

No. 696,334.

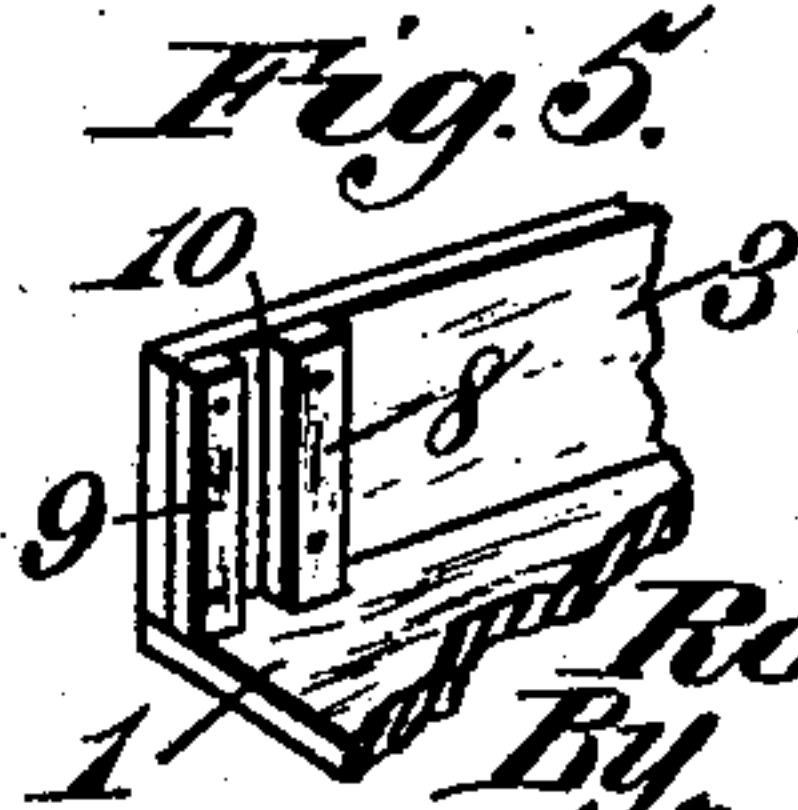
