

(No Model.)

J. O. EGESTORFF.  
BLUING PACKAGE.

No. 577,732.

Patented Feb. 23, 1897.

FIG. 1.

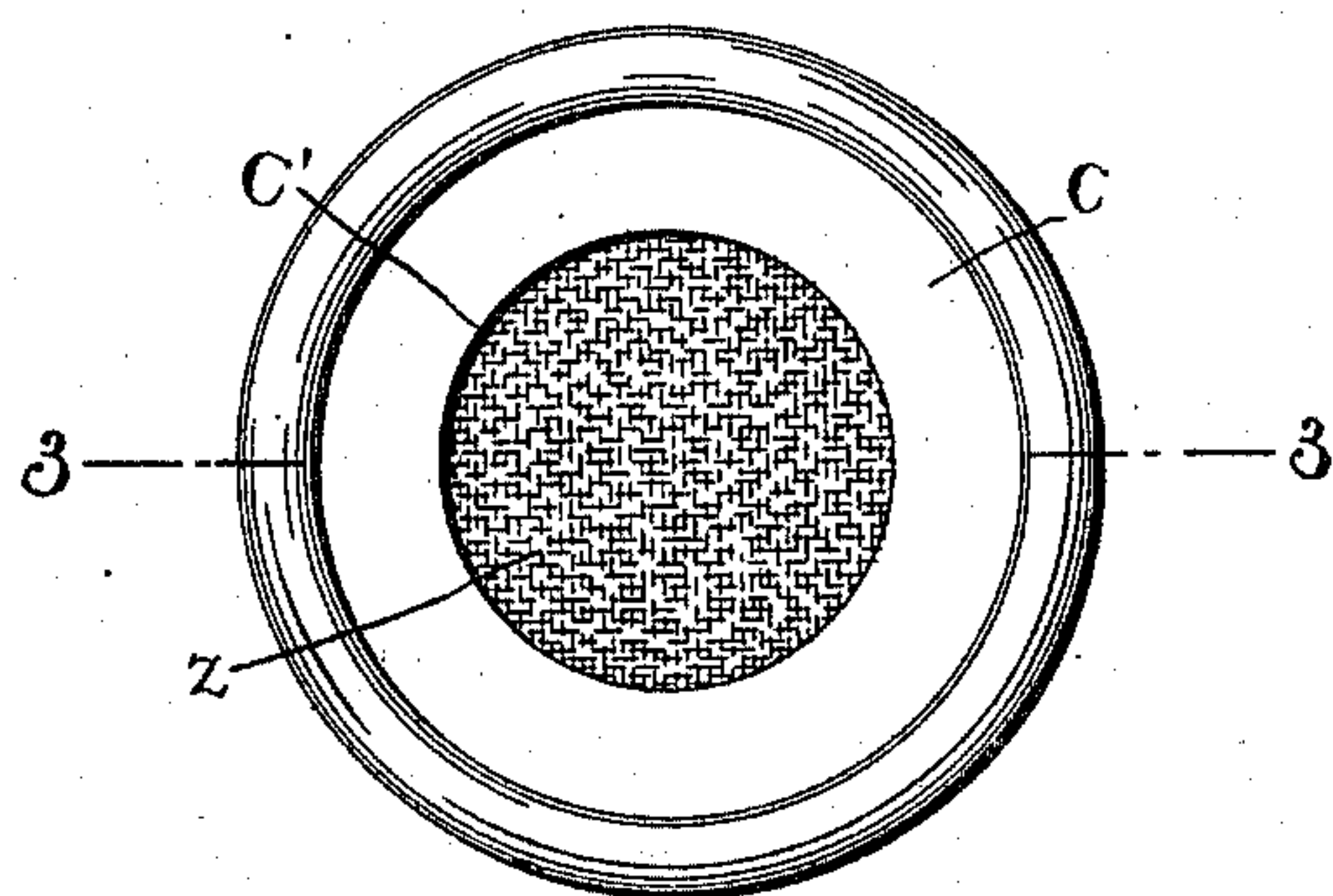


FIG. 3.

