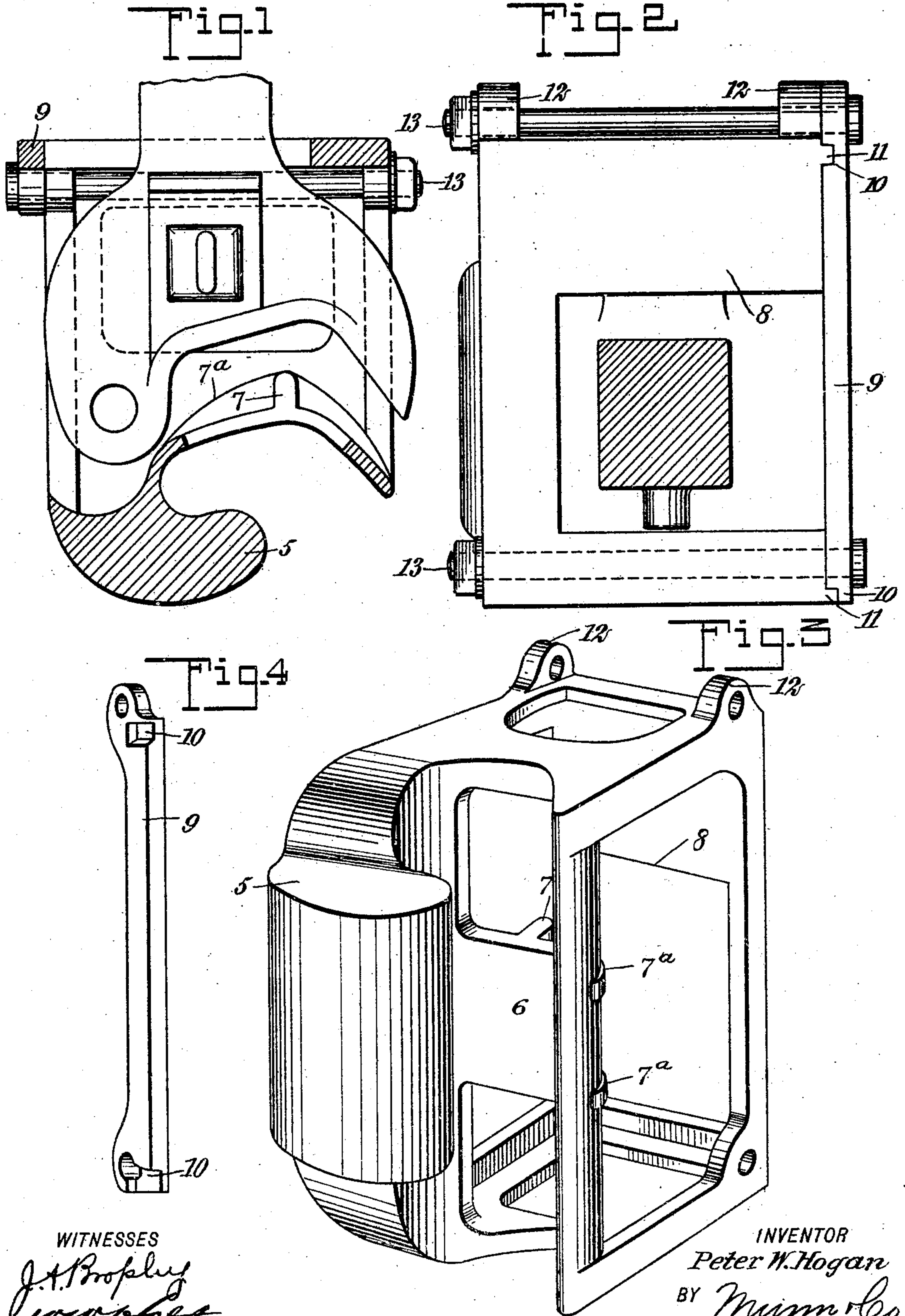


P. W. HOGAN.
 AUXILIARY COUPLING HEAD.
 APPLICATION FILED JAN. 17, 1908.

928,654.

Patented July 20, 1909.



WITNESSES
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PETER WINCLER HOGAN, OF DURAND, MICHIGAN.

AUXILIARY COUPLING-HEAD.

No. 928,654.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed January 17, 1908. Serial No. 411,281.

To all whom it may concern:

Be it known that I, PETER W. HOGAN, a citizen of the United States, and a resident of Durand, in the county of Shiawassee and State of Michigan, have invented a new and Improved Auxiliary Coupler-Head, of which the following is a full, clear, and exact description.

