

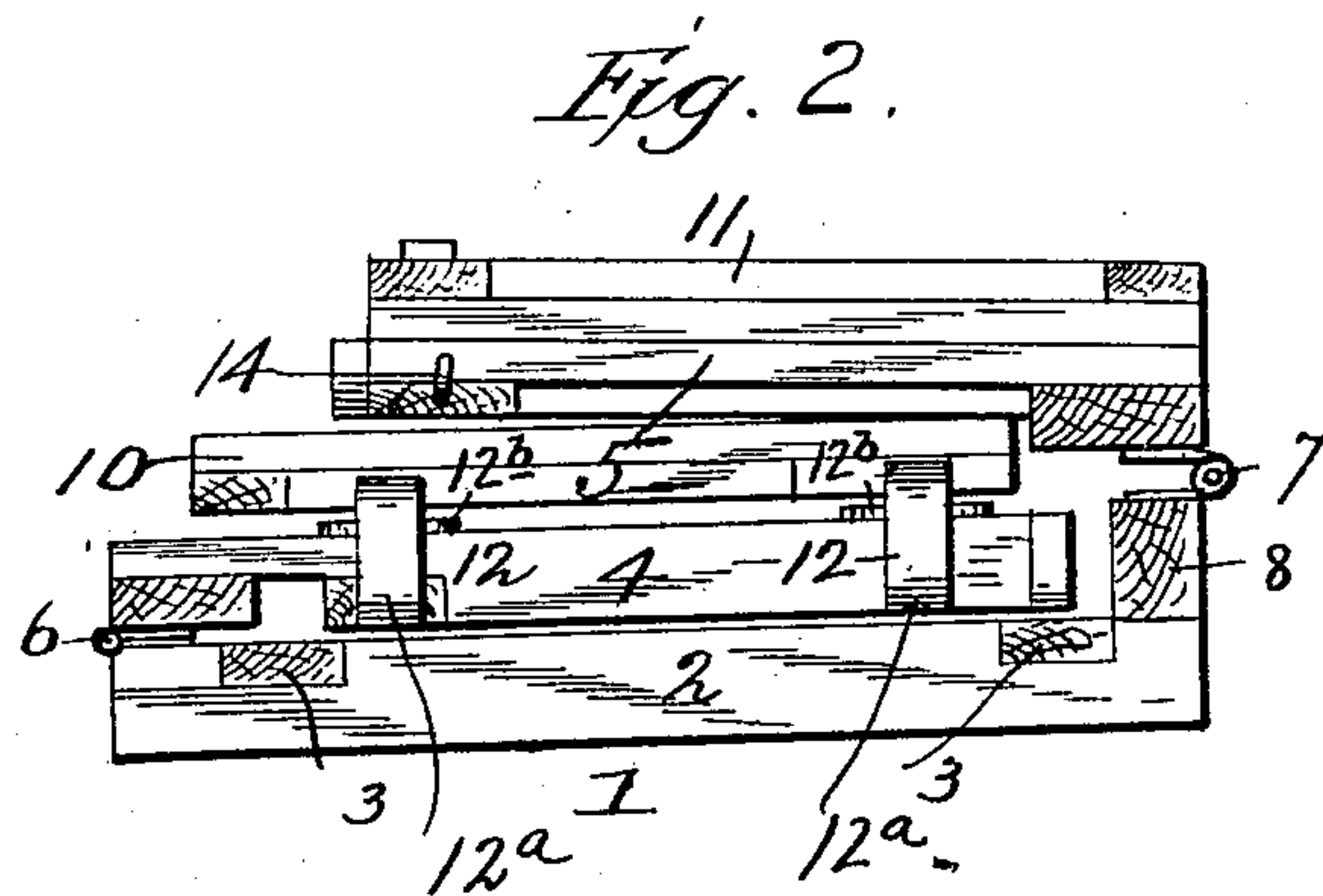
