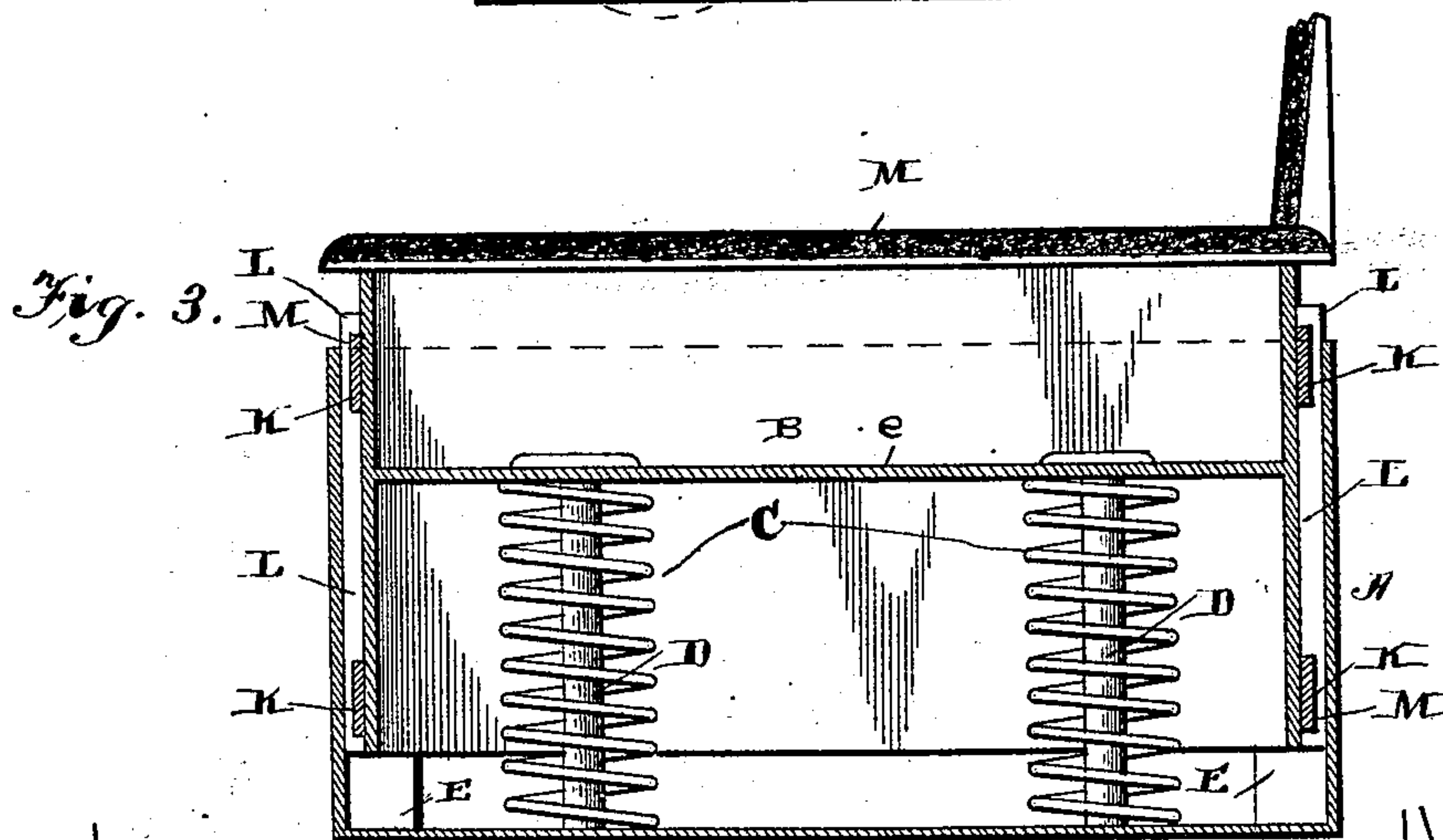
