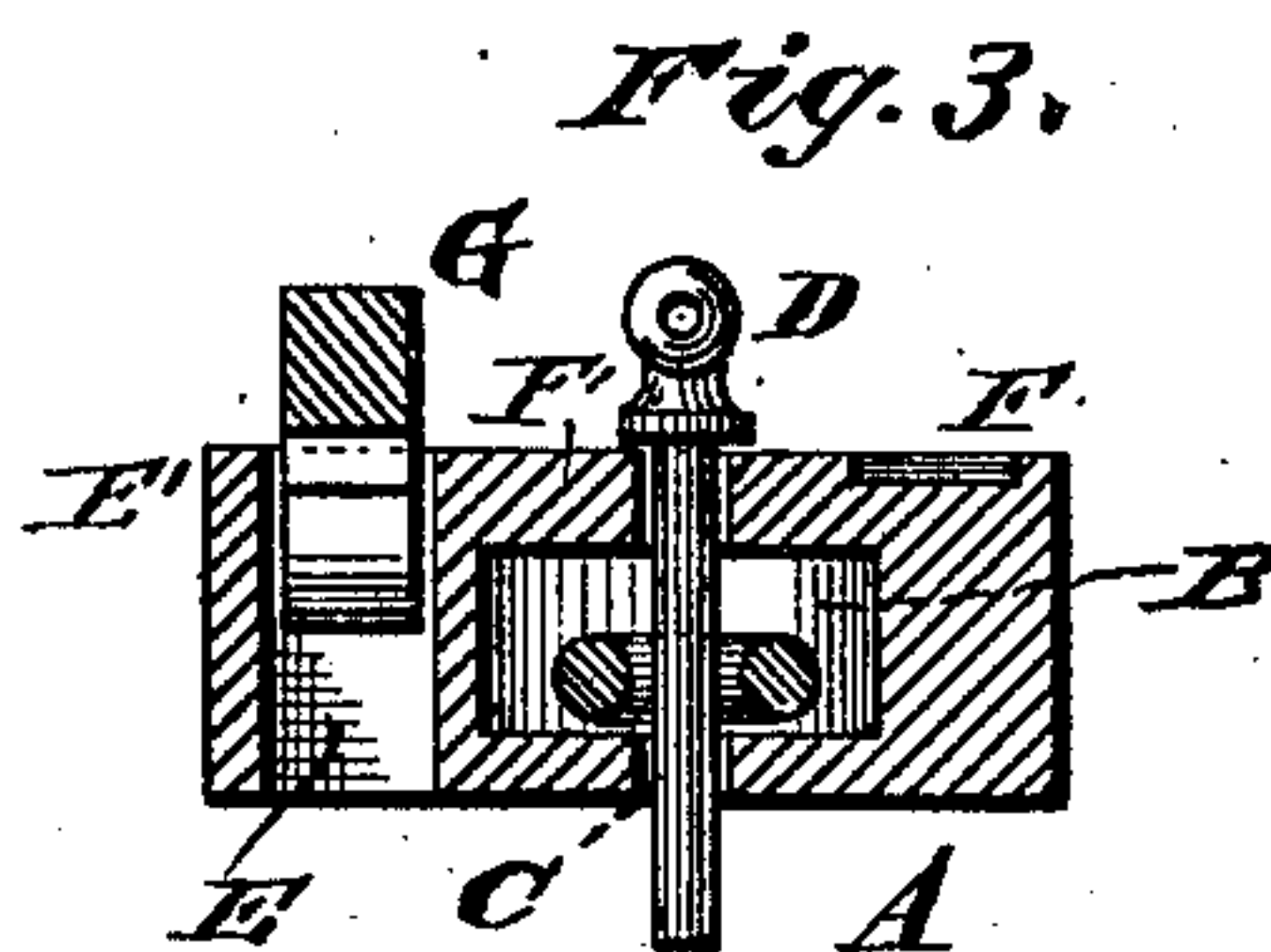
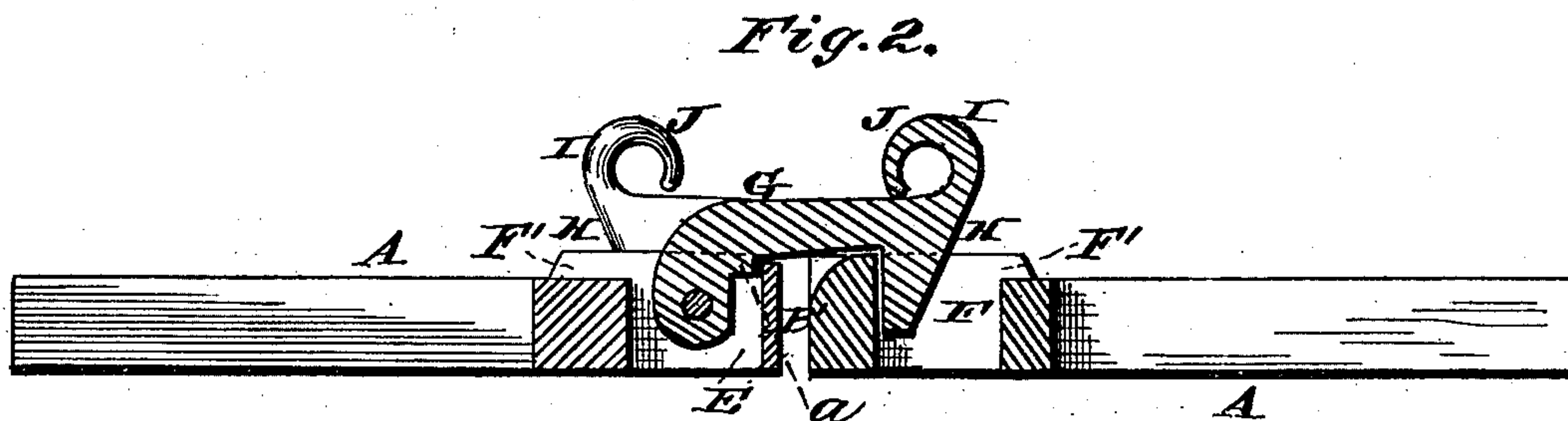
