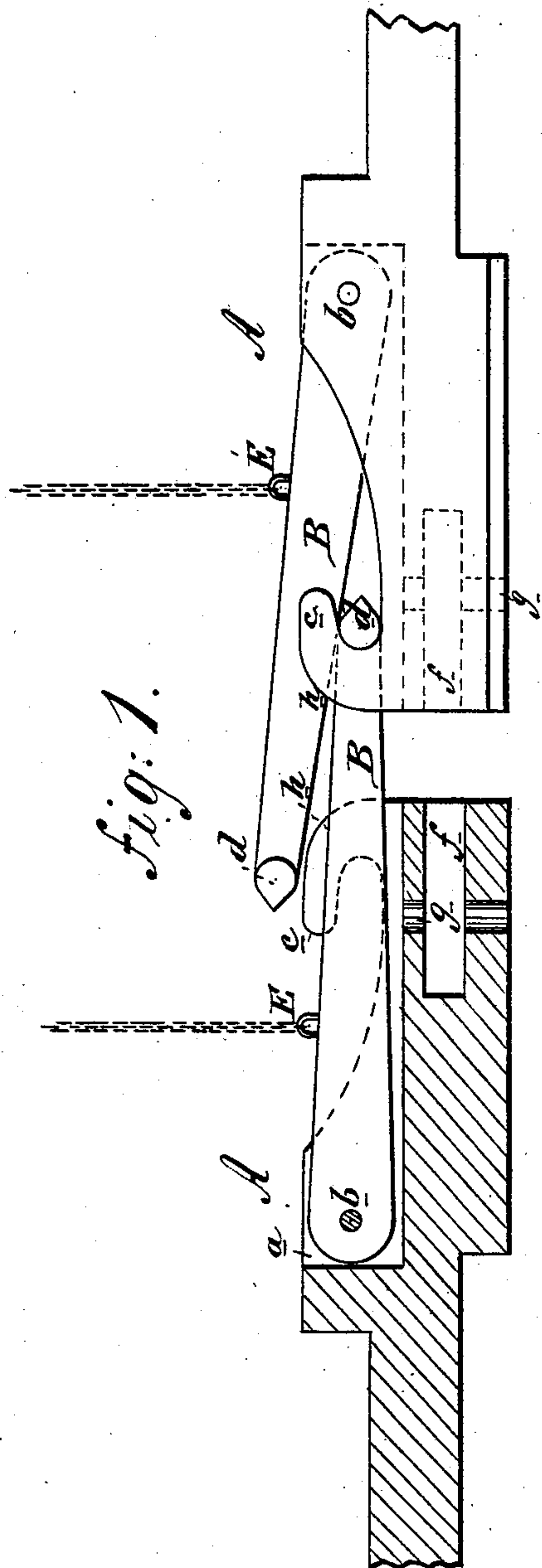


(Model.)

J. H. B. McCRA Y.
Car Coupling.

No. 243,284.

Patented June 21, 1881.



167

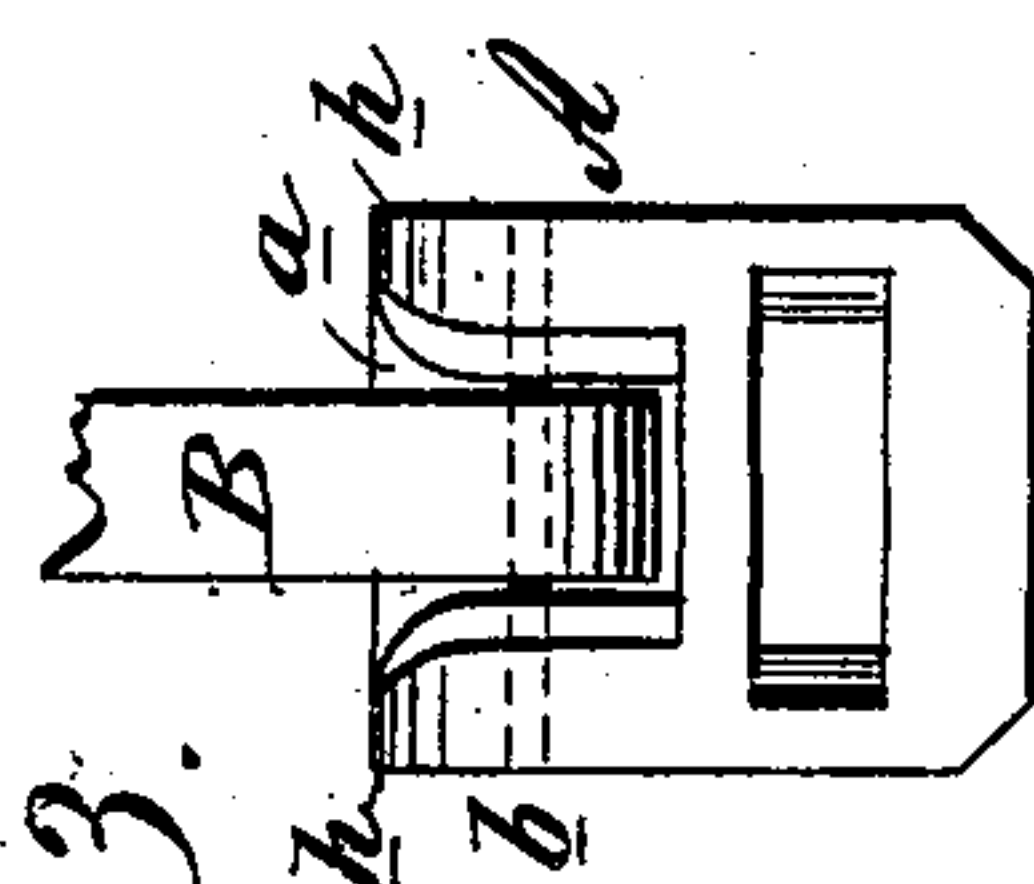


Fig. 3.

