

C. M. ARTHUR

PAPER BOX.

No. 190,803.

Patented May 15, 1877.

fig. 1.

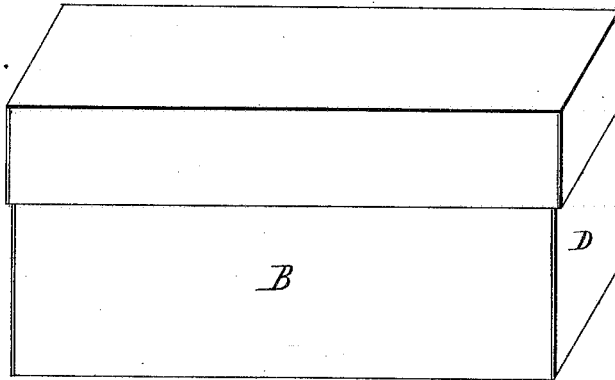


fig. 2

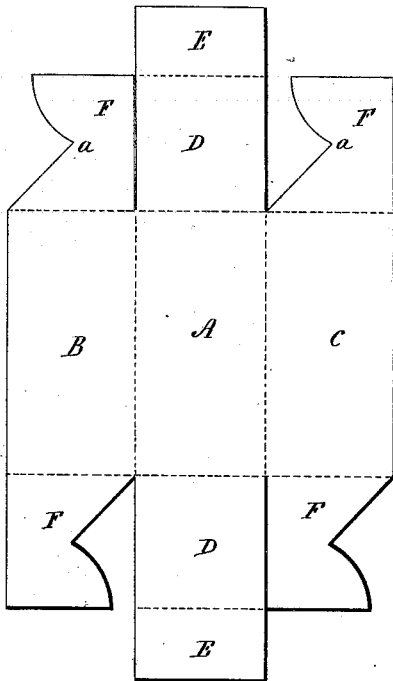


fig. 3.

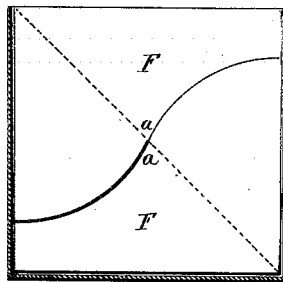
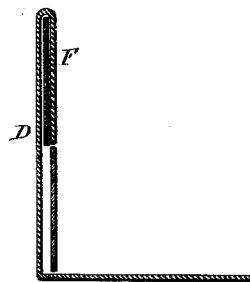


fig. 4



Witnesses

J. H. Shumway
Charles Broughton.

Chas. M. Arthur
By Atty. *Inventor*

Wm. S. Earle

UNITED STATES PATENT OFFICE.

CHARLES M. ARTHUR, OF ANSONIA, CONNECTICUT, ASSIGNOR OF ONE-HALF HIS RIGHT TO RICHARD R. COLBURN, OF SAME PLACE.

IMPROVEMENT IN PAPER BOXES.

Specification forming part of Letters Patent No. **190,803**, dated May 15, 1877; application filed April 12, 1877.

To all whom it may concern:

Be it known that I, CHARLES M. ARTHUR, of Ansonia, in the county of New Haven and State of Connecticut, have invented a new Improvement in Paper Boxes; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the box complete; Fig. 2, a diagram illustrating the method of cutting the paper preparatory to folding for the box, broken lines indicating the folds; Fig. 3, a transverse section looking toward one end, and in Fig. 4 a longitudinal section.

This invention relates to an improvement in that class of paper boxes which are provided with a removable or detached cover. It consists in the peculiar form of blank from which the box is folded, and secured together without paste or other means of securing than that offered by the peculiar cut.

The blank is cut from a sheet of paper or board, according to the size of the box required, in width equal to the sum of the bottom A, and two sides, B C, broken lines indicating the division between the sides and the length of the bottom and sides. At each end of the bottom the end D extends, and at the top of each end a flap, E. From each side, and in line with the sides, a projection, F, extends, in length nearly equal to the width of the

box. The two portions F at the same end are each cut with a notch, *a*, at the center, the one from the top edge downward and the other from the bottom edge upward; and this is best made of the V shape shown in Fig. 2. The notch *a* is distant from the sides equal to one half the width of the bottom. The sides are then turned up, and the two parts F at each end interlocked at the notch *a*, as seen in Fig. 3. Then the end D is turned upward and the flap E turned down upon the inside, and preferably inside of one of the parts F, so that the flap E will be held in its place. This completes the box.

The cover is made in like manner and of corresponding size, and the box in transportation may be opened into a flat sheet, and thus a large number would occupy but a small space compared to the size of the box; and the box is secured in its form without paste or other securing device than that afforded by the peculiar cut of the box.

I claim—

The herein-described box-blank for paper boxes, consisting of the bottom and two sides, each side having a projection to interlock with the corresponding projection from the other side, and the bottom with ends and flaps to turn up against the said side projections, over and down into the box, substantially as shown and described.

CHAS. M. ARTHUR.

Witnesses:

JOHN E. EARLE,
CLARA BROUGHTON.