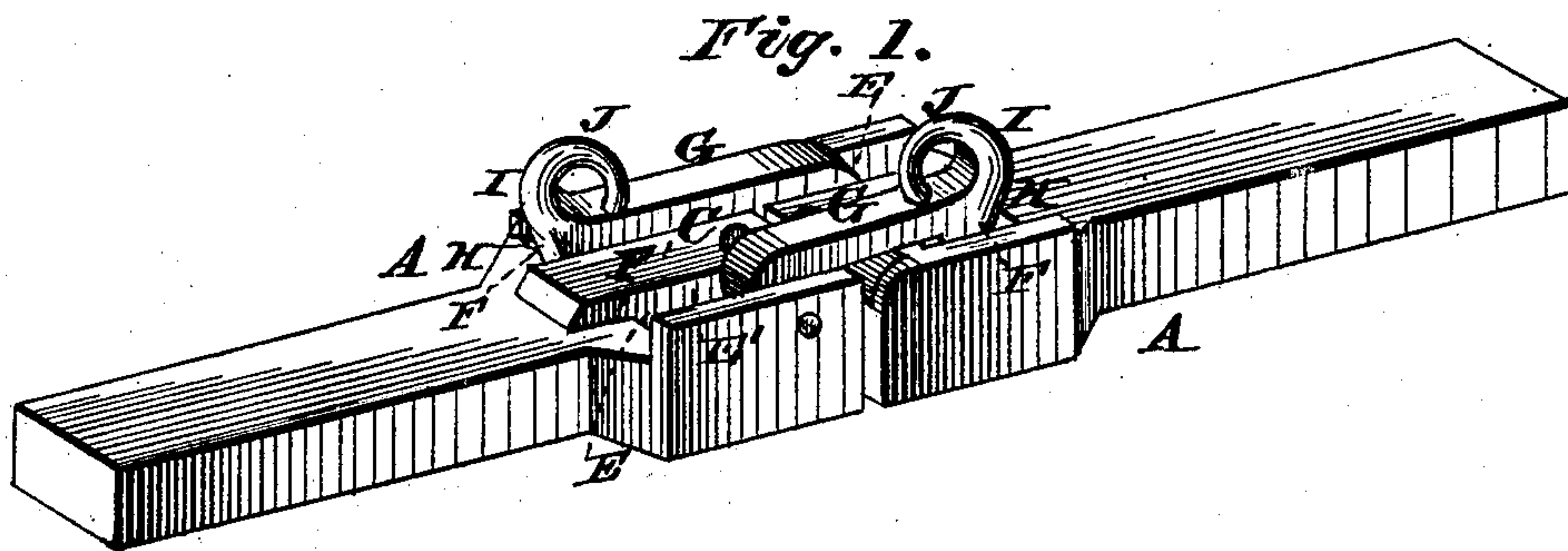


