

No. 747,934.

PATENTED DEC. 29, 1903.

S. P. BUSH.
CAR BOLSTER.

APPLICATION FILED AUG. 19, 1901.

NO MODEL.

Fig. 1.

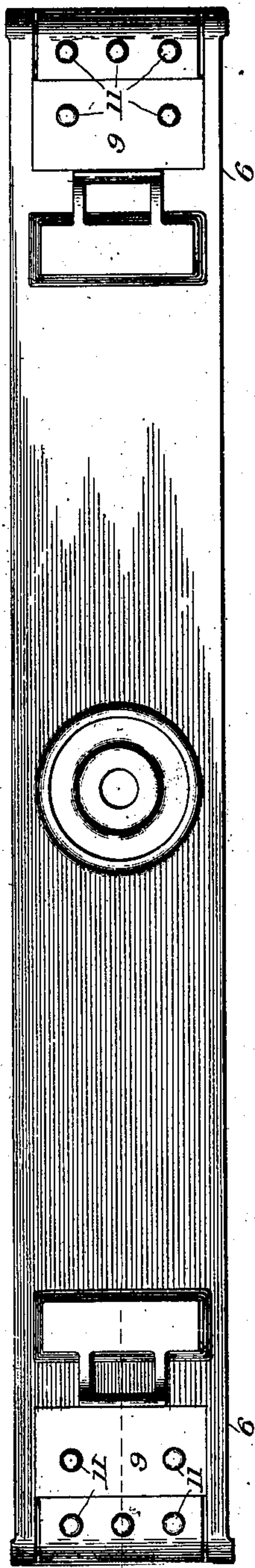


Fig. 2.

