

No. 689,582.

Patented Dec. 24, 1901.

J. H. GREENSTREET.
BOX.

(Application filed Apr. 18, 1901.)

(No Model.)

Fig. 1.

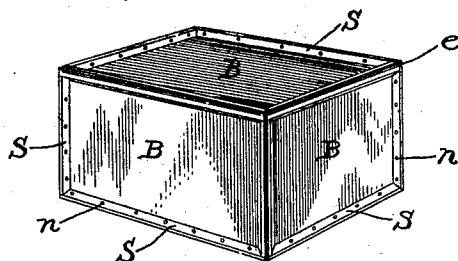


Fig. 2.

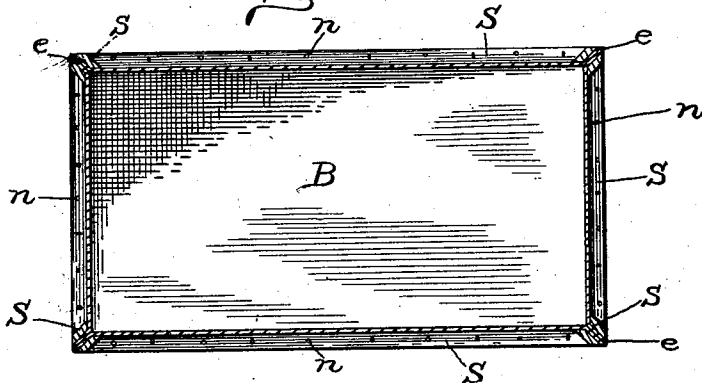


Fig. 3.

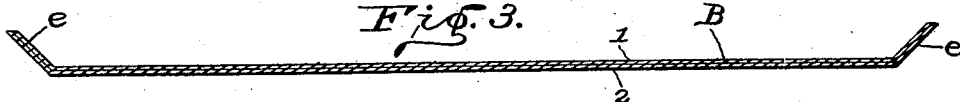
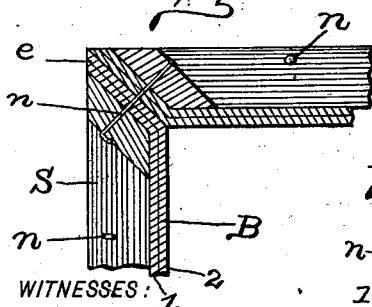


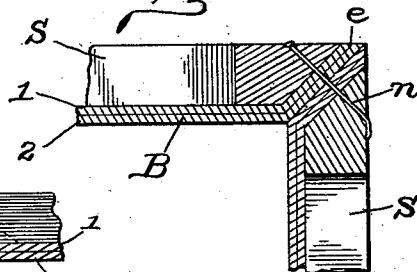
Fig. 4.



WITNESSES:

C. S. Frye
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Fig. 5.



INVENTOR

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BOX.

SPECIFICATION forming part of Letters Patent No. 689,582, dated December 24, 1901.

Application filed April 18, 1901. Serial No. 56,466. (No model.)

To all whom it may concern:

Be it known that I, JASON H. GREENSTREET, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

The object of my said invention is to produce a light and convenient packing-box in which such material as cheap veneers may be utilized and which shall be strong and durable.

A packing-box embodying said invention will be first fully described and the novel features thereof then pointed out in the claims.

Referring to the accompanying drawings, which are made a part hereof, and on which corresponding reference characters indicate similar parts, Figure 1 is a perspective view of a box embodying my said invention; Fig. 2, a central vertical sectional view of the same; Fig. 3, a sectional view of one of the blanks of which the sides of the box are composed separately; Fig. 4, a detail sectional view similar to a portion of Fig. 2, but on an enlarged scale, showing the construction more plainly; Fig. 5, a view similar to Fig. 4, but showing a slightly-different form of corner-strip; and Fig. 6, a view of an alternative form.

My improved box is composed of blanks forming the sides, having bent edges which are secured together and are preferably provided with reinforcing and clamping strips at the corners. The sides (by the term "sides" I mean to comprehend all the sides, including what are frequently designated the "top," "bottom," and "ends") may be composed of any material sufficiently flexible to be bent properly to form the hereinafter-specified corners. I prefer to make these sides or blanks from cheap veneers or thin-cut lumber. Each side or blank B is preferably formed of two thicknesses 1 and 2, arranged with their grain crossing each other and glued, stapled, or nailed together. They are pressed into the form shown, the edges *e* when completed extending out at an angle of about forty-five degrees from the face thereof, so that when several of the blanks are assembled together these bent-out portions or edges will fit against each other in

forming the box. After the edges of the blanks have been assembled, as stated, with the edges brought together, suitable corner-strips S (generally formed of wood) are in my preferred construction placed against them and there secured, generally by nailing, the nails *n* passing through both the two abutting edges of the blanks or sides and the two strips, (one on either side thereof,) as shown, these thus completing the corner. The nails used are generally long enough to be clenched, and thus the parts are held together very securely.

The corner-strips are shown as diamond-shaped in cross-section, and I prefer them to be in this form; but obviously different forms may be used as desired, and I have shown one such different form in Fig. 5. Strips may be interposed between the edges of the sides, if desired. When used, these strips may, if desired, be wedge-shaped, in which case the angle to which the edges of the sides are bent would be less and the thickness of the outside corner-strips (if used therewith) would likewise be less. This interposed strip, however, if used at all should generally be used only on comparatively large boxes and is not, in my judgment, necessary on any. Such a corner-strip is illustrated in Fig. 6, which also shows the outside corner-strips omitted and their location indicated by means of dotted lines.

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

1. A box comprising straight sides of thin material joined together at the angles by having their contiguous edges bent outwardly at the proper angle to bring their faces to fit together, strips of angular form being fitted into the corners on opposite sides of said turned-out edges, and nails or such like fastening devices being driven through said strips and said turned-out edges from one side and clenched on the other, whereby said edges are clamped between said strips, and a strong and rigid corner secured, substantially as set forth.

2. The combination, in a box, of box sides composed of two thicknesses of thin veneer secured together with the grains thereof crossing each other, each edge being bent out-

wardly and thus adapted to fit against other
corresponding edges when assembled there-
by forming the corners of the boxes, and re-
inforcing corner-strips secured to said edges,
5 the adjacent edges and their respective cor-
ner-strips being adapted to be secured to-
gether by nails extending through the whole.

In witness whereof I have hereunto set my
hand and seal, at Indianapolis, Indiana, this
15th day of April, A. D. 1901.

JASON H. GREENSTREET. [L. s.]

Witnesses:

CHESTER BRADFORD,
CAREY S. FREY.