(No Model.)

P. PELTON.
CAR COUPLING.

No. 245,973.

Patented Aug. 23, 1881



WITNESSES

Med. L. Dieterich
P. H. Dieterich

INVENTOR

P. Pelton
by *A. Snow & Co.* Attorneys

UNITED STATES PATENT OFFICE.

PHINEAS PELTON, OF MARTELLE, IOWA.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 245,973, dated August 23, 1881.

Application filed June 18, 1881. (No model.)

To all whom it may concern:

Be it known that I, PHINEAS PELTON, of Martelle, in the county of Jones and State of Iowa, have invented certain 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 use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view, Fig. 2 is a longitudinal sectional view, and Fig. 3 is a vertical cross-section, of one of the draw-heads.

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

This invention relates to 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.

In the drawings hereto annexed, A A represent the draw-heads, which are each provided with a horizontal recess, B, for the reception of the coupling-link, a vertical perforation, C, being provided to receive the coupling-pin D, in the fashion of the ordinary pin-and-link coupling. The front end of the draw-head is provided on each side with a vertical slot or mortise, denoted, respectively, by the letters E F. In the former is pivoted a suitably-shaped coupling-hook, G, and the latter is provided with a beveled front, H, to permit the said slot or mortise to engage the coupling-hook of the opposite draw-head.

It will be observed that the formation of the vertical slots E F leaves a central raised portion, F', and a side raised wall, E', between which the coupling-hook is pivoted. Also, that the pivoted portion of the coupling-hook inside the slot is provided with an elbow, a, which, by bearing against the front wall, B', of the slot lessens the draft on the pivot-bolt.

The ends or noses I of the coupling-hooks are folded back, as shown, so as to form eyes

J, in which the chains, ropes, rods, or other devices used to elevate the hooks in the act of uncoupling may be secured.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of my invention will be readily understood.

The construction of my improved car-coupling is simple and durable. It is, furthermore, inexpensive, and easily applied and operated.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. As an improvement in car-couplings, the combination, with the draw-head A, constructed substantially as described, having the central longitudinal mouth or opening, B, through which passes the vertical central circular opening, C, and provided with two vertical slots, E F, passing entirely through the draw-head from top to bottom, one on each side of said horizontal mouth, leaving a wall between said slots and mouth, and a strong front wall, B', extending from top to bottom, and forming central raised portion, F', and side raised wall, E', between which is pivoted the coupling-hook G, the front wall of one of the side slots being beveled at its top, of the pivoted gravity coupling-hook G, having elbow a to bear against the front wall of the slot in which it is pivoted, and having its hook end folded back to form an integral eye, J, all combined and operating substantially as and for the purposes described.

2. In a car-coupling, the herein-described automatic coupling-hook, the end or nose of which is turned back to form a loop or link, as herein described, for the purpose set forth.

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

PHINEAS PELTON.

Witnesses:

G. J. HAKES,
G. W. METTER.