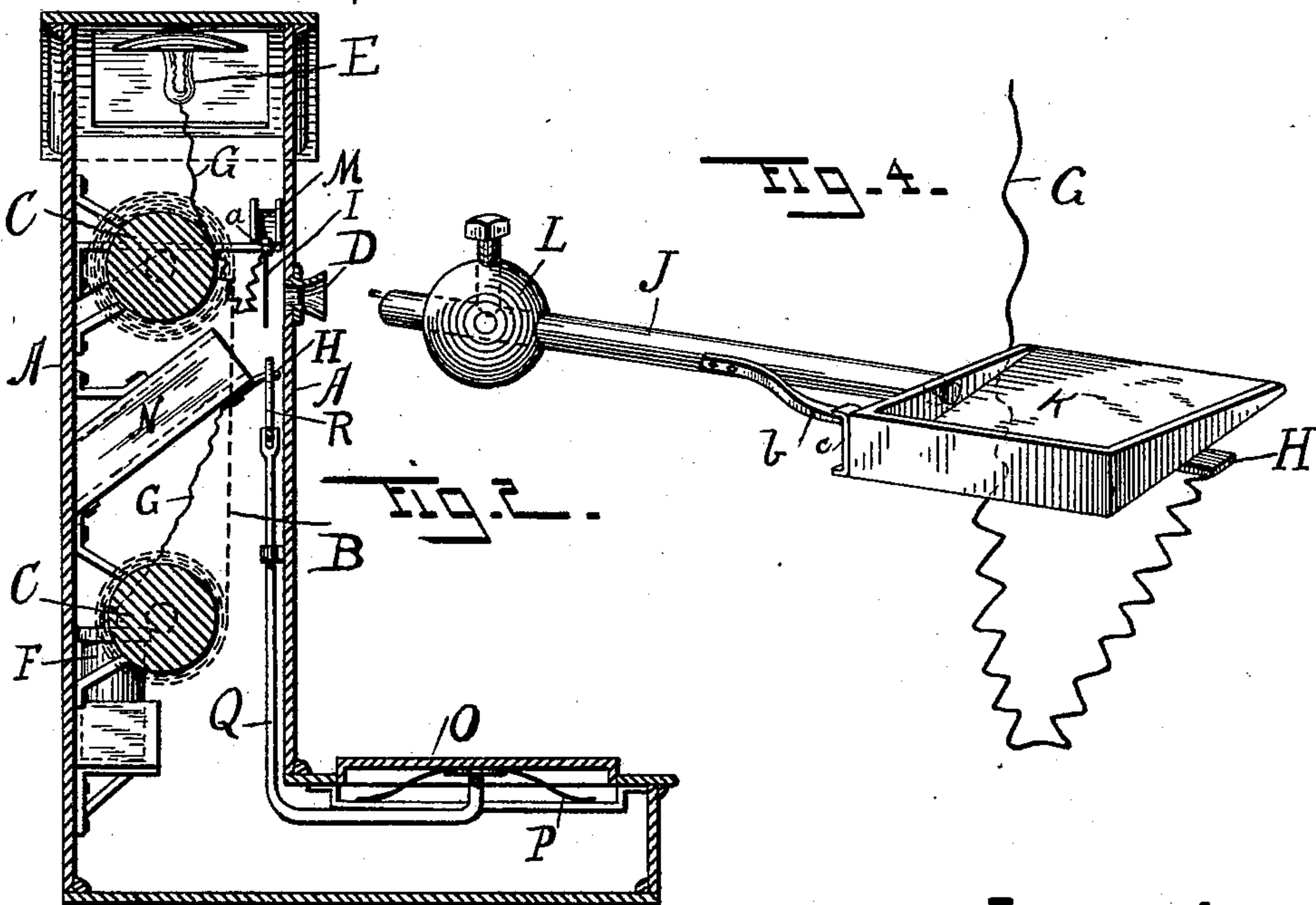
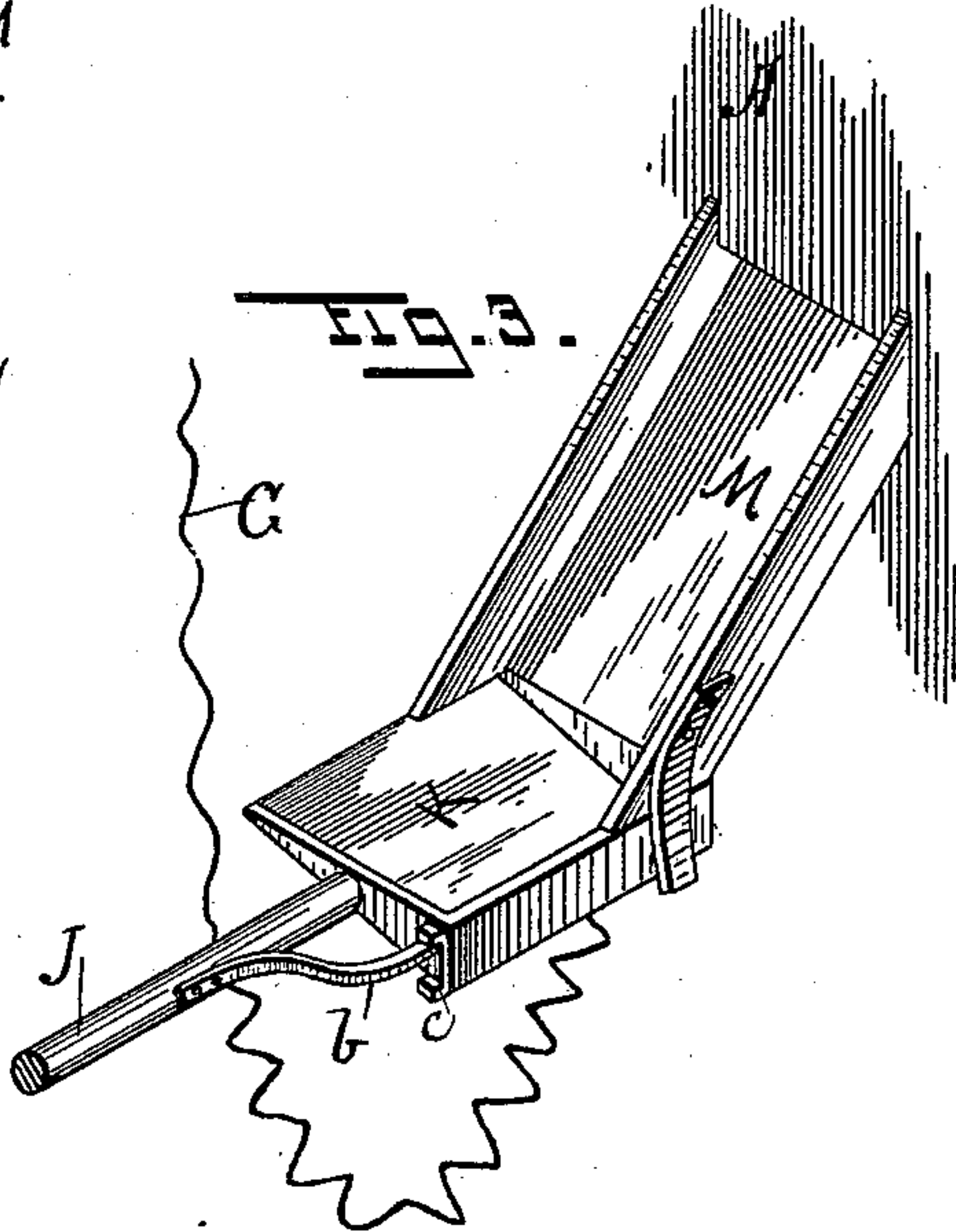