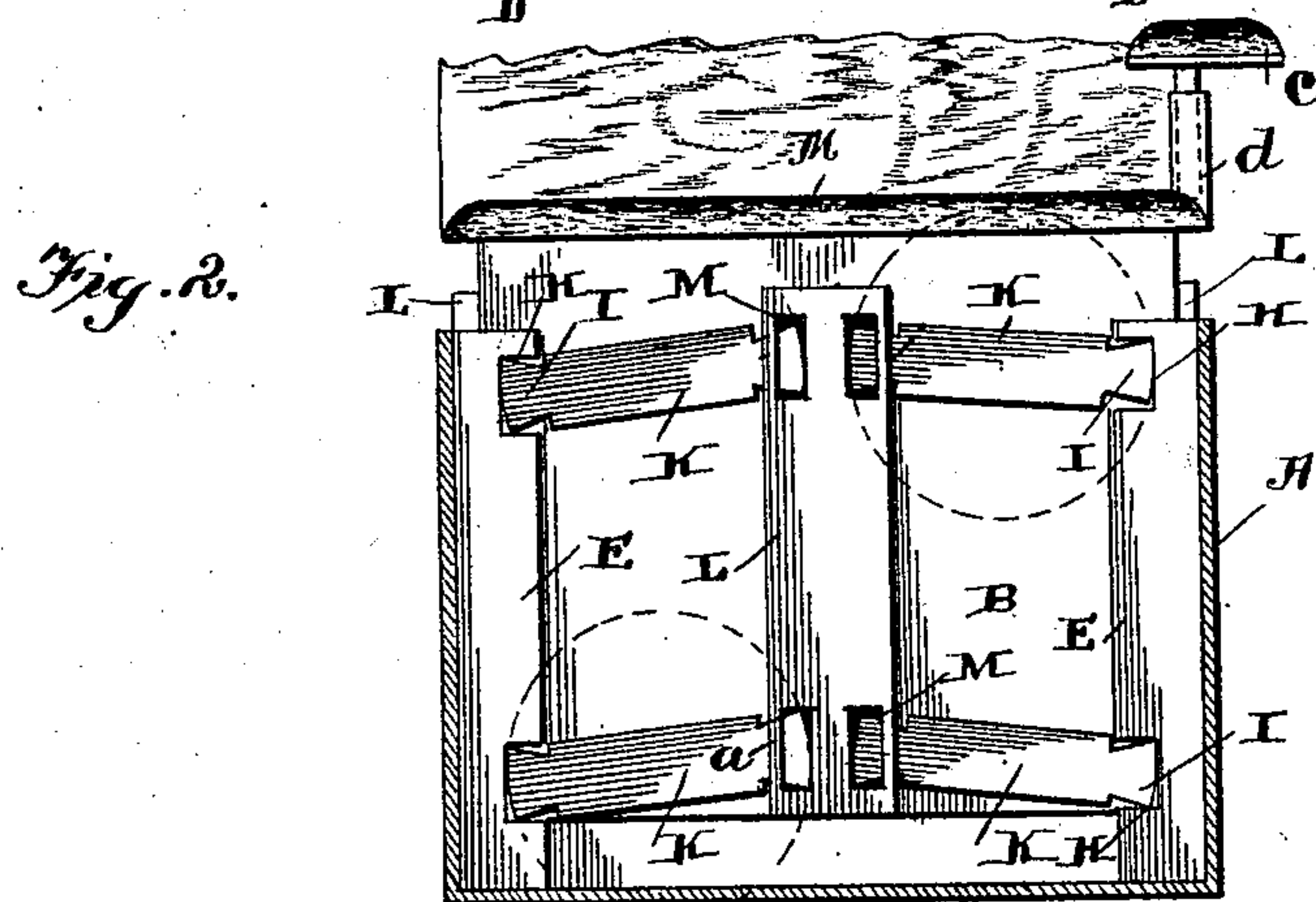