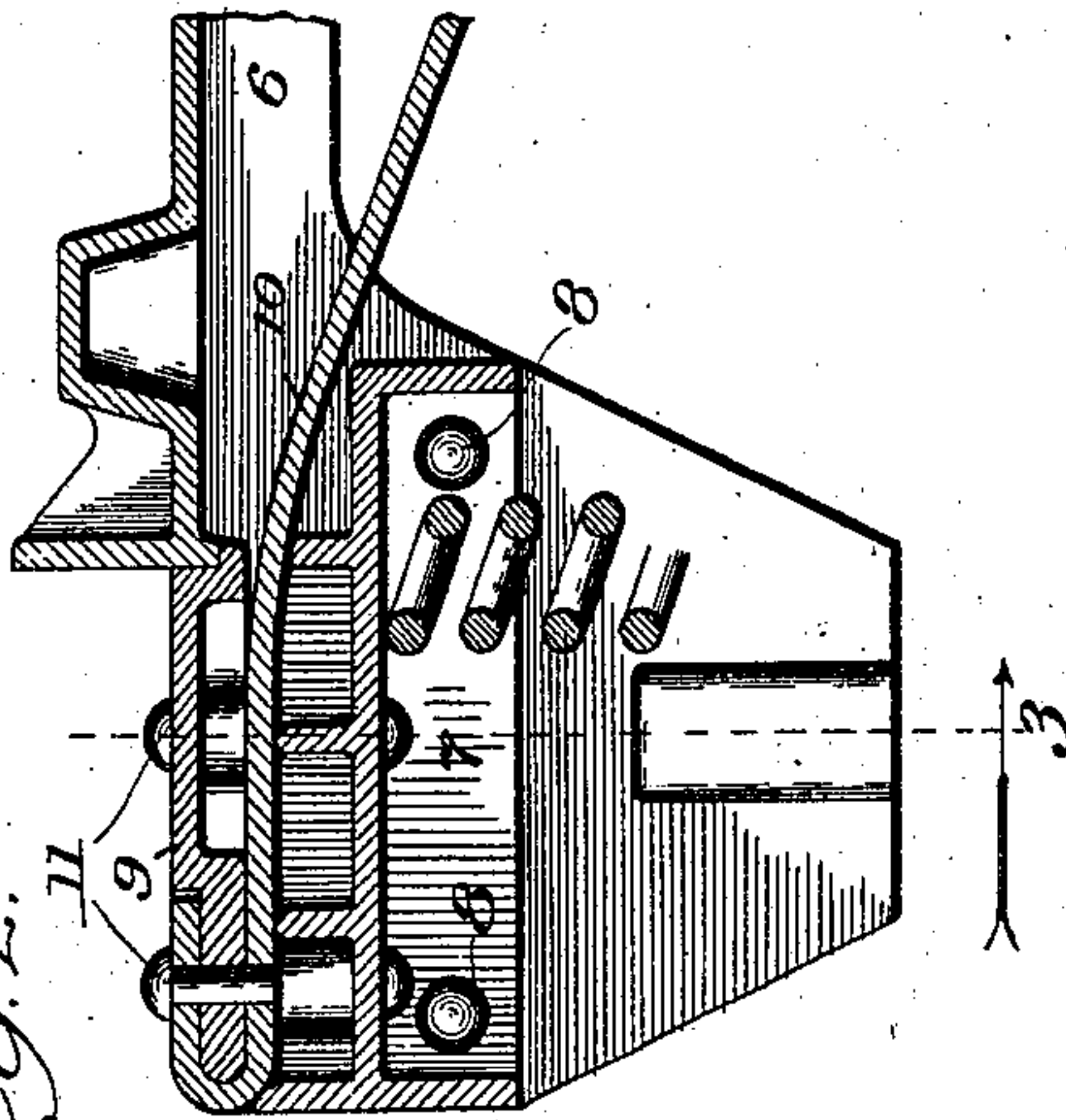


Fig. 3.

