

G. W. PUTNAM.
Car-Couplings.

No. 156,593.

Patented Nov. 3, 1874.

Fig. 1.

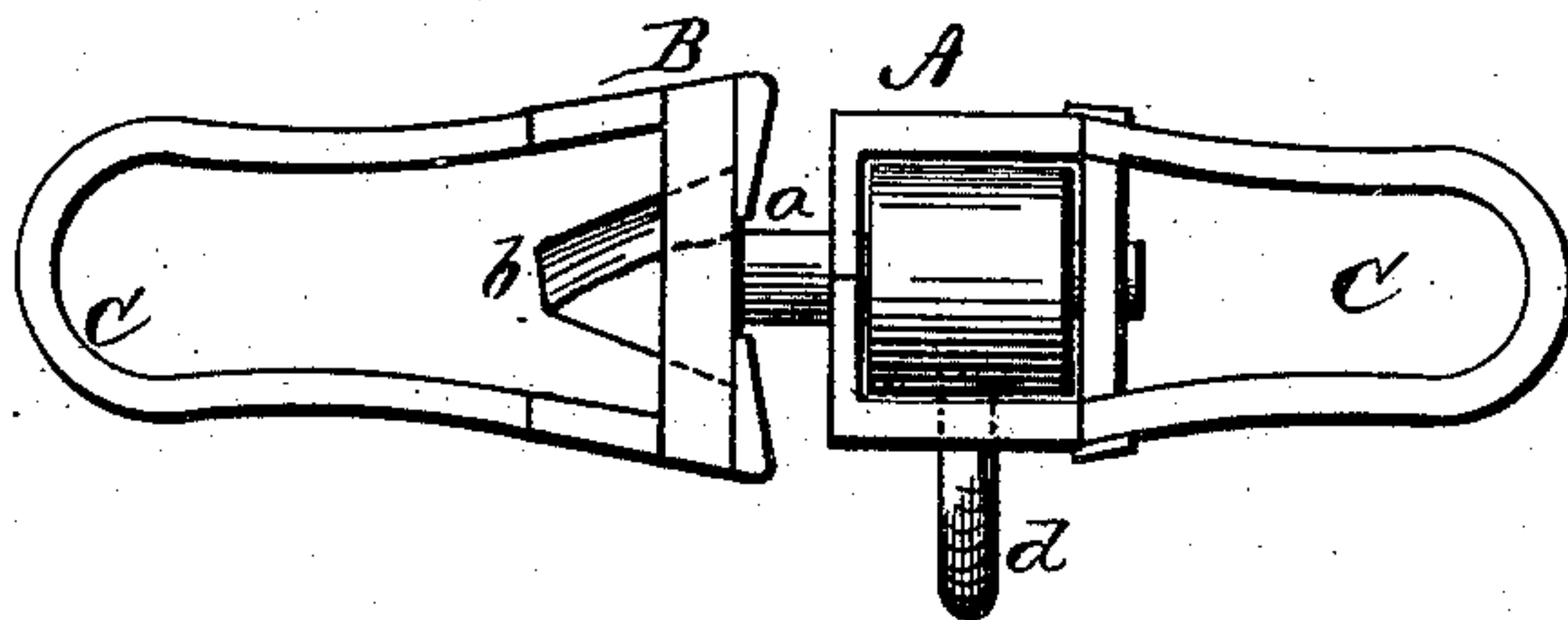


Fig. 2.

