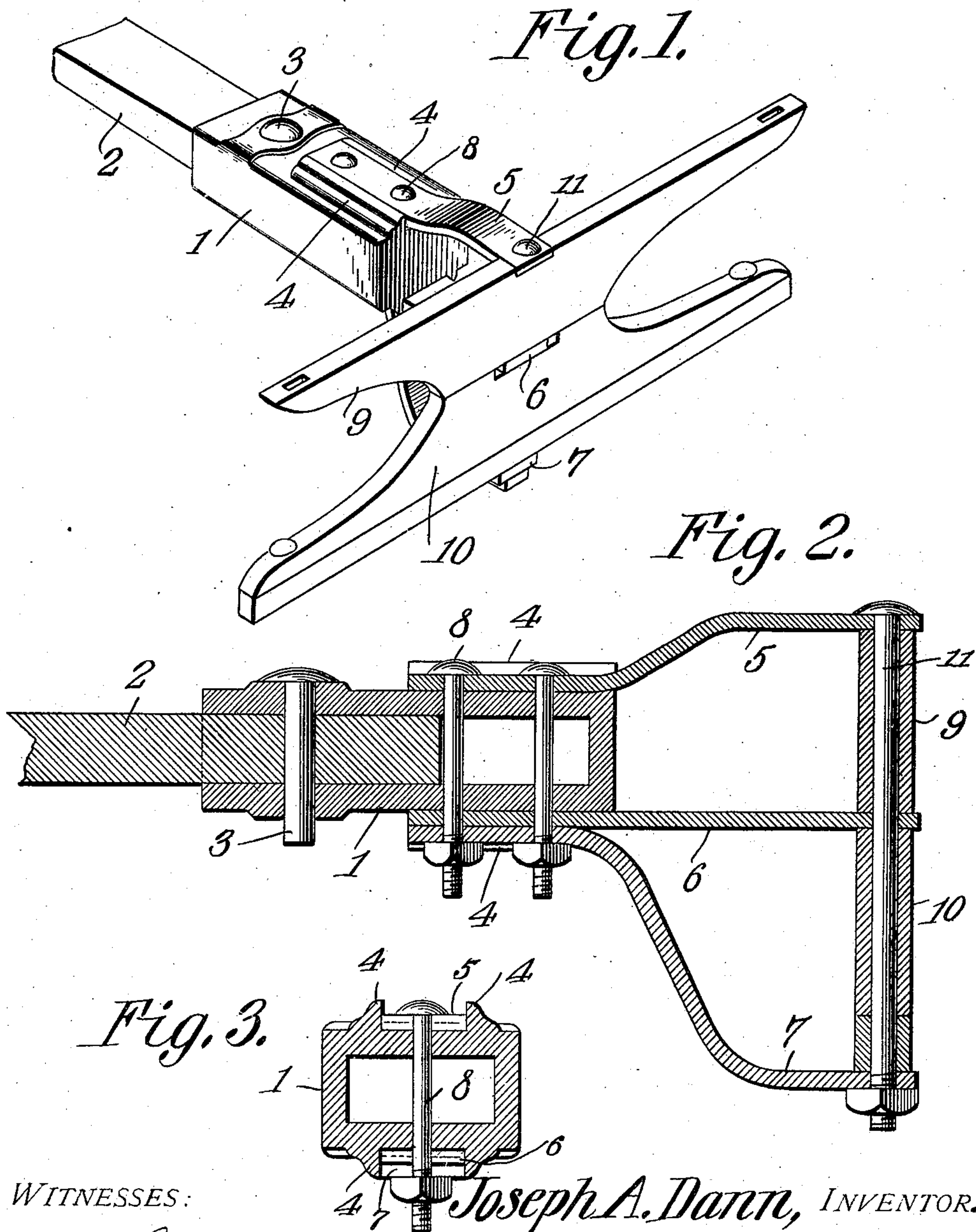


No. 844,501.

PATENTED FEB. 19, 1907.

J. A. DANN.
VEHICLE REACH COUPLING.
APPLICATION FILED NOV. 13, 1906.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH A. DANN, OF MIAMI, FLORIDA.

VEHICLE REACH-COUPLING.

No. 844,501.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed November 13, 1906. Serial No. 343,277.

To all whom it may concern:

Be it known that I, JOSEPH A. DANN, a citizen of the United States, residing at Miami, in the county of Dade and State of Florida, have invented a new and useful Vehicle Reach-Coupling, of which the following is a specification.

This invention has relation to box-couplings for vehicle-reaches; and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a coupling of the nature indicated which consists, primarily, of a box portion within which the end of the reach snugly fits and is secured therein by means of a coupling-pin passing vertically through the box and the reach. The upper and lower sides of the said box are provided with spaced parallel ribs, and between said ribs are secured the rear ends of bars, which are separated at their opposite ends in order to receive between them the wagon-bolster and the axle-bed. The intermediate bar is straight along its longitudinal axis, while the upper and lower bars are curved upwardly and downwardly, respectively. The pivot-bolt of the axle serves as a means for pivotally connecting the said bars to the bolster and axle-bed.

In the accompanying drawings, Figure 1 is a perspective view of the reach-coupling. Fig. 2 is a vertical sectional view of the same, and Fig. 3 is a transverse sectional view of the coupling-box.

The reach-coupling comprises the box 1, which is closed at one end and open at its opposite end, the sides of the said box being completely closed and forming a casing for the end of the reach 2, which enters the said box through the open end thereof and fits snugly within the same. The reach-coupling pin 3 passes vertically through the box 1 and the reach 2 and secures the said parts together. The upper and lower sides of the box 1 are provided with the spaced parallel ribs 4. The rear ends of the bars 5, 6, and 7 are located between the ribs 4, the end of the bar 5 lying between the upper rib and the ends of the bars 6 and 7 lying between the lower

ribs 4. The bolts 8 8 pass vertically through the box 1 and the said bars. The intermediate bar 6 is straight along its longitudinal axis, while the bar 5 is upwardly curved and the bar 7 downwardly curved. The opposite ends of the bars 5 and 6 receive between them the body-bolster 9, while the opposite ends of the bars 6 and 7 receive between them the axle-bed 10. The axle-bolt 11 serves as a means for pivotally connecting the last said parts together.

It will thus be seen that a reach-coupling is provided which completely houses the end of the reach and forms a direct straight connection with the axle-bolt and is also connected above and below the body-bolster and the axle-bed with the axle-bolt. Thus a simple and durable reach-coupling is provided and one that is so assembled as to not readily become loosened, and consequently vibrate and rattle.

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

1. A reach-coupling comprising a box having closed sides and an open end adapted to receive the reach, parallel spaced ribs located upon the upper and lower surfaces of the box, bars secured at their ends between said ribs and extending at their opposite ends to the body-bolster and axle-bed and being pivotally secured to the latter.

2. A reach-coupling comprising a box having closed sides and an open end adapted to receive a reach said box having upon its upper and lower sides parallel spaced ribs, bars secured at their rear ends between said ribs, the intermediate member of said bars being straight and the outer members being curved, said bars receiving between them the body-bolster and the axle-bed to which they are pivoted.

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

JOSEPH A. DANN.

Witnesses:

W. M. POPE,

J. R. ANTHONY, Sr.