

(Model.)

M. J. LAMPERT.

WATCH MOVEMENT HOLDER.

No. 351,871.

Patented Nov. 2, 1886.

fig. 1.

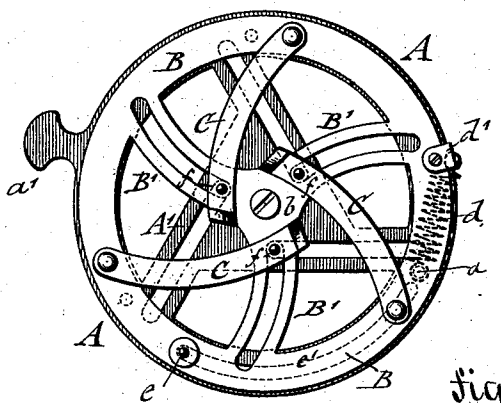


fig. 2.

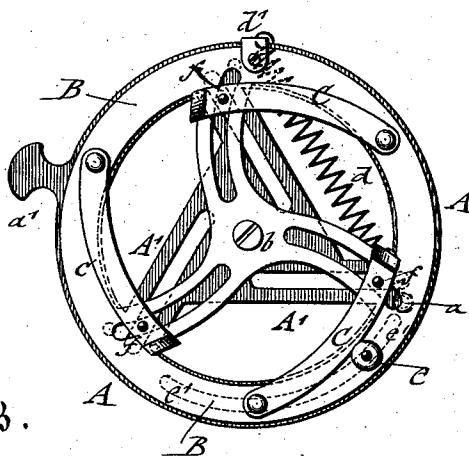


fig. 3.

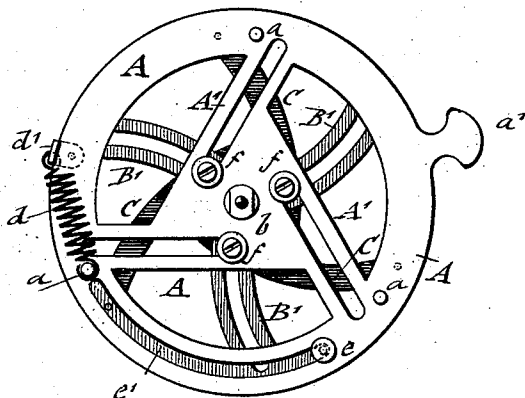
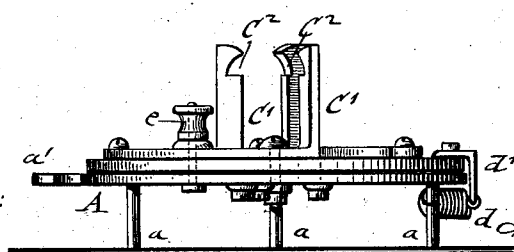


fig. 4.



WITNESSES:

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WATCH-MOVEMENT HOLDER.

SPECIFICATION forming part of Letters Patent No. 351,871, dated November 2, 1886.

Application filed June 12, 1886. Serial No. 204,940. (Model.)

To all whom it may concern:

Be it known that I, MICHAEL J. LAMPERT, of the city, county, and State of New York, have invented certain new and useful Improvements in Holders for Watch-Movements, of which the following is a specification.

This invention relates to an improved device for watch-makers' use by which watch-movements and parts of the same can be readily supported while cleaning or repairing the same; and the invention consists of a holder for watch-movements, composed of a lower frame having straight slots extending from a point near the center to the circumference, and of a second ring-shaped frame having arc-shaped slots extending from the center to the circumference, the second frame being connected to the lower supporting-frame by a center pivot, a spiral spring, and a clamping-screw. To the circumference of the upper frame are pivoted arms that carry at their inner ends upright standards with recesses at their upper ends, so as to form jaws for holding the movements, said arms being guided by studs in the straight and arc-shaped slots of the lower and upper frames, so that the jaws can be moved away from or toward each other when the upper frame is turned on the lower frame in one or the opposite direction.

In the accompanying drawings, Figures 1 and 2 represent top views of my improved holder for watch-movements, showing the same in different positions. Fig. 3 is a bottom view, and Fig. 4 a side view, of the same.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents the lower ring-shaped frame of my improved holder for watch-movements, and B the upper ring-shaped frame of the same. The lower frame, A, is provided with supporting-legs *a a* at three or more points of its circumference, and with an outwardly-extending handle, *a'*. The upper frame, B, is milled at its circumference, and connected with the lower frame by a center pivot, *b*, and a spiral spring, *d*, that is attached to a lug, *d'*, of the upper frame, B, and one of the legs *a* of the lower frame, A, so as to return the upper frame into its normal position on the lower frame. The two frames A and B are further connected by a clamping-

screw, *e*, which passes through a slot, *e'*, of the lower frame, A, and serves to adjust the two frames to any relative position to each other against the tension of the spring *d*. The lower frame, A, is further provided with slotted arms *A'*, that extend from a point near the center of the frame toward the circumference of the same, while the frame B is provided with slotted arc-shaped arms *B'*, said arms extending from the center to the circumference of the frame B, as shown in Figs. 1 and 2. The slotted arms *A' B'* of the frames A and B serve to guide the arms *CC*, which are pivoted to the circumference of the frame B, and provided with studs *f f*, that engage the slots of the arms *A' B'*. The arms *CC* carry at their inner ends upright standards *C'*, said standards having jaws *C''* at their upper ends, by which the movement or other part is supported.

By shifting the frame B on the frame A against the tension of the spring *d*, the jaws *C''* are moved in outward direction by the joint action of the slotted arms of the frames B and A into the position shown in Fig. 2. When the jaws have been adjusted to the diameter of the movement to be supported, the clamping-screw *e* is tightened and the movement held rigidly in position by the jaws. When the movement is to be removed, the clamping-screw is loosened and the movement released from the jaws by turning the frame B sufficiently so that they clear the movement, upon which the frame B is released, so that the spring *d* will return the same to its normal position, and with it the jaws to the inner ends of each of the slotted arms *B' A'*, as shown in Fig. 1. It will thus be seen that a movement of any size can be supported by the jaws of the holder in a quick and convenient manner, as all the jaws are adjusted at the same time and made to bind on the movement without requiring the adjustment of the individual jaws. A convenient device for holding watch-movements and other articles is thus obtained, to be used by watch-makers and others who have to handle and work on movements and parts of movements.

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

1. The combination of a lower ring-shaped frame having straight slotted arms extending

from a point near the center to the circumference, a ring-shaped upper frame pivoted to the lower frame and provided with curved and slotted arms extending from the center to the
5 circumference, arms pivoted to the circumference of the upper frame and provided with upright standards having jaws at the upper ends, and studs by which the pivoted arms are
10 guided in the slotted arms of the upper and lower frames, substantially as set forth.

2. The combination of a lower ring-shaped frame having supporting-legs and straight slotted arms extending from the center to near the circumference, an upper frame having
15 slotted arc-shaped arms extending from the center to the circumference of the same, a

spring connected to the upper and lower frames, a clamping-screw for clamping the frames after adjustment, arms pivoted to the circumference of the upper frame and provided 20 with upright standards having jaws, and screw-studs by which the pivoted arms are guided in the slotted arms of the ring-shaped frames, substantially as set forth.

In testimony that I claim the foregoing as 25 my invention I have signed my name in presence of two subscribing witnesses.

MICHAEL J. LAMPERT.

Witnesses:

PAUL GOEPEL,
SIDNEY MANN.