

(No Model.)

B. H. PAUGH.
CAR COUPLING.

No. 482,926.

Patented Sept. 20, 1892.

Fig. 1.

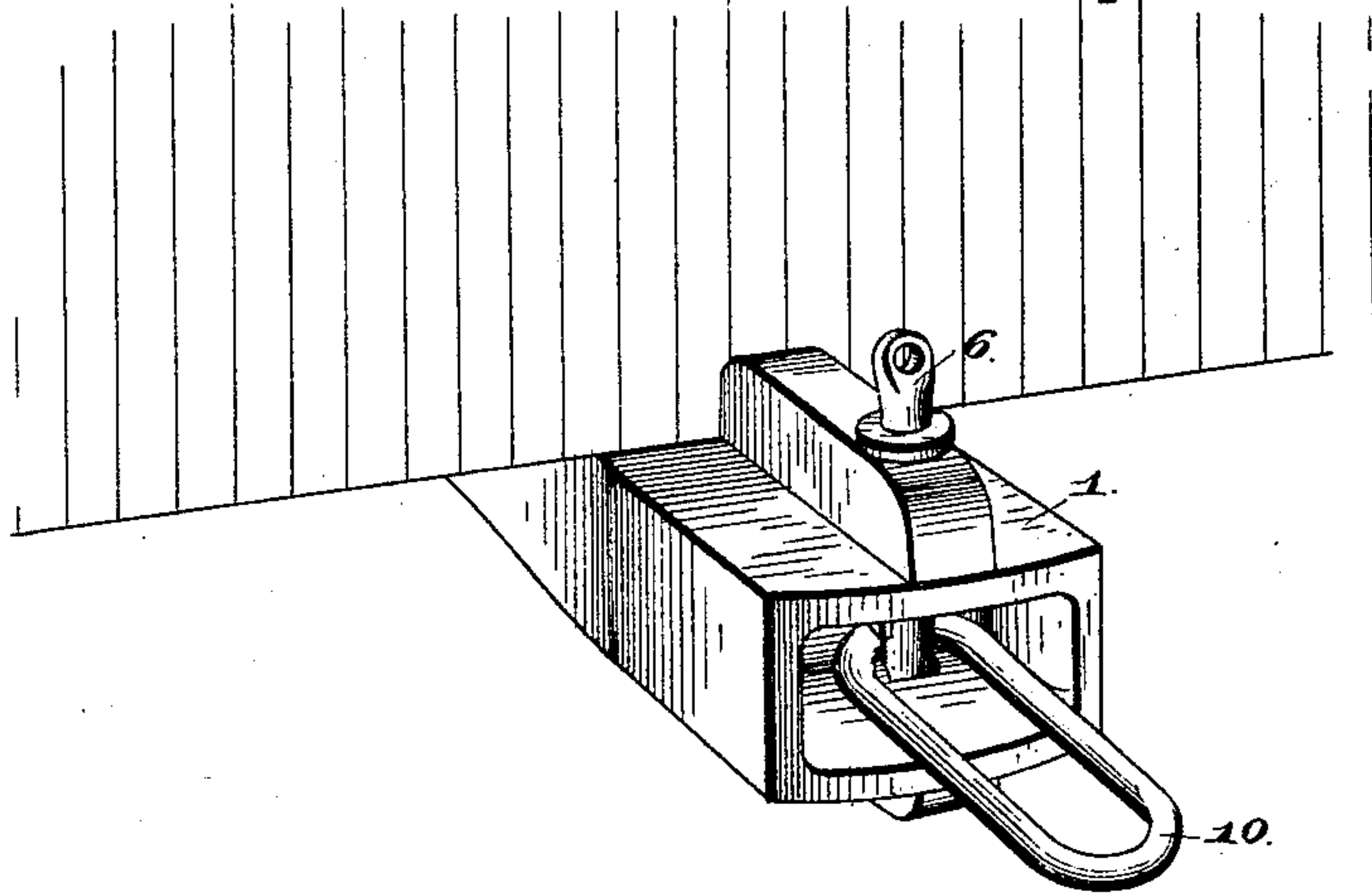


Fig. 2.

