R. W. BURNETT.

ANGLE COCK HANGER FOR AIR BRAKE PIPES OF CARS.

APPLICATION FILED SEPT. 18, 1911.

1,125,811. Patented Jan. 19, 1915.

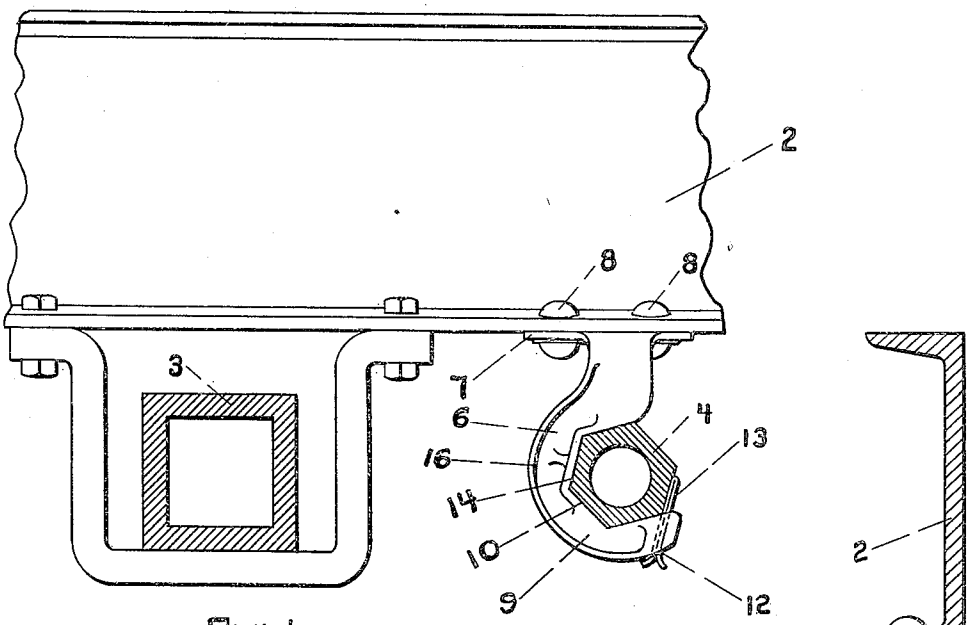


FIG. 1

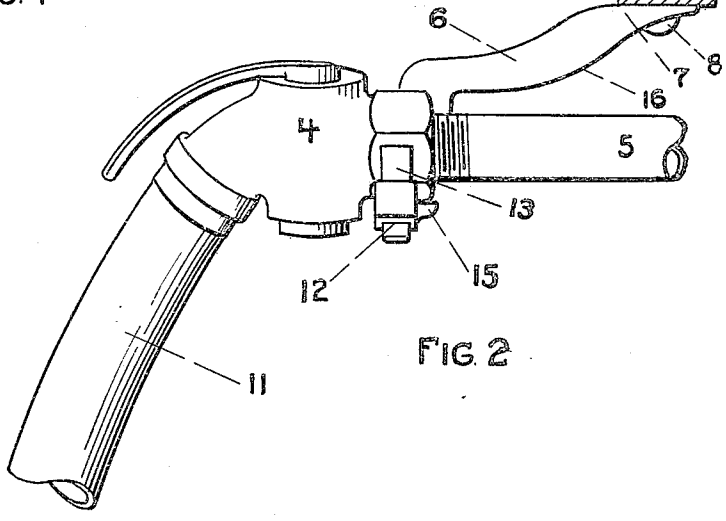


FIG. 2

WITNESSES

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RICHARD W. BURNETT, OF MONTREAL, QUEBEC, CANADA.

ANGLE-COCK HANGER FOR AIR-BRAKE PIPES OF CARS.

1,125,811. Specification of Letters Patent. Patented Jan. 19, 1915.

Application filed September 18, 1911. Serial No. 649,949.

To all whom it may concern:

Be it known that I, RICHARD W. BURNETT, a citizen of the United States, residing at Montreal, in the Province of Quebec and Dominion of Canada, have invented a certain new and useful Improvement in Angle-Cock Hangers for Air-Brake Pipes of Cars, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to improvements in angle cock hangers for air brake pipes of cars.

The object of my invention is to provide an improved construction of angle cock hanger which will securely and safely hold the angle cock, and permit the ready and easy change of the angle cock.

My invention consists in the means I employ to practically accomplish this object or result, the same consisting of a hanger having a horizontal member adapted to be riveted or bolted to the end sill of the car frame with a preferably inwardly inclined hook like member with a substantially hexagonal opening to engage the hexagonal portion of the angle cock and hold it at the proper inclination toward the center of the car, and also permit of a limited free longitudinal movement of the angle cock through or respect to the hanger, the inwardly inclined portion having near its end a perforation or opening fitted with means, preferably a key which holds the angle cock withing the hexagonal opening of the hook like portion of the hanger, and keeps the angle cock in its angular position. The train pipe to which the angle cock is attached is itself securely anchored to the car, preferably to its middle, and thus prevented from longitudinal movement.

In the accompanying drawings forming a part of this specification Figure 1 is a part end elevation of a car showing the angle cock hanger in position, the car coupler and angle cock being shown in section. Fig. 2 is a part side elevation of an angle cock and hanger, the end sill of the car being shown in section.

In the drawing 2 represents the end sill of a railway car, 3 the car coupler, 4 the angle cock of the air brake pipe, 5 the air brake pipe, 6 my angle cock hanger or holder which is preferably of malleable iron, and comprises an attaching member 7, preferably horizontally extending and secured by means, preferably rivets 8, to the lower flange of the end sill 2 of the car, and an integral inwardly inclined holder hook like member 9 furnished with a substantially hexagonal opening 10 within the inner curve of the hook like member 9, the said opening preferably being sufficiently large to allow movement of the train pipe. The holder member 9 is preferably inclined at an angle of about fifteen degrees toward the center of the car to bring the hose 11 naturally toward the corresponding hose on the opposite side of the next car without kinking. The holder member 9 is provided at its outer end with a substantially vertical opening 12 for the reception of means, preferably the key 13, which bears against one side of the angle cock and holds it against the opposite side 14 of the hexagonal opening of the angle cock holder 6 preventing the angle cock from side movement. The holder member 9 is preferably provided with a horizontal projecting integral member 15 providing an extended lower bearing for the train pipe, and to prevent injury to the pipe should the end movement of the same carry the angle cock 4 beyond the holder and allow the weight of the same to come upon the pipe. The hanger 6 is preferably furnished with stiffening ribs 16 to give greater strength to the hanger. The hexagonal portion of the angle cock 4 fits in the substantially hexagonal opening of the hanger 6, and this fitting with the bearing furnished by the key 13 prevents all possibility of the angle cock turning from its proper 15 degree inward inclination, and this adds greatly to the durability of the hose and the tightness and security of the connections and the efficiency of the brake mechanism. At the same time the hexagonal portion of the angle cock fits loosely in the substantially hexagonal opening and thus provides for any necessary end movement of the angle cock in respect to the hanger.

It will be apparent from the foregoing description of my device that the angle

cock may easily be removed from the angle cock holder and inserted within the same by the removal of the key 13.

I claim:

An angle cock holder comprising an attaching portion 7, a holder portion 9 having an opening therein fitting a noncircular portion of the angle cock and provided with the means 13 to prevent sidewise movement of the angle cock while permitting it to have a longitudinal end movement, said holding member of the hanger having an integral horizontally extended member 15 substantially as specified.

RICHARD W. BURNETT.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."