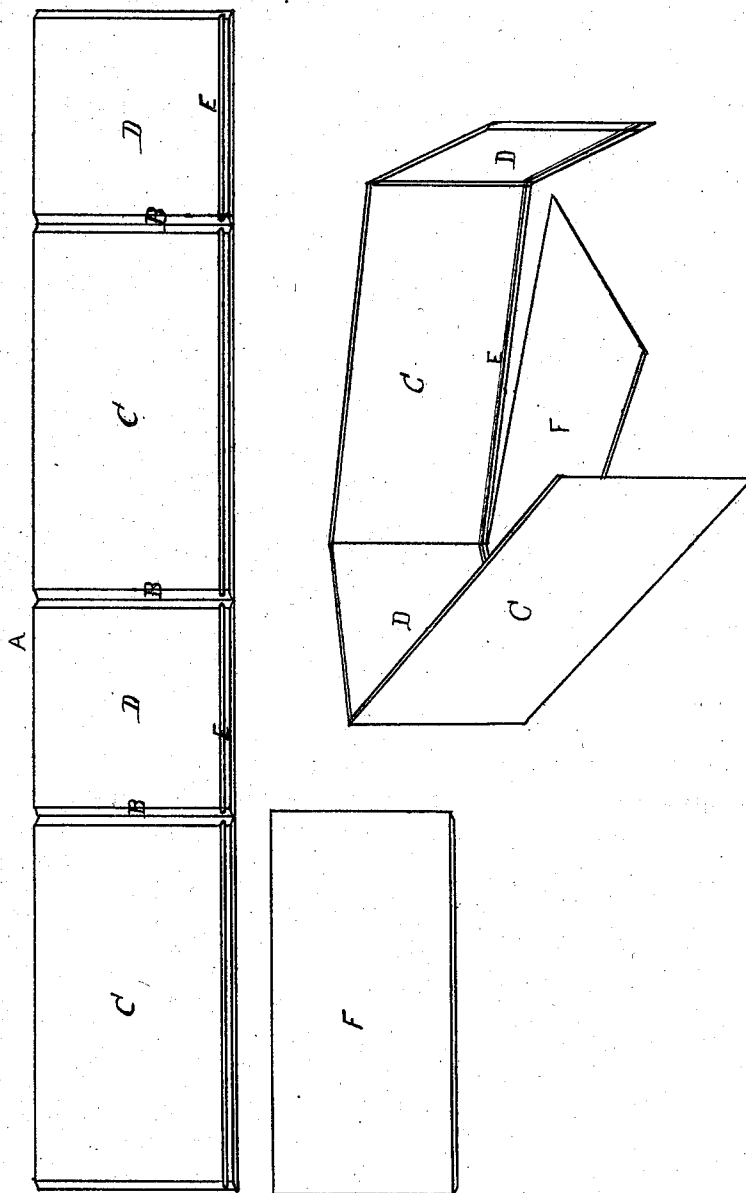


C. J. Siercks,

Box.

No. 106221.

Patented Aug. 9. 1870.



Witnesses

C. A. Frost.
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UNITED STATES PATENT OFFICE.

CHARLES J. SIERCKS, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN BOXES.

Specification forming part of Letters Patent No. **106,221**, dated August 9, 1870.

To all whom it may concern:

Be it known that I, CHARLES J. SIERCKS, of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in the Manufacture of Boxes; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

Figure 1 is a perspective view of a strip of board cut ready to be formed into a box. Fig. 2 is a plan view of the bottom of a box. Fig. 3 is a perspective view of the cut board, partly folded upon the bottom to form a box.

Similar letters of reference indicate corresponding parts in the several figures of the drawing.

My invention has for its object to improve the construction of wooden boxes, and is especially applicable to cigar or other light boxes.

The invention consists in forming the boxes by cutting a series of beveled transverse grooves partially through a strip of board, of a width corresponding to the desired depth of the box, and then folding the same into the form of a box, the board being also grooved longitudinally at or near one edge to receive and hold the beveled edge of the bottom when the board is folded, the joints of the box being glued or otherwise secured together, as will be hereinafter more fully described.

In the accompanying drawing, A is a thin strip of wood of a width corresponding to the depth of the box to be made and of a length sufficient to form the sides and ends of an ordinary cigar-box. B B are a series of beveled transverse grooves cut nearly through the board, at such distances apart that when the board is folded in the line of said grooves it shall form the sides C and the ends D of a box. The degree of bevel imparted to the grooves is sufficient to produce snug joints when the board is folded to form the box. The ends of the box are also given the same degree of bevel to fit snugly upon one another when the board is folded.

E is also a beveled groove, formed longitudinally in the board at or near one edge before folding, and is adapted to receive and hold the beveled edges of the bottom F when the box is folded up.

Fig. 3 shows the board partially folded in the line of its transverse grooves to secure the bottom and form a box.

Before the box is formed the joints should be coated with glue, so that after the folding has been completed all the parts will be firmly secured together.

The boards may be sawed out by machinery in long strips, and the groove E formed before the strips are cut up into box lengths.

This latter operation may also be effected by machinery at the same time the transverse grooves are formed by cutting said grooves entirely through the strips at regular intervals.

By my invention cigar and other light boxes are readily and perfectly formed at a much less expense of labor and money than is now employed in their manufacture, besides producing much more serviceable boxes than those now in use.

I do not desire to confine myself to the manufacture of light boxes, as large and heavy boxes may be constructed in the same manner without departing from my invention.

If desired, strips of cloth or paper may be pasted over the joints and corners of the box after being formed; but this is not absolutely essential.

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

As a new article of manufacture, a wooden box formed by a folding strip of wood in the line of a series of beveled transverse grooves formed partially through the same upon a bottom whose beveled edges fit within a longitudinal groove formed in the strip of wood at or near one edge, substantially as described, for the purpose specified.

CHARLES J. SIERCKS.

Witnesses:

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E. A. ELLSWORTH.