

A. J. BAZELEY.
CHAIN HOLE CAP FOR CAR COUPLINGS.
APPLICATION FILED OCT. 8, 1909.

975,926.

Patented Nov. 15, 1910.

Fig. 1.

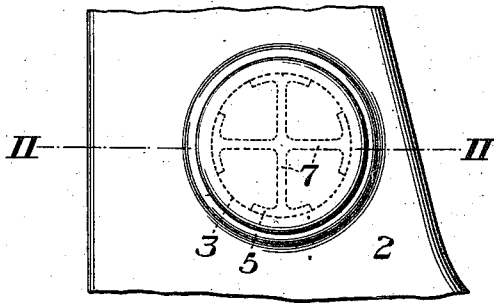


Fig. 2.

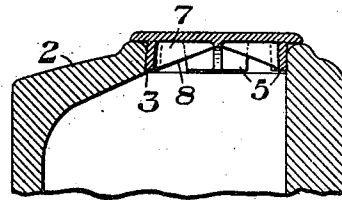


Fig. 3.

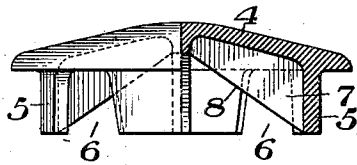
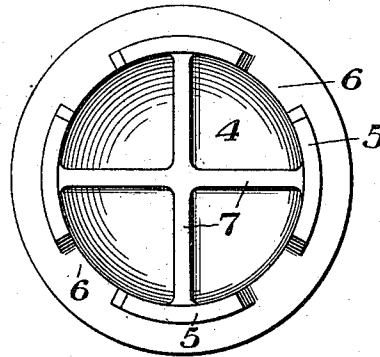


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

ARTHUR J. BAZELEY, OF CLEVELAND, OHIO, ASSIGNOR TO THE NATIONAL MALLEABLE CASTINGS COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

CHAIN-HOLE CAP FOR CAR-COUPPLINGS.

975,926.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed October 8, 1909. Serial No. 521,753.

To all whom it may concern:

Be it known that I, ARTHUR J. BAZELEY, of Cleveland, Cuyahoga county, Ohio, have invented a new and useful Chain-Hole Cap for Car-Couplers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan view of a portion of a coupler head showing my improved cap in place; Fig. 2 is a section on the line II—II of Fig. 1; Fig. 3 is a view partly in side elevation and partly in vertical section of the cap removed; and Fig. 4 is a bottom plan view of the cap.

Car coupler heads of the top-opening type, are usually provided with an opening in the top for the lifting chain, or lifting member, which is actuated to move the locking member of the coupling into uncoupling position. Such couplers are frequently changed so as to employ bottom-opening means, using the same coupler head; and in such cases it is desirable to provide means for closing the top hole through which the old lifting chain or member passed.

My invention is designed to provide a closing cap for such holes, which is simple in its construction; which can be readily manufactured; which can be readily applied; and which will be held securely in place until driven out by a blow with a suitable tool from below.

A further object is, to provide a cap of this character which can be inserted into the hole from the top, and thus obviate the necessity for the removal of the operating parts of the coupler in order to put it in place.

Referring to the accompanying drawings, in which I have shown the preferred form of my invention, the numeral 2 designates a portion of a car coupler head, provided with the top opening 3, which is to be closed by the cap forming my invention. This cap is of malleable metal, cast as an integral piece, with an arched top 4, and with a plurality of depending flange projections 5 separated from each other by openings 6.

7 designate ribs which extend from the back of each of the projections 5 to the central portion of the cap, the lower edges of said ribs being inclined upwardly and inwardly as indicated at 8.

The diameter of the cap through the projections 5 is a trifle less than the diameter of the hole 3 in the top of the coupler head, and the walls of said hole diverge slightly downwardly from the top.

After the cap is inserted within the hole, its top 4 is flattened by being hammered down. This flattening process causes the ribs 7 to press outwardly against the projections 5, and especially against the lower portions of the same, thereby forcing them tightly against the downwardly diverging walls of the hole 3. The cap in this manner is securely retained in place until driven out by a blow with a tool from below. The upper face of the cap when thus seated and secured in position is flat, without any depression to catch and retain moisture or dirt, and also making a neater and better appearance.

The cap can be manufactured at a low cost, and can be quickly inserted and secured in place, and as quickly removed when necessary.

While my invention has been especially designed for use in closing the holes of car couplers, it is obviously adapted for use for closing holes in other structures.

What I claim is:—

A hole-closing cap comprising an arched top, a plurality of projections extending downwardly therefrom, and ribs connecting the projections with the central portion of the arched top, said top being adapted to be flattened to thereby expand said projections; substantially as described.

In testimony whereof, I have hereunto set my hand.

ARTHUR J. BAZELEY.

Witnesses:

CHESTER K. BROOKS,
HARRY E. ORR.