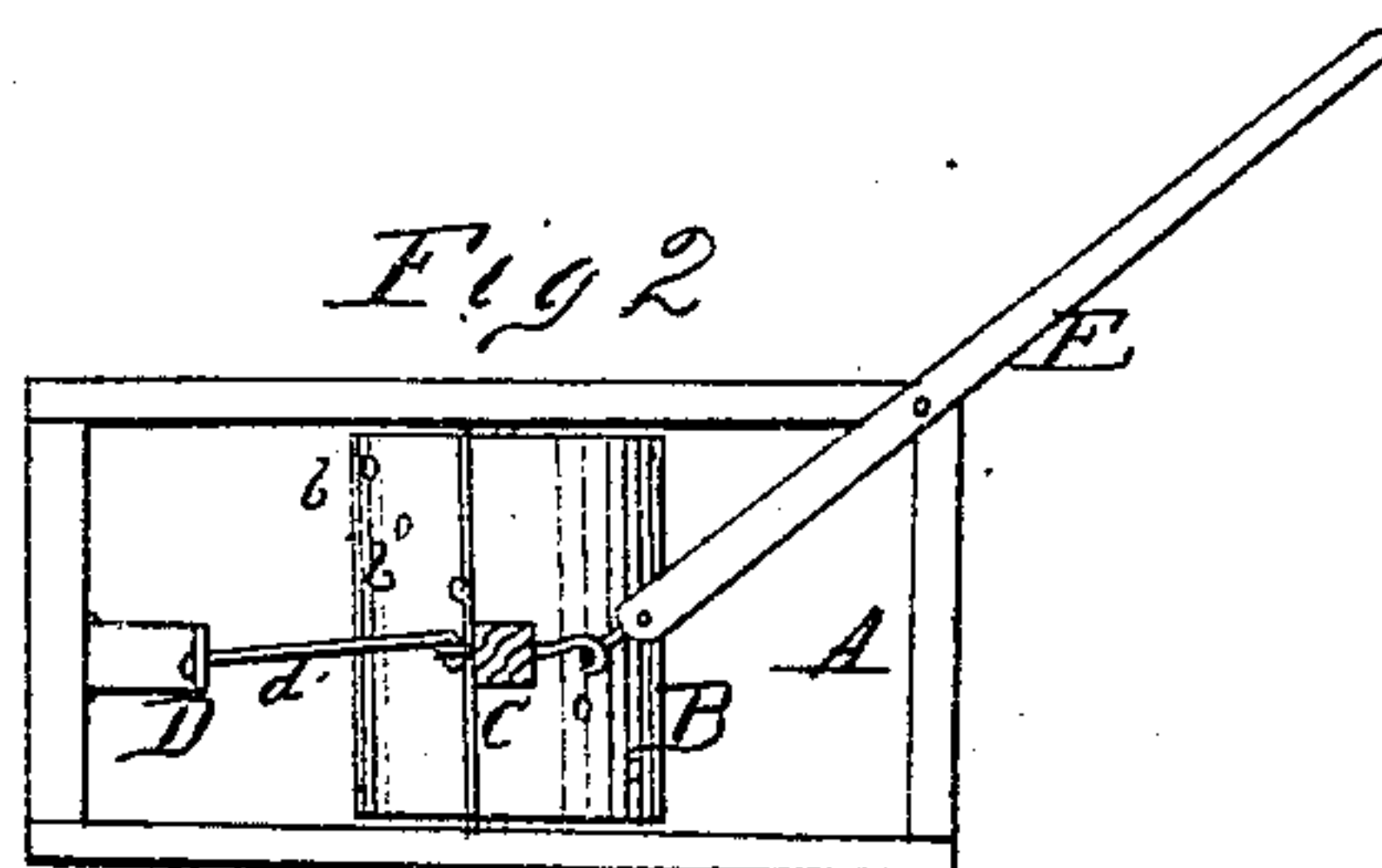
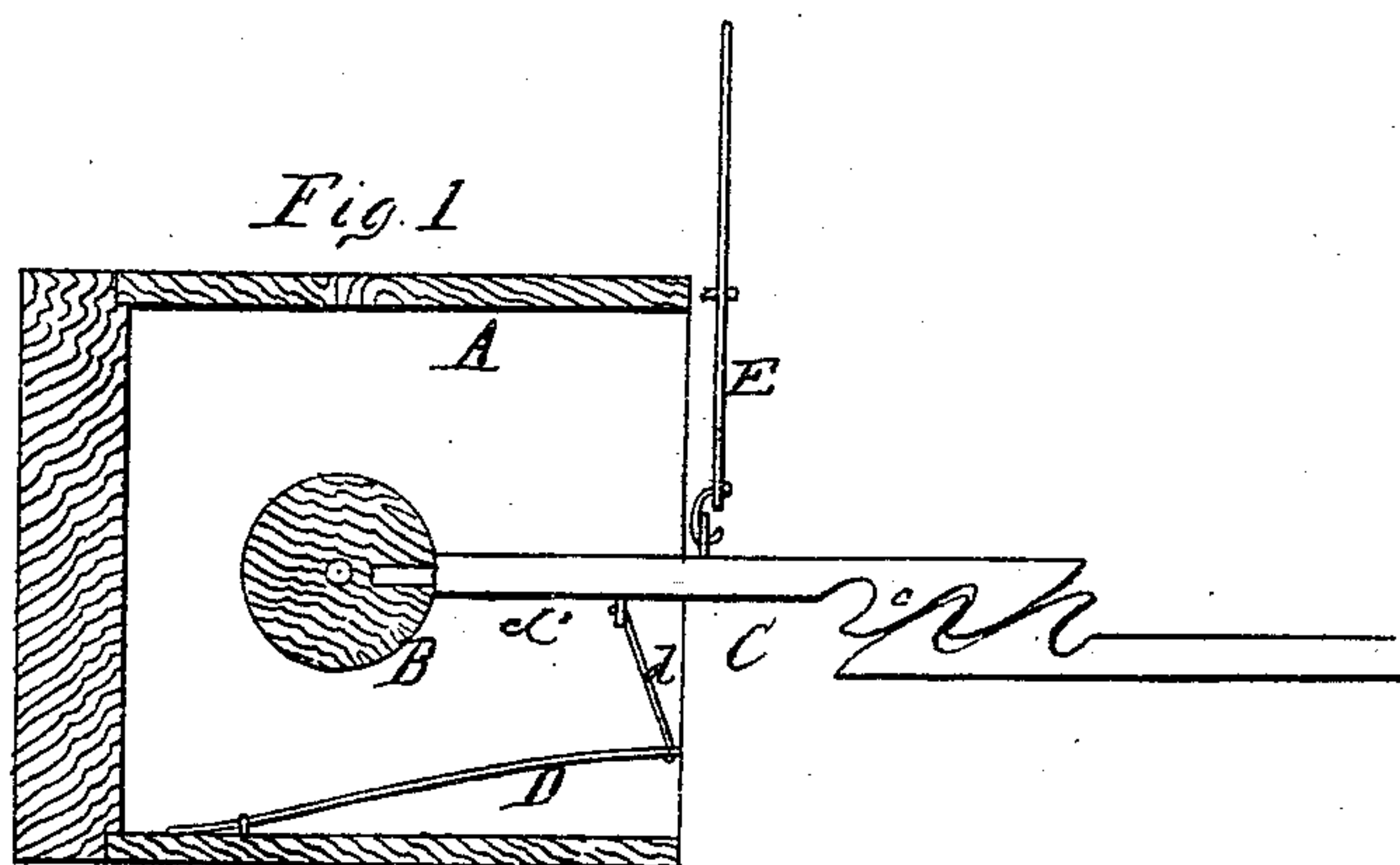


