

(No Model.)

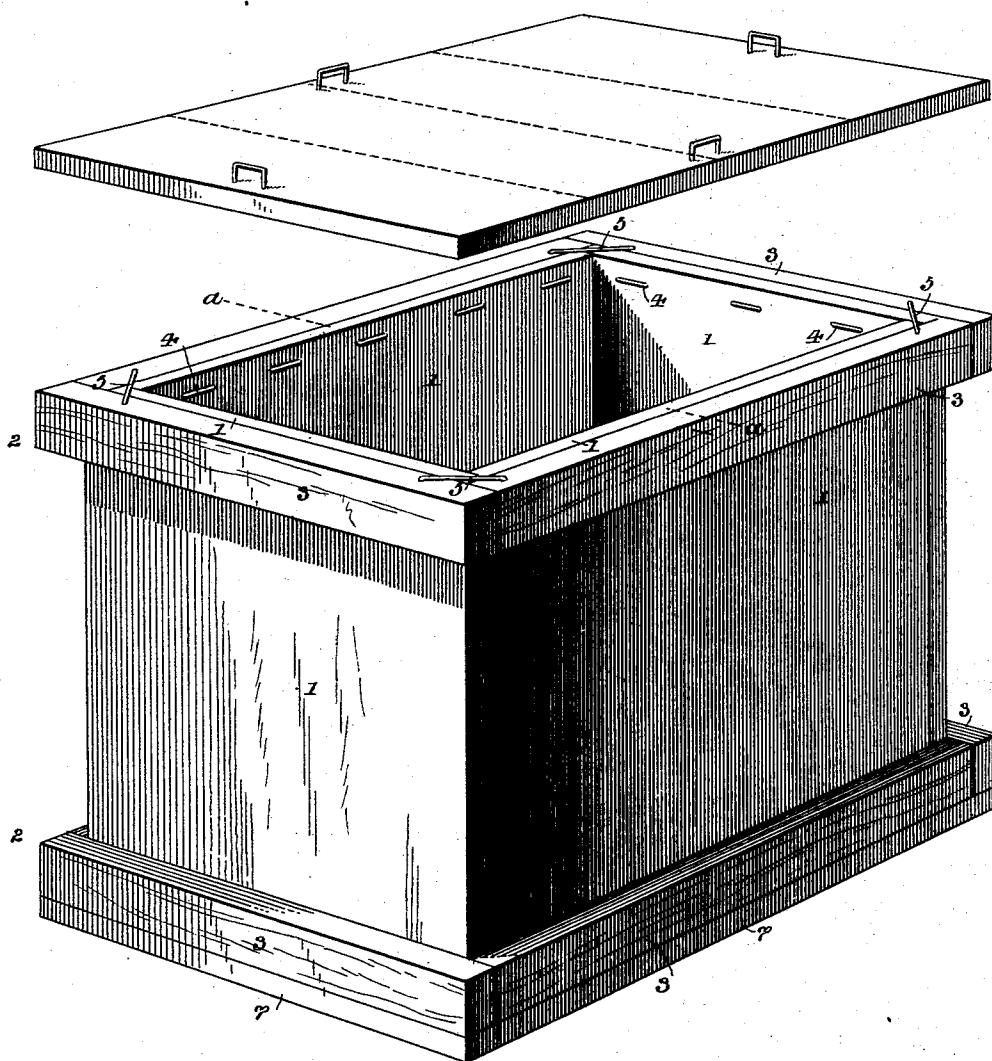
2 Sheets—Sheet 1.

McCLINTOCK YOUNG.
BOX.

No. 570,530.

Patented Nov. 3, 1896.

Fig. 1.



WITNESSES:

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J. S. Elmer

INVENTOR

McClintock Young
BY
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ATTORNEY.

(No Model.)

2 Sheets—Sheet 2.

McCLINTOCK YOUNG.
BOX.

No. 570,530.

Patented Nov. 3, 1896.