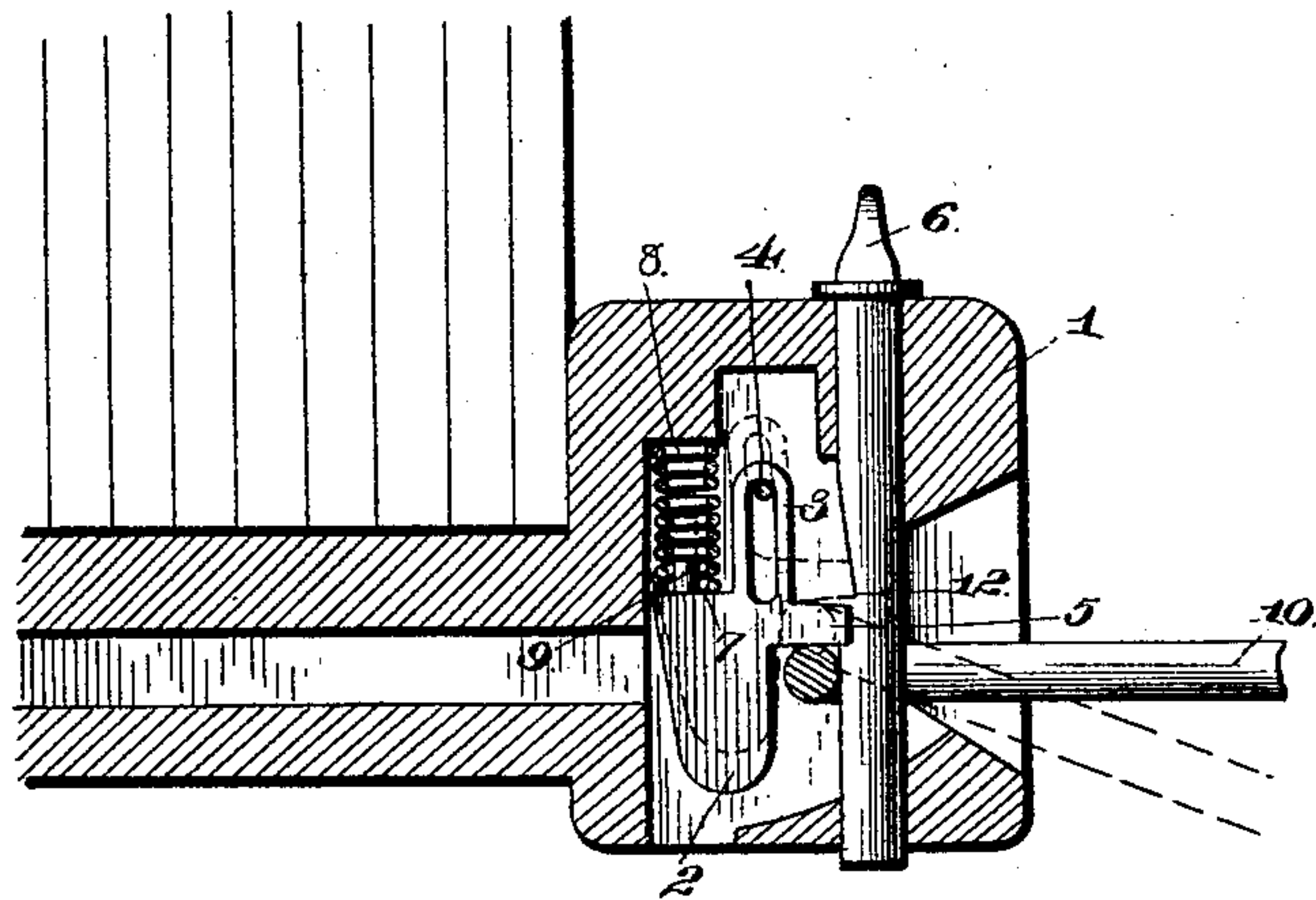


Fig. 4.

