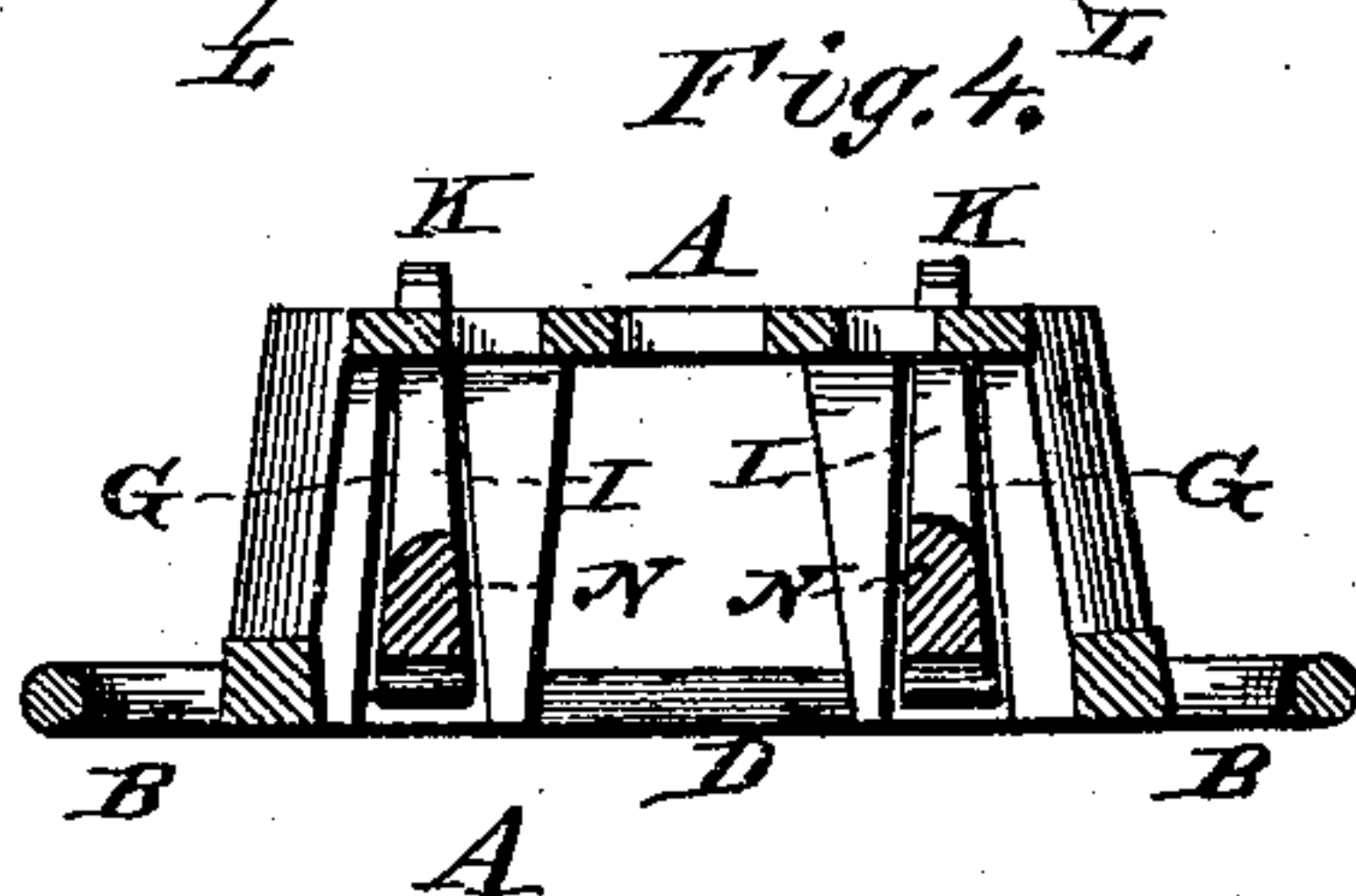