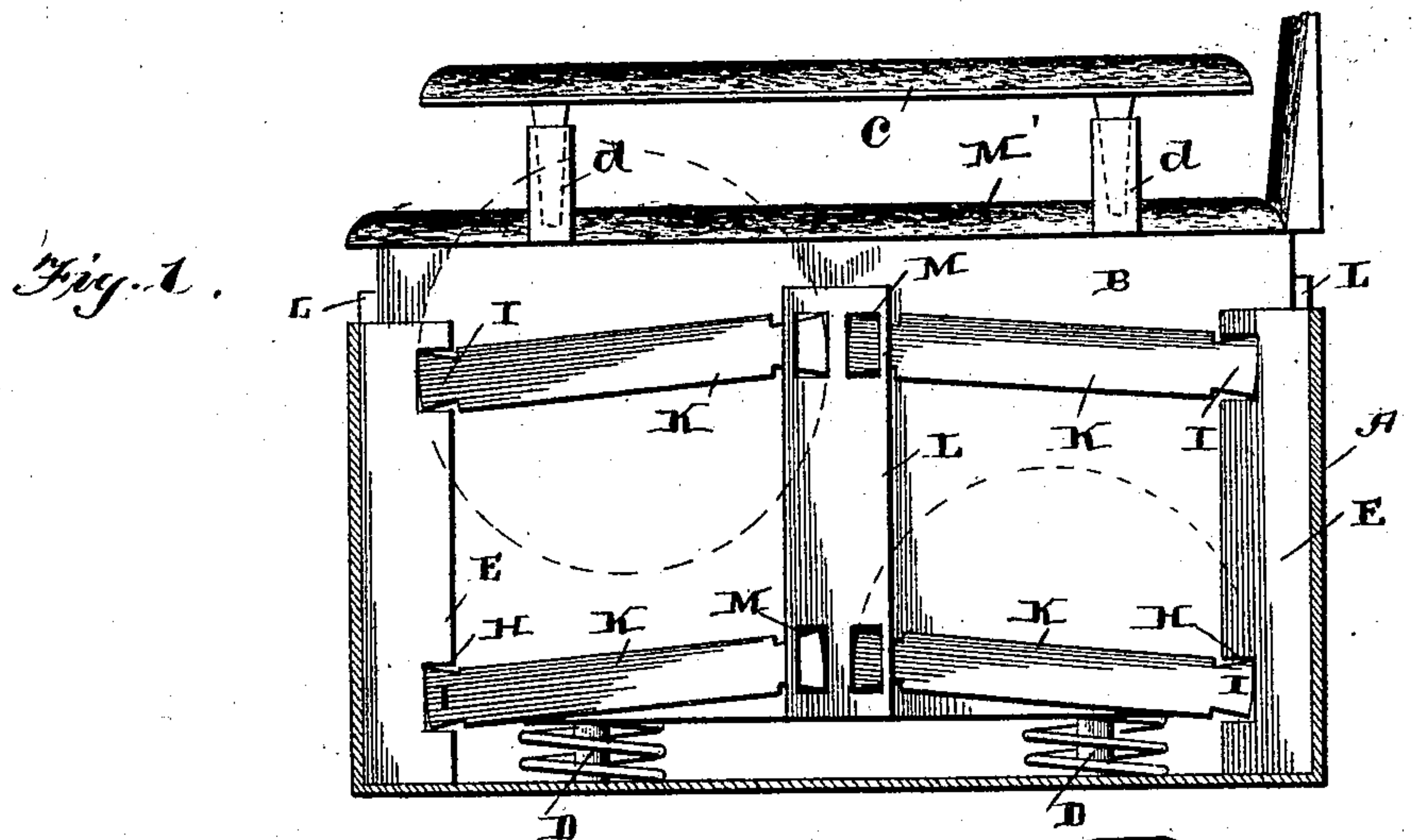


