

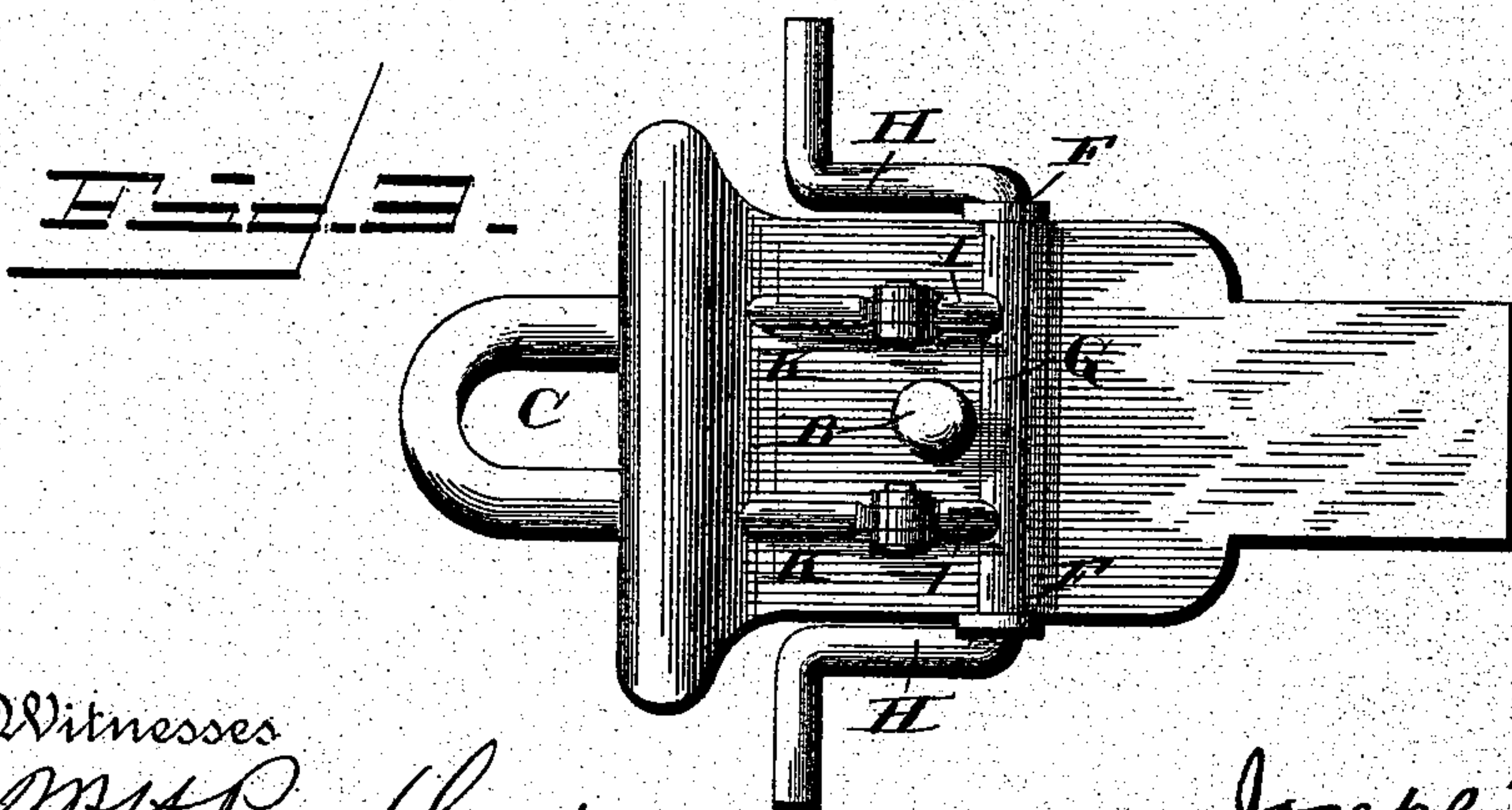
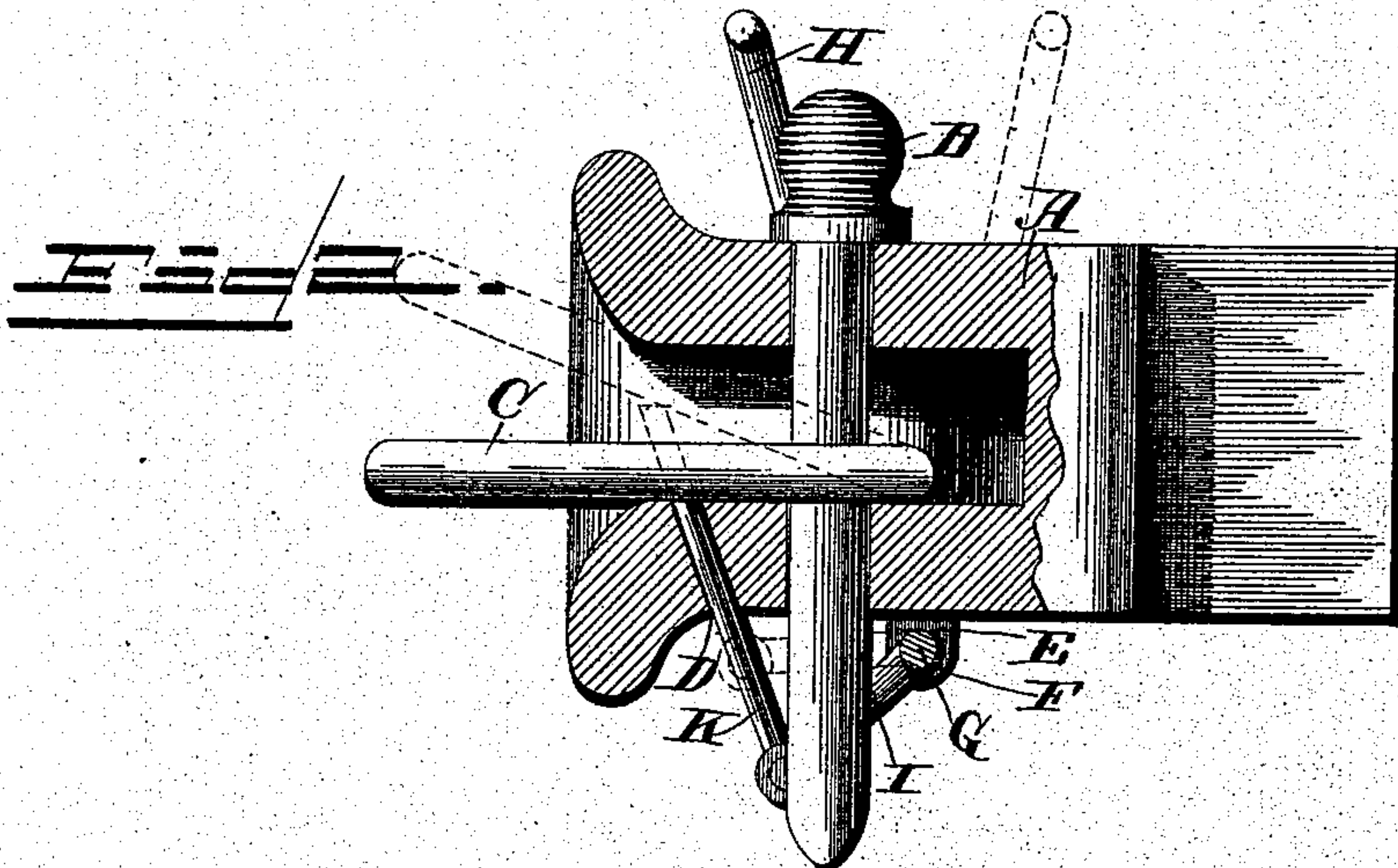
