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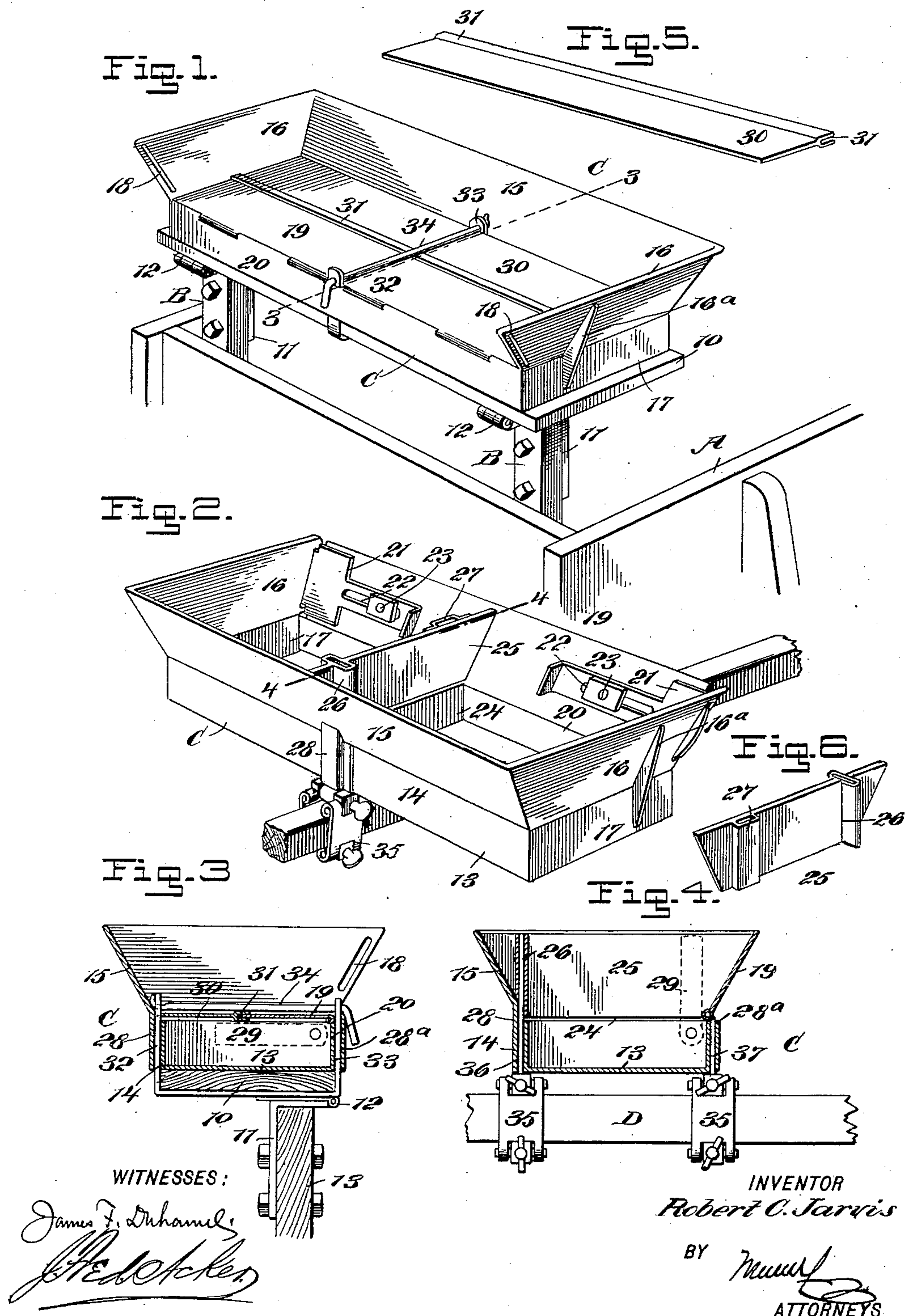
Patented June 25, 1901.

R. C. JARVIS.

COMBINED FEED BOX AND SEAT

(Application filed Jan. 17, 1901.)

(No Model.)



UNITED STATES PATENT OFFICE.

ROBERT C. JARVIS, OF WEST PULLMAN, ILLINOIS.

COMBINED FEED-BOX AND SEAT.

SPECIFICATION forming part of Letters Patent No. 677,218, dated June 25, 1901.

