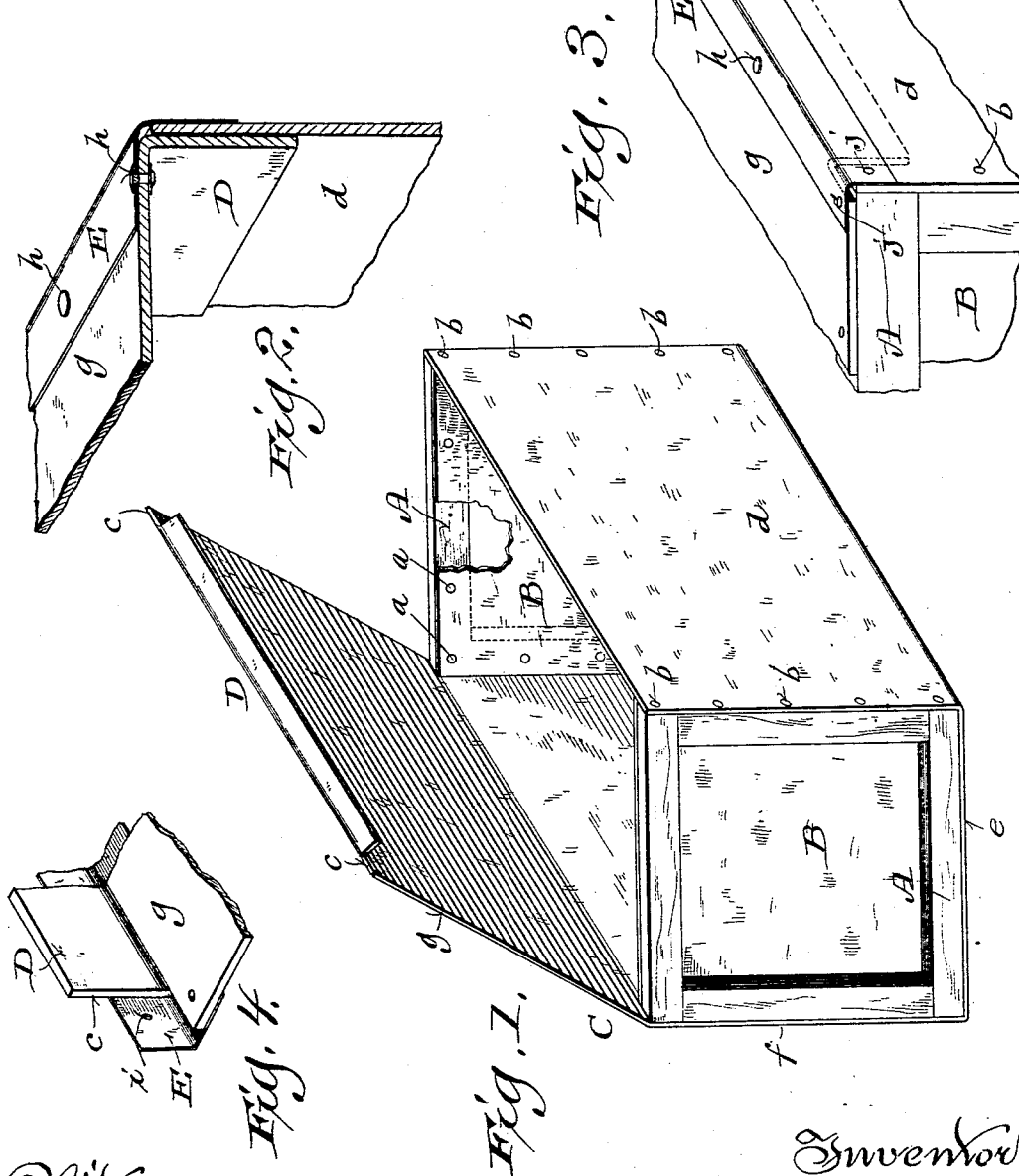


(No Model.)

C. M. GREEN.
BOX.

No. 573,782.

Patented Dec. 22, 1896.



Witnesses:
Geo. W. Young,
Henry Cantant.

Inventor:
Chas. M. Green.

By H. G. Underwood
Attorney

UNITED STATES PATENT OFFICE.

CHARLES M. GREEN, OF HIGHLAND PARK, ILLINOIS.

BOX.

SPECIFICATION forming part of Letters Patent No. 573,782, dated December 22, 1896.

Application filed July 1, 1895. Serial No. 554,534. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. GREEN, a citizen of the United States, and a resident of Highland Park, in the county of Lake and State of Illinois, have invented certain new and useful Improvements in Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has especial reference to that class of boxes used for packing and shipping merchandise; and my object is the production of such a box combining the greatest amount of strength with the least amount of weight, to which end my said invention consists in certain peculiarities of construction and combination of parts, as will be fully set forth hereinafter and subsequently claimed.

In the drawings, Figure 1 is a perspective view of a box embodying my present invention, partially broken away and with the brace and fastening device removed the better to illustrate certain details of construction. Figs. 2, 3, and 4 are detail perspective views more especially illustrating the said brace and fastening device.

Referring to the drawings, A A represent the frames of the end sections of my box, each frame made, preferably, of four strips of wood, which may be simply nailed together to form a skeleton frame, to which frame is secured, as by tacks or nails *a a* on the inner side, a sheet of stout tough wood-pulp B.

C represents a continuous sheet of this wood-pulp, which is carried around said end sections and tacked or nailed thereto, as shown at *b b*, forming thereby continuous sides, bottom, and top or cover *d e f g*.

D represents the front flap of the top or cover part *g*, which is bent downward and reduced in width by cutting out the front corners of the said top part, as shown at *c c*, so that the flap D will fit inside the front side *d* of the box.

E represents an angular strip of sheet metal, such as tin-plate, which is secured to the top or cover plate *g* of the continuous sheet C, as by rivets *h h*, and provided at its ends with holes *i*, so that when the box is closed nails *j* can be readily driven therethrough and through the parts *g d* of the sheet C into the

end frames A. This angle-piece E, besides closing the box tightly and affording a convenient means of fastening the same, also forms a lateral strengthening-brace.

The wood-pulp is subjected in the process of manufacture to chemical treatment, which renders it waterproof, and my box as thus made is very strong and durable, with a continuous smooth inner surface, as well as externally smooth on the top, bottom, and sides, and, above all, is very light, which is a great advantage, as the saving in freight incident to this lightness more than pays for the cost of the box, which latter, moreover, is very cheap.

My wood-pulp covering is everywhere imperforate and of equal thickness, and as it is neither scored, grooved, nor otherwise weakened where it is bent over there is no danger of the box becoming broken at such parts either from rough handling or from the contact or movement of the contents during transit, as frequently happens with boxes having bent wood or pasteboard bottoms, tops, and sides scored or grooved at the points where the material is bent.

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

A packing-box, comprising skeleton end frames, having sheets of wood-pulp secured to the inner faces thereof, and a single sheet of wood-pulp bent continuously around and secured to said end frames to form the sides, bottom and top of the box, and an angular strip of sheet metal secured to the front edge of the top or cover portion and provided with holes at the ends thereof, said strip projecting down over the front side of the box to form a strengthening-brace and fastening device, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Highland Park, in the county of Lake and State of Illinois, in the presence of two witnesses.

CHARLES M. GREEN.

Witnesses:

F. W. BEUTEL,
EDWIN HARRIS.