

(No Model.)

M. CLAUSSEN.
CAR COUPLING.

No. 460,198.

Patented Sept. 29, 1891.

FIG. 1-

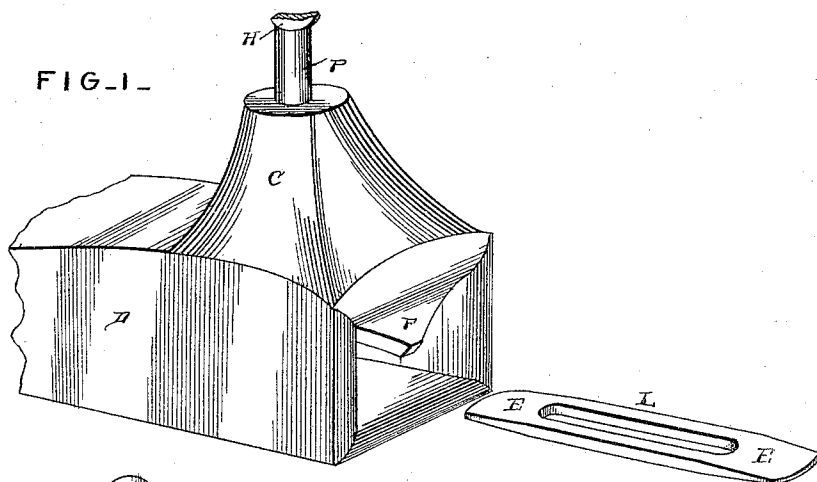


FIG. 2-

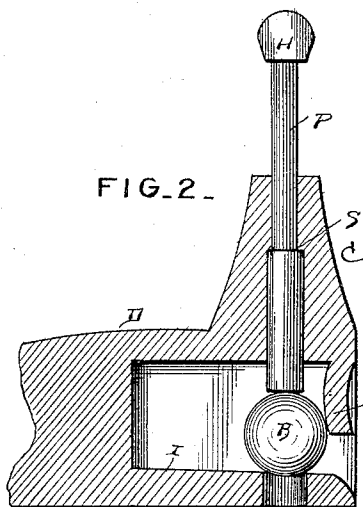


FIG. 3-

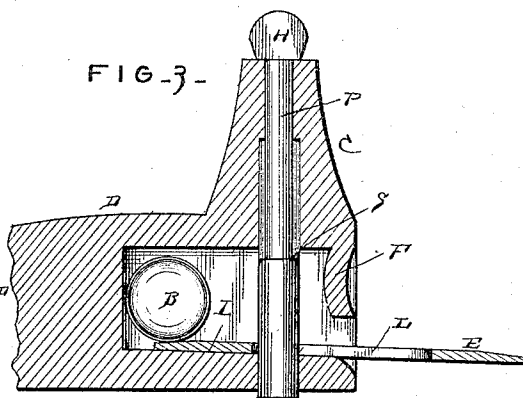
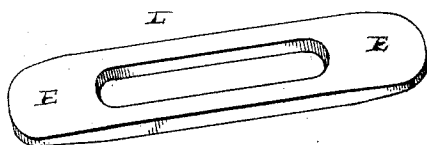


FIG. 4-



Witnesses.

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MOSSES CLAUSSEN, OF GOLDENDALE, WASHINGTON.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 460,198, dated September 29, 1891.

Application filed March 20, 1891. Serial No. 385,771. (No model.)

To all whom it may concern:

Be it known that I, MOSSES CLAUSSEN, a citizen of the United States, residing at Goldendale, in the county of Klickitat and State of Washington, have invented a new and useful Car-Coupling, of which the following is a specification.

This invention relates to car-couplings, and more especially to that class thereof known as "gravity-pin supports." The object of the same is to produce certain improvements in devices of this character, to which end the invention consists in the specific details of construction hereinafter more fully described and claimed, and as illustrated on the sheet of drawings, wherein—

Figure 1 is a general perspective view of this device, showing the parts in position to receive an approaching link. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a similar section showing the link coupled therein. Fig. 4 is a perspective detail of the link.

Referring to the said drawings, the letter D designates a draw-head, whose upper side has a conical projection C, which is vertically bored for the reception of the pin P. The latter has an enlarged lower end, making a shoulder S, and its reduced upper end moves through the bore in the cone, and has a head H at its upper end, which prevents its dropping through the bottom of the draw-head onto the ground. The bottom of the opening within the draw-head inclines forwardly, as shown at I, and upon this incline rests a ball B, which in shape is preferably a perfect sphere, the ball rolling down the incline to a point beneath the pin, so as to support the same, as seen in Fig. 2, and being prevented from falling out of the mouth of the draw-head by a depending and laterally-reduced finger F, as best seen in Fig. 1. The link L, which I preferably use in connection with this draw-head, is of the construction best seen in Fig. 4—that is to say, its body is shaped as usual, but its ends E are long and thin and considerably flattened; as best seen in this figure.

In the operation of this device the flattened end E of one of the links is driven against or under the ball B, whereby the latter is moved to the rear from beneath the lower end of the pin P, which then falls onto said end, and the link continuing to move inwardly the end passes from under the pin and allows the latter to drop. The advantage of the flat and sharp-edged end of the link is that when so forced into a draw-head this end rides under the ball B, as seen in Fig. 3, and will not accidentally bind the ball against the top of the draw-head opening. The weight of the ball resting on the inner end of the link holds the latter horizontal, so that it forms a link-support, as will be clearly understood, and when the link rises very high, as in coupling to a high draw-head, the finger by being reduced at its tip enters the slot in the link and does not prevent the rise of the latter.

Although I have not shown it, any suitable device may be used for raising the pin from the top and sides of the car; but this forms no part of the present invention.

What is claimed as new is—

The herein-described car-coupling, the same comprising a draw-head having a projection on its upper side with a central vertical bore, a pin moving through said draw-head and bore with an enlarged head at its upper extremity, the bottom of the opening in the draw-head inclining forward toward its mouth, a depending finger at the top of said mouth whose edges converge approximately to a point standing in front of the mouth, and a ball within said draw-head normally resting against said finger, as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

MOSSES CLAUSSEN.

Witnesses:

JAMES A. R. TOBIN,
HENRY CLAUSSEN.