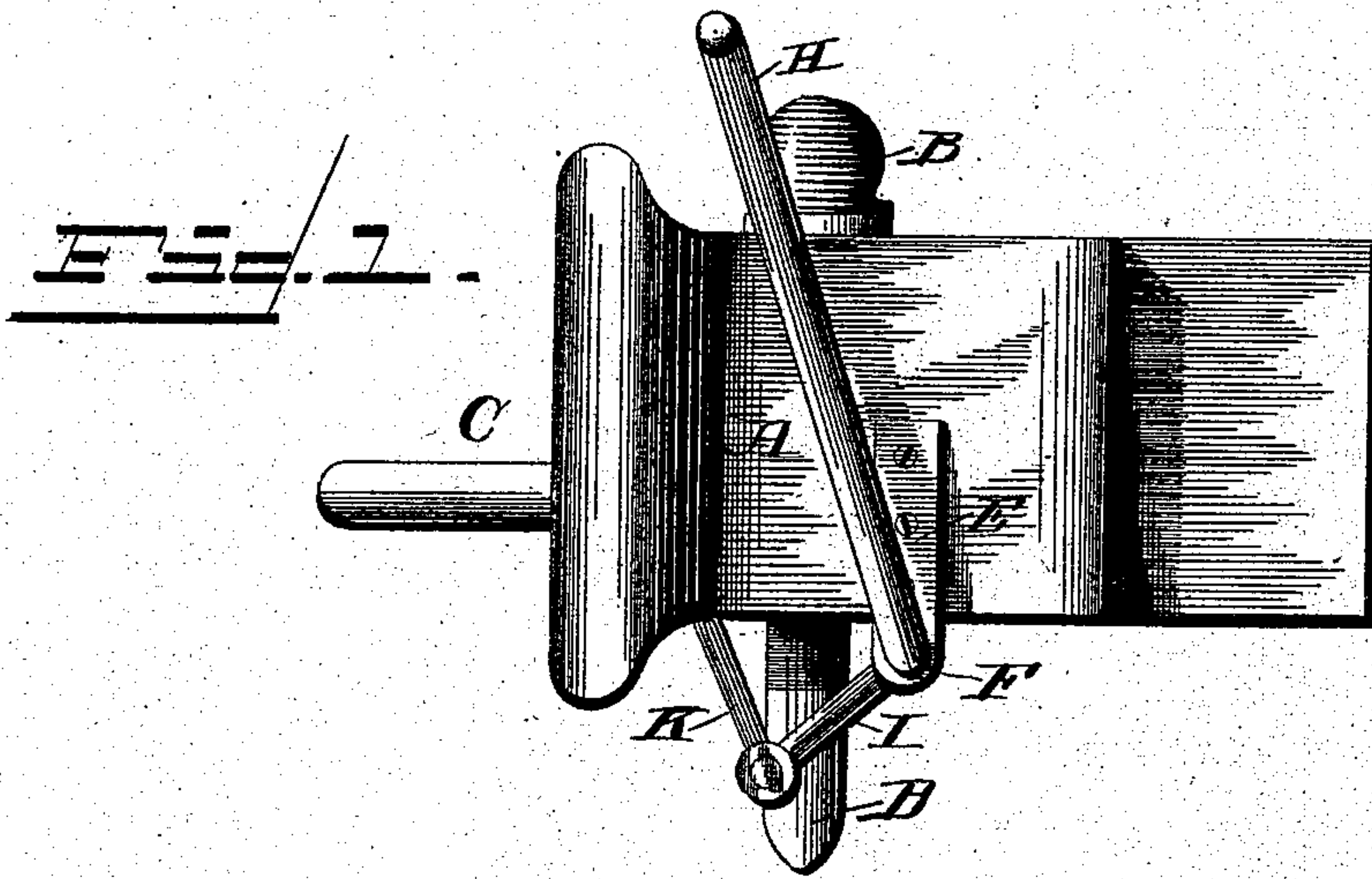
(No Model.)