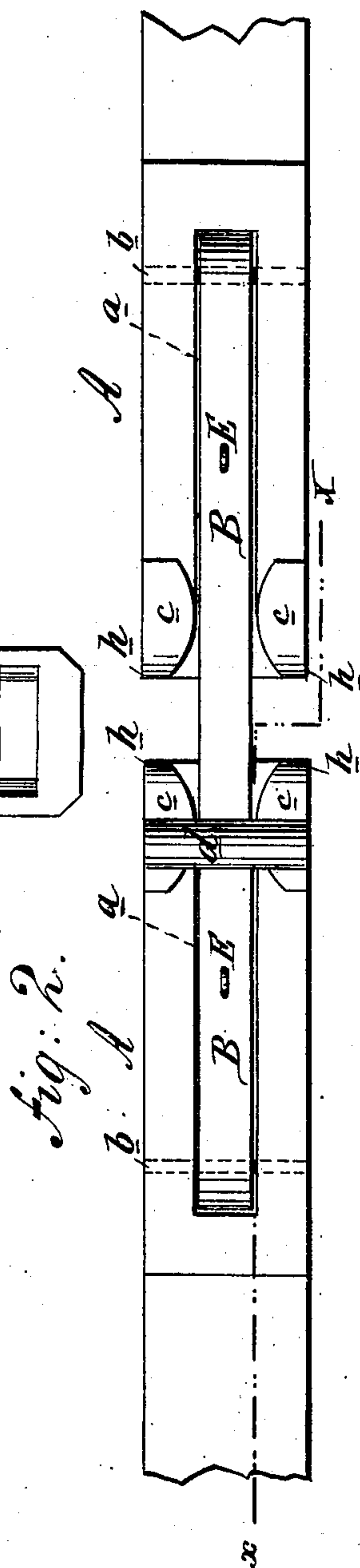


fig. 2.

WITNESSES:

A. Schehl.
W. Dragwisch

INVENTOR:

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J. H. B. McCray
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ATTORNEYS.

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UNITED STATES PATENT OFFICE.

JOHN H. B. McCRAY, OF BLOSSOM PRAIRIE, TEXAS.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 243,284, dated June 21, 1881.

Application filed October 14, 1880. (Model.)

To all whom it may concern:

Be it known that I, JOHN H. B. McCRAY, of Blossom Prairie, in the county of Lamar and State of Texas, have invented a new and Improved Car-Coupler, of which the following is a specification.

This invention relates to that class of couplers that are self-couplers; and it consists of an open-top hook-shaped draw-bar provided with a pivoted T-shaped vertically-moving coupling-bar, and provided also with an end socket for using the ordinary coupling link.

Figure 1 is a side elevation representing two couplers in coupling position, one of them being in section on line *x x*, Fig. 2. Fig. 2 is a plan of the same. Fig. 3 is a front elevation of a coupler.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents a draw-bar, having in its top a longitudinal opening, *a*, in the rear part of which a T-shaped coupling-bar, B, is pivoted on a transverse pin, *b*, so that the free T end of said bar B shall extend in front of the said draw-bar A, for coupling in an opposite draw-bar A, the cross-bar *d* of the said T end being beveled on both front edges, as shown in Fig. 1, so that should two draw-bars come in contact with each other they will at once slip over each other, and so that on the contact of one with the face of a draw-bar said coupling-bar B will at once slide up over the outer curve, *h*, of the hook end of

said draw-bar A. The top of said draw-bar A is fashioned in the shape of a hook, with the barbs *c c* pointing rearward, so that when two draw-bars, A A, approach for coupling, the T end of one coupling-bar B will strike the face of the opposite draw-bar A, and slide up over the curve thereof and over the barbs *c c*, and be caught and held in the bend of the hook, as shown in Fig. 1, while the other coupling-bar B will override the lower and coupled bar, B, and rest thereon, as shown in Fig. 1. To uncouple, the bars B are lifted or swung upward by means of the attached staples and chain E, or any other suitable device.

The draw-bars A are also provided with horizontal sockets *f f* and vertical coupling-pin holes *g g*, for the use of the usual coupling link and pin whenever desired.

By the use of this device the danger to life and limb incident upon going between cars for coupling may be avoided.

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

A car-coupler constructed substantially as herein shown and described, consisting of draw-bar A, provided with curved face *h*, hooks *c c*, and vertically-swinging T-shaped coupling-bar B, as set forth.

JOHN HENRY BRANIC McCRAY.

Witnesses:

W. L. WILLIAMS,
JOE B. WILLIAMS.