This invention is an improvement in auxiliary or emergency coupler heads of the character shown and described in Letters Patent Number 814,449, granted to me March 6, 1906, the said coupler head having for its purpose to serve as a substitute for a broken coupler head of the "Master Car-Builders'" type and is constructed to engage the draw-bar of the broken coupler at the rear of the head and project a slight distance in advance thereof.

The coupler head of the present invention is constructed to loosely fit over the head of the broken coupler, and is of such design as to insure both strength and lightness; the points of the head which are subjected to the greatest strains and shocks being suitably reinforced.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan of a coupler with the knuckle thereof removed and my improved head applied thereto, the latter being shown in horizontal section; Fig. 2 is a rear end view of my improved coupler head showing the draw-bar of the coupler, which is located in the head, and in section; Fig. 3 is a perspective view of the head with the displaceable member at the side thereof removed; and Fig. 4 is a perspective view of the displaceable member.

The coupler head as preferably constructed comprises a box-like or skeleton hood adapted to loosely fit over a coupler head and having a knuckle 5, formed integrally at the front thereof. The head is cut out at the sides, as also the bottom and top, to avoid making the head unduly heavy and permit of the passage therethrough of certain portions of the coupler head when the hood is applied. The cut-out portions in the sides and at the rear of the hood are of such extent as to make the adjoining edges of the hood substantially L-shaped in cross-section, providing the bottom and top with in-

wardly-projecting marginal flanges, and the cut-out portions in the front face or plate of the hood are arranged at each side of the horizontal center, leaving a connecting web 60 6; which is provided with an internally-projecting vertically-arranged strengthening flange or rib 7, connected by laterally extending ribs 7^a, and operating in connection therewith to withstand the blow of the knuckle of an opposing coupler when coupling. The cut-out portion in the rear face or plate of the hood is such as to leave a deep depending flange 8 at the upper rear portion, and is extended entirely through one side in order that the coupler head may be laterally passed within the hood. The removed edge of the hood produced by this construction is replaced, when the coupler head is applied, by a displaceable member 9, 75 which has suitable recesses 10 near each end for receiving counterpart projections 11 formed at corresponding points on the body of the hood.

Adjacent to the depressions 10 in the member 9, bolt openings are formed therein 80 which are adapted to register with openings respectively formed in lugs 12 and in the side walls or flanges of the lower portion of the hood. Through these openings are passed 85 bolts or other equivalent devices 13, and since the lugs 12 are externally arranged at the top of the hood, the upper bolt 13 is at the outside of the hood and the lower bolt passes through the inside thereof. 90

When the auxiliary or emergency coupler head is applied, the depending flange 8 is adapted to bear against the shoulder at the top of the coupler head, which is inclosed, and the member 9 and the corresponding integral part at the opposite side of the hood 95 bear against the rear face of said head, and in view of the loose mounting of the auxiliary head it is permitted to assume any ordinary angular position, to compensate for any difference in height from that of the opposing coupler or in passing around curves, etc. It will be noted that the ribs 7^a taper off at both sides of the rib 7 and substantially conform to the contour of the coupler head inclosed within the hood, by which construction these ribs together with the vertical rib 7, make it impossible to break this part of the auxiliary by ordinary usage. 100

While I have shown the preferred form and construction of my improved coupler head and described the same in detail, I 110

nevertheless regard the precise embodiment as immaterial and consider that I am entitled to such modifications as fall within the scope of the appended claims.

5 Having thus described my invention, I claim as new and desire to secure by Letters Patent:

10 1. An auxiliary coupler head comprising a hood adapted to receive the head of the coupler, the lower side portions of said hood being substantially L-shaped in cross-section, a displaceable member at one side of the hood, adapted when removed to permit the passage of the coupler head into the hood, and a
15 device passing through the L-shaped side portions of the hood on the inside thereof, securing one end of said member in place.

20 2. An auxiliary coupler head having a hood adapted to receive the head of the coupler, a displaceable member adapted when removed to permit the passage of a coupler head into the hood, and means passing externally through the top of the hood; and in-

ternally through the bottom of the hood, connecting the opposite ends of said member thereto. 25

3. An auxiliary coupler head comprising a hood for receiving the head of the coupler; having a web at the front thereof provided with an internally-projecting rib substantially vertically arranged and having ribs laterally projecting therefrom at each side thereof. 30

4. An auxiliary coupler head having a skeleton hood adapted to loosely fit over the head of the coupler, with the bottom and top of the hood having inwardly-projecting marginal flanges at the rear and at opposite sides. 35

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 40

PETER WINCLER HOGAN.

Witnesses:

SIDNEY S. FRASER,
SETH B. TERRY.