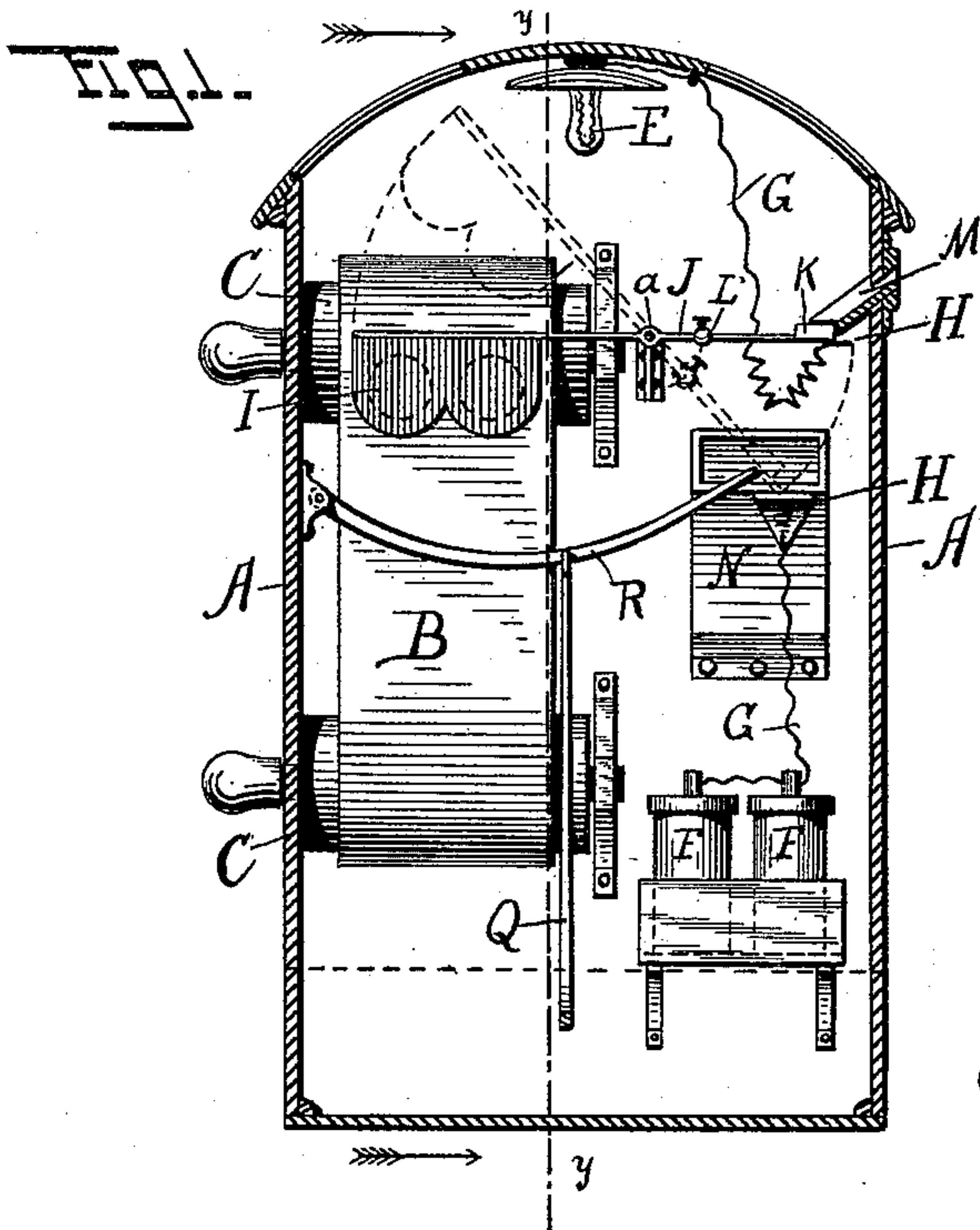