Application filed January 17, 1901. Serial No. 43,626. (No model.)

To all whom it may concern:

Be it known that I, ROBERT C. JARVIS, a citizen of the United States, and a resident of West Pullman, in the county of Cook and State of Illinois, have invented a new and Improved Combined Feed-Box and Seat, of which the following is a full, clear, and exact description.

One purpose of the invention is to provide a feed-box for a team which when not needed may be utilized as a seat and which when required may be quickly and conveniently secured upon the tongue or pole of the vehicle.

A further purpose of the invention is to construct a device of the character described which will be simple, durable, and economic and which may be adapted to any form of wagon.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved device utilized as a seat for a vehicle. Fig. 2 is a perspective view of the improved device, showing it utilized as a feed-box and as attached to the pole or tongue of the wagon. Fig. 3 is a transverse section taken practically on the line 3 3 of Fig. 1. Fig. 4 is a similar section taken substantially on the line 4 4 of Fig. 2. Fig. 5 is a perspective view of one of the cover-plates for the box removed therefrom; and Fig. 6 is a perspective view of a partition for the box removed therefrom, which partition constitutes an extension of a partition which is a fixture in the bottom portion of the box.

A represents the body portion of a wagon, and B posts or standards which are secured in suitable manner to the front board of the wagon. A board 10 is adapted to rest upon the upper ends of the posts B, and this board is adjustably supported by brackets 11, which brackets are secured to the posts B and have a hinged connection 12 with the board 10. This hinged connection may be so made that the board 10 may be dropped to the front or to the rear. In the drawings the

board 10 is so connected as to drop in a forward direction. The device C, as heretofore stated, is adapted to be utilized either as a feed-box or as a seat and is detachably attached to the board 10. This device consists of a bottom 13 and a longitudinal rear member 14, attached to the bottom and provided with an outwardly-flaring upper section 15, which when the device is utilized as a seat constitutes the back of said seat. Lower end members 17 are likewise attached to the bottom 13, and each of the lower end members 17 is provided with an upper outwardly-flaring section 16, corresponding to the section 15 of the rear member 14. The construction of the body portion of the device is practically completed by the addition of a longitudinal front member 20, corresponding to the rear member 14, which front member 20 has an upper section 19 hinged thereto, which upper section 19 when carried to an upper position has the same incline as the rear extension 15 and the side extensions 16; but the front extension 19 of the front member 20 is adapted to fold down to a horizontal position between the end extensions 16 and rest upon suitable supports located where the end extensions connect with the main body members 17 of the device.

At what may be termed the "forward" portion of the device when it is used as a seat, as shown in Fig. 1, transverse slots 18 are made in the end extensions 16 near their forward ends, and the folding extension-section 19 is provided at each end with slides 21, having end sections which are adapted to enter the openings 18 in the end-extension sections, and thus lock the hinged section 19 in an upper position, (shown in Fig. 2,) so that the device may be utilized as a feed-box. These slides 21 are provided with suitable slots 22, through which slots pins 23, provided with buttons, are passed. Under this construction it is evident that the hinged front section 19 may be carried to an upper position and locked in such position, as shown in Fig. 2, or may be carried to the horizontal position, (shown in Fig. 1,) and when the front hinged extension 19 is to be placed in its horizontal position the slides 21 are drawn inward as far as possible. When the hinged extension 19 is in its upper position, (shown in Fig. 2,) the slides when

pushed outward will effectually close the spaces between the ends of the front extension 19 and the end extensions 16.

At the center of the bottom portion of the box a transverse partition 24 is located, and this partition 24 is of the same transverse width as the lower rear and front members 14 and 20 of the box, so that the hinged front extension 19 may fold down and rest upon the partition 24; but when the box is to be used for feeding purposes an additional central partition 25 is employed, which is shown in detail in Fig. 6. This additional or auxiliary central partition has its ends beveled to adapt itself to the inclination of the upper front and rear extensions 19 and 15 of the box, and the said auxiliary partition 25 is provided with a transverse sleeve 26, formed integral therewith, extending from top to bottom, and a second sleeve 27, which is formed at one side of the partition, as is shown in both Figs. 2 and 6. At the central portion of the lower side member 14 a sleeve 28 is formed, which extends up at the outside of said member and communicates with the interior of the box, where the extension 15 connects with the said member 14. At the front portion of the box a similar sleeve 28^a is located; but this sleeve 28^a does not communicate with the interior of the box.