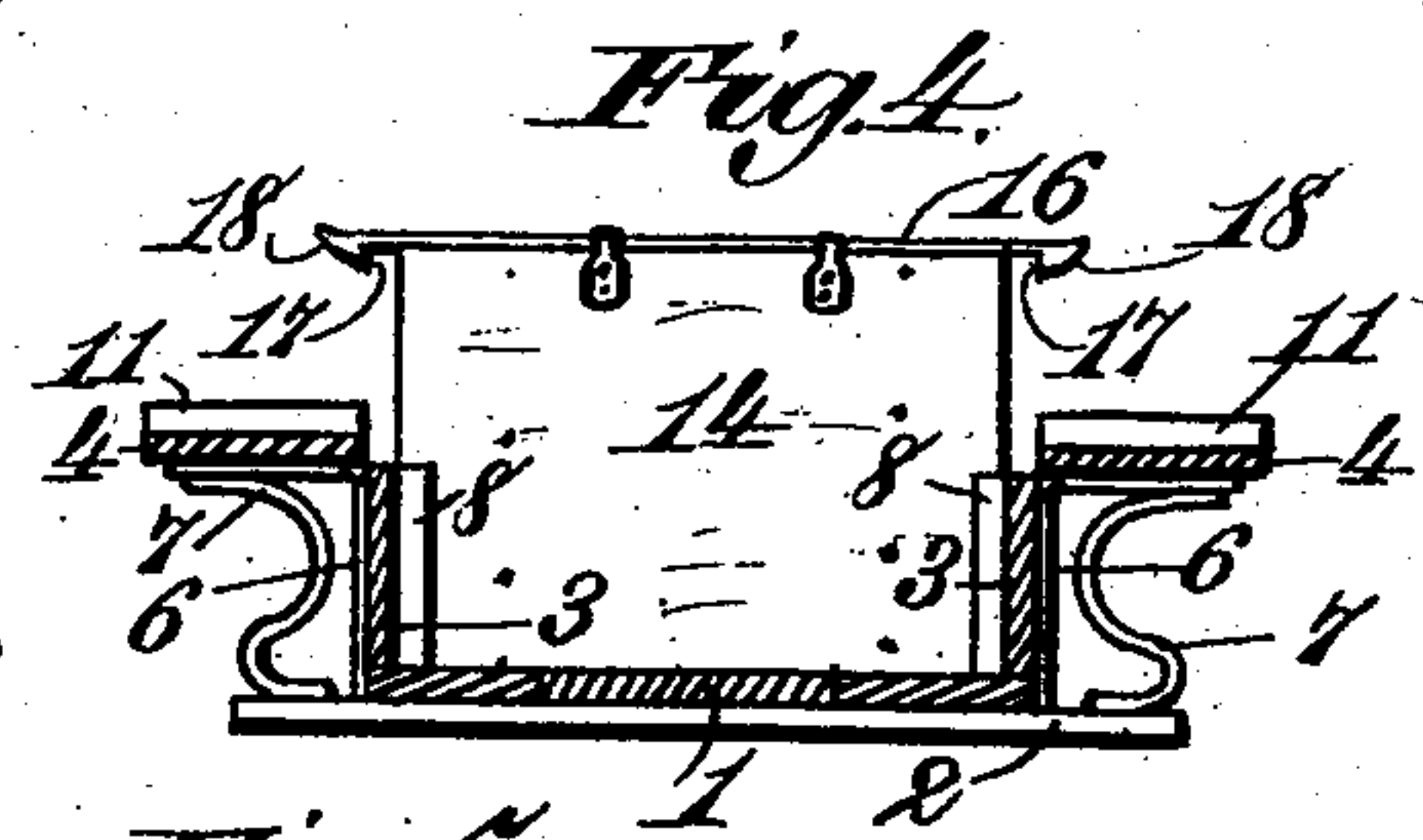
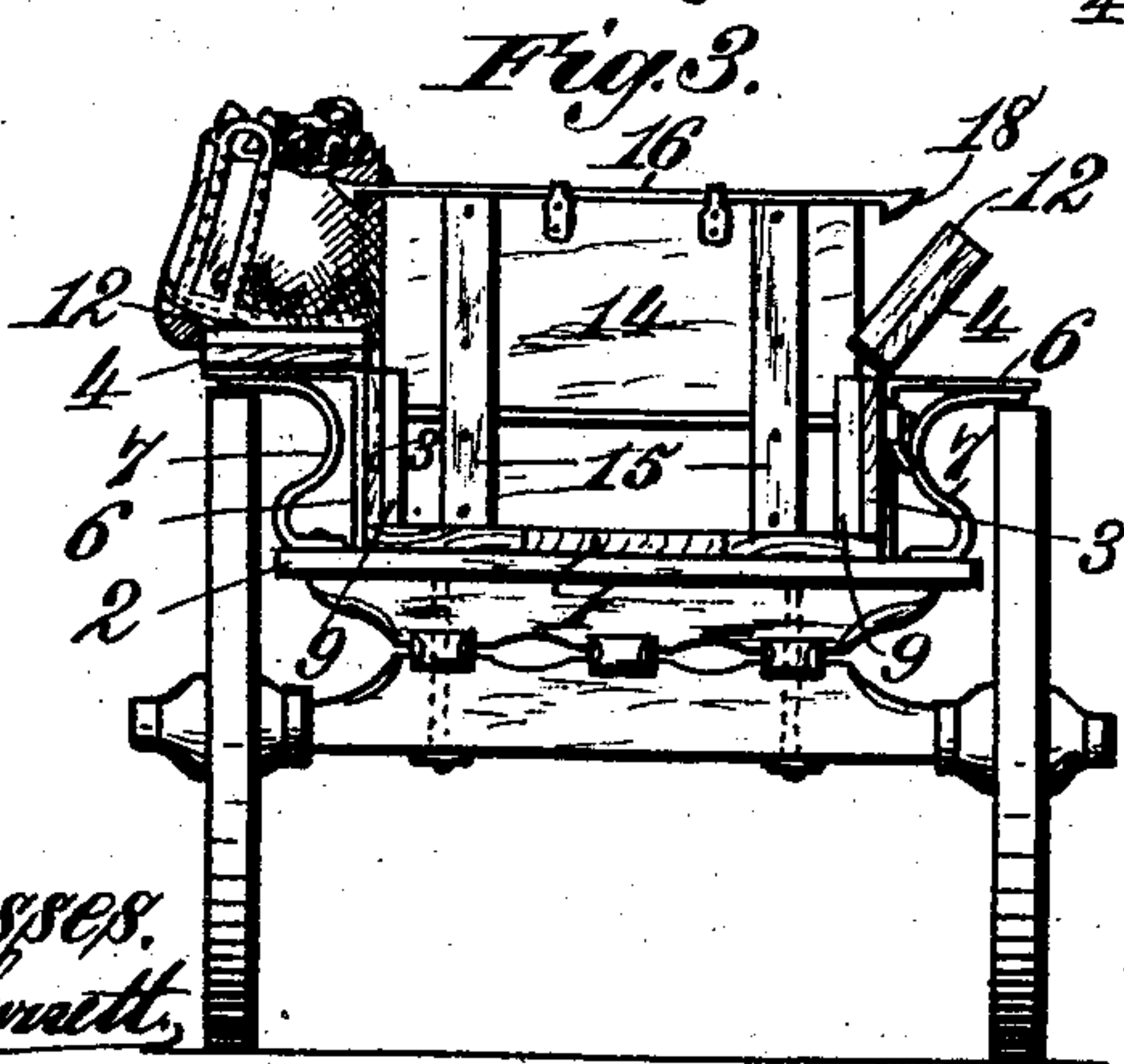