(No Model.)

F. EUPHRAT.
SIGHT EXHIBITING MACHINE.

No. 414,764.

Patented Nov. 12, 1889.



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERIC EUPIRAT, OF SAN FRANCISCO, CALIFORNIA.

SIGHT-EXHIBITING MACHINE.

SPECIFICATION forming part of Letters Patent No. 414,764, dated November 12, 1889.

Application filed February 14, 1889. Serial No. 299,818. (No model.)

To all whom it may concern:

Be it known that I, FREDERIC EUPHRAT, a citizen of the United States, and a resident of the city and county of San Francisco, in the State of California, have invented a new and useful Sight-Exhibiting Machine, of which the following is a specification.

My invention consists in a new kind of optical instrument constructed in such a manner that through the act of dropping a coin or the like into the apparatus a person, standing upon the platform of such apparatus, is enabled to see the pictures or other objects displayed within as long as desired, or until such person steps off the platform.

In order to carry out my invention, I provide my machine with one, two, or more lenses, such as are generally used in stereoscopes, panoramic devices, microscopes, picture-exhibitors, or other optical instruments; a platform or other suitable contrivance for receiving the person who intends to look through such lens or lenses; a movable covering interposed between the lenses and the pictures or objects to be viewed; an aperture through which a coin of predetermined size and weight may be dropped into the apparatus, and by means of an appropriate mechanism remove such covering and throw the rays of an electric light upon the scenes disclosed, and means for reversing such mechanism, shutting off the light, and bringing back the covering as soon as the observer leaves the platform.

The nature of my improvements and the manner in which I construct my invention are fully set forth in the following description, reference being had to the accompanying drawings, in which—

Figure 1 is a sectional elevation of my apparatus, disclosing the interior mechanism in a front view; Fig. 2, a vertical section of the same, taken on line *y y*, Fig. 1, looking in the direction of the arrow; Fig. 3, a broken perspective view of the coin-chute and coin-receiver; and Fig. 4, a detailed view in perspective of the coin-receiver and means connecting the same to the covering-lever and to the wires of the electric lamp.

Like letters indicate corresponding parts throughout all the views.