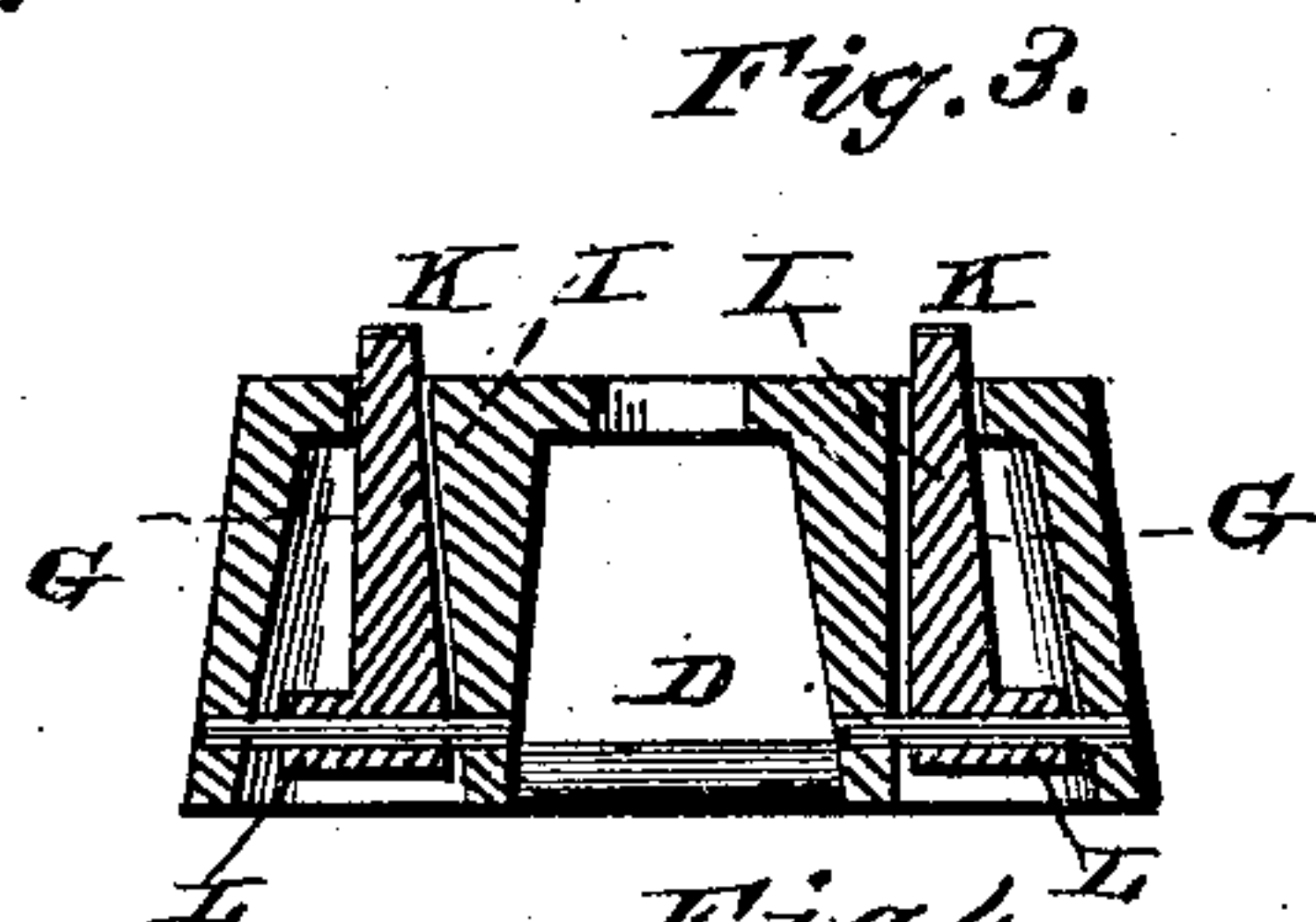
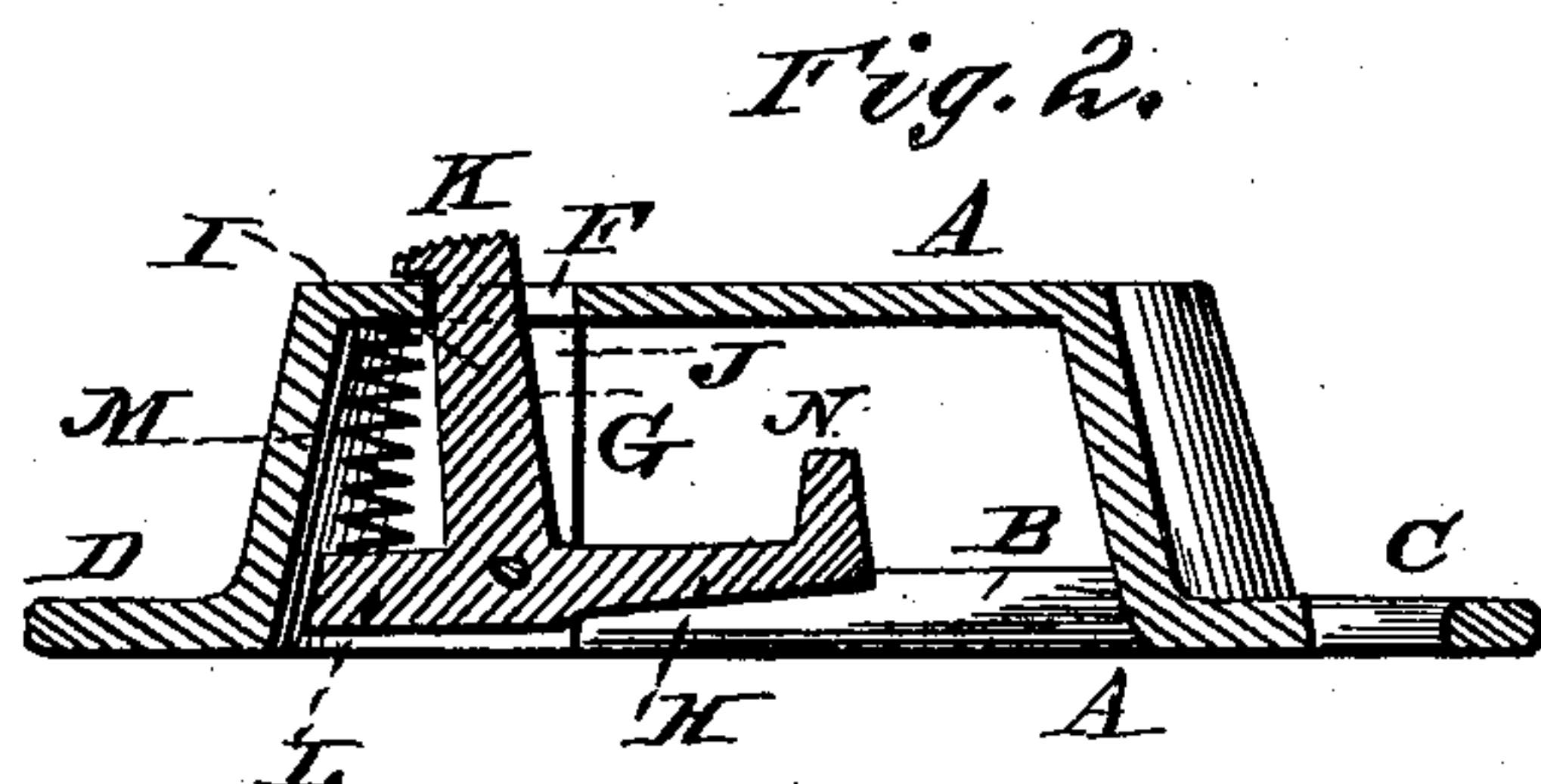