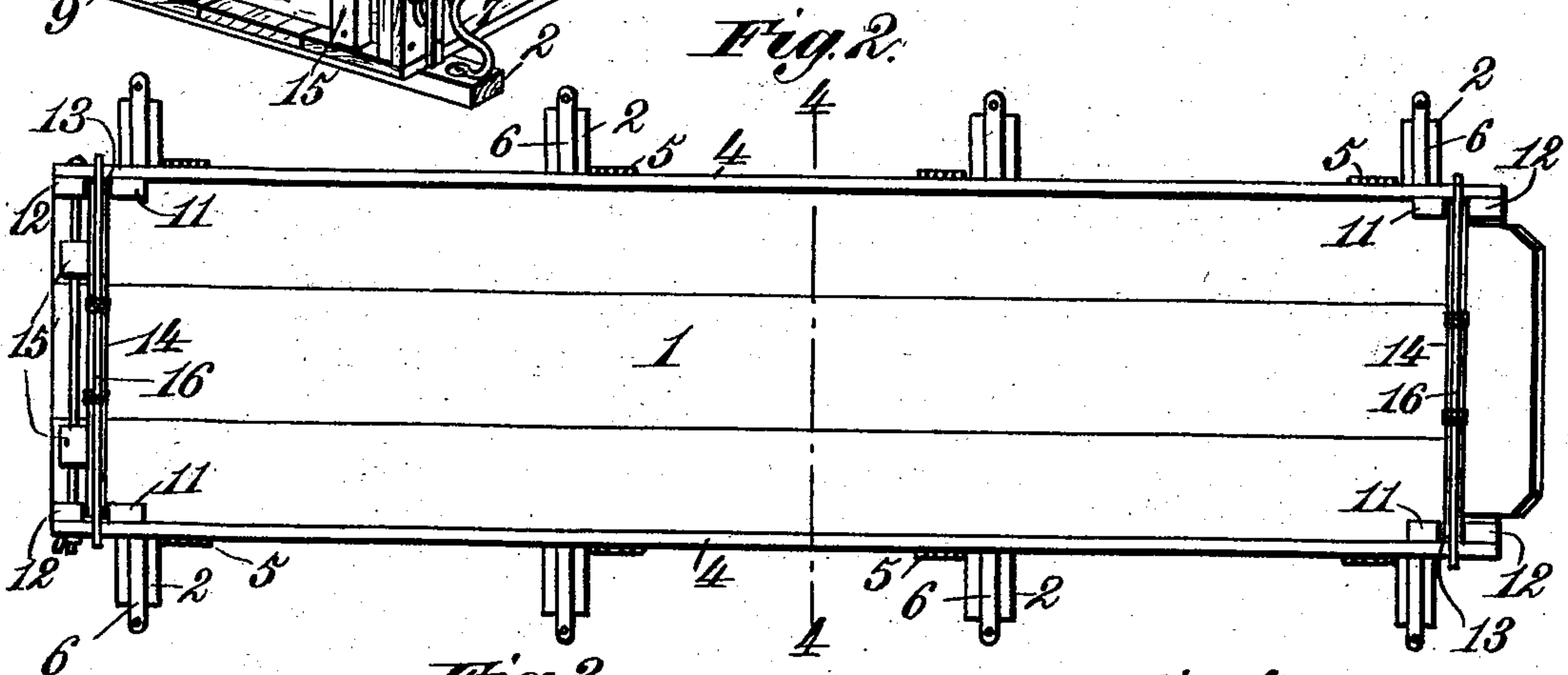
