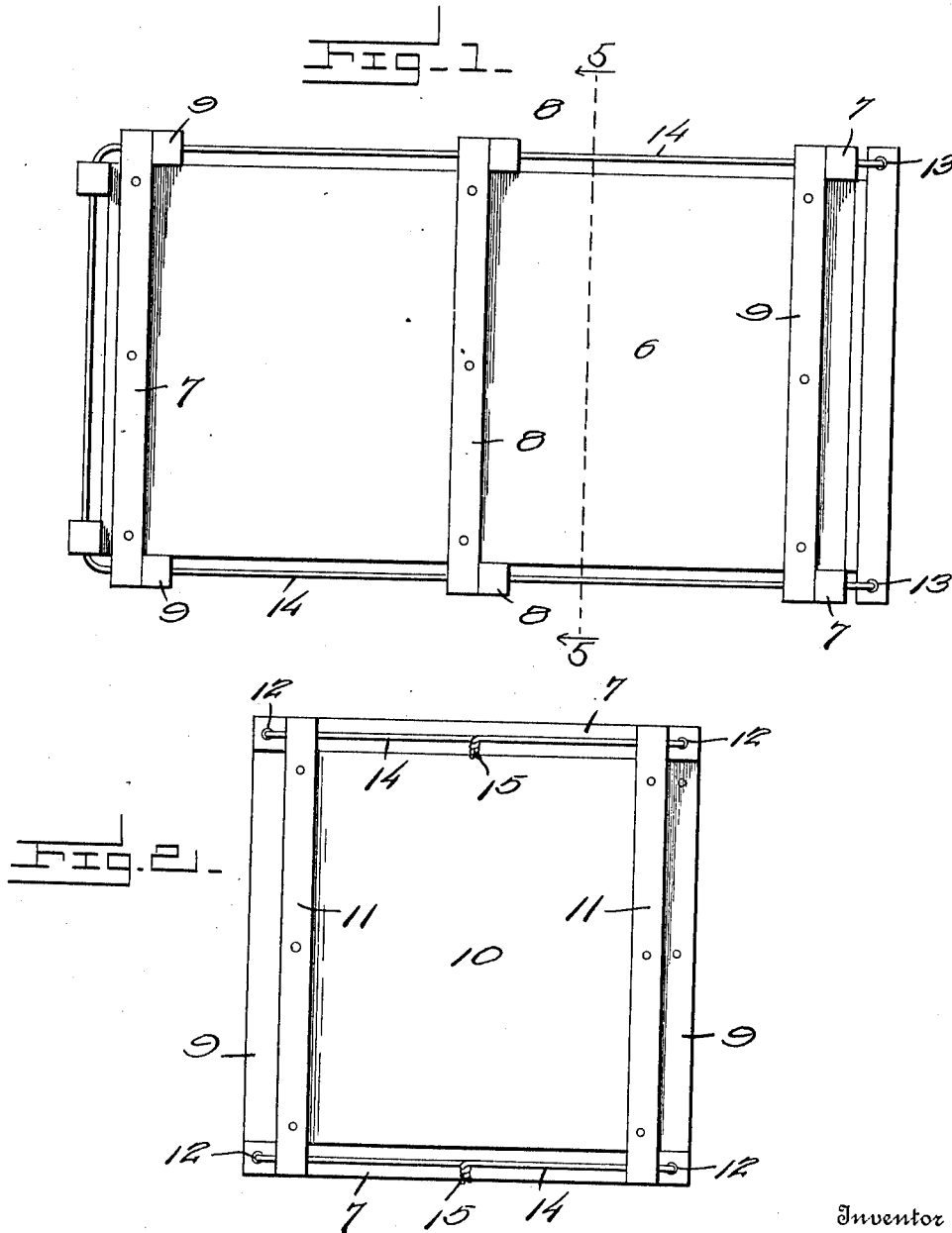


D. GUICE.
CRATE.
APPLICATION FILED OCT. 7, 1912.

1,061,371.

Patented May 13, 1913.
2 SHEETS—SHEET 1.



