(No Model.)

E. H. HARTSHORN.

HOLDER FOR POLISHING MATERIAL.

No. 340,783. Patented Apr. 27, 1886.

Fig. 1.

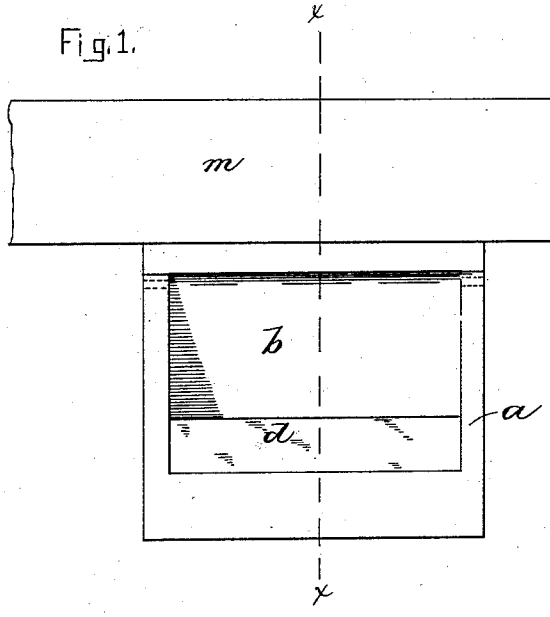
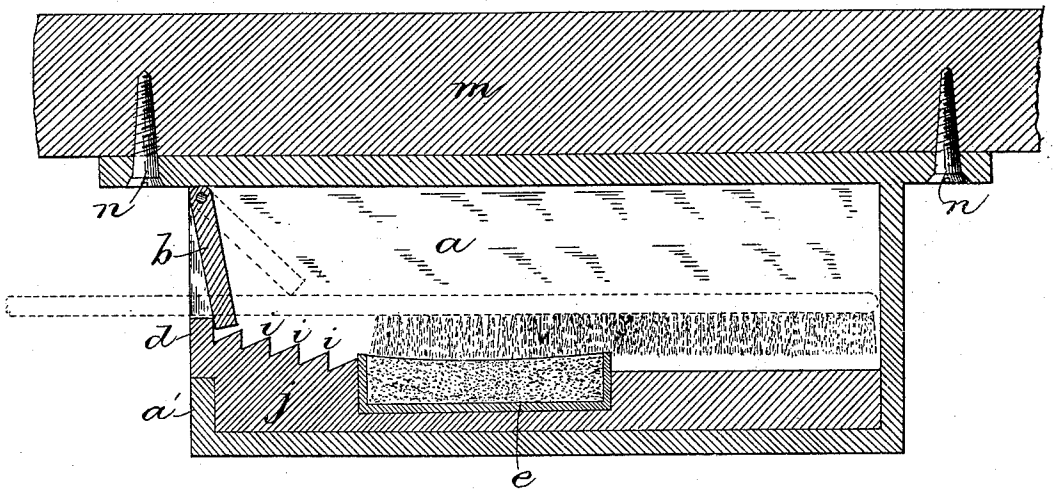


Fig. 2.



WITNESSES:
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UNITED STATES PATENT OFFICE.

EUGENE H. HARTSHORN, OF BOSTON, MASSACHUSETTS.

HOLDER FOR POLISHING MATERIALS.

SPECIFICATION forming part of Letters Patent No. 340,783, dated April 27, 1886.

Application filed April 9, 1885. Serial No. 161,659. (No model.)

To all whom it may concern:

Be it known that I, EUGENE H. HARTSHORN, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Holders for Polishing Material, of which the following is a specification.

This invention has for its object to provide improved means for holding powdered material for cleansing and polishing purposes, and for the preventing it from being scattered about by the brush which is used to apply it to the surfaces to be cleaned or polished.

The invention consists in a box adapted to hold powdered material, and provided with a self-closing door or lid which yields to permit the introduction of a brush into the box and closes when the brush is withdrawn, so as to prevent the powder which is agitated within the box by the brush from escaping from the box.

The invention also consists in a corrugated surface or its equivalent, placed within the box near the self-closing door, to dislodge from the brush the surplus powder adhering thereto, all of which I will now proceed to describe.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents an end elevation of my improved holder. Fig. 2 represents a section on line *x x*, Fig. 1.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents a box, which has an opening at one end large enough to admit a brush of the kind used by jewelers for polishing articles of gold and silver, said brush being shown by dotted lines in Fig. 2. Said opening is normally covered by a lid or door, *b*, pivoted to the box at its upper edge and adapted to swing inwardly to permit the introduction of the brush, as shown in dotted lines. When the brush is withdrawn, the lid swings downwardly, and its swinging edge bears against a shoulder, *d*, the box being thus closed, so that the agitated powder therein cannot escape. The powder may be placed loosely in the box, if desired, or it may be contained in a smaller box, *e*, in which it is put up for sale; or the powder may be in the form of a compressed piece or cake, like many of the metal-polishing preparations now in use.

I prefer to provide a roughened surface composed of a series of ridges or corrugations, *i i*, between the part of the box that contains the powder and the lid or door *b*. The brush in being withdrawn from the box, after being charged with the powder, rubs upon said corrugations, which dislodge from the brush the surplus powder, which would be likely to drop too freely from the brush and be scattered by it during the polishing operation. Said ridges may be made by corrugating a block inserted in the box, as shown in Fig. 2, or by fastening strips, slats, or wires to a suitable support or in any other suitable way. In the present instance I have shown a block, *j*, adapted to fill the bottom of the box *a*, and having at one end the ridges *i* and the shoulder *d*, against which the lid or door *b* bears when closed, and also having in its upper surface a recess, which receives the box *e* containing the polishing preparation. This block is preferably removable from the box *a*, and is kept in place by a lip, *a'*, affixed to the open end of the box. By raising the block *j* above the lip *a'* it may be withdrawn from the box for the purpose of inserting a new box of the polishing preparation.

The box is preferably secured to the under side of a jeweler's bench or table *m* by means of screws *n n*, passing through ears projecting from the top of the box at its ends.

It will be seen that the box constructed as described prevents the scattering of polishing-powders, and thus obviates the objectionable waste and litter which heretofore attended the use of such powders. The self-closing lid *b* also excludes dust from the outside, so that the powder in the box cannot become contaminated thereby.

I claim—

1. A box provided with a receptacle for powder and an automatically-closing door or lid which yields to permit the introduction of a brush and closes when the brush is withdrawn, whereby the powder is prevented from scattering after the withdrawal of the brush, as set forth.

2. A powder-holding box provided with an automatically-closing door or lid and internal ridges or corrugations near said door, whereby the surplus powder is dislodged from the brush, as set forth.

3. The block provided with the ridges or corrugations and with a recess to hold a powder-box.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 7th day of April, 1885.

EUGENE H. HARTSHORN.

Witnesses:
C. F. BROWN,
A. L. WHITE.