

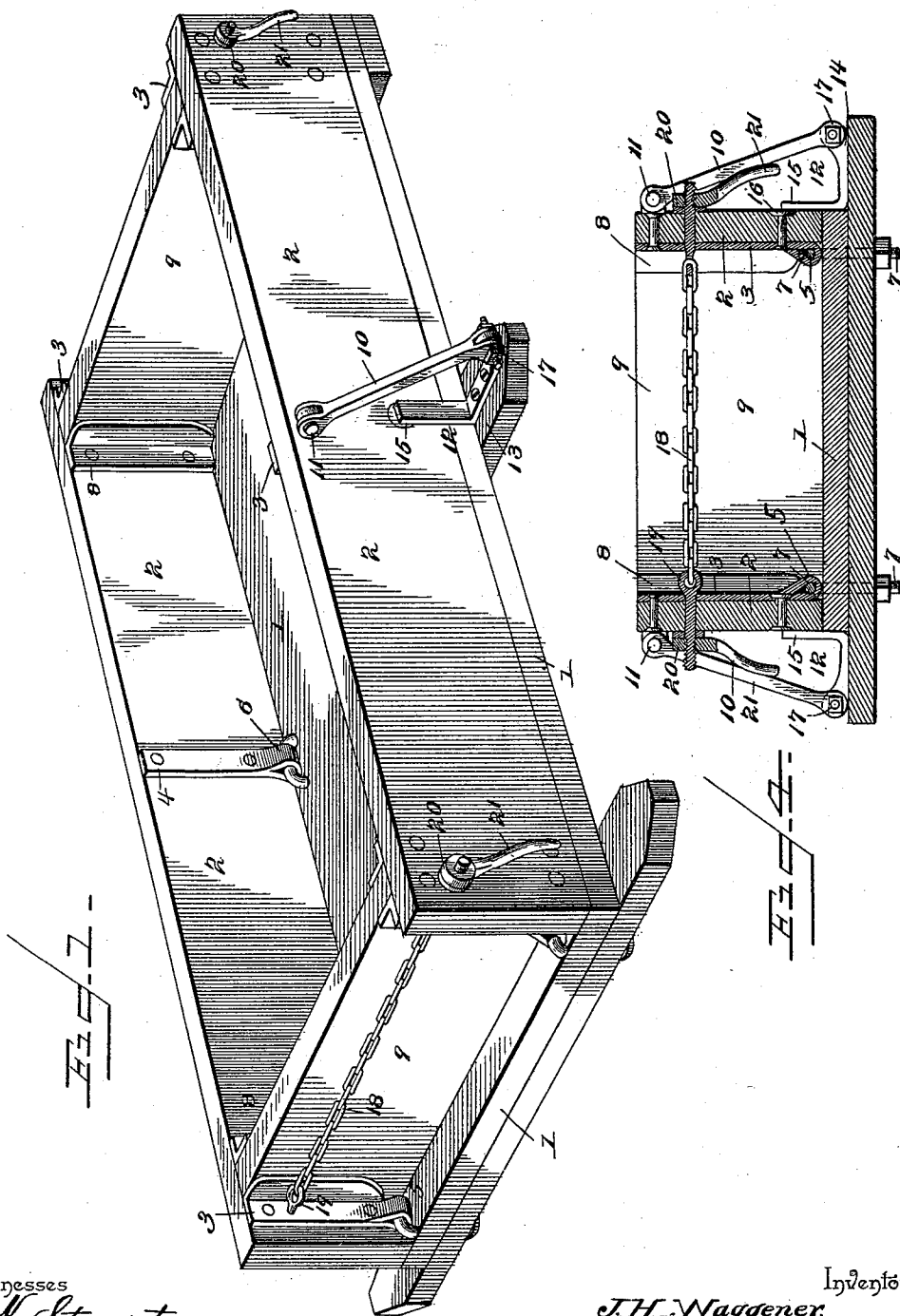
(No Model.)

2 Sheets—Sheet 1.

J. H. & W. H. WAGGENER & W. K. CARDWELL.
WAGON BODY.

No. 496,459.

Patented May 2, 1893.



