

L. A. HOERR.
 ANGLE COCK HOLDER FOR RAILWAY CARS.
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939,421.

Patented Nov. 9, 1909.

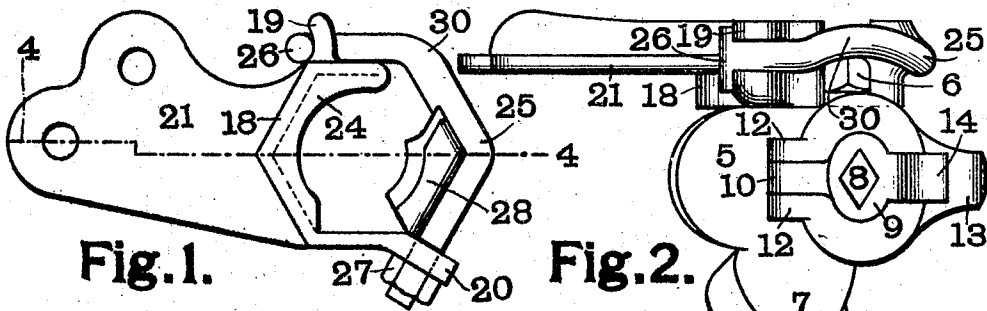


Fig. 1.

Fig. 2.

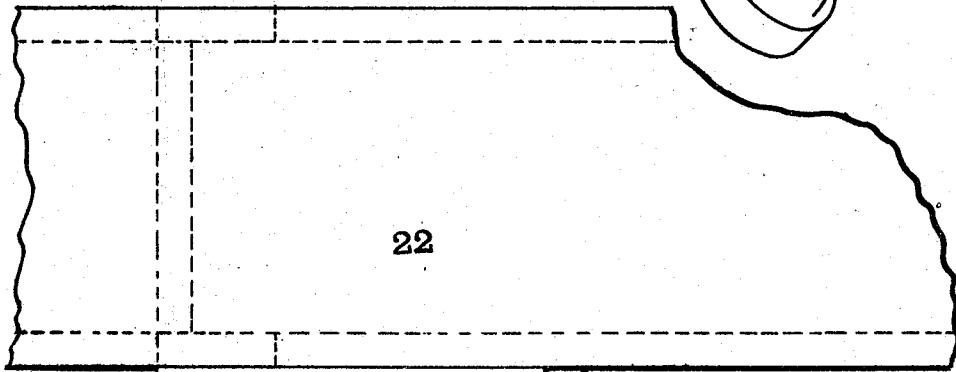


Fig. 3.

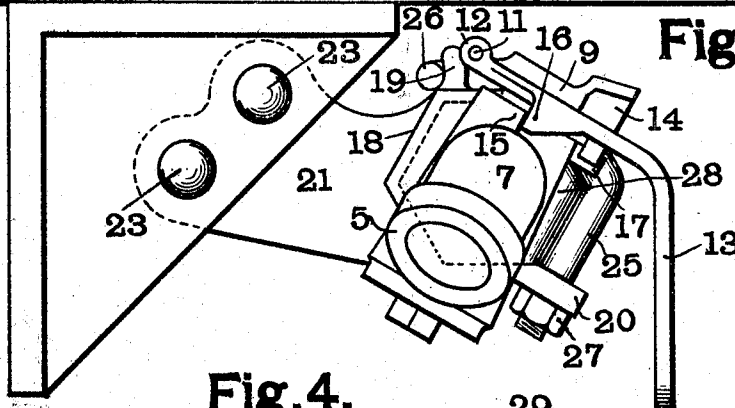
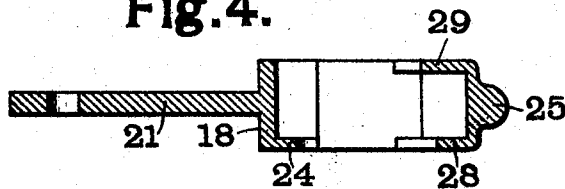


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

LOUIS A. HOERR, OF ST. LOUIS, MISSOURI.

ANGLE-CKOCK HOLDER FOR RAILWAY-CARS.

939,421.

Specification of Letters Patent.

Patented Nov. 9, 1909.

Application filed August 16, 1909. Serial No. 513,036.

To all whom it may concern:

Be it known that I, LOUIS A. HOERR, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented a certain new and useful Angle-Cock Holder for Railway-Cars, of which the following is such a full, clear, and exact description as will enable any one 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.