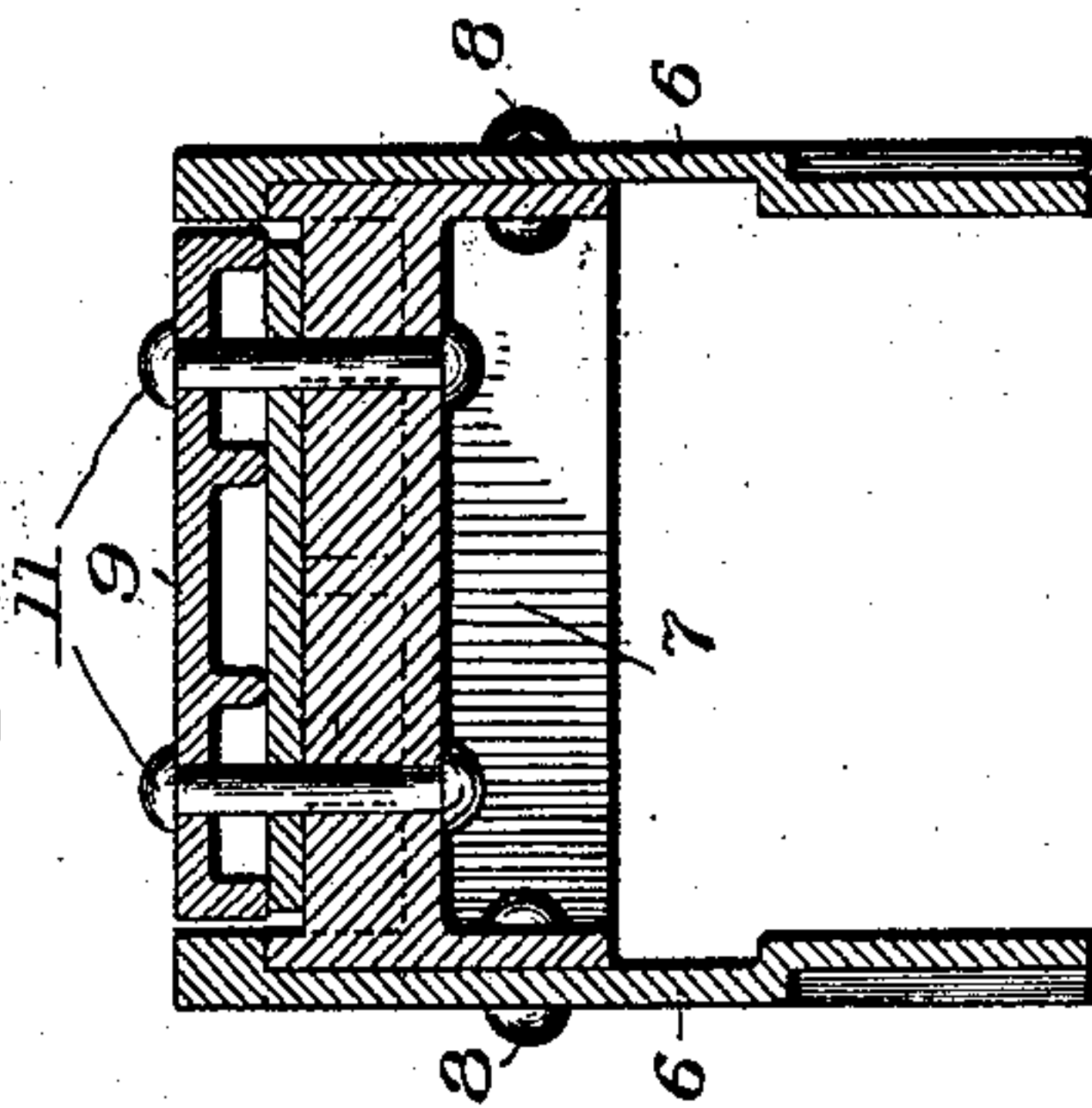
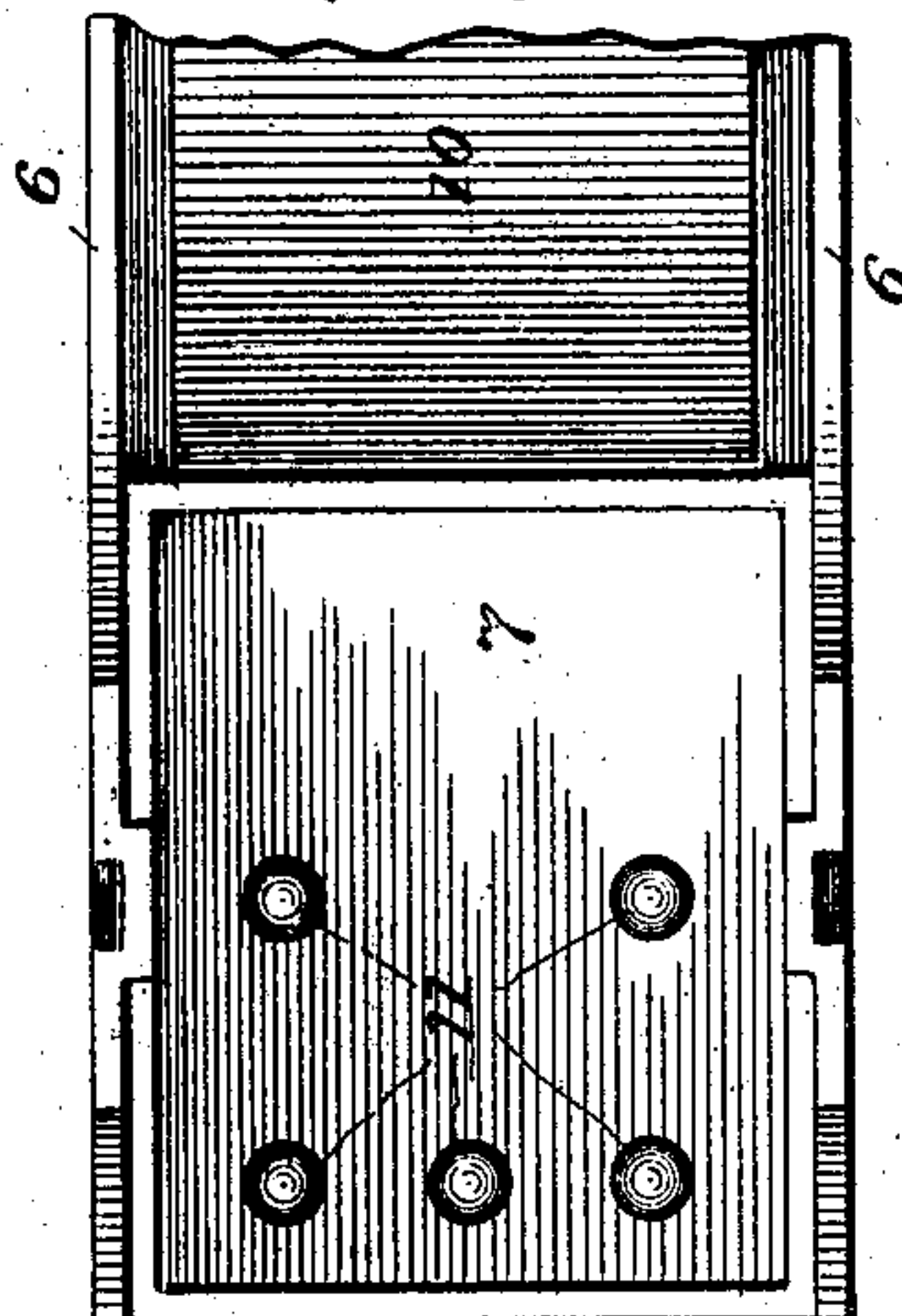