An arm 29 is pivoted upon the fixed partition 24 of the box. This arm when placed in a vertical position is adapted to pass through the side sleeve 27 of the auxiliary central partition 25, thus serving to hold said auxiliary partition in place.

When the box is to be used as a seat, the feed for the team may be placed in the bottom portion of the box, and the front hinged extension 19 is folded down horizontally, as shown in Fig. 1, the arm 29 being carried to a horizontal position. This extension member 19 will then cover about one half of the top portion of the box, and the other half of the top portion of the box is covered by a plate 30, which is provided at one longitudinal edge with a groove 31, adapted to receive the inner edge of the hinged extension member 19, and the opposing longitudinal edge of the plate 30 is supported by suitable projections from the inner face of the rear portion of the box at a point where the rear extension member 15 connects with the rear member 14. Arms 32 and 33 extend up from the board 10 at its center, one arm being at the front of the said board and the other arm at the rear of the board, and each arm 32 and 33 is provided with an opening or aperture at its upper portion. When the box has been adjusted to form a seat, the box is placed on the board 10 and the front arm 32 passes up through the sleeve 27 at the front portion of the box, while the arm 33 extends up through the sleeve at the rear portion of the box. These arms are of sufficient length to extend beyond the cover portion of the box, and the

box is locked to the board 10 by passing a pin 34 of suitable form through the apertures in the arms 32 and 33, as shown in Fig. 1.

When the box is to be employed for feeding a team, the plate 30 is removed and the hinged extension 19 is carried forward and locked to the end extensions of the box, as shown in Fig. 2. The arm 29 is then carried to an upward position and the auxiliary central partition 25 is placed in position within the box, the arm 29 passing through the side sleeve 27 on the auxiliary partition. Two clips 35 of any suitable construction are secured upon the pole or tongue D at or near its outer end, and one clip carries a hinged arm 36, capable of occupying a vertical position, while the other clip carries a corresponding, yet shorter, arm 37. The longer arm 36 extends up through the sleeve 28, which is now brought to the front and through the sleeve 26 on the auxiliary partition 25, while the other arm 37 extends up into the sleeve 28^a, as shown in Fig. 4. In this manner the box is temporarily yet steadfastly secured on the pole or tongue, and the horses may feed from the box without danger of displacing it. After the team has finished its meal the box may be restored to seat form and again placed in position upon the board 10.

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

1. A feed-box having a fixed longitudinal upper extension and fixed end extensions, together with an opposing hinged longitudinal extension, adapted to occupy a horizontal or an upright position, locking devices for the hinged extension, and a cover arranged to contact with the hinged extension when said extension is in a horizontal position, as described.

2. A combined seat and feed-box, consisting of a body having outwardly-flared upper end extensions and side extensions, one of the said extensions being hinged to the body, locking devices carried by the hinged extension, a removable partition for the box, and means for securing the box on the pole of the wagon or on uprights secured to the wagon, as described.

3. A seat for wagons, adapted also as a feed-box, the said seat comprising a box-body having longitudinal flaring end and side extensions, one of the said extensions having a hinged connection with the body of the box, and locking devices for the hinged extension, adapted for engagement with the end extensions of the box, a removable partition for the said box, provided with sleeves, and a partial cover for the box, having a longitudinal groove arranged to receive the inner, longitudinal edge of the folding extension when the said extension is carried to a horizontal position, sleeves located at the side portions of the said box, and arms adapted for attachment to a portion of the wagon, which arms

extend through the said sleeves at the sides of the box, for the purpose set forth.

4. The combination, with a box adapted for use as a seat or as a feed-box, the body portion of which box is provided with upwardly and outwardly flared extensions, one of which extensions has a hinged connection with the body of said box, a partial cover for the box, arranged for interlocking engagement with the hinged extension when the latter is in a horizontal position, a removable partition for the box, having sleeves formed therein, sleeves formed at the sides of the said box, one of which box-sleeves is adapted to register with a sleeve of the partition, and locking devices

for the said hinged extension, of arms adapted for attachment to a portion of a wagon, which arms are arranged to pass through the sleeves upon the box and through one of the sleeves in the removable partition, and a pivoted arm carried by said box and arranged to enter another sleeve in the removable partition, for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT C. JARVIS.

Witnesses:

S. L. WILLIAMS,
F. B. WILLIAMS.