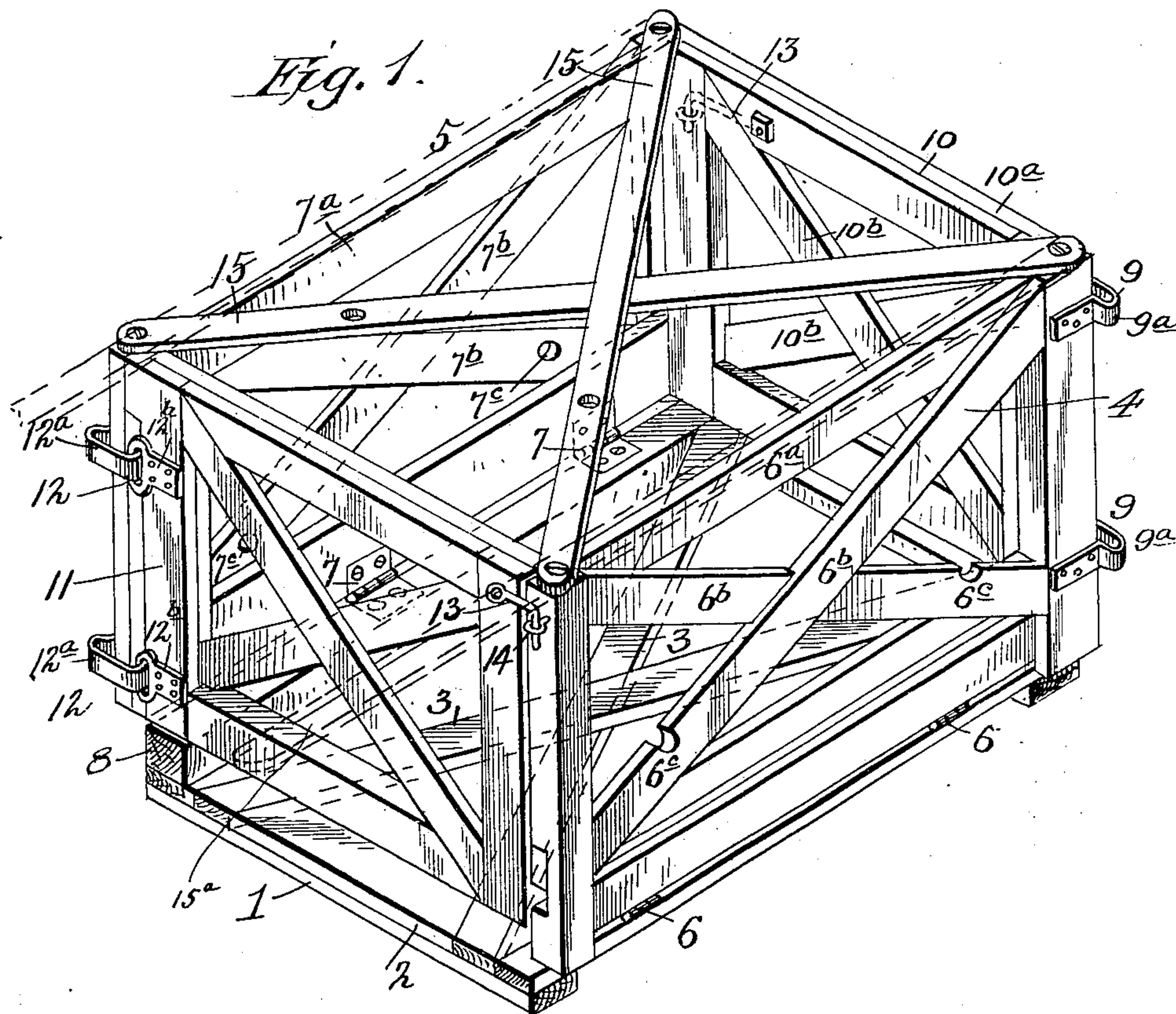
No. 679,098.