(No Model.)

O. L. BARRETT.
SEAT.

No. 522,142.

Patented June 26, 1894.



WITNESSES_

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UNITED STATES PATENT OFFICE.

OLIVER L. BARRETT, OF DALLES, OREGON.

SEAT.

SPECIFICATION forming part of Letters Patent No. 522,142, dated June 26, 1894.

Application filed September 19, 1893. Serial No. 485,835. (No model.)

To all whom it may concern:

Be it known that I, OLIVER L. BARRETT, of The Dalles, in the county of Wasco and State of Oregon, have invented certain new and useful Improvements in Seats; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to improvements in seats, and which will be fully described hereinafter and more especially referred to in the claims.

The object of my invention is to provide a seat for locomotive cabs, which is so constructed that while the same is permitted to have an easy and free up and down movement against the tension of suitable springs it is firmly held against any swinging, lateral or endwise movement.

In the accompanying drawings: Figure 1, is a side elevation of my invention, with the side removed, and in partial section. Fig. 2, is an end view of the same with the end removed, and in partial section. Fig. 3, is a longitudinal vertical sectional view of the same.

A indicates a rectangular box in which is placed a smaller box B, which box is supported upon springs C, which have their upper ends engaging the under side of the bottom *e*, and surround the rods D, and the rods D have their lower ends rigidly attached to the bottom of the box A and extend upward through the bottom of the inner box B, without engaging the same. Angle irons E are placed at the ends of the outer box A, and these angle irons are provided with the recesses H to receive the outer ends I, of the rocking arms K. Placed intermediate the sides and ends of the inner box are the vertical strips L, which are also provided with recesses M, similar to the recesses formed in the angle irons and these recesses receive the inner ends of the rocking arms. These rocking arms, as will be seen from Figs. 1 and 2, extend in opposite directions from opposite sides of these vertical strips, both at the ends and sides of the inner box B, and the ends of these arms are made rounding upon the arc of a

circle which if continued on around would make a roller, as indicated in dotted lines in Fig. 1, thus making substantially a roller bearing between the inner vertically moving box and the outer box A. Owing to this construction the box is permitted a free vertical movement upon bearings which are substantially roller, and yet held absolutely against either endwise or lateral movement, while it is permitted a free up and down movement, as will be readily understood. The sides of the boxes form a means for holding the ends of the rocking arms in their respective recesses.

Attention is called to the fact that the ends of the rocking arms are made dove-tail shaped, that is, cut away toward their centers, so that they are permitted to move freely within the recesses without having their upper edges engage the upper edges of the recesses.

Instead of forming the outer box solid, as here shown, it will be readily understood that the same may be made in skeleton form without departing from the spirit of my invention.

While I show two rocking arms at each side of the vertical strip, it will be readily understood that one arm at each side of the vertical strip will be sufficient, when the arms at the opposite sides or ends of the boxes are placed in the same horizontal plane. I prefer, however, to use the construction here shown, which will make it stronger, though I do not limit myself to the use of four arms for each side and each end, for as just stated two arms when placed as above described will make the invention quite satisfactory in operation. The upper end of the box B forms the seat, and is preferably provided with a removable cushion M of any desired form, preferably of fine curled hair, and the arm rests *c*, are placed in sockets *d*, so that the same may be removed to permit the cushion being placed in position, as the arm rests stand at right angles to the window.

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

1. A seat comprising an inner and an outer box or frame, rocking arms inside of the outer box and outside of the walls of the inner box and extending parallel with the ends and sides thereof, the respective ends of said arms

loosely engaging the corners of the outer box, and the centers of the ends and sides of the inner box, whereby the box carrying the seat is wholly supported against endwise and lateral movement by said arms, and supporting springs, substantially as described.

2. A seat comprising an inner and an outer box or frame, rocking arms extending along the sides and ends of and parallel with said boxes and of a length about equal to half of that of the boxes, the respective ends of said arms having rocking bearing surfaces loosely engaging respectively the outer and inner boxes or frames, whereby substantially roller bearings are provided between said boxes by the arms, and supporting springs substantially as shown.

3. A seat comprising an inner and an outer

box or frame, rocking arms extending along the sides and ends of and parallel with said boxes and of a length about equal to half of that of the boxes or frames, the respective ends of said arms having vertical curved bearing surfaces formed on the arc of a circle which engage respectively the outer and inner boxes or frames, whereby substantially roller bearings are provided and the seat held firm against lateral movements as it moves up and down, and supporting springs substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

OLIVER L. BARRETT.

Witnesses:

JAMES B. CONDON,
THOS. N. JULES.