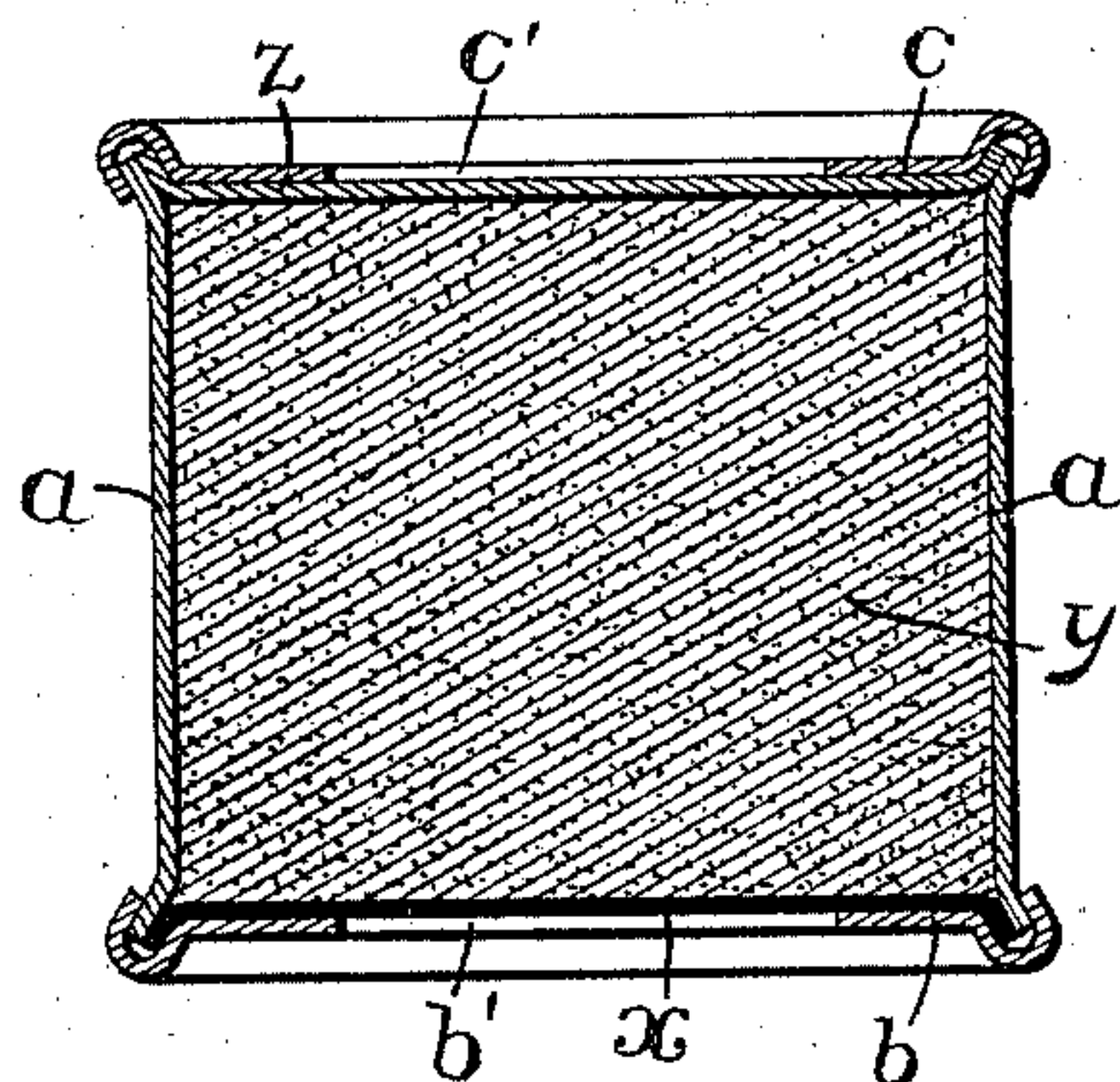