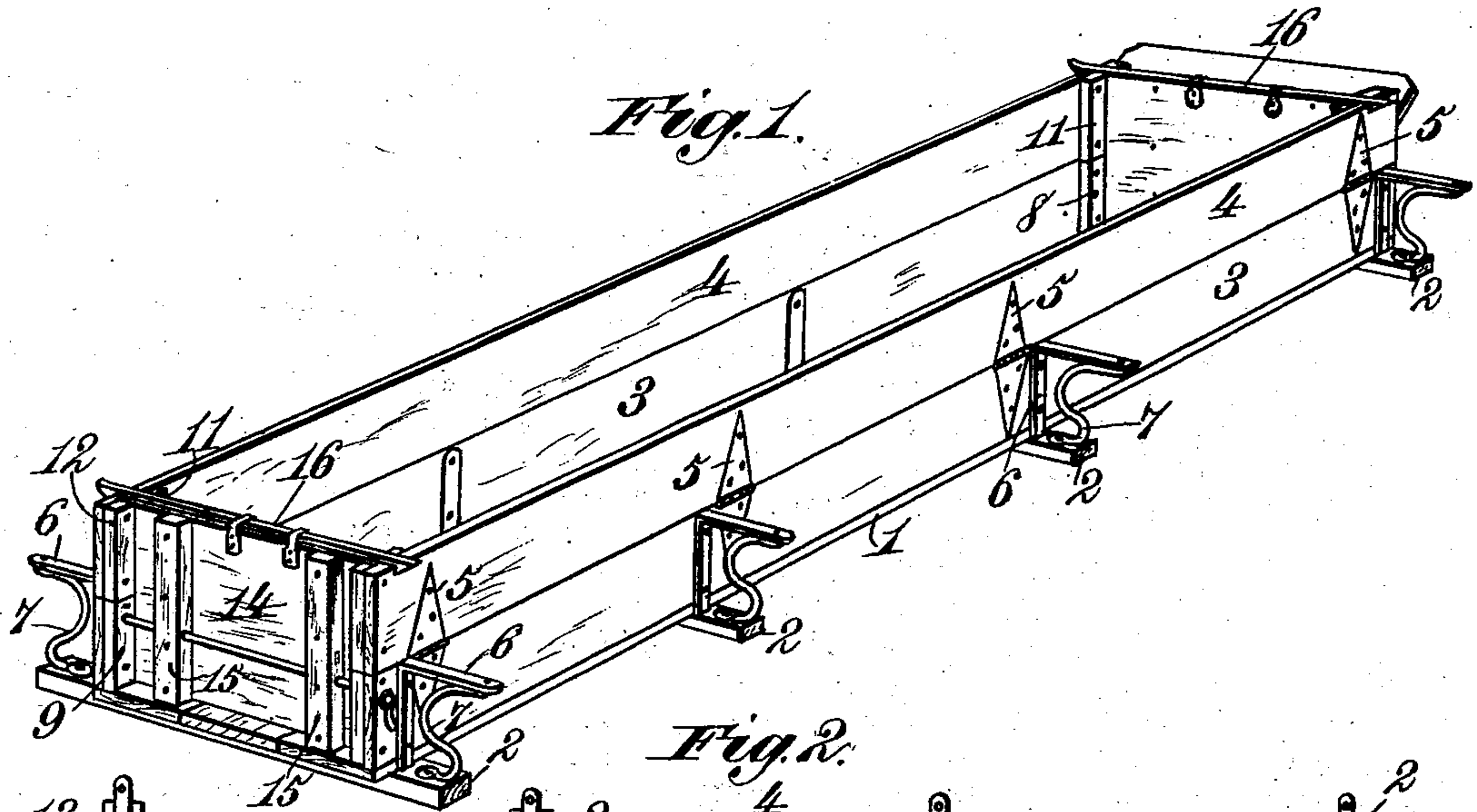
Patented Mar. 25, 1902.