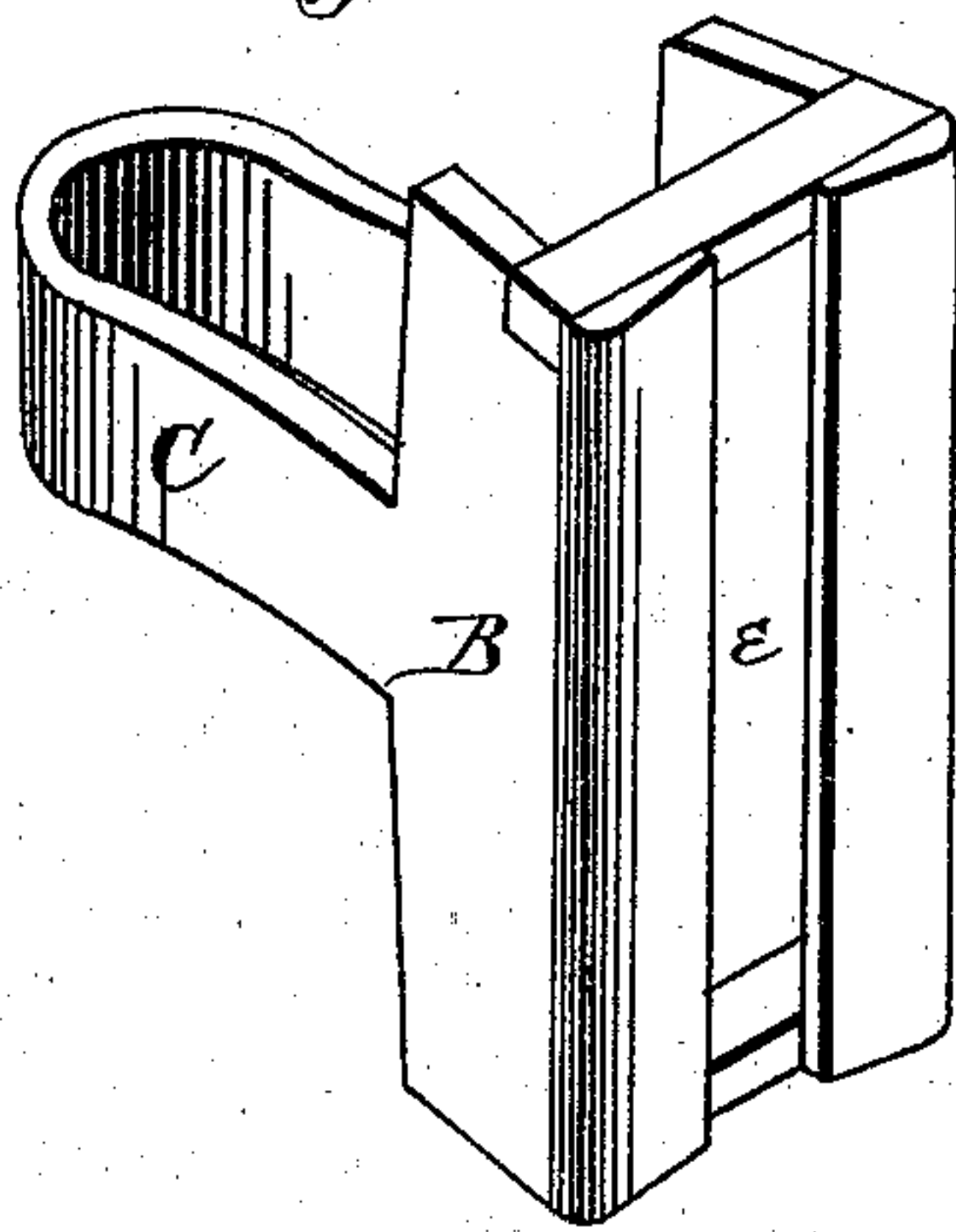
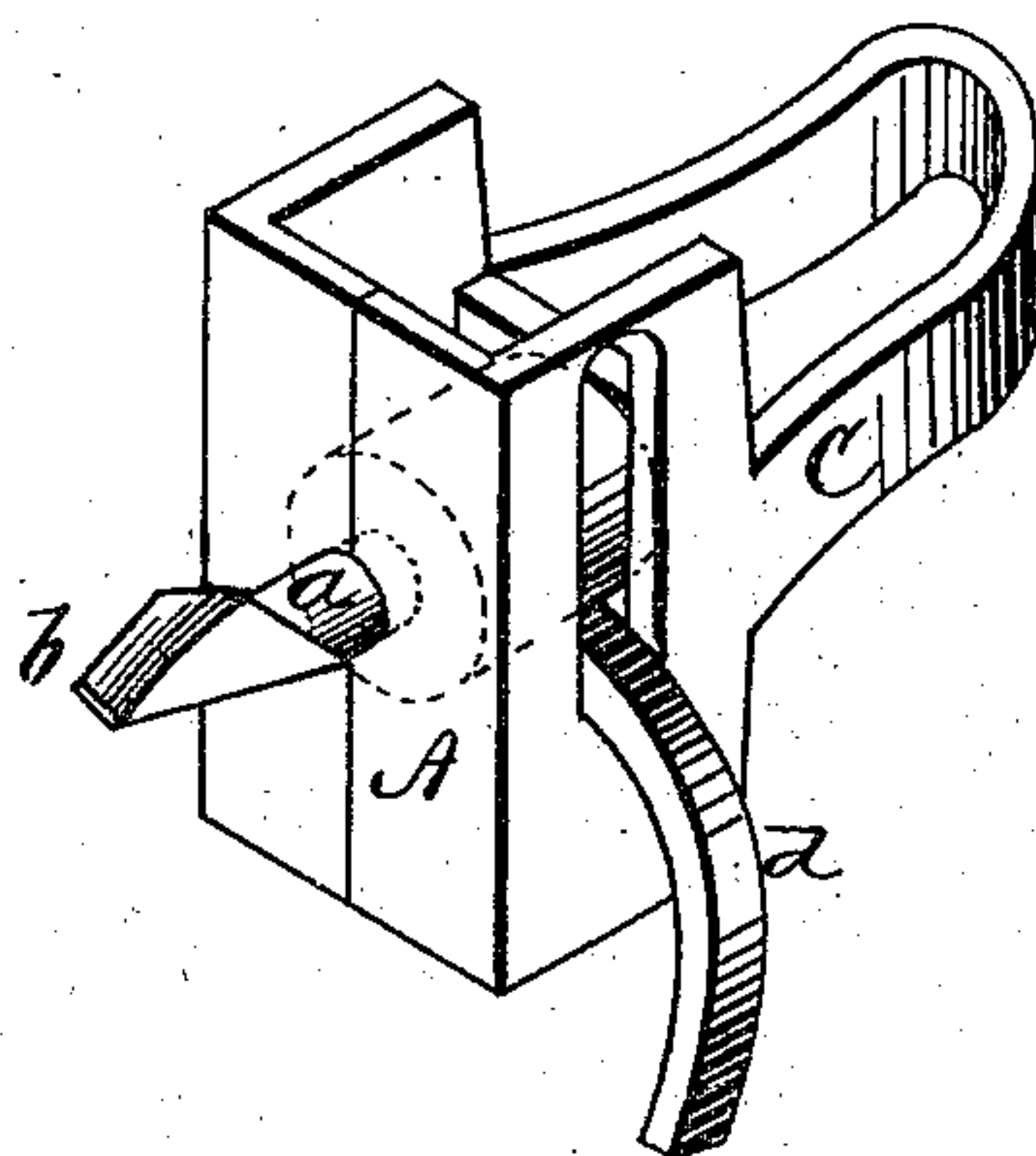