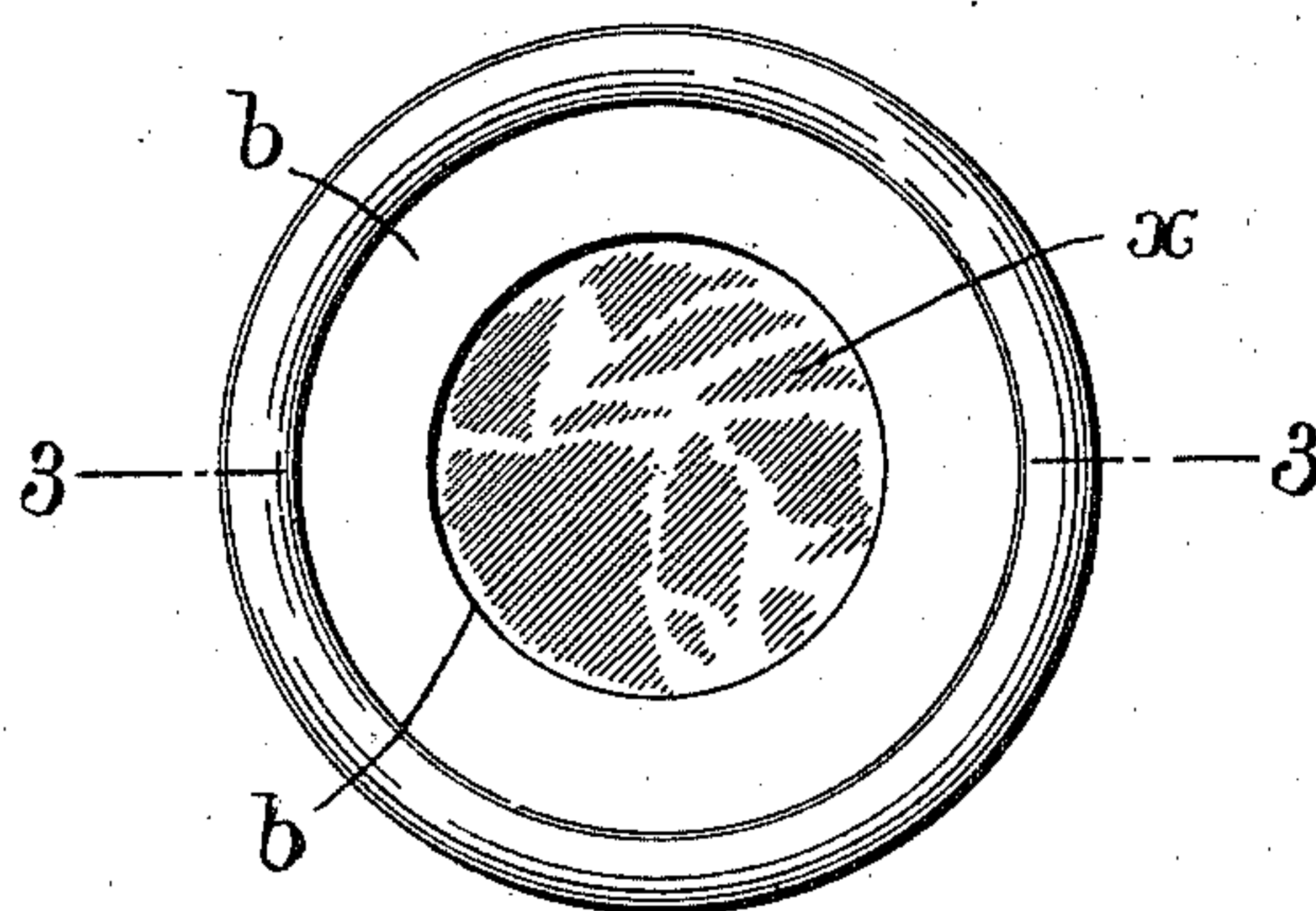


