

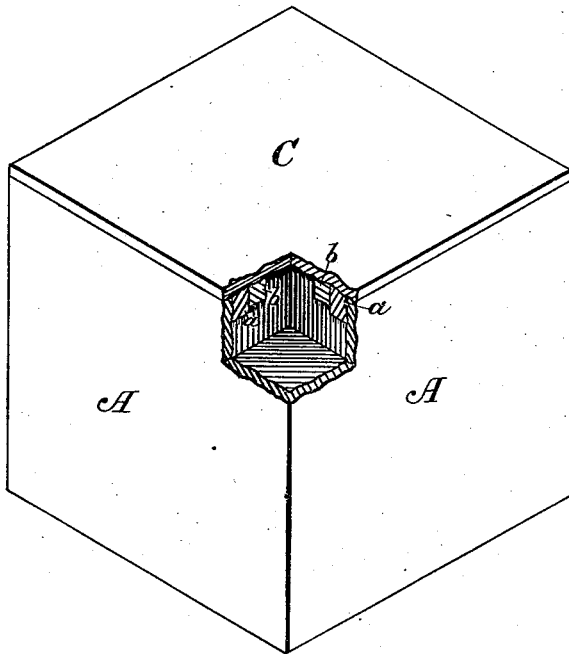
R. B. DAVIS.

PAPER-BOXES.

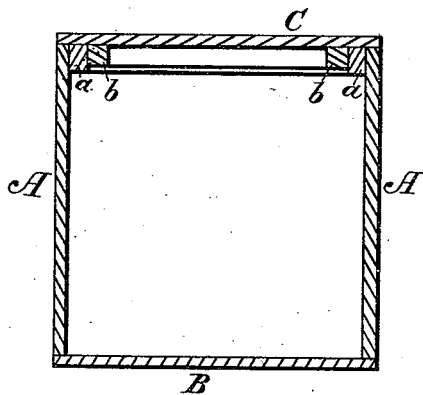
No. 186,811.

Patented Jan. 30, 1877.

*Fig. 1.*



*Fig. 2.*



*Attest:*  
*H. W. Schott*  
*W. Fenwick*

*Inventor:*  
*Robert B. Davis*

# UNITED STATES PATENT OFFICE.

ROBERT B. DAVIS, OF NEW YORK, N. Y.

## IMPROVEMENT IN PAPER BOXES.

Specification forming part of Letters Patent No. 186,811, dated January 30, 1877; application filed November 11, 1876.

*To all whom it may concern:*

Be it known that I, ROBERT B. DAVIS, of the city, county, and State of New York, United States of America, have invented certain new and useful Improvements in Boxes, of which the following is such a full, clear, and exact account as will enable others skilled in the art to which it pertains to construct the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, similar letters indicating corresponding parts in the different figures.

This invention relates to that class of boxes used by grocers and others for packing teas, coffees, spices, and other articles, and which are commonly constructed of thin layers of wood, or of paper, and are generally provided with a metallic lining to prevent the loss of aroma from their contents by evaporation; and the invention consists in the method of constructing and uniting the different parts of a box with each other, as will be hereinafter fully described, and then pointed out in the claim.

Figure 1 is a perspective view of the box with one of its corners removed to show the position of the stiffening-pieces. Fig. 2 shows a vertical section through both box and cover; and Fig. 3 exhibits a sectional modification of the invention in which the stiffening-pieces are left off of the cover.

In using boxes of this class, as heretofore constructed, difficulty has been experienced from the fact that the bottom was so cut as to fit within the sides; therefore when in handling it was accidentally dropped, or placed upon any uneven surface, the bottom would be forced inward, thus causing a loss of contents in two ways—viz., by sifting through the aperture, and by evaporation; and, further, the thinness of the material used in their construction gave so little material to which the cover could be nailed, that fastening them down in that manner was seldom tried.

The sides A of the box are formed of a strip of material bent to the proper shape, the ends lapped and glued, or otherwise secured to each other.

The bottom B is of such size as to completely overlap the sides all around, and is

securely attached to them, thus preventing the bottom from being pushed up into the box by any outside force.

Within the upper portion of and surrounding its interior is a stiffening piece or frame of wood, *a*, which is attached to the sides, and serves to give rigidity to that part of the box, as well as furnishing a material to which the cover can be nailed, when it is desired to secure it in place. A similar stiffening frame or piece, *b*, is also applied to the under side of the cover C, when the box is large, and the size of the cover would render it advisable to give it further strength than is furnished by the paper or veneer of which it is composed.

The metallic lining may be applied to the inner surface after the box is otherwise completed; or the lining may be applied to the material before it is made up.

After being otherwise completed, an outer covering of paper, having suitable figures and designs to indicate the purpose to which the box is to be applied is put on, thus completing the article, which will be found to possess many advantages over those in ordinary use for similar purposes, as the stiffening-pieces and general construction give greater strength and rigidity to the structure, allowing it to be constructed of lighter material than is ordinarily used for such purposes, and still retain the necessary powers of resistance, to prevent fracture in handling, while the strips of wood forming the stiffening-frame allow the cover to be secured by nailing, as in boxes made wholly of much thicker material.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent, the following:

A box the sides A of which have stiffening-strips *a* at their inner top edges, and the lid or cover C, having stiffening strips or pieces *b* attached to its under side to fit within the strips *a*, substantially as and for the purposes described.

In testimony whereof I have hereunto affixed my signature this 30th day of October, 1876, in presence of two witnesses.

ROBERT B. DAVIS.

Witnesses:

JAS. A. TAIT,

W. H. CHANDLER.