Fig. 4.



Witnesses:

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By

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UNITED STATES PATENT OFFICE.

SAMUEL P. BUSH, OF COLUMBUS, OHIO.

CAR-BOLSTER.

SPECIFICATION forming part of Letters Patent No. 747,934, dated December 29, 1903.

Application filed August 19, 1901. Serial No. 72,532. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL PRESCOTT BUSH, a citizen of the United States, residing at Columbus, Franklin county, Ohio, have invented a certain new and useful Improvement in Car-Bolsters, of which the following, taken in connection with the accompanying drawings, is a specification.

The first object of my invention is to combine the compression and tension members of a bolster, where the same are joined together at their ends with a suitable block, preferably of cast metal, and secured to the compression member, and shouldered so as to engage said compression member, the tension member; at its end, being secured between the compression member and the said block, with the attaching rivets passing through the compression and the tension members and the casting.

The above as well as such other objects as may hereinafter appear, I attain by means of a construction which I have illustrated in preferred form in the accompanying drawings, in which

Figure 1 is a plan view of a bolster embodying my improvements;

Figure 2 is a vertical sectional view on line 2 of Figure 1,

Figure 3 is a sectional view on the line 3 of Figure 2;

Figure 4 is an enlarged view of one end of the bolster; and

Referring now more particularly to Figures 1 to 4 inclusive, it will be seen that at each end of the compression member 6, which is preferably of channel shape, I provide a block or casting 7 secured by rivets 8 to the compression member at the sides thereof, and another piece or casting 9 formed to act practically as a continuation or extension of

the web portion of the compression member, and to provide a place of anchorage for the end of the tension member 10, which is secured between the piece 9 and the casting 7, as shown in Figures 2 and 3, and held in place by means of rivets 11 which, as they pass through both the tension member and the metal above and below the same, are thus placed in what is called "double shear," giving the structure considerable additional strength. As shown in the figure referred to, the part 9, which is really a compression member extension, and, generally considered, forms a part of the compression member 6, is constructed as a separate piece, to facilitate and reduce the cost of manufacture.

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

1. A car bolster having a compression beam and a tension member, a block shouldered against the compression beam, a base block secured to said beam, the tension member passing between said base block and the first-mentioned block secured by rivets passing through said blocks and tension member.

2. A car bolster comprising a compression beam having two blocks secured to its end and respectively abutting against the same and riveted thereto, and a tension member secured between said blocks so as to be under double shear in its fastenings, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

SAMUEL P. BUSH.

In presence of—

PAUL SYNNESTVEDT,
H. W. SMALLEY.