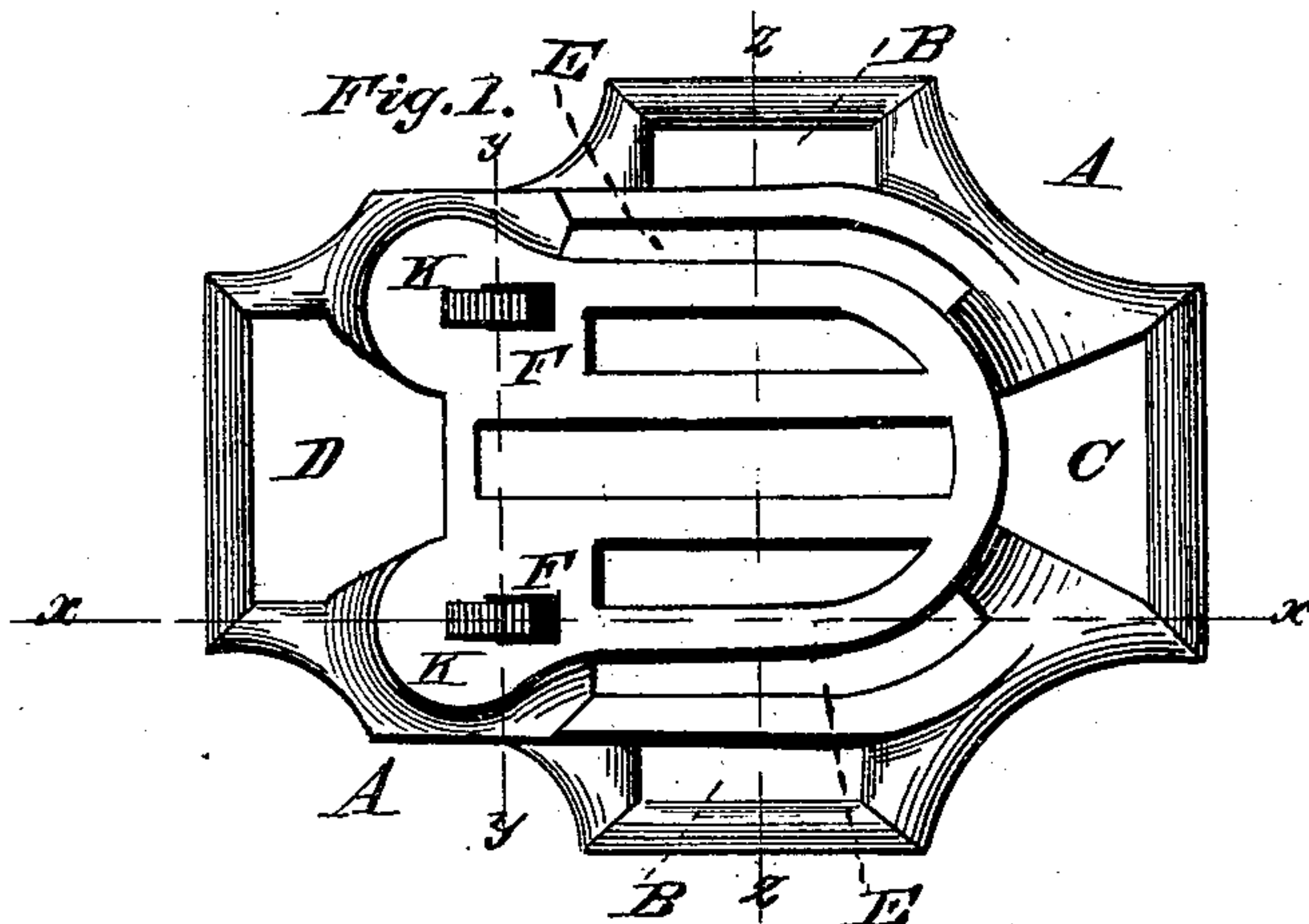


