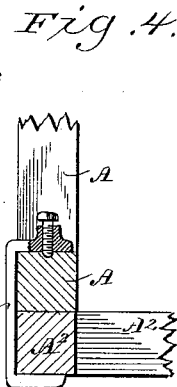
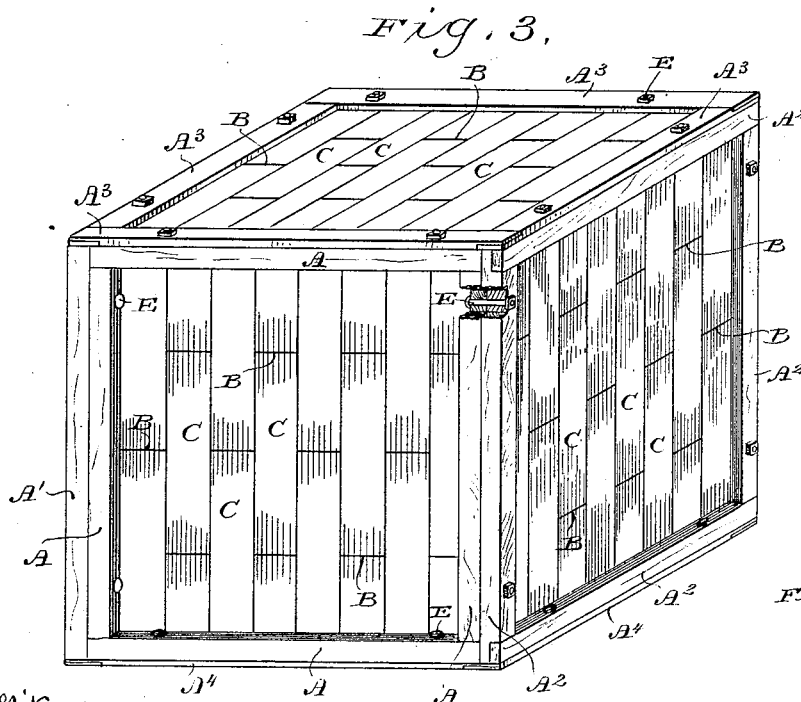
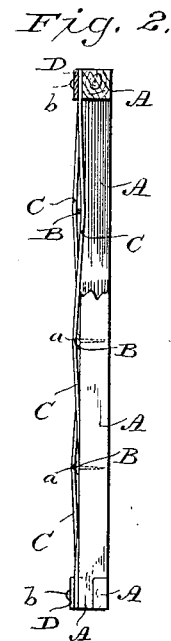
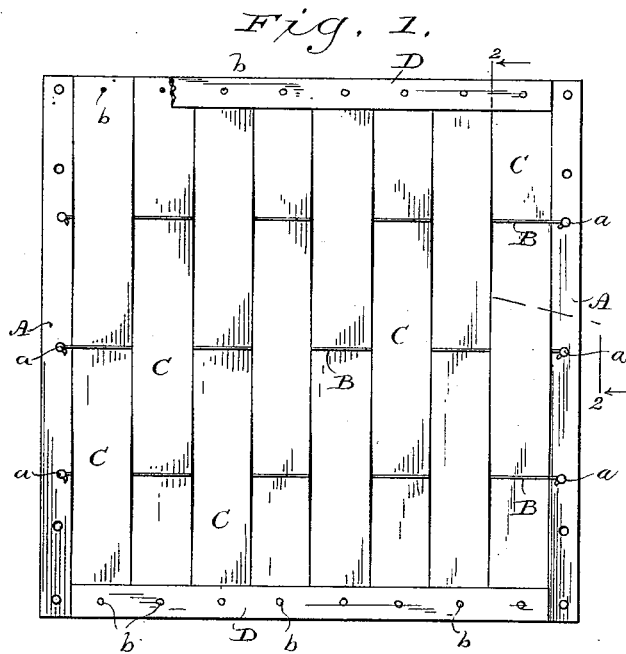


(No Model.)

C. E. PARKS.  
BOX OR CRATE.

No. 386,157.

Patented July 17, 1888.



