

H. M. CLARK.

Improvement in Dredge-Boxes.

No. 131,810.

Patented Oct. 1, 1872.

Fig: 1

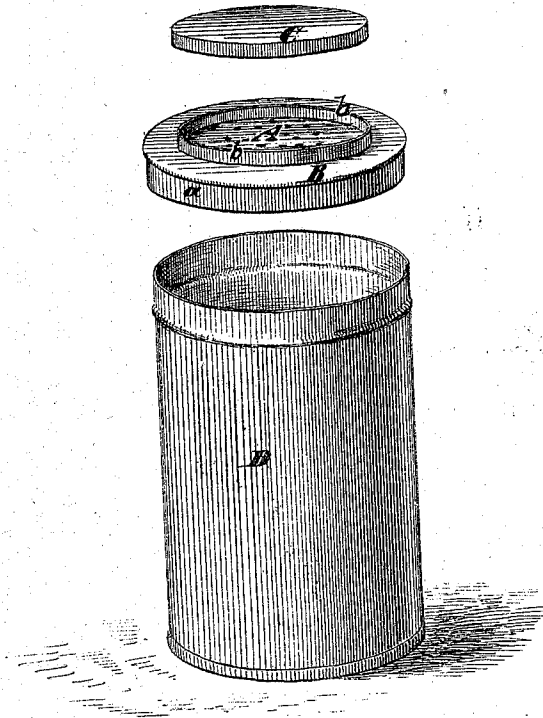
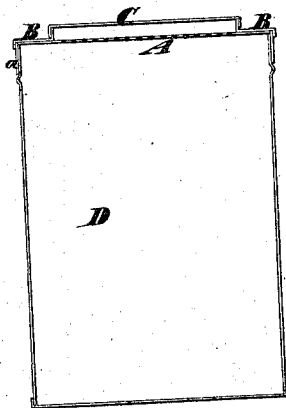


Fig: 2



Witnesses:  
*Geo. Harper*  
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per *Brown & Allen*  
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# UNITED STATES PATENT OFFICE.

HOLMES M. CLARK, OF TOLEDO, OHIO.

## IMPROVEMENT IN DREDGE-BOXES.

Specification forming part of Letters Patent No. 131,810, dated October 1, 1872.

*To all whom it may concern:*

Be it known that I, HOLMES M. CLARK, of Toledo, in the county of Lucas and State of Ohio, have invented an Improvement in Dredge-Boxes, of which the following is specification:

This invention relates to that class of dredge-boxes which have secondary covers for closing the perforations in their main covers or tops, and which may be made of sheet metal, paper, or other suitable material. It consists in the combination in such a dredge-box of a perforated plate and an annular plate having an upward flange on its inner edge or circumference, such plate forming the head of the main cover or top of the box, and a flanged cap, constituting the secondary cover, whereby a very good and perfect dredge-box is produced.

In the accompanying drawing, Figure 1 is a perspective view of the improved box with its covers detached, and Fig. 2 is a central vertical section of the same.

Similar letters of reference indicate corresponding parts in both figures.

D is the cylindrical portion or body of the box, which is made in the ordinary way. B is an annular plate, having on its inner edge or circumference an upwardly-projecting flange, *g*, and having its outer circumference turned over to secure it to the ring or band *a*, and to secure within it a plate, A. This plate A fits snugly against the plate B, and its portion

opposite the opening in the latter plate is perforated with small holes. These two plates A and B, with the ring *a* attached to the latter, constitute the main cover or top of the box. C is a cap of a size to fit over the upward flange *b* on the plate B, and cover the perforations in the plate A.

To fill the box with the substance to be dredged from it, the main cover A B is removed and the substance introduced. The cover is then replaced, and, when desirable to use the box, the secondary cover or cap C is removed, and the contents of the box may be dredged through the perforations in the main cover.

The advantages of this box are its peculiar strength and durability and the facility afforded by its construction for fitting the secondary cap perfectly—an effect which has not always been secured by other constructions.

### *Claim.*

A dredge-box cover or top constructed of an annular plate, B, having an upwardly-turned flange, *b*, and the perforated disk A, combined with the rim *a* or top of the box and the flanged cap C, substantially as described.

HOLMES M. CLARK.

Witnesses:

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