

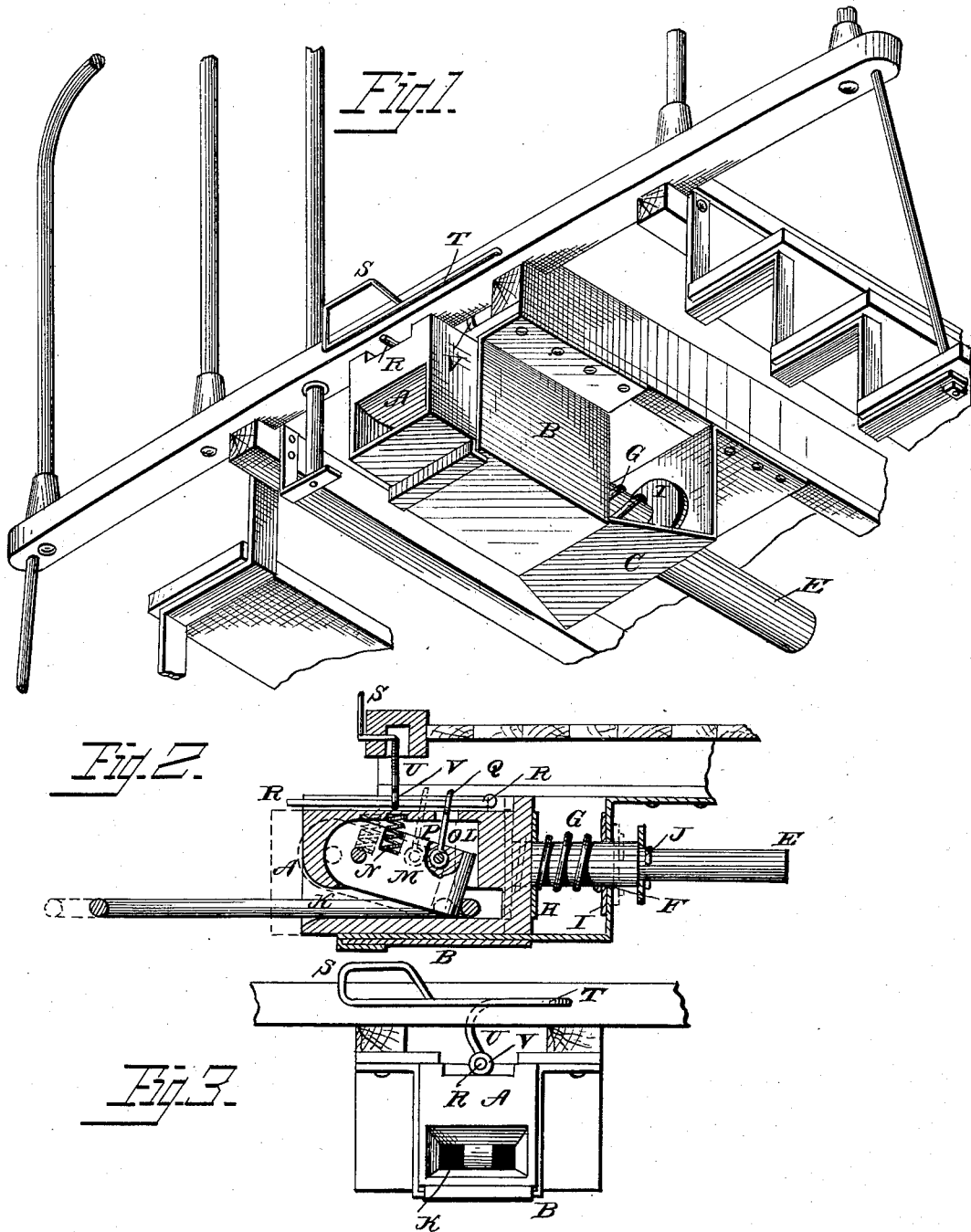
(No Model.)

D. J. SCHULTE.

CAR COUPLING.

No. 264,108.

Patented Sept. 12, 1882.



WITNESSES

Frauck L. Ouraud,

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UNITED STATES PATENT OFFICE.

DAVID J. SCHULTE, OF BEATTY, PENNSYLVANIA.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 264,108, dated September 12, 1882.

Application filed July 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, DAVID J. SCHULTE, of Beatty, in the county of Westmoreland and State of Pennsylvania, have invented certain
5 new and useful Improvements in Car-Couplings; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and
10 use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of the end of a car-platform equipped with my improved
15 coupling, the same being tilted so as to show the construction. Fig. 2 is a longitudinal sectional view, and Fig. 3 is a front view.

Corresponding parts in the several figures are denoted by like letters of reference.

20 This invention relates to self acting or automatic car-couplings; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claims.

25 In the drawings hereto annexed, A represents the draw-head, which is arranged to slide longitudinally in a hanger or bracket, B, upon the under side of the car.

30 C is a vertical plate, secured in rear of the hanger B, and forming a back wall for the latter. The lower end of plate C is bent forwardly through hanger B, to which it is attached, and which is thereby strengthened.

35 Draw-head A has a rearward-projecting stem, E, extending through a hole, F, in the back wall or plate, C.

G is a spring, which is coiled upon the stem E between a pair of washers, H I, which abut respectively against the rear end of the draw-
40 head and the back wall, C.

J is a pin driven transversely through stem E to prevent its being pulled out of washer I. By this arrangement the draw-head may slide,
45 direction.

The mouth K of the draw-head has a recess,

L, in its upper side, in which is pivoted a beveled tongue, M, which is forced in a downward direction by a suitable spring, N.

Attached to the rear free end of the tongue 50 is a rod, O, projecting upward through a slot, P, in the draw-head, and having an eye, Q, at its upper end.

R is a lever pivoted to the top of the draw-head, near its rear end, and extending for- 55 wardly through the eye Q.

S is a crank-lever pivoted to the car, or to the platform of the same, and having an operating-arm, T, and a downward-projecting arm, U, provided with an eye, V, to receive the 60 front end of lever R.

When in operation the draw-head moves longitudinally the lever R is free to play in the eye V of lever-arm T, by which it may at any time be raised so as to raise the tongue M 65 and uncouple the cars. When the cars come together the link of one draw-head will enter the mouth of the next one, engaging the tongue M and completing the coupling instantly and automatically.

70 I claim and desire to secure by Letters Patent of the United States—

1. The combination, with the longitudinally-sliding draw-head A, of the bracket or hanger B and back plate or wall, C, the lower end of which is bent forwardly through hanger B and 75 attached to the latter, as set forth.

2. The combination of the longitudinally-sliding draw-head having tongue M, upward-projecting rod O, having eye Q, and lever R, 80 extending forwardly through said eye, with the crank-lever S, having operating-arm T and arm U, provided with eye V, to receive the front end of lever R, as set forth.

In testimony that I claim the foregoing as 85 my own I have hereto affixed my signature in presence of two witnesses.

DAVID JULIUS SCHULTE.

Witnesses:

MICHAEL H. BRINICH,
C. C. ALBERT.