I provide a can with any suitable body, for instance, that shown in the accompanying drawing, comprising a lateral cylindrical portion A, provided with upper and lower covers A′ A^2, respectively. Disposed longitudinally of the can-body and contained within the same is a member B, here shown as a strip of wire, secured to the bottom portion of the can-body, and of such a length that it normally projects upwardly beyond the plane containing the upper cover A′. This member may be secured at any desired point upon the surface of the can, preferably upon the inner lateral surface of the cylindrical portion A, or in the longitudinal seams of the can-body, or upon the inner surface of the lower cover A^2, and I have shown the same in the construction in the accompanying drawing, as secured at some point in the periphery of the lower cover A^2, *i. e.* at the junction of the same with the lateral portion A, the wire being retained by means of a piece of solder *b* or in any other suitable manner. It may be found suitable and oftentimes convenient to secure the wire B within the can-body by simply bending the lower portion of the same, disposing such bent portion upon the lower cover A^2 and in a plane parallel with the latter, and then pouring the plastic composition into the can, which, when it hardens, will hold the wire upon the bottom of the same. It will be noted that the wire B is disposed within the can contiguous to the inner surface of the cylindrical portion A, and that, after the can is filled with the plastic composition to within a short distance of the top of the portion A, the upper part *b′* of the wire B, which normally extends up beyond the plane containing the upper surface of the can, is bent over within the can so as to lie over the composition and under the upper cover A′ when the latter is put upon the portion A. These can-bodies are preferably and very economically machine-made from sheet tin-plate, and since the latter is a very flexible material, the cans are often bent, while being filled or during the hardening of the composition, out of their normal cylindrical shape, so in order to prevent this I have provided a circular flat strengthening member C of heavy cardboard or sheet-plate or other suitable device to retain the can in its normal cylindrical shape until the composition has hardened, which strengthening member is inserted within the can immediately over the plastic composition.

When it is desired to remove the contents of the can, after the upper cover A′ has been removed in any suitable manner and the strengthening member C taken out, the bent portion *b′* of the wire B is grasped, straightened, and pulled against the lateral portion A of the can which is slit down by means of the cutting effect of the wire, and as a result of its expansion from being thus longitudinally cut it will draw away from the block of composition and the latter can then be taken out intact from the can-body. In the construction shown, where the wire B is secured to the bottom of the lateral portion A of the can-body, said portion A can be slit throughout its whole length from top to bottom by means of the wire B.

The gist of the preferred form of my invention resides in the fact that a machine-made can, which type of can is convenient and economical to use, can be utilized to retain airtight a composition which would normally, after hardening, stick to the inner surface of the can, and yet allow said composition to be removed in a solid block when it is desired to make use of the same. It may be found advisable and convenient oftentimes to use a hand-made can, especially when it is desired to place the cutting member or wire in the longitudinal seams.

Having thus described my invention in detail, that which I particularly point out and distinctly claim is:—

1. A container for a substance of the character described, comprising the combination with a sealed metallic

can, of a wire disposed longitudinally of the body of said can contiguously to the inner lateral surface of the same, said wire having one end attached to the lower cover of said can and its other end bent in under the upper cover and over the can's contents, whereby upon removing such upper cover the bent over end of said wire is disclosed and when pulled the latter is adapted to slit said can body lengthwise.

2. A container for a substance adapted to solidify upon standing comprising the combination with a sealed metallic can, of a wire disposed longitudinally of the body of said can contiguously to the inner lateral surface of the same, said wire having one end secured to the periphery of the lower cover of said can and its other end bent in over the top of the can's contents, and a flat circular strengthening member inserted in said can between such contents and the end of said can.

Signed by me, this 8th day of February 1906.

LOUIS M. KREGELIUS.

Attested by:

JNO. F. OBERLIN,

G. W. SAXWELL.