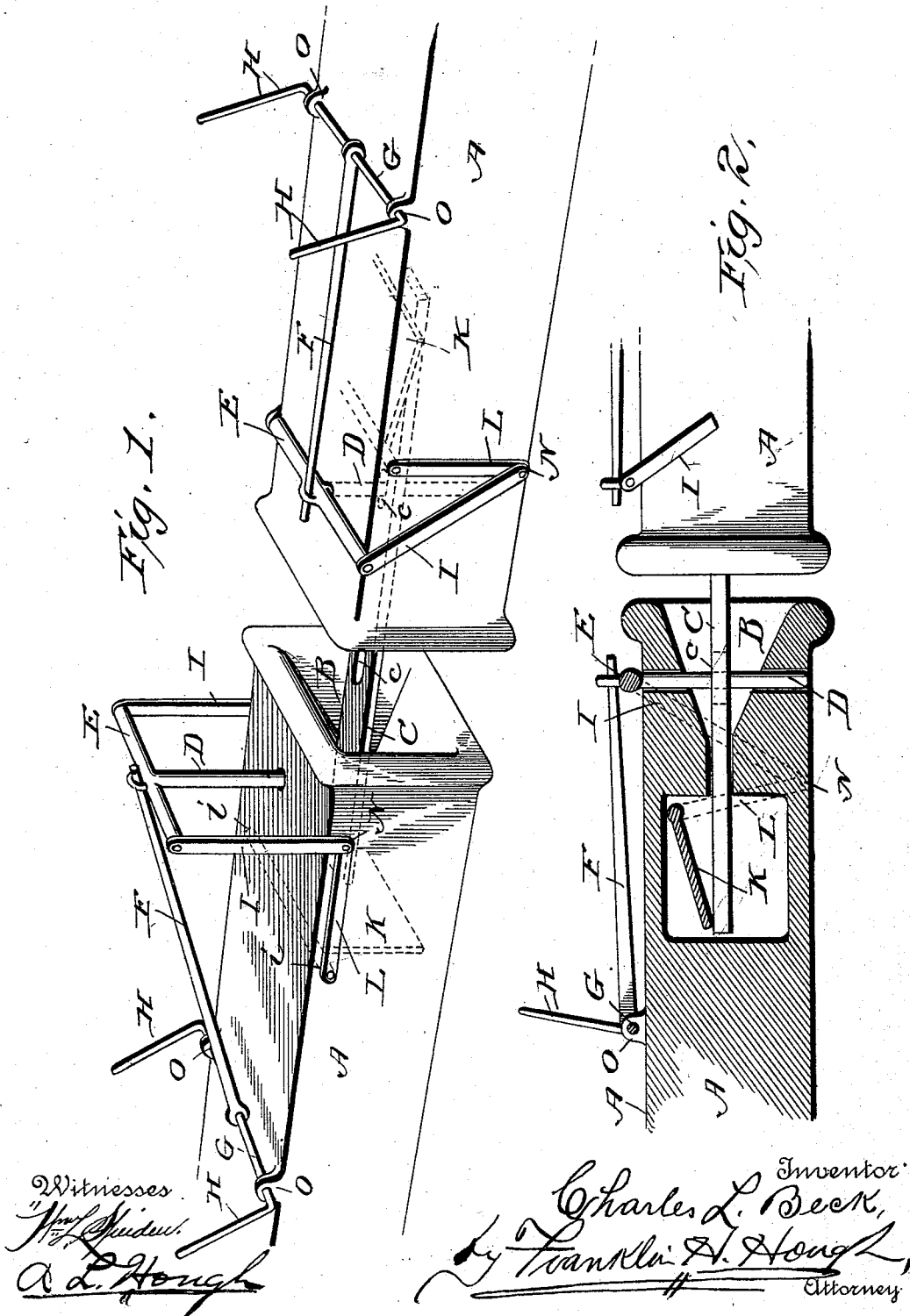


(No Model.)

C. L. BECK.
CAR COUPLING.

No. 524,127.

Patented Aug. 7, 1894.



UNITED STATES PATENT OFFICE.

CHARLES L. BECK, OF REBERSBURG, PENNSYLVANIA.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 524,127, dated August 7, 1894.

Application filed March 22, 1894. Serial No. 504,709. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. BECK, a citizen of the United States, residing at Rebersburg, in the county of Centre and State of Pennsylvania, have invented certain new and useful Improvements in Car-Couplings; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to certain new and useful improvements in car couplers, and especially to the class where a link and lever operated pin are employed, and also a plate which works automatically to eject the link when the pin is lifted from an engaging relation, the pin being lifted by a lever connection which works the plate at the same movement.

25 The invention consists further in the novel construction, combination and adaptation of the parts as will be hereinafter more fully described and then specifically defined in the appended claim.

30 I clearly illustrate my invention in the accompanying drawings, which with the letters of reference marked thereon, form a part of this specification, and in which drawings, similar letters of reference indicate like parts throughout both views, in which—

35 Figure 1, is a perspective view of my improved coupler in a coupled relation. Fig. 2, is a longitudinal section vertically through the coupler.

40 Reference now being had to the details of the drawings by letter, A, represents the drawhead which has a beveled opening B, for the reception of the link C, which link has

apertures *c c* for the reception of the coupling pins D. The pins D are pivoted in any suitable manner to bars E, E, to which are attached the arms F, attached to the shafts G, having the levers H, H, attached to their ends. To the ends of the bars E, are rigidly secured the arms I, I, one at each end of the said bars, and K, K, are swinging plates pivoted within the drawhead, at *i i*, and are provided with the crank arms L, L which have connection with the levers I at the points N. The shafts G are pivoted in the eyes O.

55 The operation of the coupler is as follows:— The link slides in to the end of the draw heads in the beveled ends, the ends of the links come in contact with the swinging plates, and the pins through the lever and crank connection are, lowered through the eyes in said links, and the coupling effected. When the uncoupling is made, the hand levers are drawn back, the pins are raised and the links are thrown out of the draw heads.

65 Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

70 In an automatic car coupling, the combination of the swinging plate pivoted within the draw head having crank and lever connections with a coupling pin, of a shaft pivoted to projections on the upper surface of the draw head, the bar F connecting the shaft E carrying the pin, D, and the shaft G, the said plate K adapted to lower the pin, when the pressure of the link is brought to bear against the same, all substantially as shown and described.

75 In testimony whereof I affix my signature in presence of two witnesses.

CHARLES L. BECK.

Witnesses:

W. J. CARLIN,
J. W. WAITE.