Witnesses
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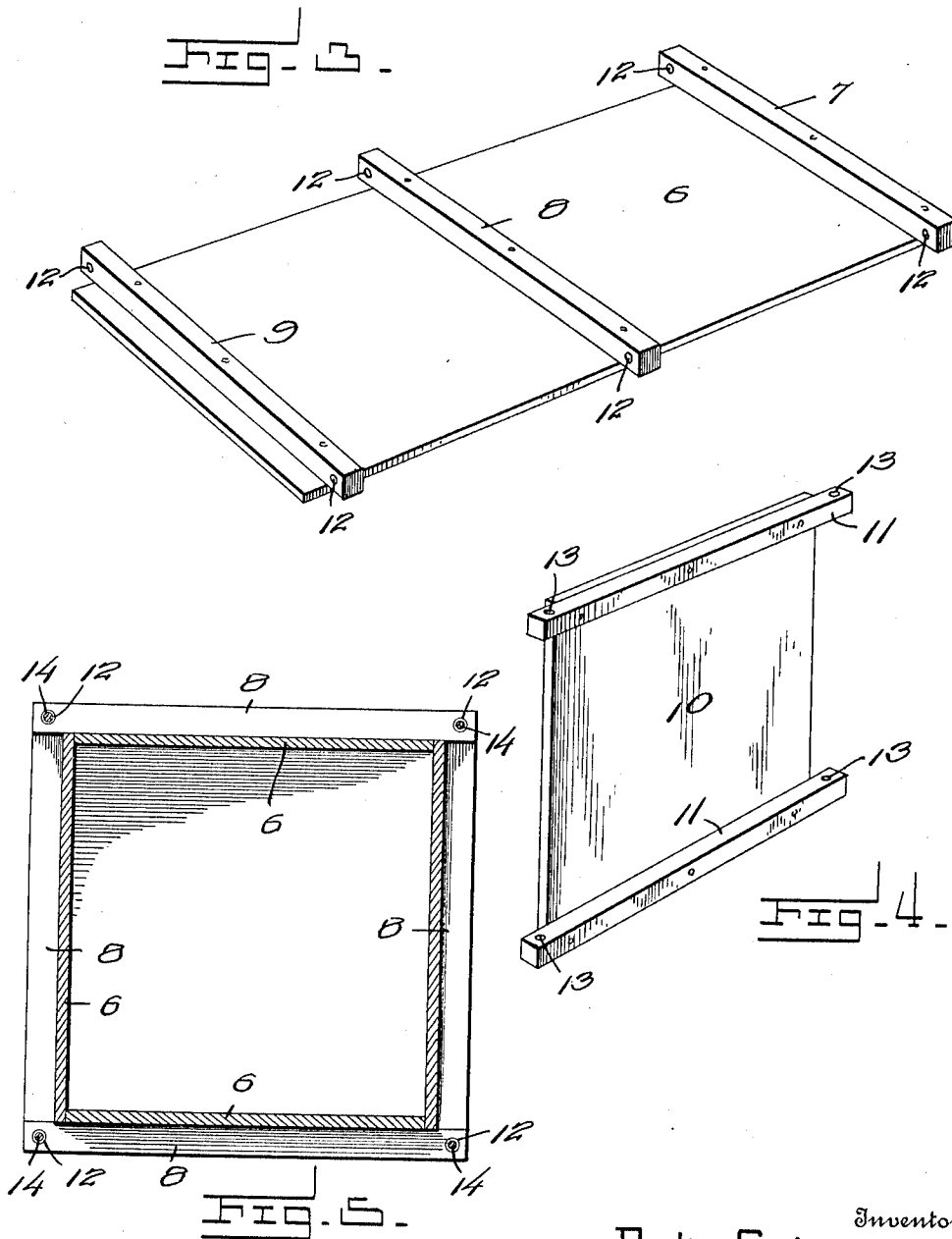
By

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UNITED STATES PATENT OFFICE.

DUKE GUICE, OF GREENVILLE, ALABAMA.

CRATE.

1,061,371.

Specification of Letters Patent.

Patented May 13, 1913.

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To all whom it may concern:

Be it known that I, DUKE GUICE, a citizen of the United States, residing at Greenville, in the county of Butler and State of Alabama, have invented certain new and useful Improvements in Crates, of which the following is a specification.