J. McMULLIN.

CAR COUPLING.

No. 377,631.

Patented Feb. 7, 1888.



Witnesses

W. B. Pumphrey
C. E. Doyle

Inventor

Joseph M. Mullin

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UNITED STATES PATENT OFFICE.

JOSEPH McMULLIN, OF CASEY, IOWA, ASSIGNOR OF ONE-HALF TO GEORGE W. JULIAN, OF SAME PLACE.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 377,631, dated February 7, 1888.

Application filed September 22, 1887. Serial No. 250,426. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH McMULLIN, a citizen of the United States, residing at Casey, in the county of Guthrie and State of Iowa, have invented a new and useful Improvement in Car-Couplings, of which the following is a specification.

My invention relates to improvements in car-couplings; and it consists in an improved link raiser or operator adapted to be applied to any draw-head now in use, the construction of which is fully described hereinafter, and specifically pointed out in the claim.

In the drawings, Figure 1 is a side view of a draw-head provided with my improved link-raiser. Fig. 2 is a longitudinal central section of the same. Fig. 3 is a bottom plan view.

Referring by letter to the drawings, A designates a draw-head of the ordinary construction, provided in the upper and lower sides with the usual aligned openings for the coupling-pin. B represents the coupling-pin passed through the said openings, and C represents the link engaged by the said pin.

D D designate small outwardly and upwardly inclined openings in the lower side of the draw-head, the upper ends of the said openings being opposite or directly under the sides of the link.

E E designate hangers or brackets secured to the sides of the draw-head and extending below the lower side thereof, the lower ends of the said hangers being provided with aligned openings or bearings F F.

G designates a horizontal transverse shaft journaled in the bearings F F, to the outer ends of which, at each side of the draw-head, are attached the upwardly-extending arms or handles H H, bent outwardly at the upper ends. The shaft G is further provided with the forwardly-extending arms I I, the front ends of which are provided with eyes; and K K designate push-rods or raisers pivoted at the lower ends between the eyes on the front ends of the arms I, and adapted to operate in the inclined openings D D in the lower side of the draw-head. As the upper ends of the openings D

D are respectively under the sides of the coupling-link when the raising-rods are pushed upwardly, the front or outer end of the link will be raised.

The operation of the device will now be clearly seen. The push-rods or raisers are operated by the arms I I, which latter are secured to the shaft, and the shaft is operated by means of the handles H H on the ends thereof. The said handles are within easy reach of the operator, and by the proper use of the same any desired elevation of the front end of the link may be had without requiring that the link should be grasped by the operator. It will further be seen that, in addition to raising the outer end of the link, the push-rods will press the link forwardly, thus placing the latter in the most desirable position for coupling without endangering the limbs of the train hands. It will be seen that this raising device may be applied to any ordinary draw-head now in use at a very slight expense, and by means of the same the manipulation of the coupling-links is rendered absolutely certain without danger to the operator.

Having thus described my invention, I claim—

In a car-coupling, the combination, with the draw-head having the brackets or hangers E E on its under side, provided with aligned bearings F F, of the transverse shaft G, mounted in the said bearings, the upwardly-extending arms or handles H H, attached to the shaft and arranged on opposite sides of the draw-head, the rigid arms I I on the said shaft, and the push-rods or raisers K K, pivoted to the extremities of the arms I I and operating in inclined openings D D in the lower side of the draw-head, substantially as and for the purpose specified.

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

JOSEPH McMULLIN.

Witnesses:

WILLIAM CHRISTIAN SMITH,
WM. S. MORRISON.