

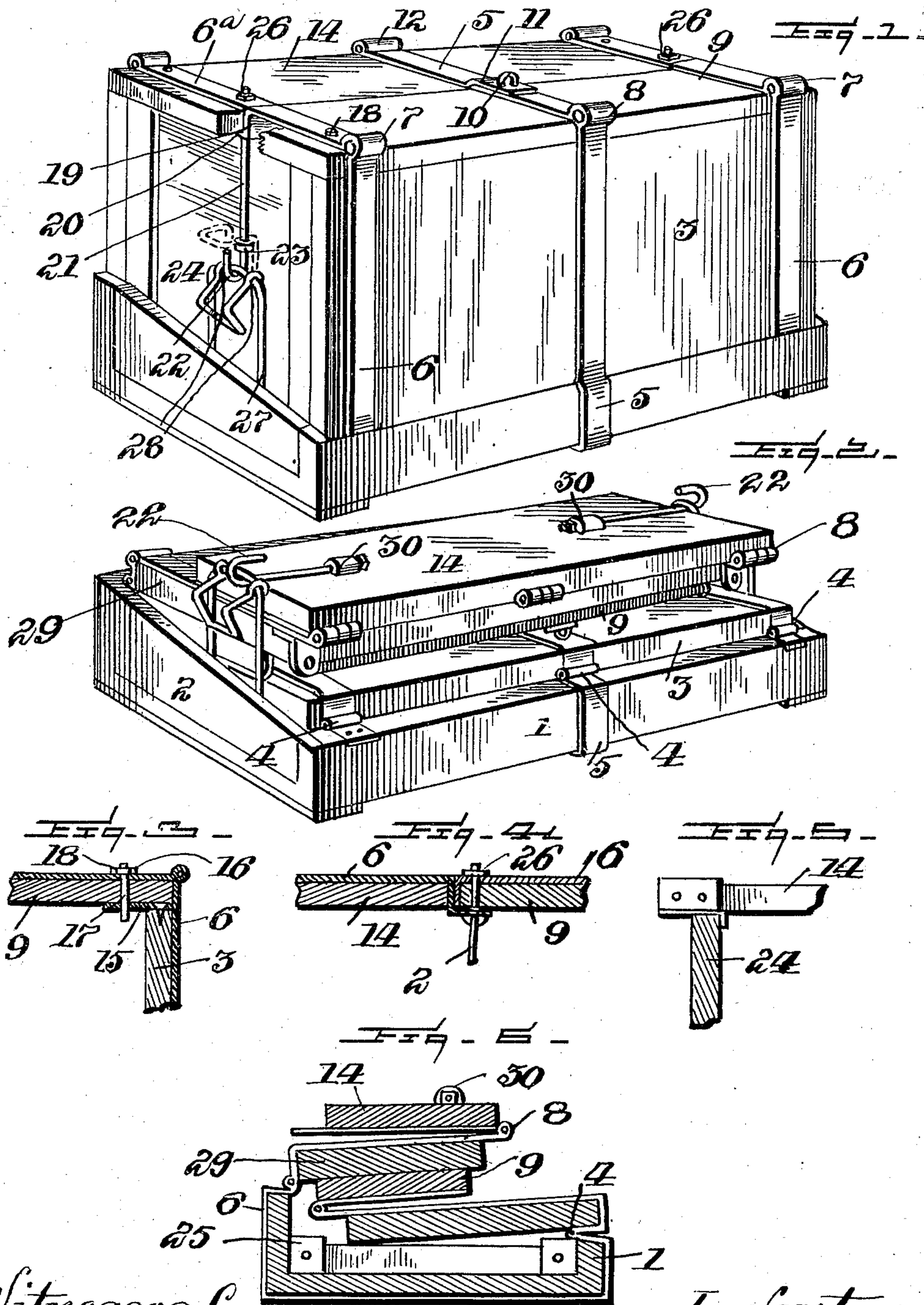
No. 702,237.

Patented June 10, 1902.

C. R. McCULLOUGH.
FOLDING CRATE.

(Application filed Mar. 28, 1902.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

CHARLES R. McCULLOUGH, OF LOOP, PENNSYLVANIA.

FOLDING CRATE.

SPECIFICATION forming part of Letters Patent No. 702,237, dated June 10, 1902.

Application filed March 28, 1902. Serial No. 100,424. (No model.)