Witnesses
E. H. Stewart
N. J. Riley

Inventors
J. H. Waggener,
W. H. Waggener and
W. K. Cardwell.
By their Attorneys,

C. A. Snow & Co.

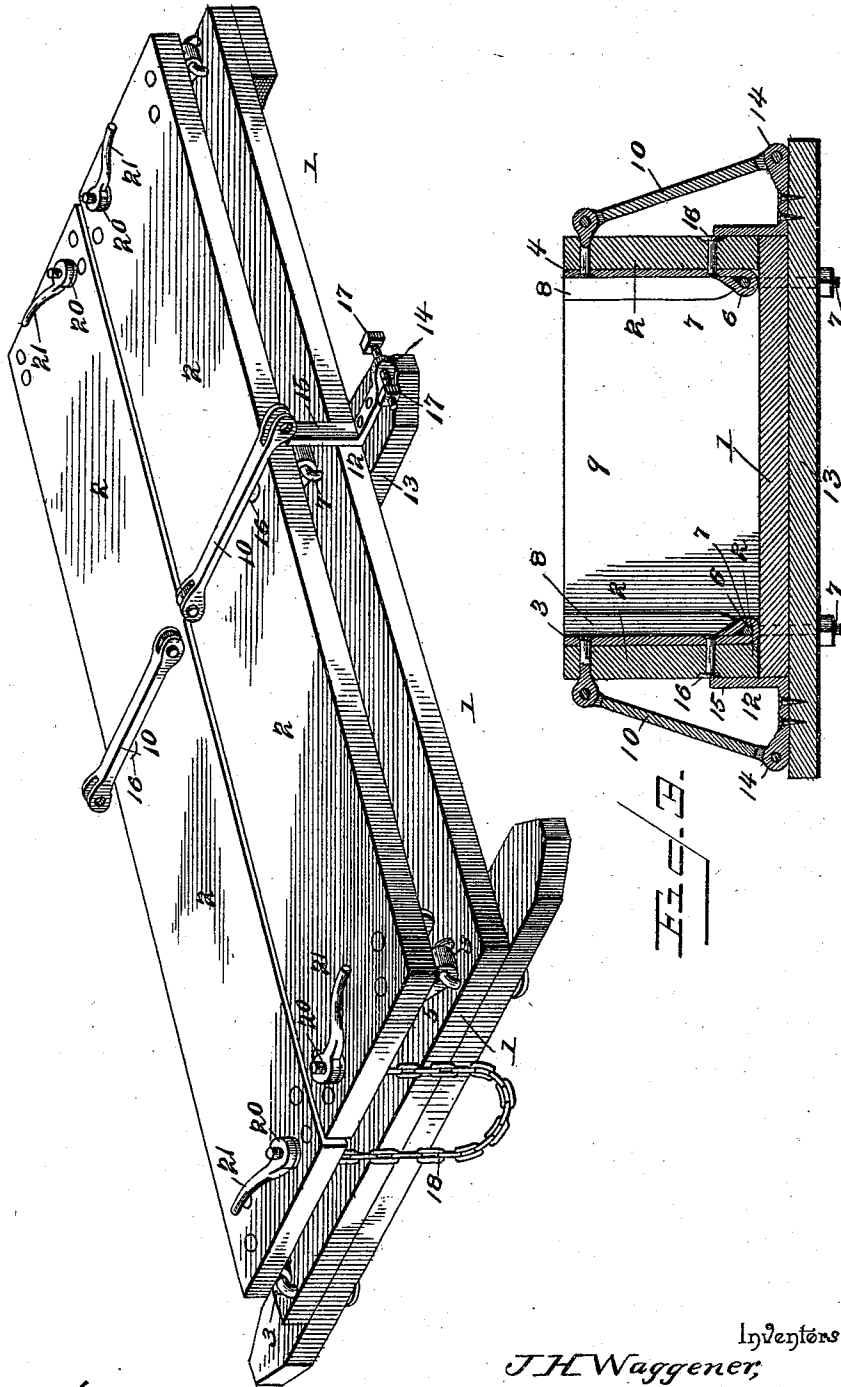
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UNITED STATES PATENT OFFICE.

JAMES H. WAGGENER, WILLIAM H. WAGGENER, AND WESLEY K. CARDWELL,
OF HARRODSBURG, KENTUCKY.

WAGON-BODY.

SPECIFICATION forming part of Letters Patent No. 496,459, dated May 2, 1893.

Application filed December 9, 1892. Serial No. 454,586. (No model.)

To all whom it may concern:

Be it known that we, JAMES H. WAGGENER, WILLIAM H. WAGGENER, and WESLEY K. CARDWELL, citizens of the United States, residing at Harrodsburg, in the county of Mercer and State of Kentucky, have invented a new and useful Folding Wagon-Body, of which the following is a specification.

