

No. 628,531.

Patented July 11, 1899.

J. H. GREENSTREET.
BOX.

(Application filed Apr. 11, 1898.)

(No Model.)

Fig. 1.

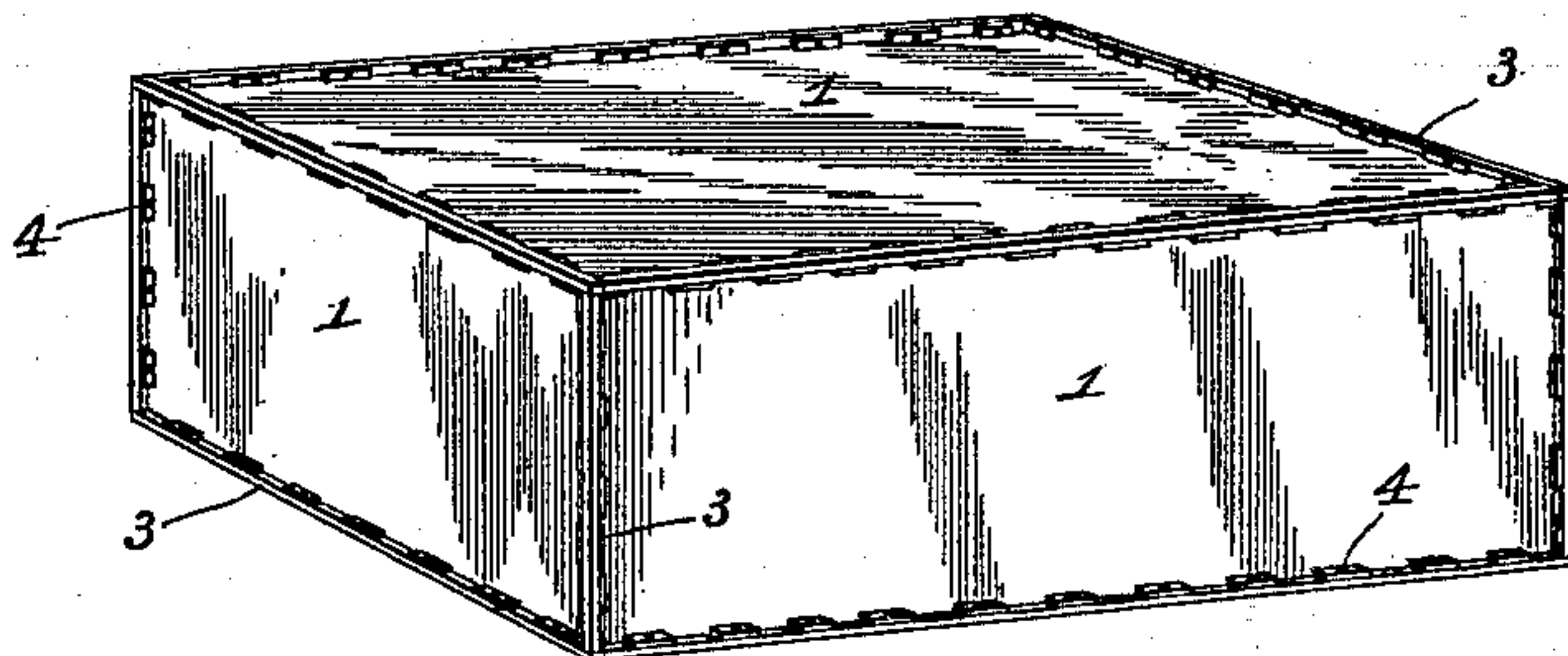


Fig. 2.

