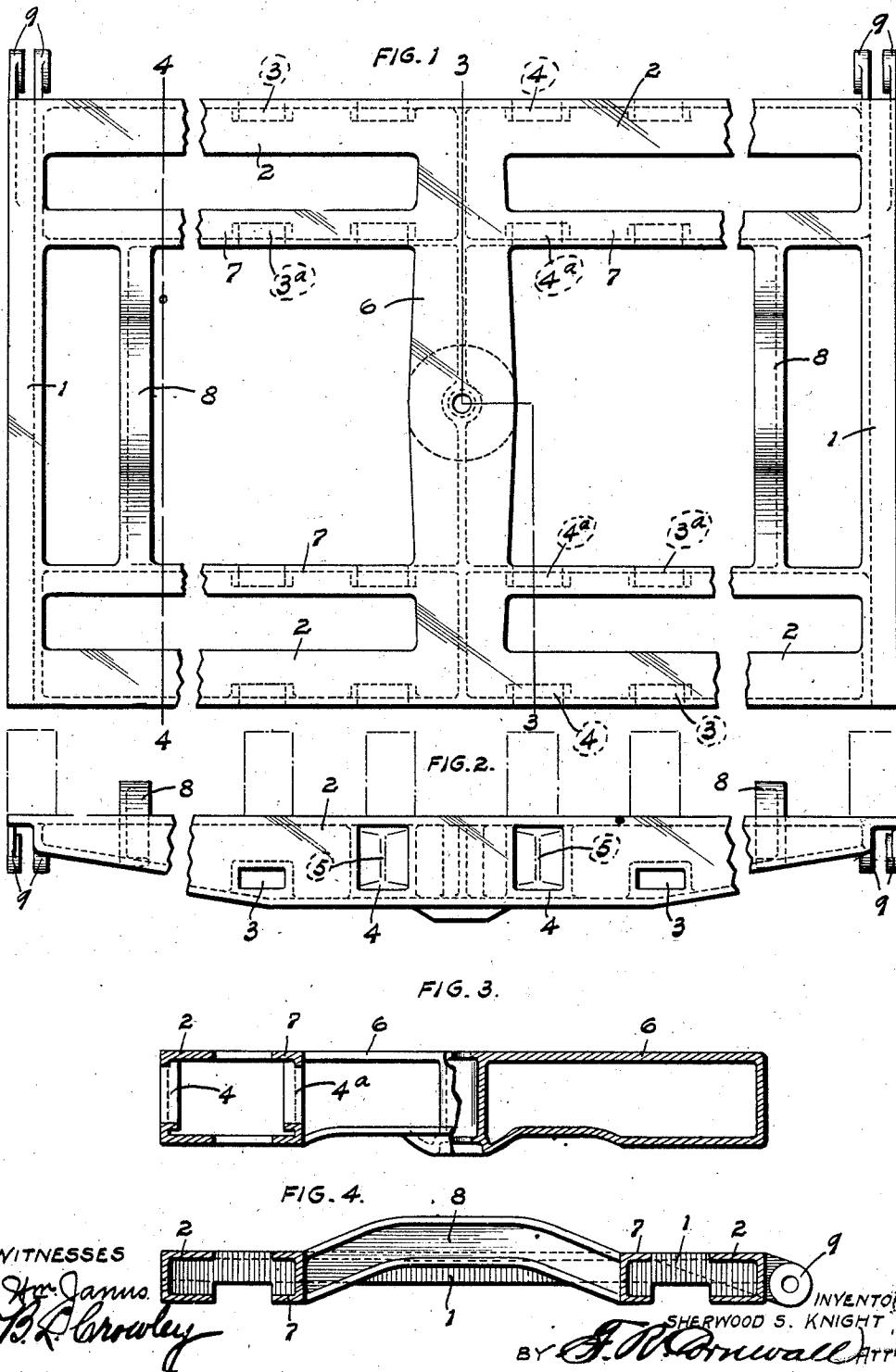


S. S. KNIGHT.
DOUBLE BODY BOLSTER.
APPLICATION FILED JAN. 27, 1911.

997,394

Patented July 11, 1911.



UNITED STATES PATENT OFFICE.

SHERWOOD S. KNIGHT, OF ST. LOUIS, MISSOURI, ASSIGNOR TO SCULLIN-GALLAGHER
IRON & STEEL COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI.

DOUBLE BODY-BOLSTER.

997,394.

Specification of Letters Patent.

Patented July 11, 1911.

Application filed January 27, 1911. Serial No. 605,014.

To all whom it may concern:

Be it known that I, SHERWOOD S. KNIGHT, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Double Body-Bolsters, of which the following is a full, clear, and exact description, 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, forming part of this specification, in which—

Figure 1 is a plan view of my improved double body bolster; Fig. 2 is an end view of the same; Fig. 3 is a sectional view on line 3—3, Fig. 1, and Fig. 4 is a sectional view on line 4—4, Fig. 1.

This invention relates to new and useful improvements in double body bolsters for railway cars, the object being to construct the device in a simple and cheap manner, the various parts being cast integral.

In the drawings, 1 indicates the side members, and 2 the end members, which latter are preferably channel-shaped and provided with openings 3 and 4, the latter being designed to receive the longitudinal members 5 of the center sill.

6 is the bolster member preferably made I-shape in cross-section and having the center bearing formed thereon at its center, a suitable opening being provided for the passage of the king-pin.

7 indicates a strengthening member, preferably channel-shaped in cross-section and having openings 3^a and 4^a registering with the openings 3 and 4. This member 7 extends parallel to the end members 2.

8 indicate arched channel-shaped members connecting the member 7 adjacent their ends and extending parallel to the side members 1. These members are preferably arched to provide clearance for the wheels of the truck which are located therebeneath, and between said members 8 and the side members 1.

9 are lugs extending downwardly from the end members 2 for the attachment of truss rods.

I claim:

1. A double body bolster comprising side and end members, a bolster member, strengthening members parallel to the end members, which end members and strengthening members are provided with aligned openings adapted to receive longitudinally disposed members of the center sill of the under frame and arched strengthening members parallel to the side members and connected to the first mentioned strengthening members near their ends.

2. A double body bolster in the form of a casting comprising side members, channel-shaped end members, an I-shaped bolster member, channel-shaped strengthening members connecting the side members and the bolster and extending parallel to the end members, which end members and strengthening members are provided with aligned openings adapted to receive longitudinally disposed members of the center sill of the under frame and reinforcing arched channel-shaped members connecting said strengthening members and extending parallel to the side members.

3. The herein described double body bolster comprising side members, end members, strengthening members parallel to the end members, which end members and strengthening members are provided with aligned openings adapted to receive longitudinally disposed members of the underframe of the car body, a centrally disposed bolster uniting the central portions of the strengthening members and end members, arched strengthening members connecting the first mentioned strengthening members and extending parallel to the side members and depending pairs of lugs at the ends of one of the end members, all of which parts are cast integral.

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this 25th day of January, 1911.

SHERWOOD S. KNIGHT.

Witnesses:

M. P. SMITH,
ALMA GEBHART.