

No. 689,611.

Patented Dec. 24, 1901.

A. H. HAGEMIER.
BODY BOLSTER.

(Application filed May 4, 1901.)

(No Model.)

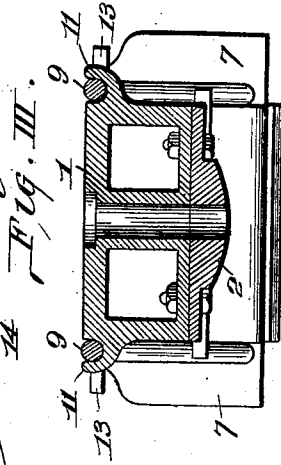
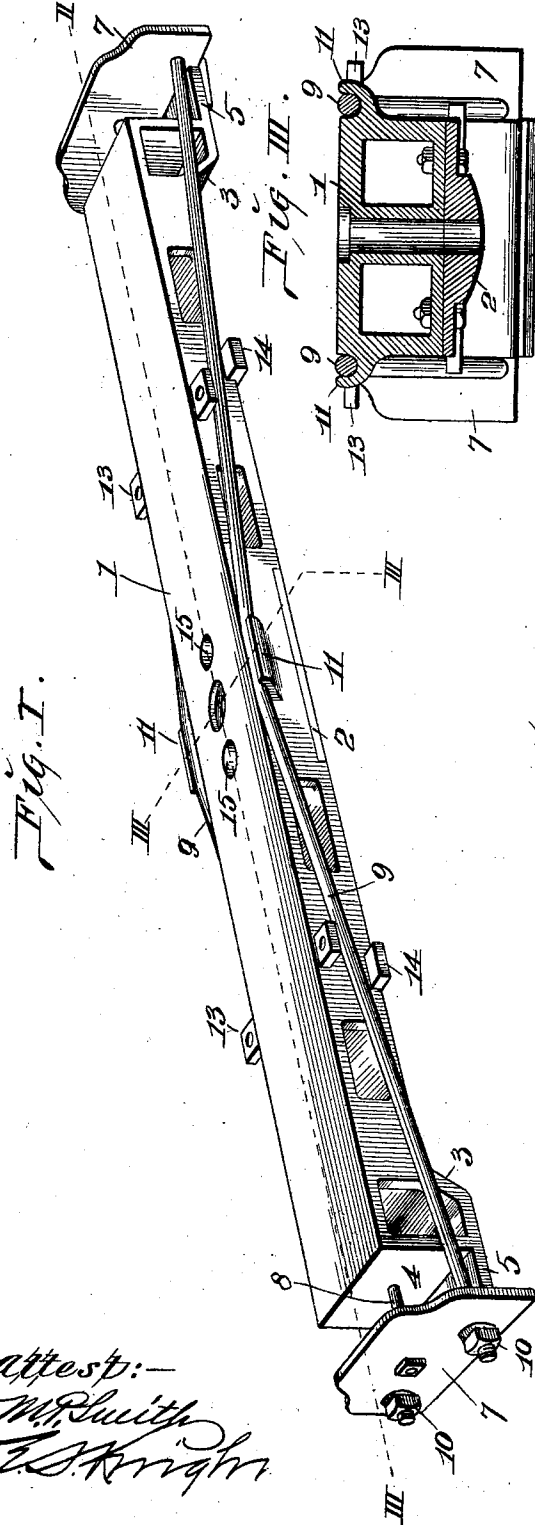
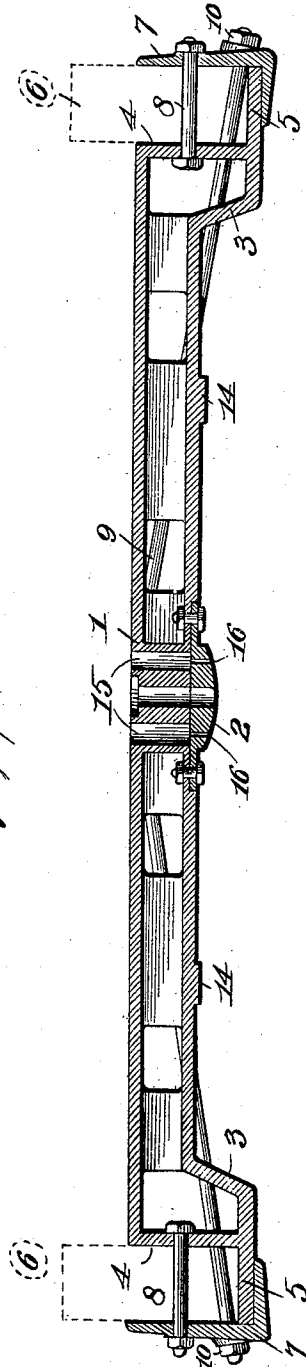