L. MARSHALL.

Improvement in Car Coupling.

No. 123,496.

Patented Feb. 6, 1872.



Witnesses
J. A. Connelly
H. B. Curtis,

Inventor
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Atty:

UNITED STATES PATENT OFFICE.

LEVIN MARSHALL, OF MOUNT STERLING, ILLINOIS.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. 123,496, dated February 6, 1872.

To all whom it may concern:

Be it known that I, LEVIN MARSHALL, of Mount Sterling in the county of Brown and State of Illinois, have invented a new and valuable Improvement in Car-Coupling; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a horizontal section of my invention. Fig. 2 is a front-end view.

This invention has relation to automatic car-couplings; and the novelty consists in the construction and arrangement of devices for the purpose of adapting the couplings to different-sized cars, as hereinafter described.

In the accompanying drawing, A represents a bumper-head, in which is journaled a vertical cylinder, B, having holes *b* bored at intervals one above the other. These holes should, for convenience, be arranged in spiral order, as shown in Fig. 2. They are designed to hold the tenoned ends of the adjustable coupling-jaw C having the double-beveled clutching end *c*. The jaw shank is inserted in whatever hole or

socket adapts it to the desired height. D represents a spring secured to the side of the bumper-head within the cavity of the same, and connected to the jaw C by means of a cord or flexible coupling, *d*. It is designed to hold the jaw in a proper position for coupling, allowing it to spring when pressed against by the opposite coupling-jaw. A post, *d'*, prevents the jaw from being drawn too far by the spring. E indicates a lever pivoted to the front of the bumper-head or to the end of the car, and coupled to the jaw. It is used as a means of releasing the jaw to uncouple the cars.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a car-coupling, the cylinder B, having the spiral series of sockets *b*, as described, in combination with the adjustable jaw C, as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LEVIN MARSHALL.

Witnesses:

W. HENRY KING,
F. M. FRY.