Patented July 23, 1901.

C. VARNER, A. P. MOSHER & H. M. AGNER.
BUGGY CRATE.

(Application filed Mar. 25, 1901.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

CHARLES VARNER, AUTHOR P. MOSHER, AND HARRY M. AGNER, OF
CONTINENTAL, OHIO.

BUGGY-CRATE.

SPECIFICATION forming part of Letters Patent No. 679,098, dated July 23, 1901.

Application filed March 25, 1901. Serial No. 52,670. (No model.)

To all whom it may concern:

Be it known that we, CHARLES VARNER, AUTHOR P. MOSHER, and HARRY M. AGNER, citizens of the United States, residing at Continental, in the county of Putnam and State of Ohio, have invented new and useful Improvements in Buggy-Crates, of which the following is a specification.

Our invention relates to buggy-crates, and has for its object the construction of a simple crate which can be knocked down or compactly folded up and returned to the shippers and be in condition to be immediately set up for use. Consequently the crate is capable of being used over and over again. This object is accomplished by the novel construction described in this specification and claimed, and illustrated in the accompanying drawings, forming a part thereof, in which—

Figure 1 is a perspective of our crate set up ready for use. Fig. 2 is a side elevation of it folded up.

Like numerals of reference designate like parts in both views of the drawings.

The numeral 1 designates the bottom of the crate. This bottom 1 consists of a frame 2 and diagonal braces 3. Side panels 4 and 5 are attached to the bottom 1 by hinges 6 and 7, respectively. The hinges 6 are secured to the side of the frame 2; but the hinges 7 are secured to a longitudinally-extending bar or block 8, which is rigidly mounted on one side of the frame 2. The sides 4 and 5 are arranged to fold inwardly. The side 4 is always folded first and then side 5. The block 8 raises the side 5 just high enough to render this possible. The side 4 consists of a frame 6^a and diagonal braces 6^b. The braces 6^b are cut away at 6^c to accommodate the buggy-spindles. The side 5 is composed of a frame 7^a and braces 7^b, which are apertured at 7^c to accommodate the spindles of the buggy.

Mounted on hinges 9, attached to the side 4, is an end panel 10, consisting of a frame 10^a and braces 10^b. The hinges 9 each comprise a U member 9^a, secured by its arms to the side 4, and an apertured strap 9^b, slidably mounted on the U and attached to the end 10. By this construction the end can be swung at right angles to the side 4 or may be thrown around back in contact with the side.

This is done in folding the crate. A second end (designated by the numeral 11) is secured to the side 5 by means of hinges 12, which are identical in construction with the hinges 9 and have U's 12^a and straps 12^b. This construction enables the end 11 to be swung back in contact with the side 5 in folding the crate. Hooks 13, pivoted to each of the ends 10 and 11 and engaging eyes 14, seated in the sides 4 and 5, enable the ends to be locked in place.

Bars 15, pivoted to the top of the frames 5^a and 7^a of the sides 4 and 5, are designed to be swung around into the position denoted by the dotted lines 15^a and secured to the opposite sides, thereby forming diagonal braces for the crate.

When ready for use, our crate is set up, as shown in Fig. 1, with hooks 13 engaging eyes 14. To make it ready for returning to the factory, the hooks 13 are disengaged from the eyes 14 and the side 4 folded down on top of the bottom 1. The end 10 is next folded back and on top of the side 4, after which the side 5 and end 11 are folded, as shown in Fig. 2.

We do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of our invention.

Having thus described our invention, what we claim as new, and wish to secure by Letters Patent, is—

1. A crate, comprising the combination of a bottom bearing a block extending longitudinally one side thereof, a first side hinged to the other side of said bottom and arranged to be folded inwardly, a second side hinged to said block and arranged to be folded inwardly, an end attached to said first side by hinges consisting of U members and apertured straps engaging said U's, an end attached to said second side by hinges consisting of U members and apertured straps engaging said U's, and diagonal braces pivoted at one end to the corners of the crate and constructed to be secured at the other end to form the top thereof, substantially as described.

2. A crate, comprising the combination with a bottom bearing a block extending longitudinally one side thereof, a first side having apertures therein to accommodate buggy-

spindles and hinged to the other side of said
bottom and mounted to be folded inwardly, a
second side having notches therein to accom-
modate buggy-spindles and hinged to said
5 block and arranged to be folded inwardly, an
end attached to said first side by hinges con-
sisting of U members and apertured straps
engaging said U's, an end attached to said
second side by hinges consisting of U mem-
10 bers and apertured straps engaging said U's,
means for locking said ends, and diagonal
braces pivoted at one end to said sides and

constructed to be secured at the other end to
form the top thereof, substantially as de-
scribed.

In testimony whereof we have hereunto set
our hands in presence of two subscribing wit-
nesses.

CHARLES VARNER.
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HARRY M. AGNER.

Witnesses:

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