A. A. KRAMER.

TANK CONSTRUCTION.

APPLICATION FILED FEB. 9, 1920.

1,341,216. Patented May 25, 1920.

Fig. I.

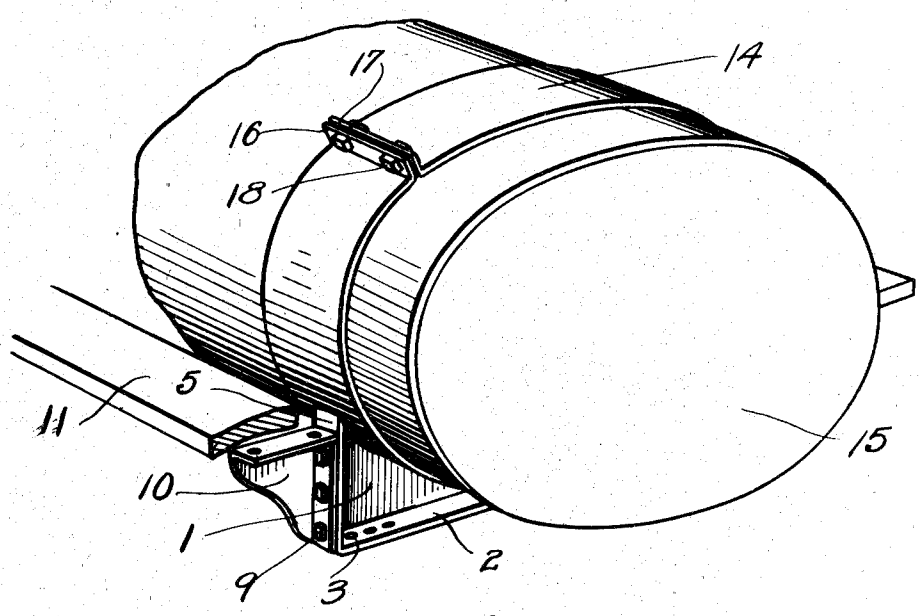
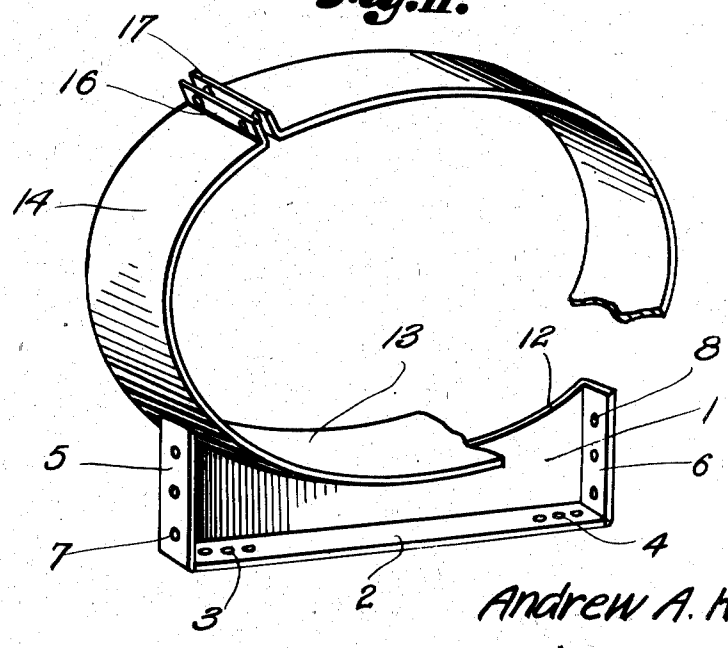


Fig. II.



Inventor

Andrew A. Kramer.

By Arthur C. Brown

Attorney

UNITED STATES PATENT OFFICE.

ANDREW A. KRAMER, OF KANSAS CITY, MISSOURI.

TANK CONSTRUCTION.

1,341,216. Specification of Letters Patent. Patented May 25, 1920.

Application filed February 9, 1920. Serial No. 357,238.

To all whom it may concern:

Be it known that I, ANDREW A. KRAMER, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Tank Construction; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to tank construction for vehicles or rolling stock and one of the objects thereof is to provide a complete bolster and fastening means whereby the bolster may be efficiently and expeditiously secured to the tank, the bolster being so constructed that a seat is formed for the tank in the form of a band, the band being integral with the bolster proper and the bolster being adjustable with relation to the frame or support to which it is to be attached.

Means is also provided whereby a can rack may be fastened to the bolster, if desired.

In the drawings,

Figure I is a perspective view of a bolster constructed in accordance with my invention and part of a tank secured thereto, and

Fig. II is a detail perspective view of a bolster and band.

Referring now to the drawings by numerals of reference:

1 designates a web or sheet having a base flange 2, near the respective ends of which is a plurality of holes or openings 3 and 4, into any one of which may be introduced a fastening device to secure the device to a wagon or vehicle, the adjustment being desirable on account of the different widths of the vehicles.

At the respective ends of the sheet or web are right angularly disposed can rack bracket supporting flanges 5 and 6 having a plurality of holes or openings 7 and 8, through which fastening devices such as indicated at 9 may pass to secure the can rack brackets thereto, there being but one bracket shown on the left hand side of Fig. I. It is obvious that double brackets may be secured on the other side, the bracket being for the purpose of supporting the floor board 11 of the can rack in a well understood manner.

The upper edge of the web or sheet 1 is curved, as at 12, to conform to the bottom portion 13 of the band or ring 14, which is adapted to encircle the tank or receptacle 15, as clearly seen in Fig. I. The band or ring 14 may be welded to the edge 12 of the web or sheet 1 or secured in any other well known manner, so that when the band is in place, it will serve as an efficient saddle or seat to receive the tank 15, and said tank may be secured to the band or ring by bringing the two flanged ends 16 and 17 together and securing them by the fastening device 18.

When the parts are assembled as shown in Fig. II, the band may be opened to receive the tank and then closed and fastened by the fastening device 18. The band not only serves as a fastening means for securing the tank to the bolster but it also serves as an efficient shock absorbing means, whereby the shocks communicated to the vehicle in its passage over unequal surfaces will be absorbed by the bolster and band and, therefore, not communicated to any appreciable extent to the tank so as to cause distortion thereof, which would be the case where the tank took the major portion of the shock.

What I claim and desire to secure by Letters-Patent is:

1. A bolster having a vertical web, and a tank securing band carried by and secured to said bolster.

2. A bolster having a curved upper edge, and a tank-engaging band integral with and extending above the bolster.

3. A bolster having flanged ends, a base flange for the bolster, and a tank-engaging band rigid with the bolster.

4. A bolster having a web provided with a curved upper edge, and a tank-engaging band welded to the curved upper edge of the bolster.

5. A bolster having a vertical web, and a tank-engaging band, the width of which is arranged at right angles to the width of the bolster, said band being secured to the top edge of the bolster.

6. A bolster having a vertical web, a lateral base flange, vertical end flanges, and a tank-encircling band secured to the top edge of the bolster.

In testimony whereof I affix my signature.

ANDREW A. KRAMER.