The invention relates to improvements in wagon bodies.

The object of the present invention is to improve the construction of folding wagon bodies and to provide one which will be simple and inexpensive in construction, strong and durable, and in which the sides may be compactly folded on the body.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

In the drawings—Figure 1 is a perspective view of a wagon body constructed in accordance with this invention, the parts being shown in operative position. Fig. 2 is a similar view, the body being folded. Fig. 3 is a transverse sectional view through the middle of the body, the parts being in the position illustrated in Fig. 1. Fig. 4 is a similar view, the section being taken at one end of the body.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates the bottom of a wagon body having hinged sides 2 adapted for compactness to fold down upon the bottom as illustrated in Fig. 2 of the accompanying drawings. The sides 2 are hinged to the bottom at their inner ends by metal cleats 3 and 4 which terminate at their lower ends in eyes 5 and 6 and are secured to the bottom by staples or clips 7; and the metal cleats extend vertically to the upper edges of the sides of the body and serve to strengthen the same. The metal cleats 3 which are located at the ends of the sides are L-shaped in cross-section or flanged and form with adjacent flanged cleats 8 ways for the reception of end gates, 9. The sides are secured in a vertical position by inclined braces 10 which have their

ends bifurcated and which are pivoted at their upper ends to eye bolts 11 and which have their lower ends secured to the outer ends of L-shaped braces 12. The L-shaped braces 12 each have one arm secured to an extending end of a cross-bar 13 and provided with an eye 14 and has its vertical arm 15 arranged at the edge of the bottom 1 and projecting above the same and forming a stop to limit the outward swing of the sides; and a bolt 16 is arranged at each side of the vehicle with its head located to be engaged by the vertical arm 15 to prevent injury to the body. The braces 10 incline upward from the outer ends of the horizontal arms of the L-shaped braces, to which they are secured by removable bolts 17, to the eye bolts 11 which are arranged near the upper edges of the sides. The bolts 17 are removed to detach the inclined braces when the sides are to be folded and may be replaced to avoid loss. The sides are connected at the end gates by chains 18 each of which is provided at each end with an eye bolt 19 which extends through the adjacent side of the body and is engaged by nuts 20 having handles 21, whereby the chains may be tightened or slackened as desired. The chains have their eye bolts passing through the cleats 3 and are particularly adapted for the folding sides as they need not be removed when the sides are folded and they may also be used as a means for suspending the wagon body in a barn or other desired place.

It will be seen that the folding wagon body possesses great strength and durability and that the sides fold compactly against the bottom; and we desire it to be understood that changes in the form, proportion and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What we claim is—

1. In a wagon body the combination of a bottom, sides hinged at their inner faces to the bottom and adapted to fold inward on the same, L-shaped braces arranged at the side edges of the bottom and having one arm extending upward beyond the same to form a stop and having the other arm extended out-

ward and provided with an eye and inclined
braces having their lower ends detachably se-
cured to the outer ends of the arms of the L-
shaped braces and having their upper ends
5 hinged to the sides of the body near their up-
per edges, substantially as described.

2. In a wagon body, the combination of a
bottom, sides hinged at their inner faces to
the bottom and adapted to fold inward on the
10 bottom and provided at their ends with ways,
end gates arranged in the ways, chains ar-
ranged at each end of the body and connect-
ing the sides and provided at each end with
a bolt passing through the sides and handle
15 nuts arranged on the outer faces of the sides
and screws on the bolts, substantially as de-
scribed.

3. In a wagon body, the combination of a
bottom, sides hinged at their inner faces to
20 the bottom and provided on their outer faces
near their upper edges with eye bolts, L-

shaped braces arranged at the side edges of
the bottom and having vertical arms project-
ing above the same to form stops for the sides
and having horizontal bars provided at their 25
outer ends with eyes, inclined braces having
their ends bifurcated and secured to the eyes
of the sides and detachably fastened to the
eyes of the L-shaped braces, end gates, chains
connecting the sides and provided with bolts 30
passing through the sides and handle nuts
arranged on the bolts securing the sides to-
gether, substantially as described.

In testimony that we claim the foregoing as
our own we have hereto affixed our signatures 35
in the presence of two witnesses.

JAMES H. WAGGENER.
WILLIAM H. WAGGENER.
WESLEY K. CARDWELL.

Witnesses:

JOHN S. HARRIS,
CLAYTON H. BOARD.