Fig. II.



attest:—
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UNITED STATES PATENT OFFICE.

AUGUST H. HAGEMEIER, OF ST. LOUIS, MISSOURI, ASSIGNOR TO ST. LOUIS CAR COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION.

BODY-BOLSTER.

SPECIFICATION forming part of Letters Patent No. 689,611, dated December 24, 1901.

Application filed May 4, 1901. Serial No. 58,780. (No model.)

To all whom it may concern:

Be it known that I, AUGUST H. HAGEMEIER, a citizen of the United States, residing in the city of St. Louis and State of Missouri, have
5 invented certain new and useful Improvements in Body-Bolsters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 My invention relates to a body-bolster for railway-cars, the object being to form a bolster that is inexpensive to make and which possesses the requisite strength, while at the same time being comparatively light.

15 My invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a perspective view of my improved bolster. Fig. II is a vertical longitudinal section taken on line II II, Fig. I. Fig.
20 III is a vertical transverse section taken on line III III, Fig. I.

Referring to the drawings, 1 represents the body of the bolster, which is rectangular in
25 transverse section and to the central bottom part of which is secured the center bearing 2. The body is hollow, and the lower wall thereof is extended downwardly near each end of the bolster, as shown at 3, from where the bottom
30 wall extends outwardly beyond the end 4 of the beam to form ledges 5 to receive the outer sill 6 of the car-body. Fitting outside of the sills 6 are L-shaped plates 7, the bottom flanges of which fit beneath the ledges 5, while the
35 vertical flanges are secured by bolts 8 to the ends 4 of the bolster, the bolts passing through the sills 6.

9 represents truss-rods, one at each side of the bolster, the ends of which pass through
40 the plates 7, where they are provided with nuts 10, while the central portions of the rods pass over flanges or ears 11 on the sides of the bolster. The ends of the rods 9 pass through the sills 6, and thus the rods act with the bolts
45 8 to clamp the bolster firmly to the outer sills of the car-body.

The bolster is provided with perforated ears 13 for the attachment of the bolster by bolts to the inner sills of the car-body, and the bottom of the bolster is provided with wear
50 plates or projections 14 to receive the side bearings of the truck-bolster.

For the purpose of providing for lubrication I form pockets 15 in the body of the bolster at the location of the center bearing 2,
55 the pockets being designed to receive waste or other absorbent that when saturated with oil such oil is permitted to flow slowly from the pockets through ducts 16 in the center bearing to lubricate the under side thereof
60 and the member on which it rests.

I claim as my invention—

1. A body-bolster having end ledges to receive the outside sills of the car-body, L-shaped plates fitting under said ledges and
65 adapted to bear against the outer sills, and truss-rods passing through said plates and over ears or projections on the sides of the bolster, substantially as set forth.

2. A body-bolster having ends 4, depressed
70 portions 3, ledges extending from the bottom of the depressed portions outwardly beyond the ends of the bolster, plates fitting beneath said ledges and which are adapted to be bolted to said ends, and truss-rods passing through
75 said plates and over ears projecting from the central upper portion of the bolster, substantially as set forth.

3. A body-bolster having end ledges to receive the outer sills of the car-body, in combination with plates adapted to fit against
80 the ends of said ledges and against the outer sills, and truss-rods passing through said plates and over ears projecting from the sides of the body of the bolster, substantially as
85 set forth.

AUGUST H. HAGEMEIER.

In presence of—

E. S. KNIGHT,
M. P. SMITH.