FIG. 2.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHANN OTTO EGESTORFF, OF LONDON, ENGLAND.

## BLUING-PACKAGE.

SPECIFICATION forming part of Letters Patent No. 577,732, dated February 23, 1897.

Application filed August 19, 1895. Serial No. 559,789. (No model.)

*To all whom it may concern:*

Be it known that I, JOHANN OTTO EGESTORFF, merchant, a subject of the Queen of Great Britain, residing at 331 Camden Road, Camden Town, London, England, have invented Boxes or Cases for Discharging Soluble or Pulverulent Material under Water, of which the following is a specification.

This invention relates to boxes or cases for discharging soluble or pulverulent material in regulated quantities under water, and is primarily designed as a means for holding and intermittently delivering material for coloring or impregnating water, such as laundry blue or washing blue, (either block or powder,) and prevent waste thereof when out of use, *i. e.*, between the several respective immersions, which it is well known an ordinary block of laundry blue serves for, and, furthermore, has for its object to provide a very simple and cheap box or holder which will act quickly and effectively to evenly discharge the desired quantity of coloring or other material and without lumps or flecking, which has not been possible with devices heretofore in use for delivering "washing blue."

My present invention consists of a case or vessel containing the blue or other material, a discharge aperture or apertures in said case or vessel, and a means of alternately creating suction and compression within said case when under water to thus alternately draw water into and then force same out of the said case, and thereby carry out some of the blue until sufficient has been discharged into the water, all of which will be described in detail hereinafter, and finally pointed out in the claim.

Referring to the accompanying drawings, Figure 1 is a plan view of the top or discharge end of a metal box or case according to my present invention. Fig. 2 is a plan of the opposite or bottom end of said box. Fig. 3 is a vertical sectional view on line 1 2, Figs. 1 and 2, filled with laundry blue, which may be in either a solid or in the well-known powder form.

*a* is a drum or body (advantageously formed of thin sheet metal, such as tin-plate, and of circular or other suitable shape) forming the side of the case and having the top *b* and bottom *c*, each of similar sheet metal, (or other

suitable material,) respectively secured thereon in any suitable manner, such as is well known in securing on the tops and bottoms of tin cans of various kinds. For instance, same may advantageously be simply seamed on with a "single" or "double" "seaming-machine."

The top *b* has an opening *b'* provided therein for permitting the discharge therethrough of the contents of the box. This aperture *b'* is provided with a suitable cover, grid, strainer, or material to prevent the contents of the box dropping out or too freely coming out, and this cover *x* may advantageously consist of a piece of flannel or other like textile secured across said aperture *b'* to act as a strainer, and said cover *x* can be mounted and secured in position by being laid in between the top *b* and the side *a* before the former is "seamed" onto the latter. The bottom *c* (attached to the side *a*, as aforesaid) has an opening *c'* therein large enough to admit the thumb or finger. Over this aperture is stretched a partition or diaphragm *z*, of elastic waterproof material, advantageously thin sheet india-rubber or imitations or equivalent thereof, and this sheet of india-rubber or elastic diaphragm *z* may be secured in position in any suitable manner over said aperture *c'*. For instance, same may be secured by laying it in between the bottom *c* and the side *a* of the box before seaming them together, so that when the bottom *c* has been seamed onto the side *a* the rubber *z* will be firmly held all around in said seam (in a similar manner to the flannel *x*) and consequently make a water-tight joint, so that no leakage or escape can take place through the said bottom aperture *c'*. (See Fig. 3.)

In Fig. 3, *y* designates the laundry blue or other material contained in the box, and this material may be either in a powdered or solid form, as preferred.

The operation is as follows: On immersing the box containing the blue, &c., in the water to be colored and placing the finger or thumb on the diaphragm *z* and alternately pressing and releasing this flexible diaphragm the water will be alternately forced out of and drawn into the box through the aperture *b'*, and this is continued until sufficient blue has been thereby expelled, whereupon the box is

lifted out of the water (drained, if desired) and then stood on its bottom *c* until more blue is again required to be discharged.

Having thus described my invention, what  
5 I claim as new, and desire to secure by Letters Patent of the United States, is—

A box for holding and discharging laundry blue or the like under water constructed of a sheet-metal body *a*, a bottom end *c* with an  
10 aperture *c'* therein, a flexible diaphragm of sheet-rubber or the like elastic material *z* laid in between the said bottom end *c* and the body *a*, and secured by seaming or crimping

the two latter together, a top end *b* with an aperture *b'* therein, and a diaphragm of flannel or other textile fabric *x* laid in between  
15 said top *b* and said body *a* and secured by seaming or crimping the two latter together, all combined and arranged to act substantially in the manner and for the purposes  
20 hereinbefore set forth.

JOHANN OTTO EGESTORFF.

Witnesses:

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