My invention relates to an angle cock holder for railway trains, and particularly to a holder adapted to surround the head of the angle cock and prevent its rotation or forcible removal from the train pipe.

The object of my invention is to provide a holder of the class above referred to which will be simple in construction and effective in operation and which can be readily applied to the angle cock and may be used in connection with an angle cock having an automatically locking handle.

In the accompanying drawings, which illustrate one form of angle cock holder made in accordance with my invention, Figure 1 is a longitudinal view. Fig. 2 is a top view, showing the angle cock in position. Fig. 3 is a front view of a portion of a car to which my invention is applied. Fig. 4 is a section on the line 4—4 Fig. 1.

Like marks of reference refer to similar parts in the several views of the drawings.

5 represents the body of the angle cock. This body 5 is provided with the usual hexagonal head 6 and nozzle 7. The stem 8 of the angle cock carries on its upper end a casting 9, having a rearwardly extending lug 10, to which are pivoted by a pin 11 lugs 12 carried at the rearward end of the handle 13. The forward end of casting 9 is provided with a vertical post 14 which acts as a guide for the handle 13, and the latter end of which also serves as a stop to limit the movement of the stem 8 by coming in contact with projections 17 and 15 on the upper end of the body of the angle cock. These projections 17 and 15 are also adapted to make contact with locking lugs 16 carried in the handle 13, so that the handle cannot be turned until it is lifted upwardly and the angle cock is thus automatically locked.

The holder which is adapted to engage with the hexagonal head 6 of the cock con-

sists of two parts. One part 18 surrounds 4 sides of the hexagonal head and is provided with bifurcated lugs 19 and 20, the former being preferably slightly hook shaped, as shown in Fig. 1. The part 18 is also provided with an extension 21, by means of which it may be secured to the car 22 by bolts or rivets 23. The part 18 is also provided with a flange 24 for preventing the forward movement of the hexagonal head 6. The remaining part 25 of the holder has a T shaped end 26, which engages with the bifurcated lug 19, and at the opposite end the member is threaded to receive a nut 27, which engages with the lug 20. The part 25 is provided with a flange 28 to prevent the forward movement of the hexagonal head 6, and it may also be provided with a flange 29 to prevent the rearward movement of the head. This latter flange, however, is of little importance as the angle cock is seldom subjected to pressure, a pulling strain being practically the only one ever transmitted to it. The portion 30 of the part 25, which is adjacent to the T shaped end 26, is reduced in width and is curved rearwardly, as is clearly shown in Fig. 2 of the drawings, so as to allow a way for the passage of the lugs 10 and 12.

It will be evident that the holder can be readily detached from the angle cock by loosening the nut 27, so that the lower end of the part 25 will swing out of engagement with the lug 20. The entire part 25 may thus be removed from the holder so that the angle cock may be removed from the part 18.

While my holder is simple in construction, it is very durable and not likely to get out of order. Furthermore, it may be used in connection with an angle cock having a self-locking handle.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. The combination with an automatically locking angle cock, of a holder surrounding the head and provided with a way for the passage of the rear end of the handle of the cock.

2. The combination with an automatically locking angle cock, of a holder composed of two parts, adapted to be secured together around the head, one of said parts having a reduced portion, forming a way for the passage of the rear end of the operating handle of the cock.

3. The combination with an angle cock, of a holder for said cock, comprising two parts, adapted to surround the head, one of said parts being provided with a pair of bifurcated lugs, and the other part having one end T shaped to engage one of said lugs, and the other end threaded and provided with a nut to engage the other of said lugs.

4. The combination with an automatically locking angle cock, of a holder for said cock, comprising two parts, to surround the head, one of said parts being provided with a pair of bifurcated lugs, and the other part having one end T shaped to engage one of said lugs, and the other end threaded and provided with a nut to engage the other of said lugs, said latter part having a reduced portion, forming a way for the passage of the handle of the cock.

5. The combination with an automatically locking angle cock, of a holder for said cock, comprising two parts adapted to surround the head, one of said parts being provided with a pair of bifurcated lugs, and the other part having one end T shaped to engage one of said lugs, and the other end threaded and provided with a nut to engage the other of said lugs, said latter part having a reduced portion adjacent to the T shaped end, forming a way for the passage of the handle of the cock.

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

LOUIS A. HOERR. [L. s.]

Witnesses:

W. A. ALEXANDER,
ELIZABETH BAILEY.