

T. B. De FOREST.
Paper-Boxes.

No. 150,298.

Patented April 28, 1874.

fig. 1

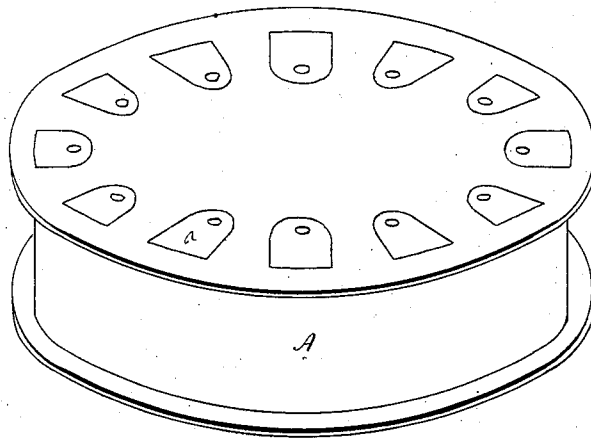


fig. 2

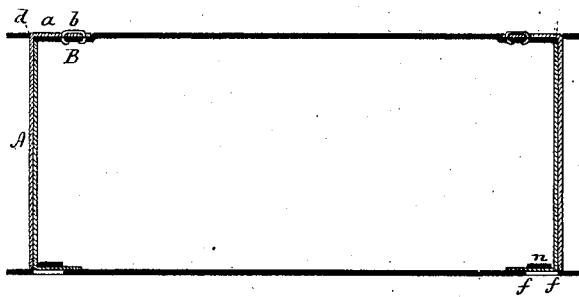


fig. 3

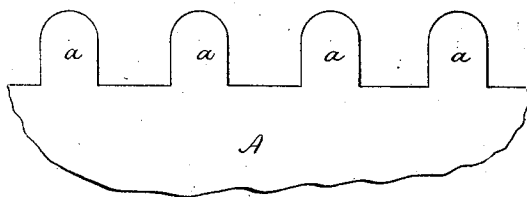
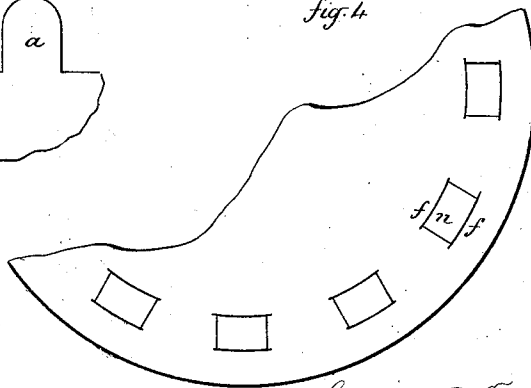


fig. 4



Witnesses.
J. H. Shumway
W. J. Tibbitts

Thomas B. De Forest
Inventor
By Atty.
John S. Earle

UNITED STATES PATENT OFFICE.

THOMAS B. DE FOREST, OF BIRMINGHAM, ASSIGNOR TO HIMSELF AND WALLACE & SONS, OF ANSONIA, CONNECTICUT.

IMPROVEMENT IN PAPER BOXES.

Specification forming part of Letters Patent No. 150,298, dated April 28, 1874; application filed February 18, 1874.

To all whom it may concern:

Be it known that L. THOMAS B. DE FOREST, of Birmingham, 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; Fig. 2, a vertical central section; and, in Figs. 3 and 4, diagrams illustrating the construction.

This invention relates to an improvement in the manufacture of paper boxes, with special reference to what are known as collar-boxes, but applicable to other purposes; the object being chiefly to dispense with the pasting operations or the use of any adhesive material; and the invention consists in forming tongues on one part and corresponding slits in another part, in passing the tongues through the said slits and turning the tongues down upon the surface, where they are secured by entering other slits, or by rivets or other suitable device.

I form the side A of the box with tongues, *a*, equidistant from each other, upon the lower edge, and the bottom or top, as the case may be, with corresponding slits, *d*, near its edge, so that the tongues will pass through the slits,

and then the tongues bent down upon the surface, as seen in Figs. 1 and 2. There they may be secured by tacks, *b*, or otherwise. Previous to bending the tongues down I preferably depress the surface of the bottom or top, as the case may be, as seen at B, Fig. 2, so that the outside will be flush. Instead of tacks, two slits, *f f*, Fig. 4, may be formed, and the material *n* between pressed through both slits, as seen in Fig. 2. This secures the parts together without rivets.

I have represented the box as for a collar-box—that is, the sides of equal height and one to close over the other, so that either may be the bottom or top; but this is immaterial to the invention. If preferred, the tongues may be formed on the edge of the bottom or top, and passed through corresponding slits in the side, and in like manner turned down and secured. The form of the box is also immaterial, as the invention is applicable to all shapes.

I claim as my invention—

A paper box, the bottom and top (one or both) secured to the sides by tongues on the one part inserted through corresponding slits in the other part and turned down onto the slotted part, substantially as specified.

THOMAS B. DE FOREST.

Witnesses:

A. J. TIBBITS,
J. H. SHUMWAY.