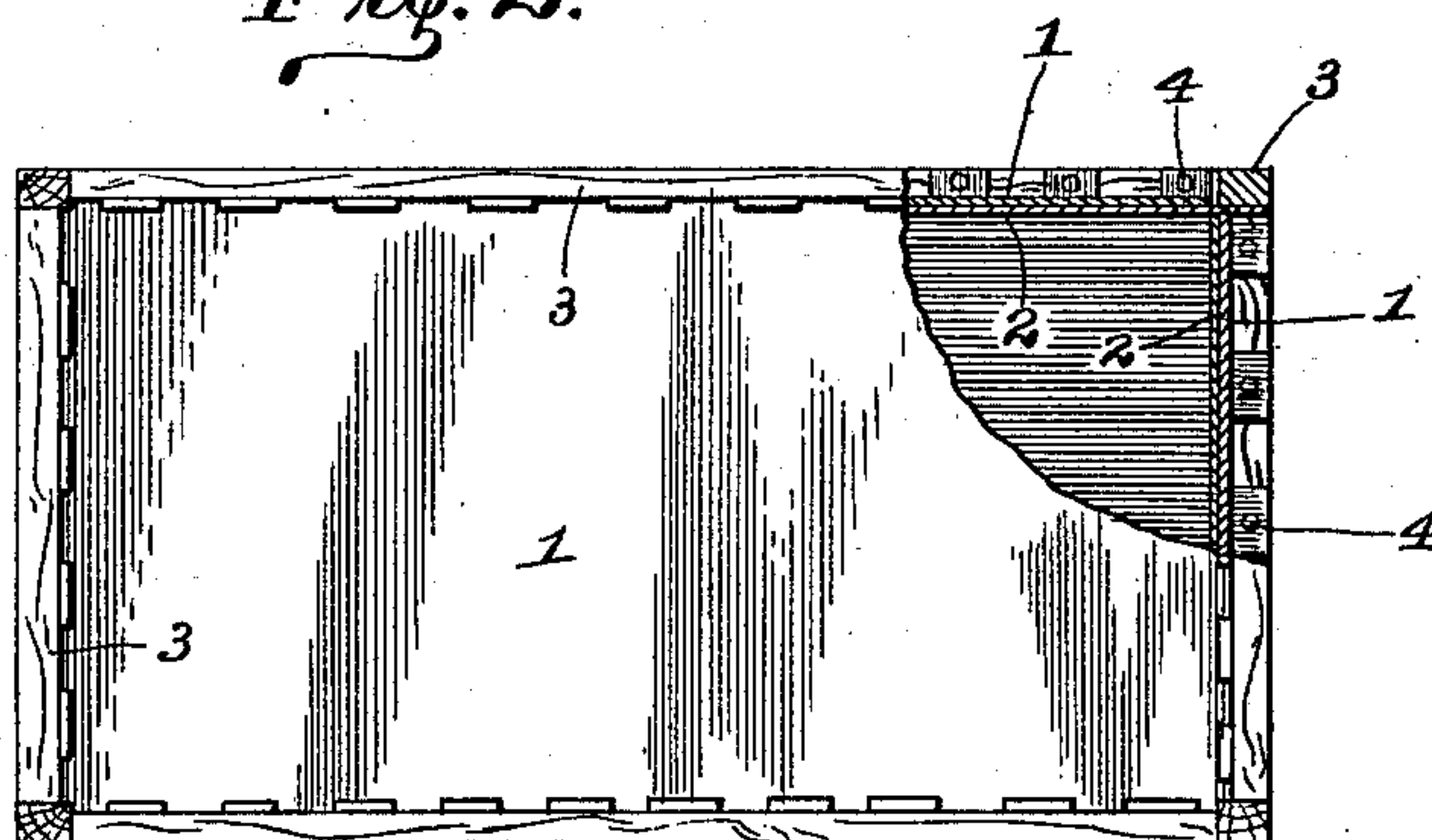


Fig. 4.

