

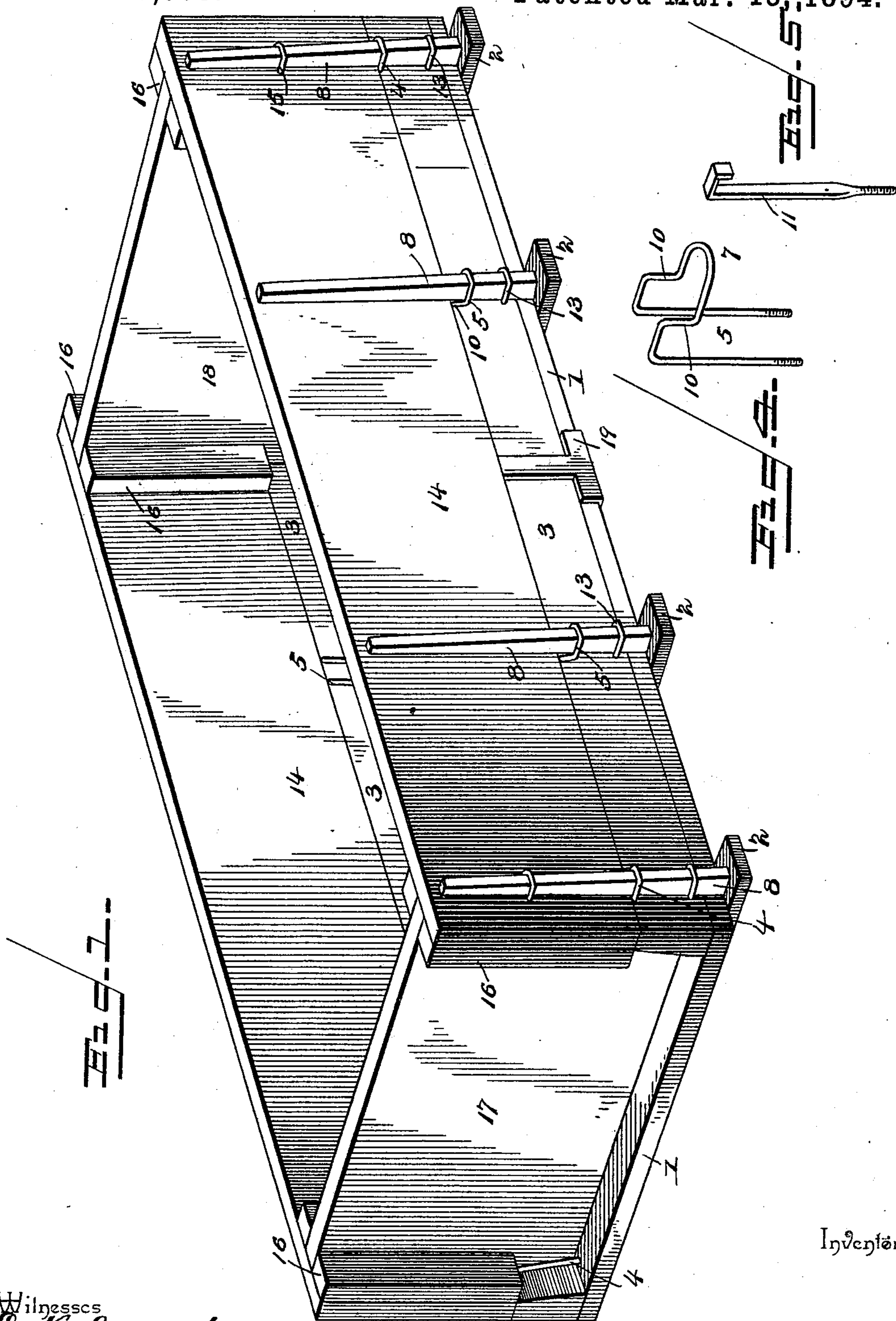
(No Model.)

2 Sheets—Sheet 1.

H. P. GAINES.
WAGON BED.

No. 516,595.

Patented Mar. 13, 1894.



Inventor

Witnesses

E. H. Stewart
N. H. Riley

By *hys* Attorneys, *Henry P. Gaines,*

Chas. H. Co.