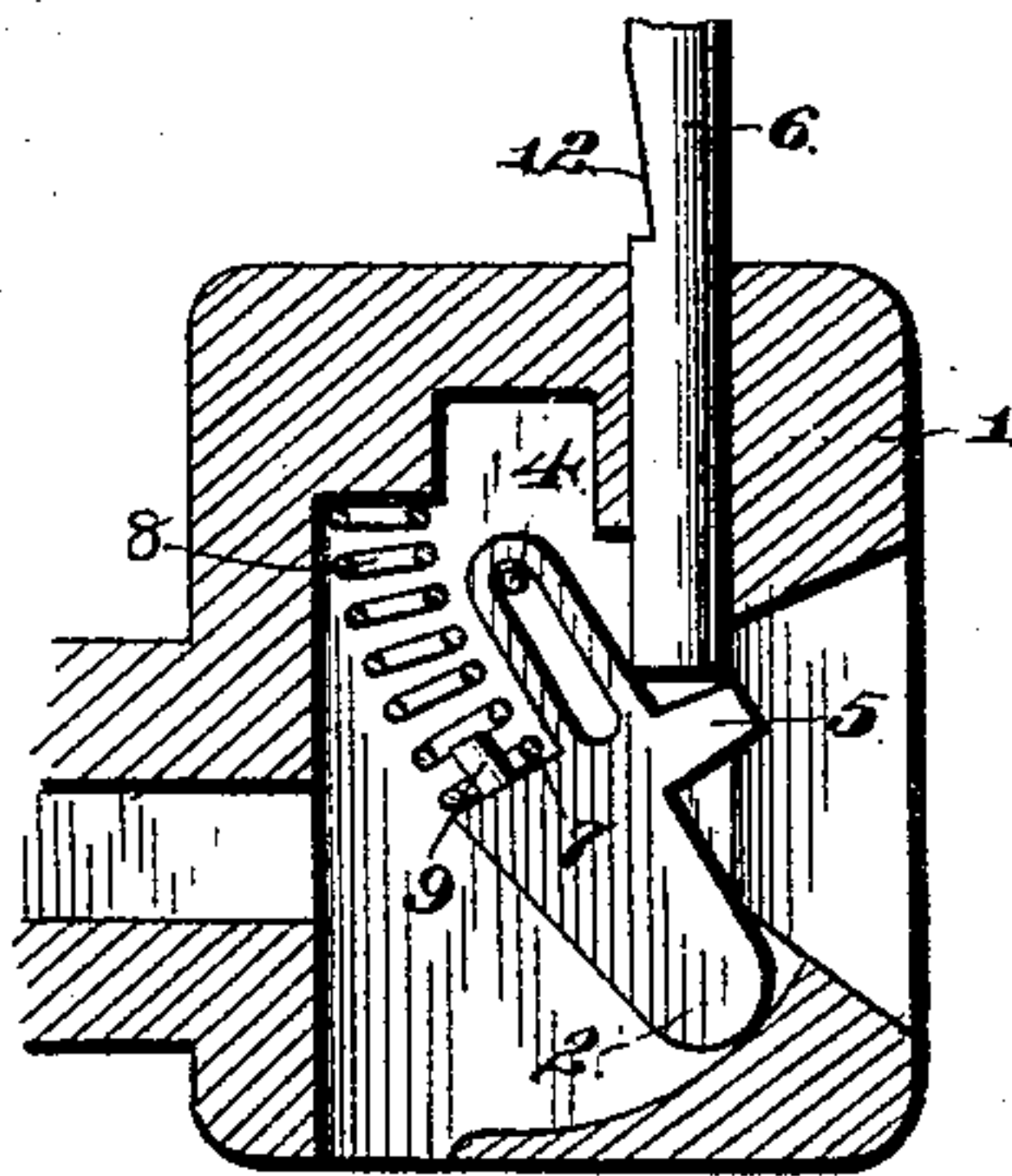
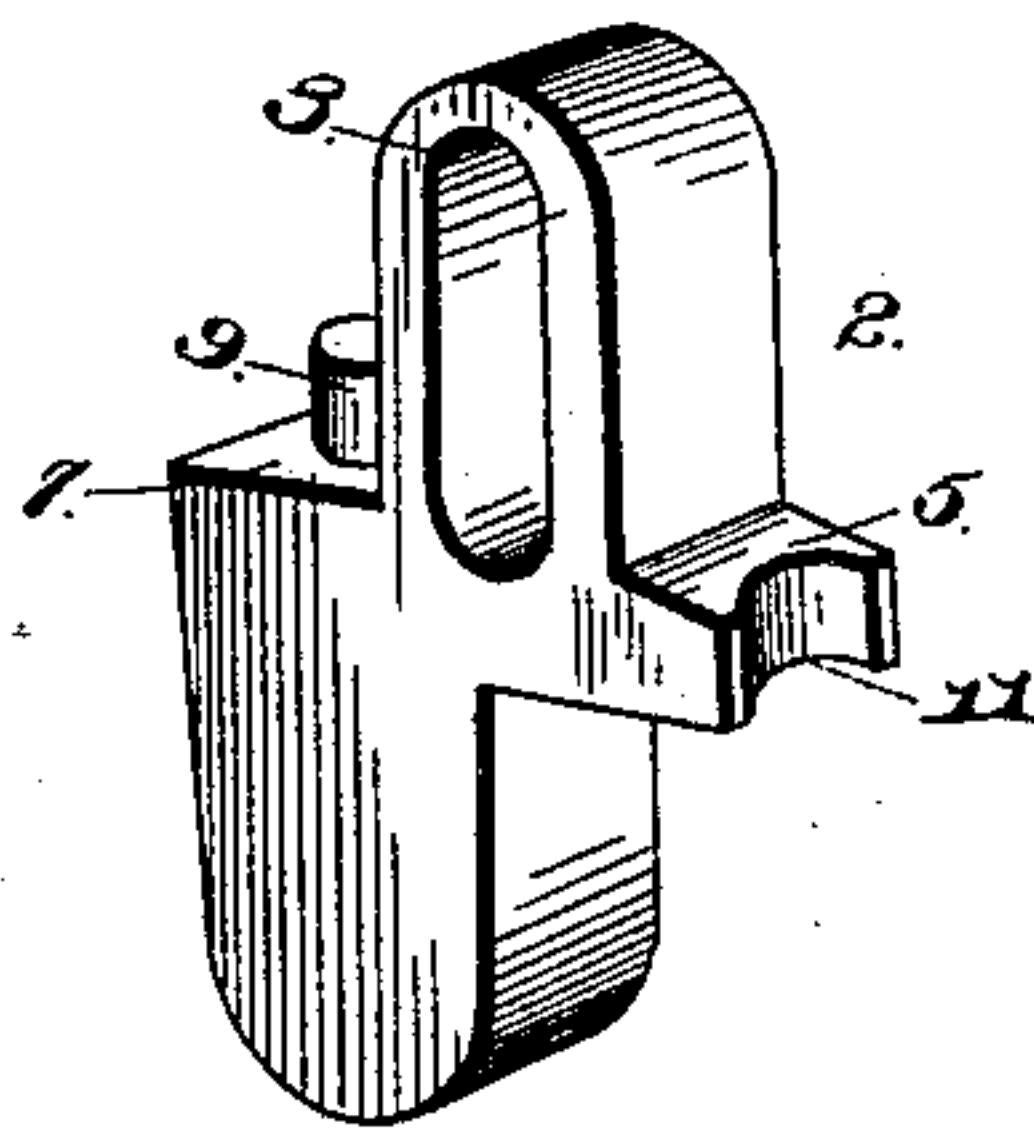