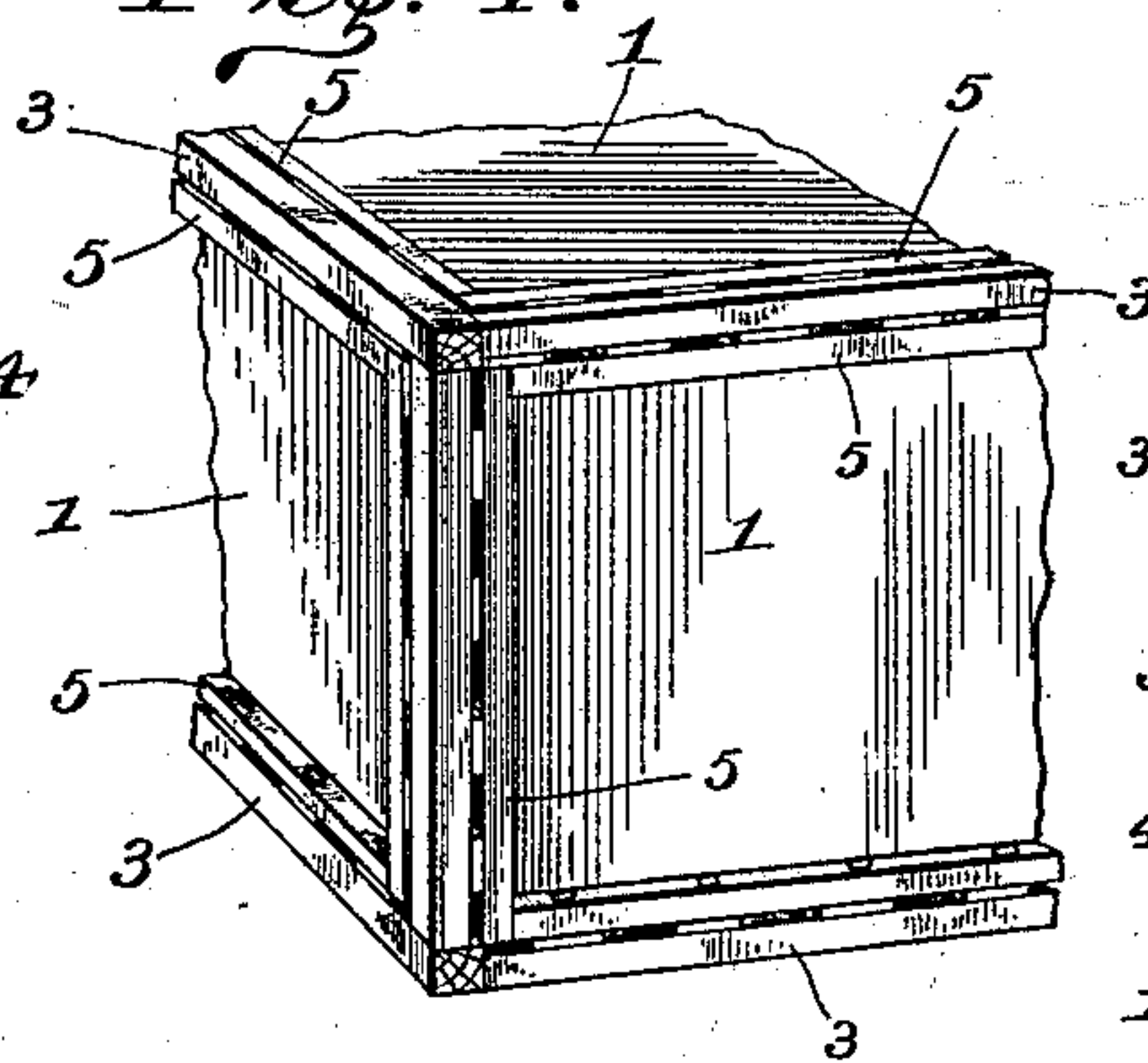


Fig. 3.