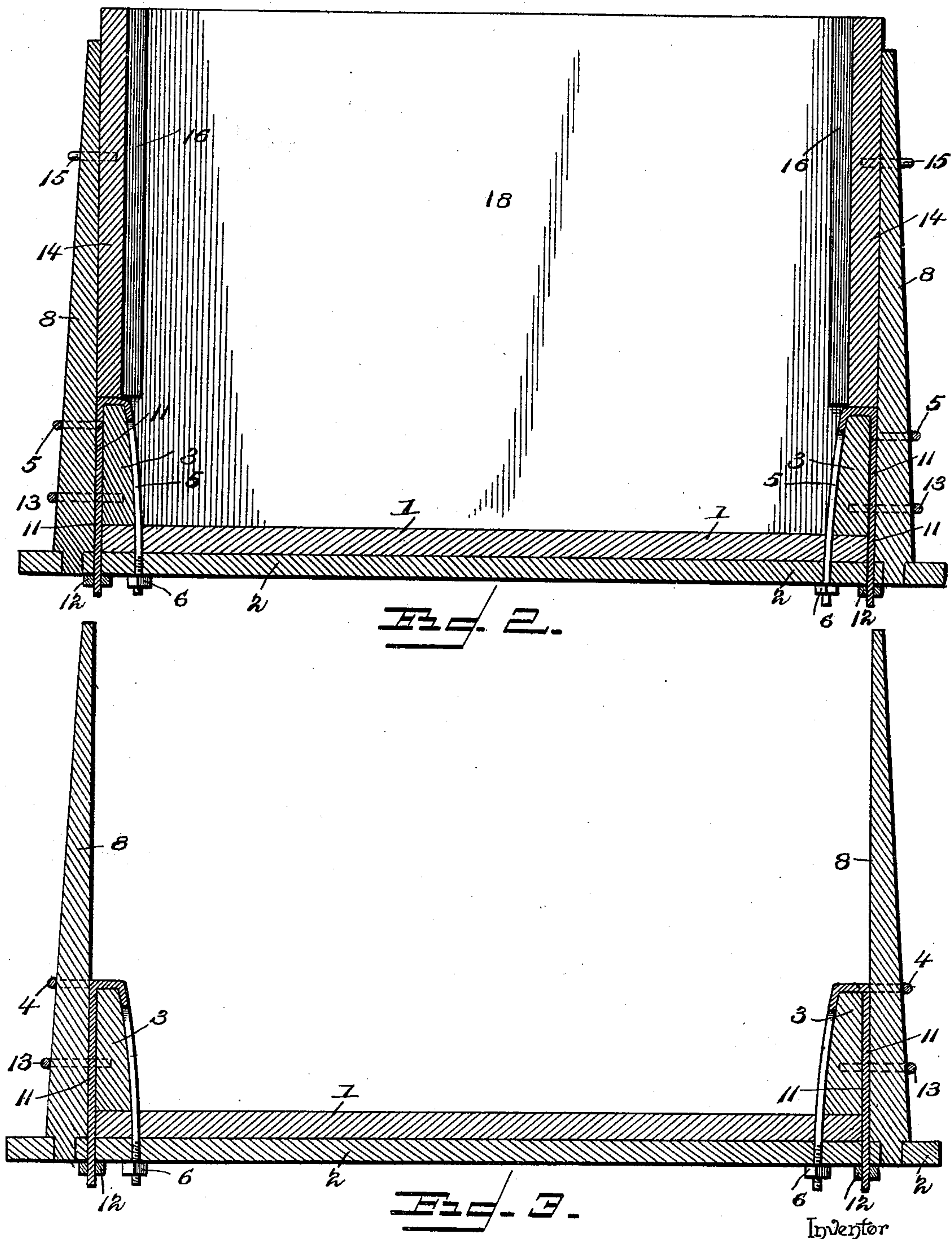
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By *his* Attorneys.
Henry P. Gaines,

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UNITED STATES PATENT OFFICE.

HENRY P. GAINES, OF McKENZIE, TENNESSEE.

WAGON-BED.

SPECIFICATION forming part of Letters Patent No. 516,595, dated March 13, 1894.

Application filed June 6, 1893. Serial No. 476,770. (No model.)

To all whom it may concern:

Be it known that I, HENRY P. GAINES, a citizen of the United States, residing at McKenzie, in the county of Carroll and State of Tennessee, have invented a new and useful Wagon-Bed, of which the following is a specification.

The invention relates to improvements in wagon beds.

10 The object of the present invention is to improve the construction of wagon beds and to provide one in which an upper or corn frame may be readily attached to the wagon bed proper without necessitating the employment of the ordinary end rods for holding the upper side boards together.

15 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.

20 In the drawings: Figure 1 is a perspective view of a wagon bed constructed in accordance with this invention, the upper frame being in position. Fig. 2 is a transverse sectional view of the same. Fig. 3 is a similar view, the upper frame being detached. Fig. 4 is a detail perspective view of one of the staples. Fig. 5 is a detail perspective view of one of the hook bars.