(Model.)

M. K. MARVIN.  
Trace Carrier.

No. 243,455.

Patented June 28, 1881.



WITNESSES

Wm. G. Dietrich,  
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INVENTOR

By his Attorneys

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# UNITED STATES PATENT OFFICE.

MELVIN K. MARVIN, OF WAYLAND, COHOCTON P. O., NEW YORK.

## TRACE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 243,455, dated June 28, 1881.

Application filed April 30, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, MELVIN KNOX MARVIN, of Wayland, Cohocton P. O., in the county of Steuben and State of New York, have invented certain new and useful Improvements in Trace-Carriers; 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 top plan of my improved trace-carrier. Fig. 2 is a longitudinal vertical section of the same on the line *x x*. Fig. 3 is a cross-section on the line *y y*, and Fig. 4 is a cross-section on the line *z z*.

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

This invention relates to trace-carriers for harness; and it consists of a metallic frame having spring-catches over which the cockeyes of the traces may be adjusted, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents a metallic frame of suitable construction, and provided at its sides and ends with loops or slots B B C D, for attachment, respectively, of the hip-straps, back-strap, and crupper-strap. The sides of the frame are provided with slots or openings E E, for the admission of the cockeyes. In the rear end of the frame, adjoining the slots E, are formed recesses or boxes F, in which angular or L-shaped levers G are pivoted, as shown, in such a manner that the long arms H of said levers shall project longitudinally in a forward direction, terminating centrally in front of slots E. The short arms I project upward through slots J in the

top of the frame, and are provided with serrated thumb-pieces K. The levers G are provided with rearward-projecting studs or plates L, between which and the tops of the recesses or boxes F suitable coiled springs M are interposed in order to retain in a horizontal position the long arms H of the levers, which are provided at their outer ends with studs or catches N, beveled upon their outer sides, as shown in Fig. 4 of the drawings.

In operation the cockeye is to be inserted through the slot E until it strikes the beveled stud N, thus depressing the front end of the lever-arm H and slipping over the stud, which is immediately again raised by the tension of the spring M upon the rear end of the lever, thus holding or retaining the cockeye securely in the frame. To remove the cockeye from the frame the front end of the lever may be depressed by operating the thumb-piece K.

This device is simple, convenient, and inexpensive, and will hold the traces, when unhitched, with absolute security.

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

As an improvement in trace-carriers, the frame A, having slots E E, boxes F, and slots J, in combination with the levers G, having beveled studs N, thumb-pieces K, and studs or plates L, and the springs M, all arranged and operating 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.

MELVIN KNOX MARVIN.

Witnesses:

J. TH. LICHINS,

HENRY A. WOOD.