

J. R. ROBERTS.  
MINE CAR PEDESTAL.  
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905,000.

Patented Nov. 24, 1908.

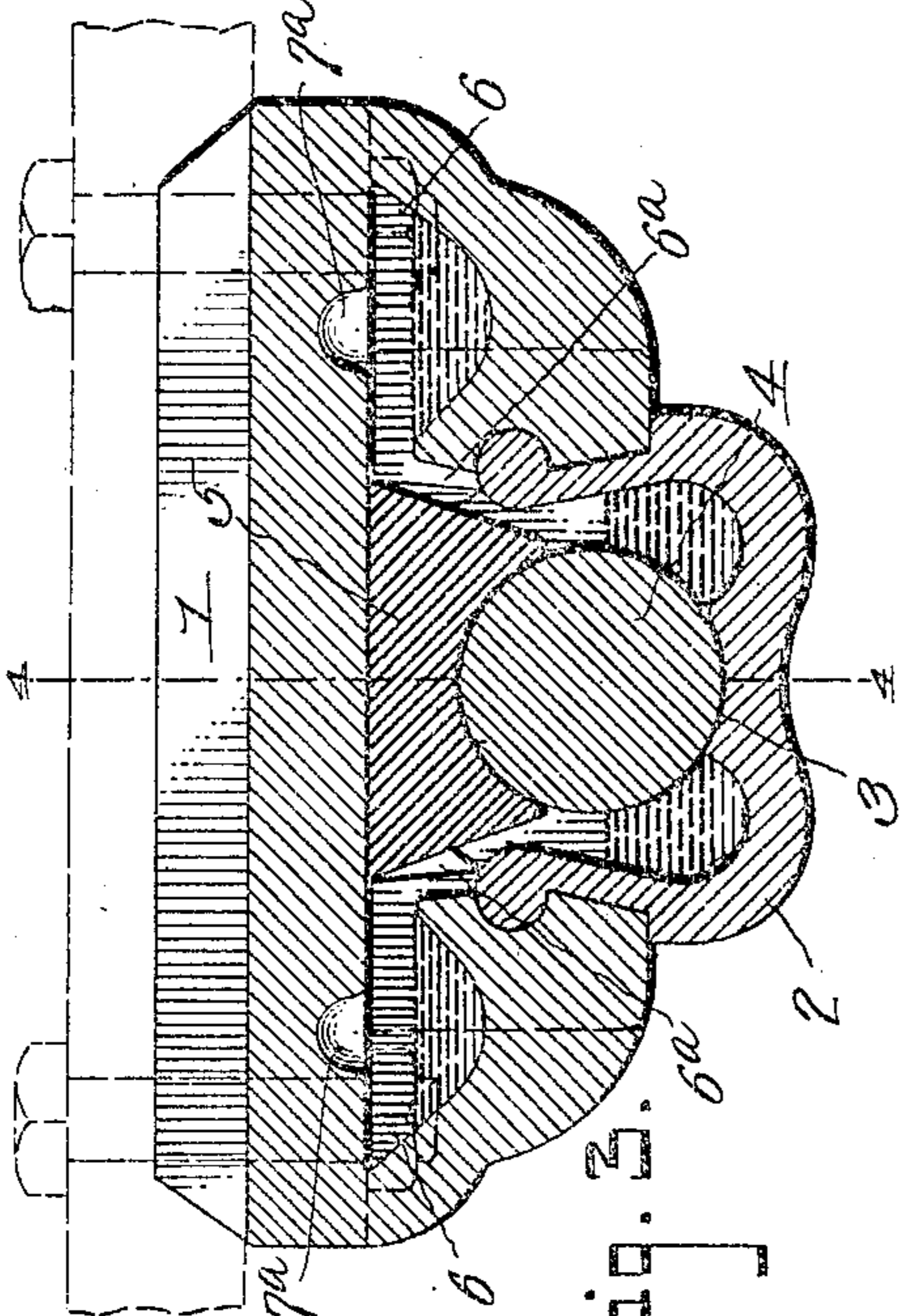


Fig. 1.