A represents the frame-work of the apparatus, which does not differ materially in appearance from those now in use. The pictures or objects to be viewed may be conveniently displayed upon a ribbon or endless belt B, wound around drums C C, journaled in suitable bearings. One or more eye-pieces D, provided with appropriate lenses and set in the face-board, allow one who has complied with the conditions hereinafter set forth to gaze upon the things exhibited.

Light may be supplied in several ways, but I prefer using an electric lamp E, which hangs from the top of the apparatus. This lamp is fed from a battery F at the bottom of the exhibitor, the electric current flowing through the wires G G when the connection-plates H H are brought into contact. A covering I is provided and disposed so as to rest directly opposite the eye-pieces and shut off the view from the objects within the machine when not in use. This covering may be removed in numerous ways—as, for instance, by folding, sliding, turning, or rolling; but I preferably raise it through the means of a tripping-lever J, fulcrumed at *a*. One end of the latter carries the covering just mentioned and the other a tilting tray or coin-receiver K. The heavier side of this receiver rests upon the check-finger *b*, always tending to reassume this position when tipped over. Stops *c c*, besides, confine the revolution of the tray within certain limits.

An adjustable counterpoise L permits to balance the lever J in such a manner that it will habitually lie in a horizontal plane, the covering I being lowered and the coin-receiver abutting against the chute M. The lever is, however, gaged so that the mere weight of a coin of a predetermined denomination will overbalance it and cause it to raise the covering, while the coin-receiver will be brought down close to the upper part of the money bag or box N, as shown in dotted lines in Fig. 1. By the same movement the connection-plates H H, referred to above—one of which is attached to the coin-tray and the other to the side of the money-box—are brought into contact, and the electric current established from the battery F to the lamp E. The covering I is brought back and the

light turned off by the following means: Upon the outside, directly in front of the exhibitor, I place a platform O, on which the spectators have to stand. This rests upon a spring P, which always tends to keep it raised. A push-rod Q is attached to the under side of the platform and extends within the body of the machine, where it is jointed to a swinging arm R. One end of the latter is hinged to one side of the frame-work, and the other brought in close proximity to the money-box N, into which it is adapted to dump the contents of the tray K, thus re-establishing the balance of the lever J and severing the connection of the plates H H.

The operation of my device is as follows: A person wishing to look at the pictures or objects displayed within the exhibitor steps upon the platform O, which bears down upon the push-rod Q, and thereby withdraws the swinging arm R from any possible contact with the lever J. If now a coin of the requisite denomination is dropped through the slit at the upper end of the machine, down the chute M, into the tray K, its weight will overbalance the lever J, the covering I will be raised, and the electric lamp lighted, as hereinbefore described. This will allow the observer to examine the pictures or objects exhibited in the machine. After these have been viewed, or as soon as the beholder steps off the platform, the latter is raised through the action of the spring P and the push-rod Q shoved back to its former position, carrying up the swinging arm R. In this movement the latter strikes the under side of the tray K, tipping it over and causing the coin deposited therein to slide into the money-box. This releases the tripping-lever J, which falls back to its horizontal position and drops the covering between the eye-pieces and the objects exhibited, as before. In the meantime the connection between the plates H H being disestablished the light is turned off while the coin-receiver reassumes its former position in readiness for the next exhibition.

It is manifest that in building my machine

numerous changes might be resorted to without departing from the spirit of my invention, and I therefore do not confine myself to the precise mode of construction nor to the particular form of mechanism hereinbefore described.

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

1. A sight-exhibiting machine having an aperture for receiving a coin, a tray or coin-receiver held by a tripping-lever, a money bag or box, a platform supported by a spring, and a mechanism connected with the same adapted to tilt said coin-receiver and dump its contents into said money-box, substantially as described.

2. A sight-exhibiting machine having an electric lamp, an electric battery, means adapted to connect said lamp with said battery, a platform supported by a spring, and a mechanism attached to the same fitted to disconnect said lamp and said battery, substantially as and for the purpose set forth.

3. In a sight-exhibiting machine, the lever J, holding the covering I at one end, the tray K at the other, and the adjustable counterpoise L, substantially as described.

4. In a sight-exhibiting machine, the tilting tray K, having the stops *c c*, and a connection-plate H, substantially as shown, for the purposes specified.

5. In a sight-exhibiting machine, the combination of the lever J, tray K, check-finger *b*, and stops *c c*, substantially as and for the purpose set forth.

6. In a sight-exhibiting machine, the combination of the platform O, spring P, push-rod Q, swinging arm R, lever J, covering I, and coin-tray K, substantially as and for the purposes set forth.

In witness whereof I have hereunto set my hand and affixed my seal.

FREDERIC EUPHRAT. [L. S.]

Witnesses:

A. H. STE MARIE,
A. S. PARÉ.