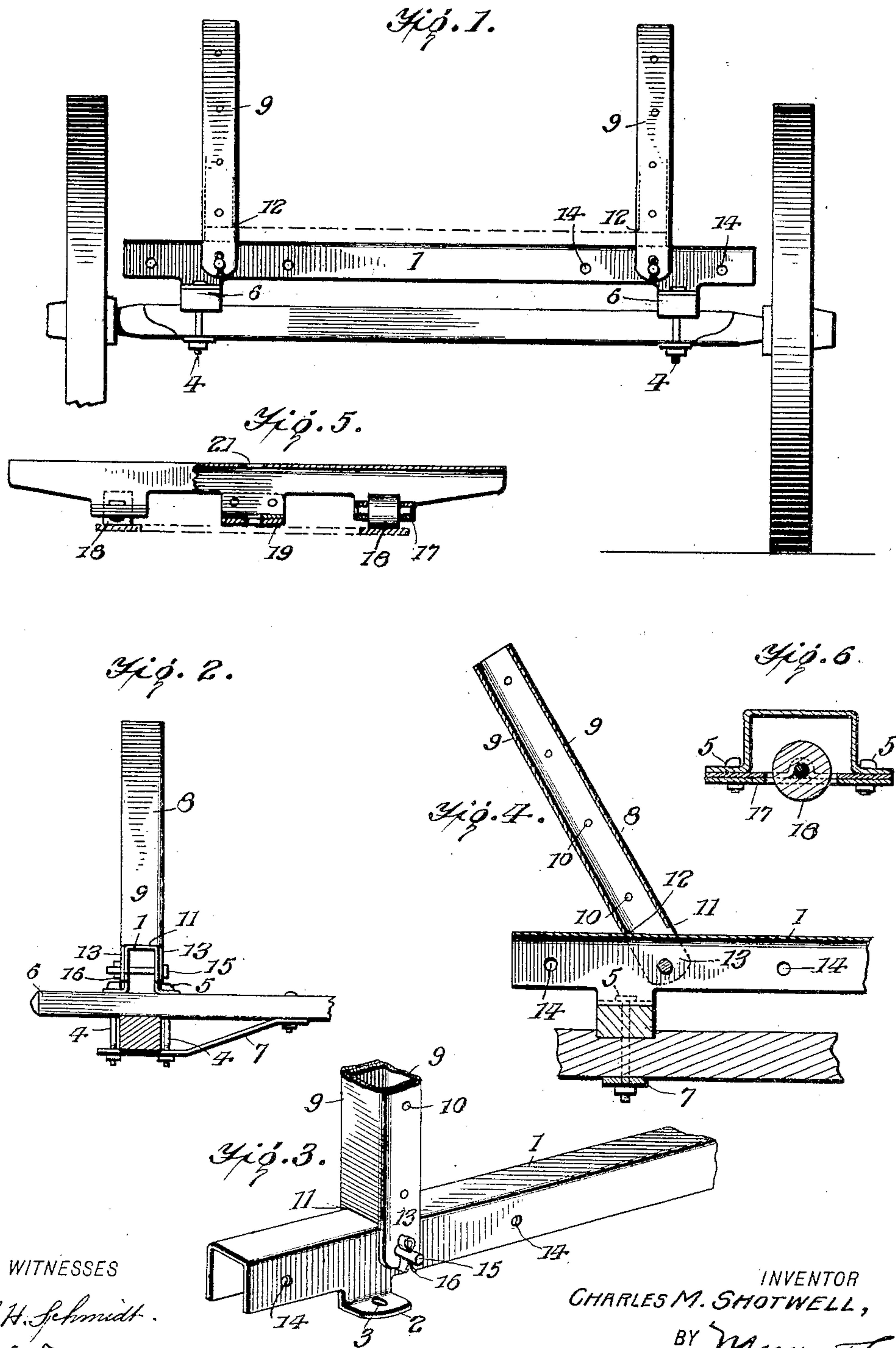


C. M. SHOTWELL.
BOLSTER AND STANDARD FOR WAGONS.
APPLICATION FILED AUG. 3, 1908.

912,190.

Patented Feb. 9, 1909.



WITNESSES
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UNITED STATES PATENT OFFICE.

CHARLES MARTIN SHOTWELL, OF FOSSIL, WYOMING.