To all whom it may concern:

Be it known that I, CHARLES R. McCULLOUGH, a citizen of the United States of America, residing at Loop, in the county of Indiana and State of Pennsylvania, have invented certain new and useful Improvements in Folding Crates, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in folding shipping-crates, and has for its object the provision of novel means whereby the crate may be compactly folded into a comparatively small
15 space and the parts securely locked together both when the crate is built up and in a knocked-down position.

My invention further aims to provide a crate of the above-described character that
20 may be easily built up and readily knocked down when desired.

A still further object of the present invention is to provide a crate of the above-described character that will be extremely simple in its construction, strong, durable, and
25 comparatively inexpensive to manufacture.

With the above and other objects in view the invention finally consists in the novel construction, combination, and arrangement of
30 parts to be hereinafter more particularly described, and specifically pointed out in the claims.

In describing the invention in detail reference is had to the accompanying drawings,
35 forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

Figure 1 is a perspective view of my folding crate, showing the same in a built-up position. Fig. 2 is a similar view showing the
40 crate in a knocked-down position. Fig. 3 is a vertical sectional view of the upper corner of the box when in a built-up position. Fig. 4 is a vertical sectional view of the end of the
45 crate, showing a section of the lid or cover. Fig. 5 is a detail view of a portion of the lid, showing the means for supporting the ends of the box when in a built-up position. Fig. 6 is a vertical sectional view of Fig. 2.

50 In the drawings the reference-numeral 1 represents the base, having inclined ends 2, forming a rectangular casing. The front side

3 of the crate is hinged at 4 4 4 in metallic straps, a central strap 5 encircling the entire crate and giving strength and rigidity there- 55 to. The metallic straps 6 6, as well as the central strap 5, extend upwardly and carry hinges 7, 7, and 8, to which is secured the section of the cover or lid 9. The metallic strap 5 carries a staple 10, to receive the hasp 11, of 60 the strap 5, which likewise has formed on its opposite upper end a hinge 12, to which is secured the other section or half 14 of the lid or cover. The straps 6 6 also carry inwardly-
65 extending apertured lugs 15, extending over the upper end of the side 3, and an opening 16 is also formed in the straps 6 to receive the threaded bolts 17, which are provided with securing-nuts 18. The straps 6 extend
70 over the section 9 of the lid or cover and are bent downwardly, as shown at 19, and thence inwardly, as shown at 20, having an opening formed in the portion 20. A corresponding strap 6^a of the section of the cover
75 14 has also formed therein an opening to receive a rod 21, which is screw-threaded at its upper end and carries at its lower end a hooked portion 22, said rod extending through
80 the staple 23, attached to the ends 24, which are hinged at 25 in the lower portion of the casing and fold inwardly. The upper end of the rod 21 extends to the openings formed in the straps 6 and 6^a and is provided with a
85 securing-nut 26, and the lower hooked portion 22 is secured in a yoke 27, which is rigidly secured to the beveled sides 2. This yoke 27 is also provided with hinged handles 28. The rear side 29 of the crate is secured in a like manner as the front side 3, and the
90 opposite end of the crate is also constructed in a like manner as the end heretofore particularly described.

The under face of the section 14 of the lid or cover is provided with staples 30, and when in a knocked-down position the rod 21, carrying the hooked portion 22, is secured thereto, 95 as shown in Fig. 2, which serves to lock the sections of the lid securely together.

The many advantages obtained by the use of my improved device will be readily apparent from the foregoing description, taken in connection with the accompanying drawings. 100

It will be noted that various changes may

be made in the details of construction without departing from the general spirit of my invention.

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

1. In a folding crate, the combination of a base, hinged sides and ends, a lid or cover formed in two sections hinged to said sides, yokes secured to said base, handles attached to said yokes, rods carrying engaging ends connected to said yokes and extending through said lid or cover, substantially as described.

2. In a folding crate, the combination of a base, hinged sides and ends, a lid or cover formed in sections hinged to said sides, yokes attached to said base, rods carrying hooked ends engaging said yokes, the upper end of

said rod extending through said lid or cover, and means whereby said rods are locked in position, substantially as described.

3. In a folding crate, the combination of a base having beveled ends, hinged sides and ends, a lid or cover formed in two sections hinged to said sides, yokes secured to said beveled ends, handles pivotally attached to said yokes, and means to secure said crate in a locked position, substantially as described, and for the purpose set forth.

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

CHARLES R. McCULLOUGH.

Witnesses:

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