Witnesses  
Geo. W. Young,  
N. E. Bliphant

Inventor  
Charles E. Parks  
By J. H. Underwood  
Attorneys

# UNITED STATES PATENT OFFICE

CHARLES E. PARKS, OF WATERTOWN, WISCONSIN.

## BOX OR CRATE.

SPECIFICATION forming part of Letters Patent No. 386,157, dated July 17, 1888.

Application filed April 23, 1888. Serial No. 271,558. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES E. PARKS, of Watertown, in the county of Jefferson, and in the State of Wisconsin, have invented certain new and useful Improvements in Boxes or Crates; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates especially to packing boxes and crates, and will be fully described hereinafter, and pointed out in the claims.

In the drawings, Figure 1 is a plan view of one of the box ends or sections. Fig. 2 is an edge view of the same, partly in section, on the line 2 2 of Fig. 1. Fig. 3 is a perspective view of an entire box or crate composed of my improved sections, and Fig. 4 is a detail view illustrating another method of securing the sections together.

All of the views are somewhat broken away in places to better show the construction at such points.

Primarily my invention consists of a box-section wherein a series of wires or cords are secured across a suitable frame, with a filling of thin strips of wood woven in and out or alternately under and over said wires or cords, and my box sections may be used simply for the tops, ends, or sides, or one side, of a box or crate, or the entire box or crate may be composed of a number of such sections, as preferred in any given case.

In the form illustrated in the drawings, A A A A represent the four pieces of wood which constitute the suitable frame just referred to, and this frame may be put together in any ordinary manner—as by rabbeting the corners, which makes a neat frame, though of course the four sticks might be simply nailed together, if preferred, or united by dovetail joints.

B B B represent wires or cords stretched across from one side of this frame to the other, and secured—as by staples, nails, or screws *a a*—to two of the side pieces, A A, of said frame.

C C C represent the filling, which in its preferred form consists of very thin strips of wood, though any strips of wood that are flexible may be used, whose ends are attached—as

by nails or brads *b b b*—to the other two side pieces, A A, of the frame, said nails or brads *b b* first preferably passing through thin strips D D, laid over said side pieces, A A, to cover and hold the ends of the filling C C.

If my box-section just described is designed merely as the end or cover of an ordinary box or crate, it may be simply nailed in place thereon when said box or crate has been filled; but it may be desired to construct the entire box or crate of six of these sections, as shown in Fig. 3. Here, to distinguish the different sections, I have marked each piece of the frame of one section by the letter A, those of another section-frame A', and of the others A<sup>2</sup>, A<sup>3</sup>, and A<sup>4</sup>, respectively, (the other section not showing in the drawings,) the top and bottom section-frames being made of somewhat thinner pieces, but otherwise the same. If the box so made is to be a cheap affair and not to be returned to the shipper, these six sections are simply nailed together; but to make what is called a "knockdown" box or crate, such as is to be taken apart and packed flat and thus returned to the shipper, I may unite the various sections by means of screws, or by the bolts E and their nuts, as shown in said Fig. 3, or screw-clamps F, as shown in Fig. 4; and while I prefer, as stated, thin strips of wood for the filling C, I do not wish to be understood as limiting myself to any particular degree of thinness, and of course the boxes or crates may be hexagonal, round, or other shape instead of square, as shown.

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

1. In a box section, the combination of a suitable frame, having wires or cords stretched across the same, with a flexible wooden filling woven in and out or over and under said wires or cords.

2. In a box-section, the combination of a suitable frame, having wires or cords stretched across the same, with a filling consisting of thin strips of wood woven alternately over and under said wires or cords and secured at their ends to said frame.

3. A box or crate consisting of a series of box-sections, each formed of a frame having

wires or cords stretched across the same, and  
a filling of thin strips of wood woven over and  
under said wires or cords, and removable fast-  
ening devices for temporarily securing said  
5 sections together.

In testimony that I claim the foregoing I  
have hereunto set my hand, at Milwaukee, in

the county of Milwaukee and State of Wis-  
consin, in the presence of two witnesses.

CHARLES E. PARKS.

Witnesses:

H. G. UNDERWOOD,  
N. E. OLIPHANT.