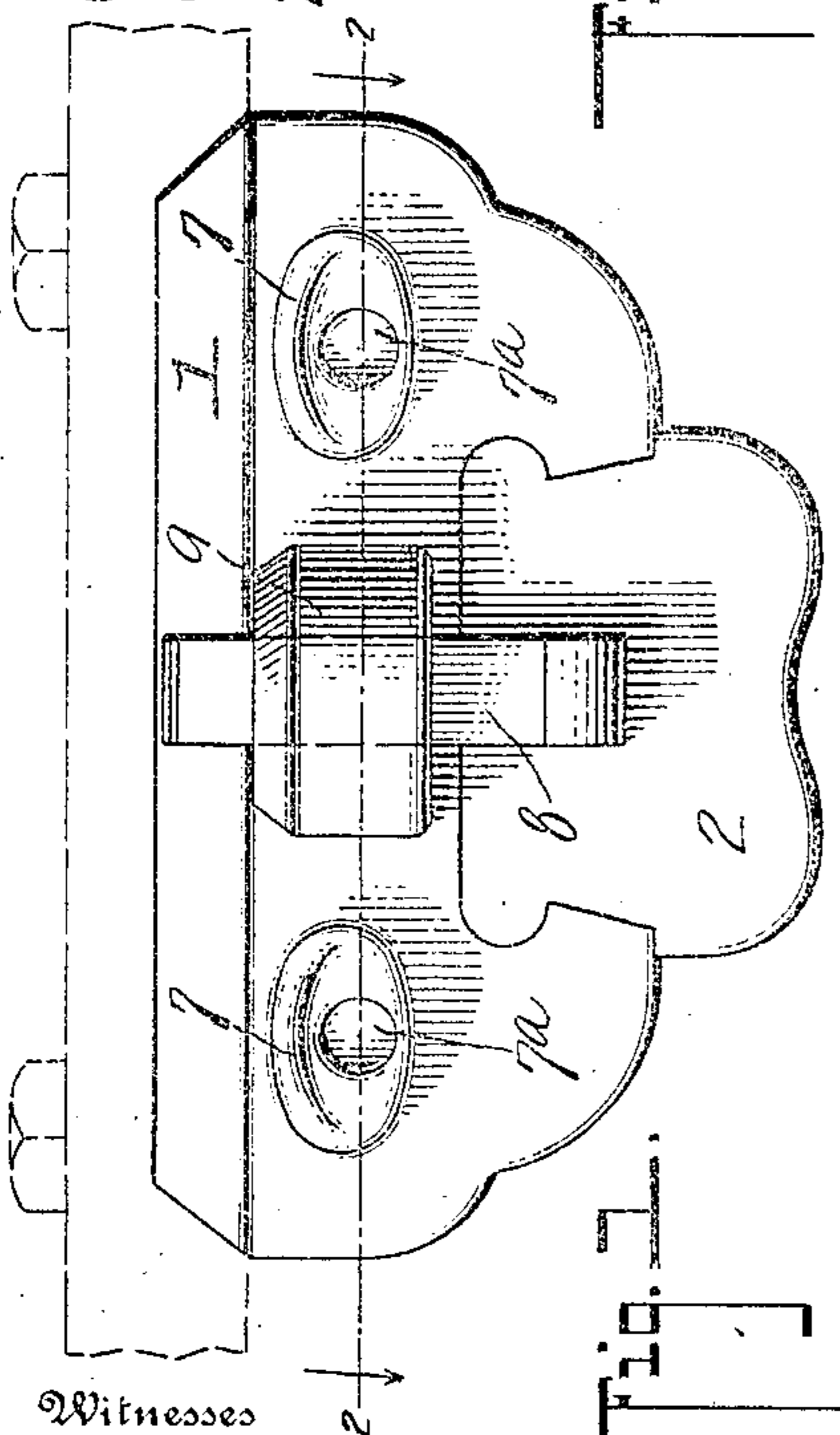