R. W. HENSON.

WAGON BOX.

(Application filed Dec. 31, 1901.)

(No Model.)



Witnesses.
R. W. Henson,
U. Coombs.

Inventor.
Robert W. Henson.
By *Wm. A. Henson*
Atty.

UNITED STATES PATENT OFFICE.

ROBERT W. HENSON, OF GENEVA, NEW YORK.

WAGON-BOX.

SPECIFICATION forming part of Letters Patent No. 696,334, dated March 25, 1902.

Application filed December 31, 1901. Serial No. 87,857. (No model.)

To all whom it may concern:

Be it known that I, ROBERT W. HENSON, a citizen of the United States, residing at Geneva, Ontario county, New York, have invented certain new and useful Improvements in Wagon-Boxes, of which the following is a specification.

My invention relates to wagon-boxes, the same being particularly designed for use on wagons employed in the delivery of coal.

The object of the invention is to provide in a wagon-box having the sides thereof made in two sections located one above the other, with the upper section hinged to the lower, novel means for supporting the brackets on which the upper sections rest when swung outwardly to their open positions.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be set forth in the claim.

In the drawings forming part of this specification, Figure 1 is a perspective view of a wagon-box constructed in accordance with my invention. Fig. 2 is a plan view of the same. Fig. 3 is an end elevation. Fig. 4 is a transverse section of the same, and Fig. 5 is a detail view.

Like reference-numerals indicate like parts in the different views.

The bottom 1 of the box has secured to the under side thereof the cross-beams 2, which project out beyond the sides, as shown. Each of the sides of the box is made up of two sections, the lower section 3 being secured to the bottom 1 and the upper section 4 being connected with the upper edge of section 3 by means of the hinges 5. This connection between the two sections of each side provides for the outward swinging movement of the upper movable section 4 upon the lower section 3. To support the upper section 4 of each side when in its outer horizontal position, I provide the brackets 6, which are formed with vertical and horizontal arms, the vertical arms being secured to the section 3 of each side and the horizontal arms projecting outwardly therefrom. The brackets 6 are themselves supported by the connection between the vertical arms thereof and the sections 3 and by means of the brace-rods 7, which are secured to the outer projecting

ends of the cross-beams 2. The said cross-beams 2, with the brace-rods 7, therefore serve to produce a strong rigid support for the upper sections 4 when the latter are in their outer horizontal positions.

At each end of each section 3 of the sides of the box are secured, to the inner surface thereof, the parallel cleats 8 and 9, the said cleats forming between them a guideway 10. I also secure to the inner surface of each upper section 4 of the sides of the box, at each end thereof, the parallel cleats 11 and 12, which form between them a guideway 13. The said cleats 11 and 12 and the guideway 13 are adapted to register with the cleats 8 and 9 and the guideway 10 when the sections 4 of the sides of the box are in their raised or closed positions. The guideways 10 and 13 are provided for the reception of the side edges of the end boards 14, said end boards being solid throughout and provided with bracing-cleats 15, as clearly shown. To the upper edge of each of the end boards 14 is secured a spring-bar 16, the same being attached to said end boards at two points and having their ends projecting outwardly beyond the plane of the sides of the box. The extreme ends of said spring-bar 16 are provided with shoulders or engaging portions 17 on their under sides, adjacent to which are inclined faces 18, leading up to said shoulders. The spring-bars 16 constitute clasps for retaining the upper sections 4 of the sides of the box in their vertical or closed positions. The ends of said bars are adapted to yield vertically, so as to permit the inward folding of the sections 4, and when said sections 4 are in their vertical positions they are engaged by the shoulders 17 on said bars.

As heretofore stated, my invention is particularly designed for use on wagons for the delivery of coal in sacks or bags, although it is obvious that it may be employed for other purposes, as, for example, for the delivery of grocers' parcels in boxes or crates. By the use of the same one man is capable of handling and delivering a large number of sacks of coal. I propose to construct a box of such capacity that it will hold exactly two tons of loose coal when the box is in its closed position, one ton extending up to the line of di-

vision between the sections 3 and 4 of the sides and two tons coming up to the top of the sections 4 of the sides. The same box is capable of holding forty one-hundred-pound sacks of coal when in its closed position. Now with the wagon loaded or partially loaded, if it be desired to deliver, say, ten sacks to one customer, the driver of the wagon releases the section 4 of one side of the box and throws it down into a horizontal position upon the brackets 6. He then lifts, one at a time, the requisite number of bags from the body of the box and places the same upon the horizontal ledge formed by the open side of the box. By now stepping down he can readily lift the bags of coal, one at a time, from the ledge or shoulder referred to and carry the same to the point where they are to be deposited. When the bags have been delivered, the box may be returned to its closed position by merely raising the section 4, which was formerly thrown to its outward position, during which action the upper edge of said section will ride along the inclined faces 18 of the spring-bars 16 and seat itself behind the shoulders 17. When thus in place, danger of accidental displacement of the mov-

able section of either side is effectually avoided.

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

In a wagon-box, cross-pieces secured to the bottom thereof and projecting outwardly beyond the sides, sides made in sections, the lower section of each side being secured to the bottom of the box and the upper being hinged to the lower, fixed brackets for sustaining the upper sections of said sides when they are in open position, the said brackets having vertical portions secured to the lower sections of said sides, and horizontal portions projecting outwardly therefrom, and braces connecting the outer ends of the horizontal portions of said brackets with the projecting ends of said cross-pieces.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ROBERT W. HENSON.

Witnesses:

I. V. TRAINOR,
A. R. WYCKOFF.