Fig 3.



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

GEORGE W. PUTNAM, OF GLENS FALLS, NEW YORK.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **156,593**, dated November 3, 1874; application filed October 1, 1874.

To all whom it may concern:

Be it known that I, GEORGE W. PUTNAM, of Glens Falls, in the county of Warren and in the State of New York, have invented certain new and useful Improvements in Car-Coupler; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making apart of this specification.

The nature of my invention consists in the construction and arrangement of an attachment for the ordinary draw-heads of the pin-and-link car-coupling, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view of my attachment; and Figs. 2 and 3 are perspective views of the same.

My invention is intended to be used with the ordinary pin-and-link car-coupling, for the purpose of making the same self-coupling.

To this end I use two metal frames, A and B, each formed or provided with a bail or link, C, to be inserted in the ordinary draw-head, and be held there by the common coupling-pin. In the frame A is a horizontal shaft or rod, *a*, the front end of which is provided with a spear-shaped head, *b*, having beveled or turned sides, as shown in Figs. 1 and 3. From the side of the shaft *a* projects a curved

arm, *d*, which extends through a vertical slot in the frame A, and by its downward tendency holds the head *b* in a horizontal position. The frame B is elongated vertically, as shown in Fig. 2, and provided with a vertical slot, *e*, of the same width as the thickness of the shaft or rod *a*.

My attachment being fastened, as described, in the draw-heads of two adjoining railroad-cars, when the cars are brought together, the point of the head *b* enters the slot *e*, and revolves by the action of the beveled sides of the head, so that said head will pass through the slot *e*, and as soon as it clears the same the weight of the arm *d* returns it to its position, and thus couples the cars. The elongated frame B allows of the coupling of cars of very different heights. By raising the arm *d*, either by hand or by a cord or chain attached thereto, the cars are easily uncoupled.

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

The combination of the frame A, having link C and shaft *a*, with head *b*, and arm *d*, and the elongated frame B, having link C and slot *e*, all substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 14th day of September, 1874.

GEO. W. PUTNAM.

Witnesses:

GEO. W. CHENEY,
H. A. HALL.