Fig. 2.

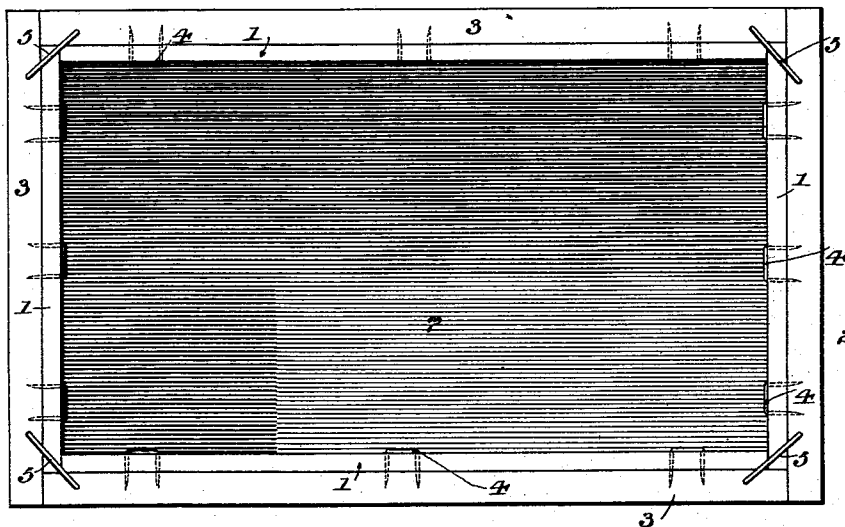
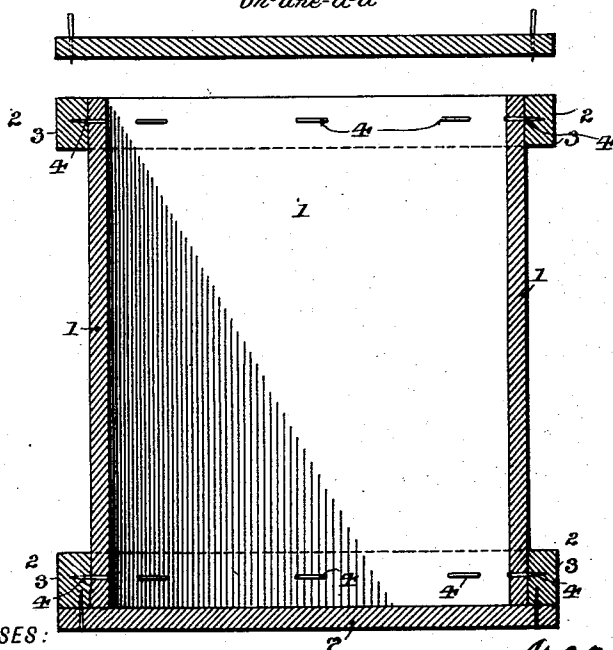


Fig. 3.
On line a-a



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UNITED STATES PATENT OFFICE.

McCLINTOCK YOUNG, OF FREDERICK, MARYLAND, ASSIGNOR TO THE PALMETTO FIBRE COMPANY, OF SAME PLACE AND CHICAGO, ILLINOIS.

BOX.

SPECIFICATION forming part of Letters Patent No. 570,530, dated November 3, 1896.

Application filed April 7, 1896. Serial No. 586,541. (No model.)

To all whom it may concern:

Be it known that I, McCLINTOCK YOUNG, of Frederick, county of Frederick, and State of Maryland, have invented a new and useful
5 Improvement in Boxes, of which the following is a specification.

The object of my invention is to provide a box for packing or analogous purposes which will combine lightness, durability, and
10 strength, and the manufacture of which will be attended with a minimum expense.

With these ends in view I form the four sides or walls of the box of very thin material, preferably wood, and I surround these
15 sides at their opposite ends only with two rectangular frames to which the sides are securely fastened, and to the frames and the ends of the sides I apply the top and bottom of the box, as will be more fully described
20 hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of a box constructed in accordance with my invention. Fig. 2 is a top plan view of the same. Fig. 3 is a trans-
25 verse section on the line *a a* of Fig. 1.