BOLSTER AND STANDARD FOR WAGONS.

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To all whom it may concern:

Be it known that I, CHARLES M. SHOTWELL, a citizen of the United States, and a resident of Fossil, in the county of Uinta and State of Wyoming, have invented certain new and useful Improvements in Bolsters and Standards for Wagons, of which the following is a specification.

My invention is an improvement in bolsters and consists in certain novel constructions and combinations of parts hereinafter described and claimed.

The object of the invention is to provide adjustable standards which may be arranged to fit different widths of beds or of articles carried on the bolster or which may be inclined with respect to the bolster for supporting hopper shaped beds and the like.

Referring to the drawings forming a part hereof Figure 1 is a rear view of a portion of the wagon provided with a bolster constructed in accordance with my improvement. Fig. 2 is a transverse section of the bolster. Fig. 3 is a detail perspective view of a portion of the bolster showing the manner of connecting the standards. Fig. 4 is a central longitudinal section of a portion of the bolster and a standard. Fig. 5 is a rear view partly in section of the front bolster, and Fig. 6 is a transverse section on the line of one of the rollers.

The rear bolster 1, is of inverted U-shape having near each end a pair of integral lateral lugs 2, which are provided with openings 3, for receiving bolts 4 for securing the bolster to the running gear of the wagon. The openings 3 are arranged close to the body of the bolster, and the heads of the bolts 4 are cut away as at 5, the cut-away portion engaging the body of the bolster. The pairs of lugs 2, are spaced to correspond to the position of the hounds 6, and the bolts 4 traverse the hounds and a brace 7 arranged below the axle and connecting the lower face of the axle with the lower face of the hounds.

The standards 8 are each composed of a pair of channel or U-shaped members 9 having their side walls overlapping and connected as at 10, to form a hollow substantially rectangular standard. The inner and the outer faces of each standard is cut-away as at 11, 12, the cut out portion 12 extending above the portion 11, whereby oppositely arranged lugs 13 are formed, said lugs being arranged upon each side of the bolster.

Each side member of the bolster is provided with a longitudinal series of spaced openings 14, and the lugs 13 are also provided with openings which are adapted to register with the openings 14 and headed pins or bolts 15 traverse the registering openings, the free ends of the bolts being traversed by cotter pins 16 for retaining the standards in place.

It will be evident from the description, that the standards may be adjusted toward and from each other to correspond with different widths of wagon beds, and that by arranging the standards with the cut away portion 12 outwardly, they may be inclined with respect to the bolster as shown in Fig. 4, whereby to receive a hopper shaped receptacle. When the cut away portions 12 are arranged inwardly a bar may be placed on top of the bolster for elevating the bed, the ends of the bar being received in the cut-away portions 12.

The front bolster is constructed precisely like the rear bolster except that bearing plates 17, each of which has a roller 18 journaled therein, are secured to the lugs 2, and at its center the bottom of the bolster is provided with a cross plate 19, bolted thereto by bolts 20, and an opening 4 is arranged vertically through the bolster and the cross plate for receiving the king-bolt 21. This arrangement permits the bolster to rotate on the king-bolt, the rollers moving on the front hounds.

I claim:

1. A bolster provided at spaced intervals with transverse openings, and hollow standards, each having its lower end cut-away on opposite sides, to form ears, the cut away portion upon one side being of greater extent than the other, whereby to permit the standard to take an inclined position with respect to the bolster, and bolts traversing the ears and the transverse openings of the standards.

2. A hollow bolster having a series of spaced transverse openings, and standards having ears depending upon each side of the bolster, bolts traversing the ears and the openings of the bolster, one side of said standards between the ears and adjacent to the bolster being cut away to permit the standards to take an inclined position with respect to the bolster.

3. A bolster provided with spaced transverse openings, and standards having lugs engaging the sides of the bolster and pivoted

thereto, said standards being hollow, and substantially rectangular in cross section, and having one of the sides between the lugs cut-away whereby to permit the standard
5 to take an inclined position with respect to the bolster, said standards being reversible for the purpose set forth.

4. A bolster provided with spaced transverse openings, and standards having lugs
10 engaging the sides of the bolster and pivoted

thereto, said standards being hollow and having one of the sides between the lugs cut-away whereby to permit the standard to take an inclined position with respect to the bolster, said standards being reversible for
15 the purpose set forth.

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Witnesses:

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