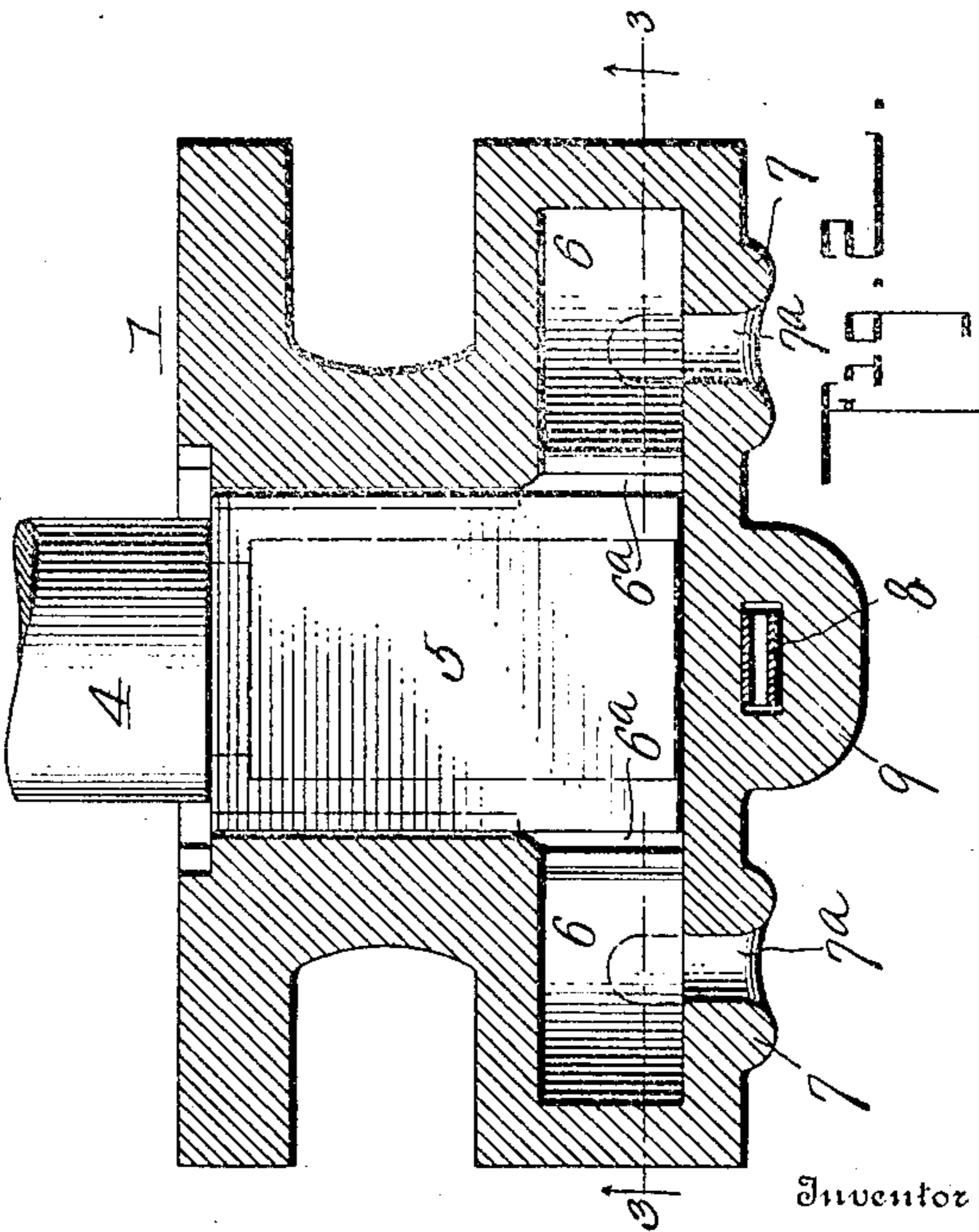
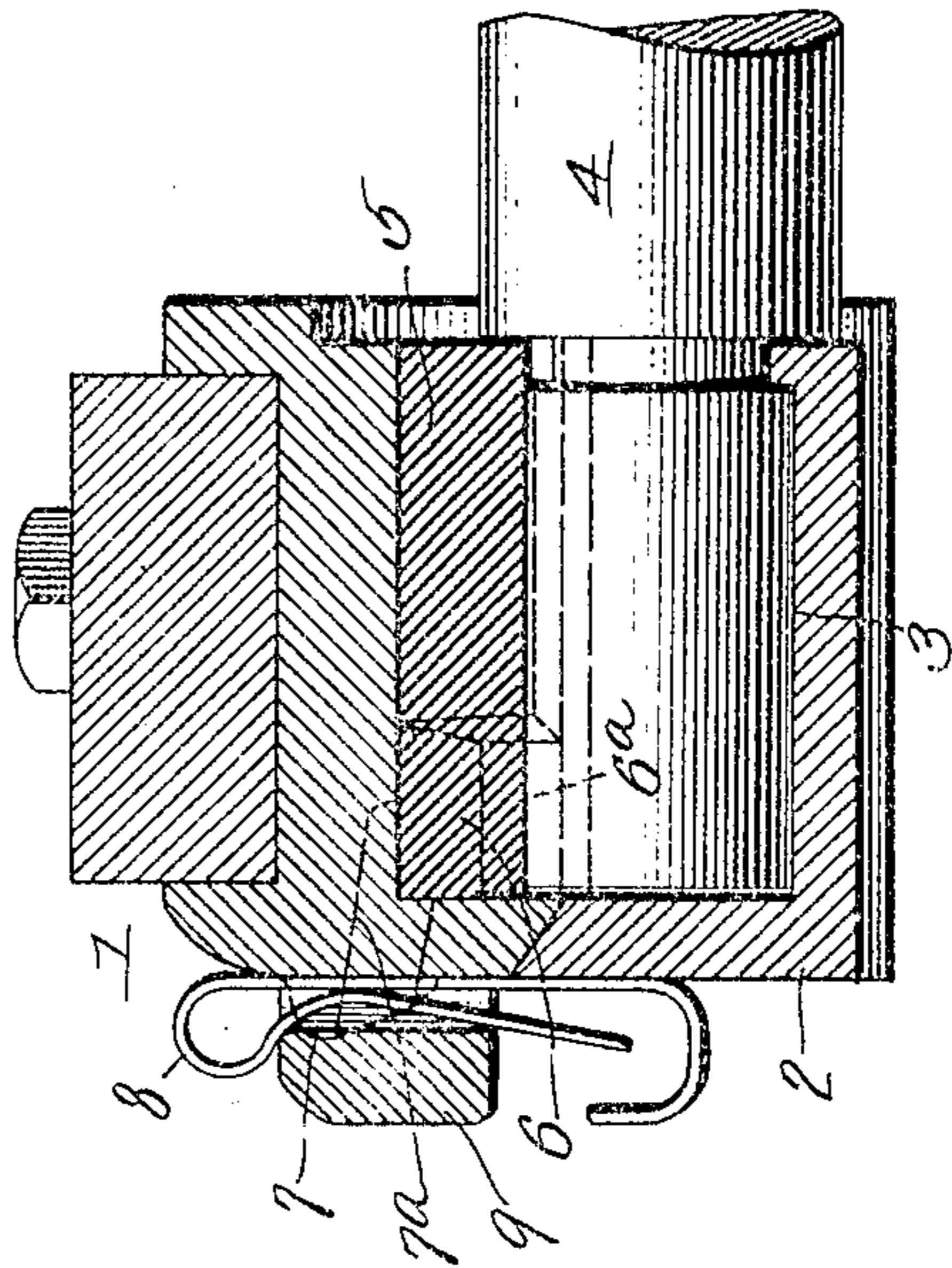
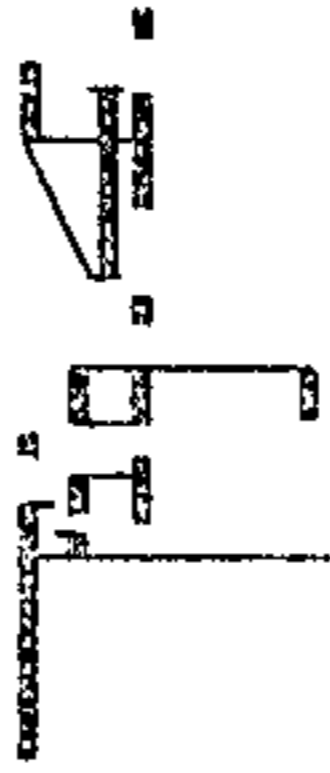