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

1 designates the floor or bottom of a wagon bed proper, which is provided on its lower face with laterally projecting transverse cleats 2, and having secured to its upper face sides 3. The sides 3 are secured to the bottom 1 by clamping staples 4 and 5, arranged at the ends of the body and at intermediate points and located at the inner faces of the sides 3 and having their legs extending downward through the body-bottom 1 and the transverse cleats 2, and threaded and receiving straining nuts 6. The tops of the staples or clamps extend outward and terminate beyond the sides 3, which they engage, in loops 7, receiving standards 8, which have their lower ends stepped in sockets of the extended ends of the transverse cleats. The staples 4, which are located at the ends of the body, have their loops extending outward horizontally; but

the staples 5 which are located at intermediate points are provided, at the outer faces of the sides 3, with downward bends 10, forming hooks for securely engaging the upper edges of the sides 3, and the loops of the staples 5 extend horizontally from the lower ends of the bends 10.

The tendency of the inner clamps or staples 5, on screwing up the nuts 6, is to draw the sides 3 inward; and to counteract this action and to draw the sides outward to secure the same in a vertical position outer clamping hook-bars 11 are provided. The bars 11 are arranged on the outer faces of the sides 3 and have their hooks, at their upper ends; the hooks are arranged within the sides of the staples and fit over and engage the upper edges of the sides 3 of the body; and the lower ends of the bars 11 extend through the cleats and are threaded and receive straining nuts 12.

The standards 8 are arranged in the loops of the staples 4 and 5 and pass through lower eyes or staples 13, of the sides 3, of the body, and extend upward beyond the sides 3 and support upper side-boards 14, of a top-box or corn-frame which is adapted to be quickly placed on and as readily removed from the wagon bed proper to increase the size of the latter. The upper side-boards 14 of the top-frame or box are provided, at their ends, with eyes or staples 15, to receive the end standards, and have secured on their inner faces, at their ends, vertical cleats 16, arranged in pairs to form ways and receiving between them end-boards 17 and 18, which are removable.

The upper side-boards 14, and the end gates are removable and may be quickly placed in position and rapidly detached, and it will be readily apparent that the staples and hook-bars obviate the necessity of employing end-rods for bracing and connecting the upper side-boards 14.

The wagon bed is provided at each side with a T-shaped rub-iron 19, which is provided, at the top and bottom, with securing-plates, and the latter are fastened to the upper edge of the adjacent side 3 and to the lower face of the bottom 1.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or

sacrificing any of the advantages of this invention.

What I claim is—

1. The combination in a wagon bed, of a
5 bottom, a side, a standard, and a clamping
staple arranged on the inner face of the side
and passing through the bottom and extend-
ing over and engaging the top of the side and
10 bent downward forming a hook and extend-
ing horizontally from the side and receiving
and engaging the standard, substantially as
described.

2. The combination in a wagon bed, of a
15 bottom, a side, a standard, and a clamping
staple arranged on the inner face of the side
and extending over and engaging the top of
the side and projecting outward therefrom
and receiving and engaging the standard, the
20 lower ends of the sides of the staples being
threaded and provided with nuts, a cleat ar-
ranged on the bottom of the bed and receiv-
ing the lower ends of the sides of the staple,
and a bar arranged on the outer face of the
25 side and provided at its upper end with a
hook arranged within the top of the staple
and engaging the upper edge of the side, said
bar having its lower ends threaded and ex-
tended through the cleat and provided with
a nut, substantially as described.

30 3. The combination of a wagon bed com-
posed of a bottom and sides, the latter being
provided on their outer faces with eyes 12,
cleats secured to the bottom of the bed and
projecting laterally therefrom, staples ar-
35 ranged on the inner faces of the sides and

provided at their tops with horizontally-dis-
posed outwardly-extending loops and having
the lower ends of their sides passed through
the bottom of the bed and the cleats and pro-
40 vided with nuts, bars arranged on the outer
faces of the sides and provided at their up-
per ends with hooks arranged within the sta-
ples and engaging the upper edges of the
sides of the bed, the lower ends of the bars
45 extending through the cleats, threaded and
provided with nuts, standards arranged in the
loops of the staples and said eyes, upper side
boards supported by the standards and pro-
vided with eyes receiving the end-standards,
50 said upper side-boards being provided at their
inner faces with vertical ways, and end-gates
arranged in the ways, substantially as de-
scribed.

4. The combination in a wagon body, of a
55 bottom, a side, a standard, and inner and outer
clamps arranged on the inner and outer faces
of the side and engaging the top thereof and
secured to the bottom and provided with
straining nuts, the inner clamp being ex-
60 tended beyond the side and receiving and en-
gaging the standard, substantially as de-
scribed.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

HENRY P. GAINES.

Witnesses:

B. P. GILBERT,
A. C. LUEBER.