The present invention relates to a crate or box having novel means to detachably bind the side and end pieces together, so that they are securely held in their operative position and may be readily disconnected whereby the entire crate or box will occupy a comparatively small space for the purpose of shipment.

An important object of my invention is to provide a knock down crate or box including side and end pieces, the side pieces being of the same construction, and the end pieces being of the same construction, whereby any four side pieces and two end pieces may be readily assembled to form the crate or box, the same being properly held together by my improved binding means.

A further object of this invention is to provide a novel form of binding means for connecting the end and side pieces of the crate or box, such binding means extending longitudinally of the crate or box for connecting the side pieces at their ends with the end pieces and the side pieces midway between their ends with each other.

A further object of this invention is to provide a crate or box of the above mentioned character, which is simple in construction, cheap to manufacture, durable and strong.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numerals are employed to designate like parts throughout the same, Figure 1 is a plan view of my improved crate or box, Fig. 2 is an end view of the same, Fig. 3 is a perspective view of one of the side pieces, Fig. 4 is a similar view of one of the end pieces, and, Fig. 5 is a transverse sectional view taken on line 5—5 of Fig. 1.

In the drawings wherein is illustrated a preferred embodiment of my invention, the numeral 6 designates side pieces, having transverse rods or strips 7, 8 and 9 suitably secured upon their outer surfaces. The

strip 7 is secured to each side piece 6 at the extreme end thereof while the strip 9 is secured to the side piece near and spaced from the opposite end thereof, as shown. It is obvious that there are four of these side pieces in each crate or box and all of said side pieces are constructed alike. By this is meant that the general construction of the side pieces are alike, although the two side pieces which are disposed between the other two side pieces may be a little narrower, as shown in Fig. 5. This however, is considered immaterial as it is not essential that the box should be square in cross-section. The horizontally arranged side pieces 6 have their strips 7 disposed adjacent and outwardly of the strips 9 of the vertical side pieces 6 and their strips 9 disposed inwardly and adjacent the strips 7 of the vertical side pieces, as shown. The advantage of this construction is that the side pieces being substantially alike may be manufactured by the same machine, and readily assembled by simply reversing or turning two of the side pieces around, with relation to the other two side pieces. Instead of employing a single rod or strip 8 it is obvious that any suitable number of them may be used as is found to be advantageous, although it is believed that one rod or strip 8 for each side piece will ordinarily be found satisfactory.

The numeral 10 designates end pieces, which are alike. These end pieces are provided upon their outer surfaces and at their extreme ends with rods or strips 11, suitably attached thereto. In the present form of my invention, I have shown these end pieces as being square, whereby they are readily interchangeable, attention being called to the fact that one end piece 10 has its rods or strips 11 disposed horizontally while the other end piece has its rods or strips disposed vertically.

The rods or strips 7, 8 and 9 extend at both ends beyond the longitudinal edges of the side pieces, as shown, and are provided with openings 12, extending transversely therethrough in parallel relation to the side pieces. The rods or strips 11 of the end pieces 10 extend at both ends beyond such end pieces, and are provided with transverse openings 13, which are parallel with the end pieces, as shown.

The numeral 14 designates sections of wire

or other flexible elements which are passed through the openings 12 and 13 of the rods or strips carried by the side and end pieces, as shown. The free ends of the sections of wire are twisted or otherwise secured together, as shown at 15. Attention is called to the fact that the sections of wire constitute binding means for holding the side and end pieces together, such sections of wire extending longitudinally of the crate or box to connect the side pieces at their ends with the end pieces and the side pieces midway between their ends with each other.

It is to be understood that the form of my invention, herewith shown and described, is to be taken as a preferred example of the same and that certain changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, what I claim is:—

A crate or box of the character described, comprising side pieces, transverse strips attached to the side pieces and extending at both ends beyond the same and provided with openings, end pieces to engage the ends of the side pieces, transverse strips attached to the end pieces and extending at both ends beyond said end pieces and provided with openings, and sections of wire passing through the openings in the strips of the side and end pieces and having their free ends suitably connected.

In testimony whereof I affix my signature in presence of two witnesses.

DUKE GUICE.

Witnesses:

H. P. DOBRUIM,
O. A. LANE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."