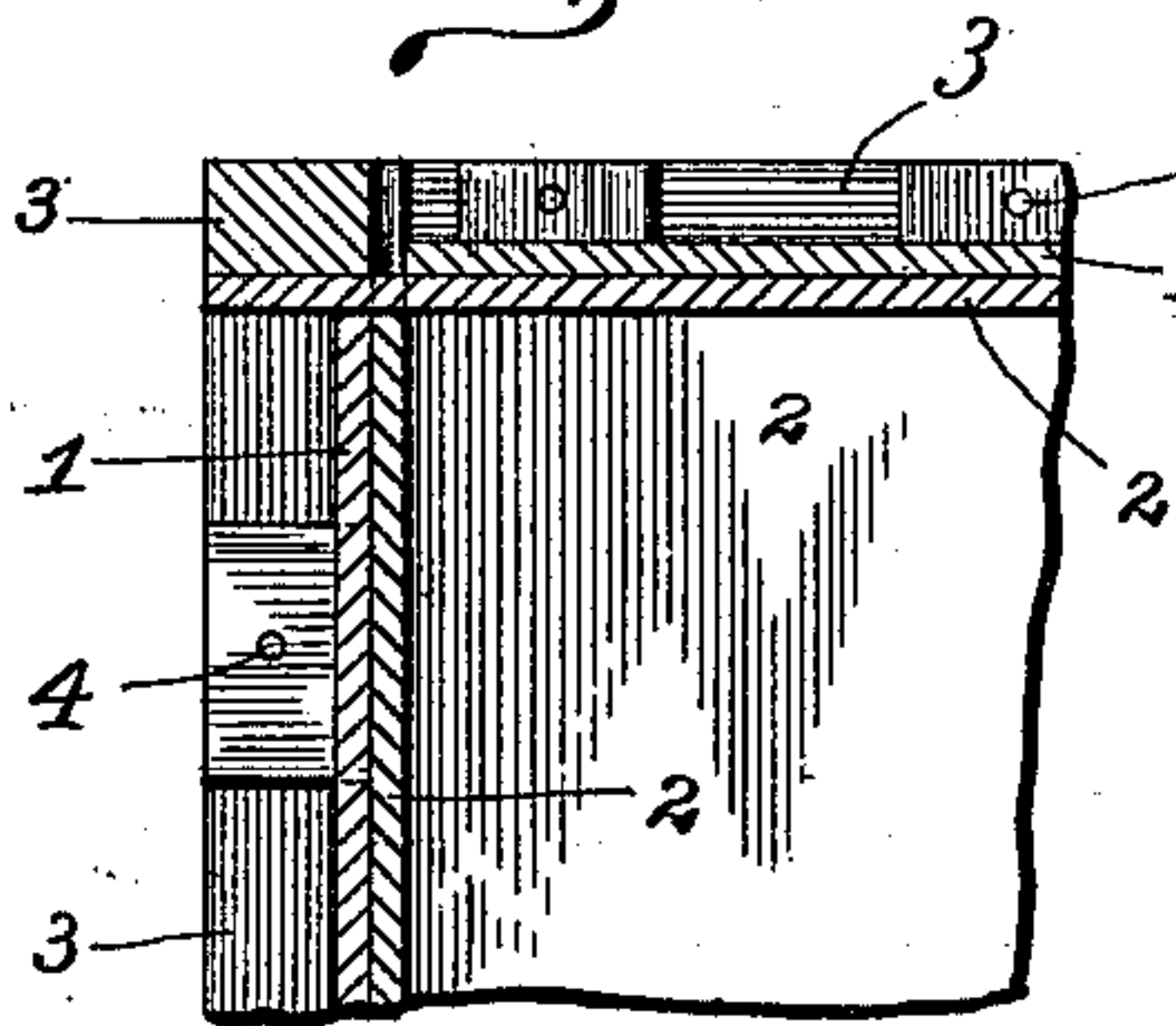
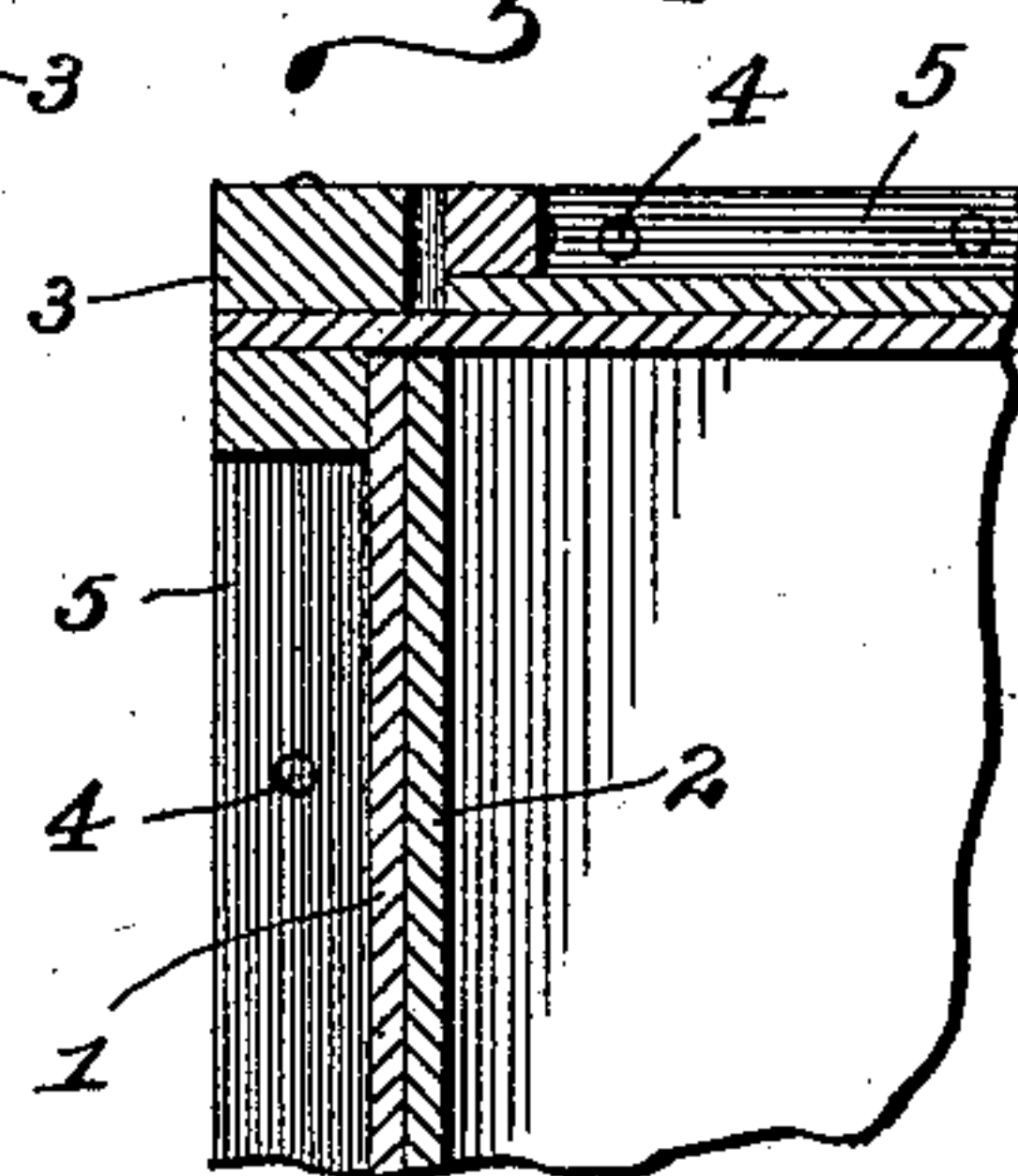