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN H. PAUGH, OF PHILIPPI, WEST VIRGINIA.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 482,926, dated September 20, 1892.

Application filed April 27, 1892. Serial No. 430,827. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN H. PAUGH, a citizen of the United States, residing at Philippi, in the county of Barbour and State of West Virginia, have invented a new and useful Car-Coupling, of which the following is a specification.

The invention relates to improvements in car-couplings.

The object of the present invention is to simplify and improve the construction of that class of car-couplings known as "pin-support springs" and to provide means for holding the link in a horizontal or inclined position preparatory to coupling to direct the link into the mouth of a draw-head.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a car-coupling constructed in accordance with this invention. Fig. 2 is a central longitudinal sectional view. Fig. 3 is a detail perspective view of the pin-support. Fig. 4 is a sectional view showing the pin elevated.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a draw-head having a flaring mouth and provided with a longitudinal opening, in which is pivoted a pin-support 2, provided in its upper portion with a longitudinal slot 3, through which passes a transverse pin 4, which forms a pivot for the pin-support. The pin-support is provided at its front with a projection 5, forming a shoulder adapted to support a coupling-pin 6, and the said pin-support is provided on its rear face with a shoulder 7, against which bears a spring 8, which bears against the draw-head and engages a lug 9 of the said shoulder 7 and serves to press the pin-support forward to cause the projections to move forward beneath the lower end of the coupling-pin when the latter is

raised. The projection 5 and the shoulder 7 are arranged about the middle of the pin-support, and the spiral spring 8 engages the upper face of the enlarged lower portion of the pin-support, which enlargement forms the shoulder 7, and the spring forces the pin-support, which is capable of vertical movement, as well as a swinging motion, downward and forward. The slot permits the pin-support to be forced upward against the action of the spring and enables the spring to press the projection 5 against a link 10 to hold the link in a horizontal position or in an upwardly-inclined position to direct the link into the mouth of a draw-head. The outer end of the projection 5 is provided with a curved notch 11, so as to conform to the configuration of the coupling-pin, and the coupling-pin is provided with a shouldered notch 12, adapted to be engaged by the projection of the pin-support to hold the pin-support out of contact with the link to permit the latter to move freely. Pressure on the outer end of the link will cause the inner end to lift the pin-support and carry the projection in engagement with the notch 12. Cars coming together couple automatically by the link which is carried by one of them striking the pin-support of the other car and allowing the pin to fall.

What I claim is—

In a car-coupling, the combination of a draw-head, a pin-support provided at its front with a projection and having a longitudinal slot, a horizontal pivot-pin passing through the slot, a spring engaging the rear of the pin-support and forcing the same downward and outward, and a coupling-pin provided with a notch adapted to be engaged by the said projection, substantially as described.

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

BENJAMIN H. PAUGH.

Witnesses:

LEWIS MCLENE,
ESTELLA PECK.