Referring to the drawings, the sides of my improved box are constructed of four sheets 1 of thin material, preferably wood, which sheets are assembled to form a rectangular inclosure. They are surrounded at the upper and lower ends and held in position by means of two rectangular frames 2. Each of the frames consists of four strips 3 of a thickness slightly in excess of that of the sides of the box, the strips extending along the sides
30 of the box and the ends of the opposite strips abutting against the inner sides of the other strips, as plainly shown in Fig. 2, each strip being secured to its corresponding wall by
40 any suitable fastening device, preferably in the form of small wire staples 4, which are driven from the inside of the box through its sides and into the strips of the frames. The ends of the strips forming the frames are
45 firmly secured together by straps 5 in the form of staples, which extend diagonally across the corners of the frame and have their ends extending into the adjacent ends of the strips. I prefer to so apply these staples that they will extend across the corners
50 of the frame inward of its inner sides, as

plainly shown in Fig. 2, the exposed portions of the staples thereby overlying the upper and underlying the lower ends of the sides of the box. The staples in this manner serve as
55 stops in effectually preventing the frames from being accidentally forced inward of the ends of the box.

By the construction described it will be seen that the four sides of the box are sur-
60 rounded by two frames, each consisting of four strips firmly tied together and each strip firmly secured to the corresponding side of the box, this arrangement constituting a firm and rigid structure well adapted to withstand
65 the severe shocks and strains to which boxes for packing and transportation purposes are usually subjected.

It is further to be noted that by reason of the frames formed and applied as described
70 I am enabled to use very thin material for the sides of the box, one-eighth inch material answering for boxes two feet square. As a result, boxes constructed of such material will be of unusual lightness and will possess great
75 strength and can be produced at very little expense.

I prefer to form the bottom of the box of a single sheet of material 7 of a thickness corresponding to that of the sides and of an area
80 corresponding to that inclosed by the outer edges of the frame. The bottom is applied to the under side of the frame and secured, preferably, by means of small wire staples.

The top of the box is similarly formed and
85 applied, but for the sake of convenience in opening the same it may be formed of several sections, as indicated by dotted lines in Fig. 1, instead of a single sheet.

On account of the thin material, which I
90 am enabled to employ by reason of the peculiar construction adopted, it has been found that the small wire staples shown will effectually hold the parts of the box securely and firmly together and prevent any loosening,
95 collapsing, or springing of the sides.

Having thus described my invention, what I claim is—

1. In a packing-box the combination with the four sides, of two rectangular frames only
100 surrounding their upper and lower ends and leaving the corners of the box exposed, fas-

tening devices securing the sides of the box to the frames and the top and bottom applied and secured to said frames.

2. In a packing-box the combination with
5 the four sides assembled to form a rectangular inclosure, of the rectangular frames surrounding the same at the top and bottom, with their outer surfaces flush with the ends of
10 the sides, each frame comprising four strips extending along the sides of the box and secured together at their ends by staples engaging the meeting ends of the strips and extending diagonally across the corners of the frames inward of their inner sides.

15 3. The improved box for packing &c., consisting of four sides assembled to form a rectangular inclosure, two rectangular frames only each consisting of the four connected

strips secured together at their ends and surrounding and secured to the sides of the box 20 at the top and bottom, flush with the ends of the box, thereby leaving the corners of the same free the single sheet or board applied and fastened to the under side of the lower 25 frame and forming the bottom of the box and a board or boards applied to the upper side of the upper frame and forming the top of the box.

In testimony whereof I hereunto set my hand, this 5th day of March, 1896, in the presence of two attesting witnesses. 30

McCLINTOCK YOUNG.

Witnesses:

CHARLES E. RIORDON,
W. R. KENNEDY.