Fig. 5.



WITNESSES:

C. S. Frye.
J. A. Walsh.

INVENTOR

Jason H. Greenstreet,

BY

Chester Bradford,
ATTORNEY.

UNITED STATES PATENT OFFICE.

JASON H. GREENSTREET, OF INDIANAPOLIS, INDIANA.

BOX.

SPECIFICATION forming part of Letters Patent No. 628,531, dated July 11, 1899.

Application filed April 11, 1899. Serial No. 712,606. (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 present invention is to produce a box having substantially the lightness of veneers or correspondingly thin lumber and at the same time a good degree of strength.

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 similar reference characters indicate similar parts, Figure 1 is a perspective view of a box constructed in accordance with my said invention; Fig. 2, a side elevation of the same, one corner being broken away and showing the structure in section; Fig. 3, a similar view of one corner of such a box, having an additional or reinforcing strip in each corner; Fig. 4, a perspective view of one corner of such a box, having an additional or reinforcing strip in each corner; and Fig. 5, a sectional view similar to Fig. 3 of the construction shown in Fig. 4.

The box is composed of sides and ends provided with interlocking tongues or fingers, between the ends of which nailing-strips are placed. In order that the fingers may be formed at all corners, the sides and ends are each formed in two thicknesses 1 2, and these are laid so that the grain crosses each other, the ends of one thickness extending to the sides of the box and the ends of the other thickness extending to the ends of the box. All the sides and ends are preferably alike in this particular. As best shown in Figs. 3 and 5, a corner strip or cleat 3 is interposed between the projecting ends of the tongues or fingers on the parts 1 and 2, and in the construction shown in Fig. 3 the nails 4 are driven through these tongues or fingers directly into these strips. In the construction best shown in Fig. 5 the reinforcing-strip 5 is added, so that the tongues or fingers on the ends of the

side and end pieces 1 2 are between them, and the nails 4 are driven through the whole, as shown in Fig. 5.

These boxes are of especial value in shipping long distances, where the greatly-decreased weight makes a large saving in the item of freight—as, for example, in exporting meats—as by this construction boxes of substantially the same strength are secured, but little, if any, exceeding one-half the weight of boxes of the same capacity of ordinary construction. Boxes of this construction, too, also afford excellent handholds by which their handling is much facilitated, there being the projecting strips or cleats at all the corners, which can be readily grasped. It also insures freedom from surface contact with the cars or vessels in which the shipments are being made, giving better ventilation and precluding the absorption of dampness from surrounding or adjacent structures.

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

1. As a new article of manufacture, a box composed of comparatively thin material the ends being composed of two thicknesses of said material running transversely to each other, and the ends and sides both having tongues or fingers formed on the ends of the material composing the same which fingers cross or interlace each other at the corners of the box, and cleats or strips to which said tongues or fingers are secured, whereby the eight end corners of the box may be strongly secured by the uniting of said tongues or fingers and said strips.

2. A box composed of two thicknesses of thin material having tongues or fingers upon its ends the two thicknesses running crosswise of each other and tongues or fingers thereon interlacing where they come together at the corners of the box, and strips or cleats laid in the angle formed by the crossing tongues or fingers and secured thereto, substantially as set forth.

3. A box composed of thin material having tongues or fingers at the ends which cross each other at the corners of the box where they come together, strips or cleats laid in

the angle formed by the crossing of said
tongues or fingers, and reinforcing strips or
cleats laid inside said tongues or fingers
whereby said tongues are secured or clamped
5 between two strips or cleats, substantially as
set forth.

In witness whereof I have hereunto set my

hand and seal at Indianapolis, Indiana, this
3d day of April, A. D. 1899.

JASON H. GREENSTREET. [L. S.]

Witnesses:

JAMES A. WALSH,
C. S. FRYES.