Fig. 2.

Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN R. ROBERTS, OF WILKES-BARRE, PENNSYLVANIA.

## MINE-CAR PEDESTAL.

No. 905,000.

Specification of Letters Patent.

Patented Nov. 24, 1908.

Application filed March 19, 1908. Serial No. 422,134.

*To all whom it may concern:*

Be it known that I, JOHN R. ROBERTS, a citizen of the United States, residing at Wilkes-Barre, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Improvement in Mine-Car Pedestals, of which the following is a specification.

This invention relates to a mine car pedestal, and the object of the invention is to improve the journal boxes used with mine cars, especially in the manner of introducing a lubricant to the bearings.

It has been customary to introduce oil through end openings and thence lead it to a point immediately above the shaft to be lubricated and to then conduct it to said shaft by means of an opening formed in a bushing or bearing block.

My invention consists of a mine car pedestal in which the oil passages open upon the outer side of the pedestal and lead to an oil cup provided with a bearing for the shaft or axle to be lubricated.

In the accompanying drawings Figure 1 is a side elevation of the pedestal. Fig. 2 is a section on the line 2—2 of Fig. 1. Fig. 3 is a section on the line 3—3 of Fig. 2. Fig. 4 is a section on the line 4—4 of Fig. 3.

In these drawings 1 represents a longitudinally grooved pedestal which supports the timbers of a mine car as shown by dotted lines in Figs. 1 and 3. This pedestal receives a slidable oil cup 2 which is provided with a central bearing 3 for an axle 4, and a bushing 5 fits over the said shaft, the shaft rotating in a journal box formed by the bearing 3 upon the under side and the bushing 5 upon the upper side. It will be understood that the pedestal is transversely cut out in its lower central portion to receive the slidable oil cup 2 with the bearing 3 and the axle 4 and bushing 5. Upon opposite sides of said central cut out portion reservoirs 6 are formed in the pedestal and upon the outer face of the pedestal are formed bosses 7 which bosses are provided with downwardly inclined passages 7<sup>a</sup> which lead to the reservoirs 6. These bosses 7 are curved

so that their upper portions overhang the entrance to the passages 7<sup>a</sup> thus protecting said passages from dirt and dust which otherwise might fall into them. The reservoirs 6 open through passages 6<sup>a</sup> into the oil cup 2, thus feeding oil into said cup upon opposite sides of the axle 4. The sides of the bushing 5, it will be noted, form sides of the said passages whereby the oil is conducted to the cup around instead of through said bushing. A suitable locking pin 8 preferably of spring metal is carried by a bracket 9 and locks the oil cup 2 and bearing 3 in place.

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

1. In a device of the kind described a pedestal, a slidable oil cup carried by said pedestal, said cup having a bearing for an axle, and bosses formed on a side of the pedestal and upon opposite sides of the oil cup, said pedestal having reservoirs formed therein and being provided with passages leading through said bosses to said reservoirs and from said reservoirs to opposite sides of the oil cup, respectively, the bosses overhanging the entrance to the passages leading through them.

2. A mine car pedestal provided with interior reservoirs, adjacent each end, overhanging bosses formed on the outer face of said pedestal, oil passages leading through said bosses to said reservoirs, the bosses overhanging the outer end portions of said passages, an oil cup slidably held in the lower portion of said pedestal, an axle bearing formed in said oil cup, and a bushing for said axle, said pedestal being provided with passages leading from the reservoirs to opposite sides, respectively, of the oil cups, said passages being also upon opposite sides of the bushing, as and for the purpose set forth.

3. In a device of the kind described a pedestal, an oil cup having a bearing therein for an axle, said cup being slidably held in said pedestal, and a non-perforated bushing cooperating with said bearing to

form a journal bearing for an axle, said pedestal having interior reservoirs formed in the pedestal and upon opposite sides of the said bushing, means for introducing oil to  
5 said reservoirs through the outer side of the pedestal, and passages leading from said reservoirs to the oil cup, the sides of the bush-

ing forming, respectively, one side of each of said last mentioned passages.

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Witnesses:

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