

(No Model.)

2 Sheets—Sheet 1.

N. T. SCOTT.  
MAGIC LANTERN.

No. 250,759.

Patented Dec. 13, 1881.

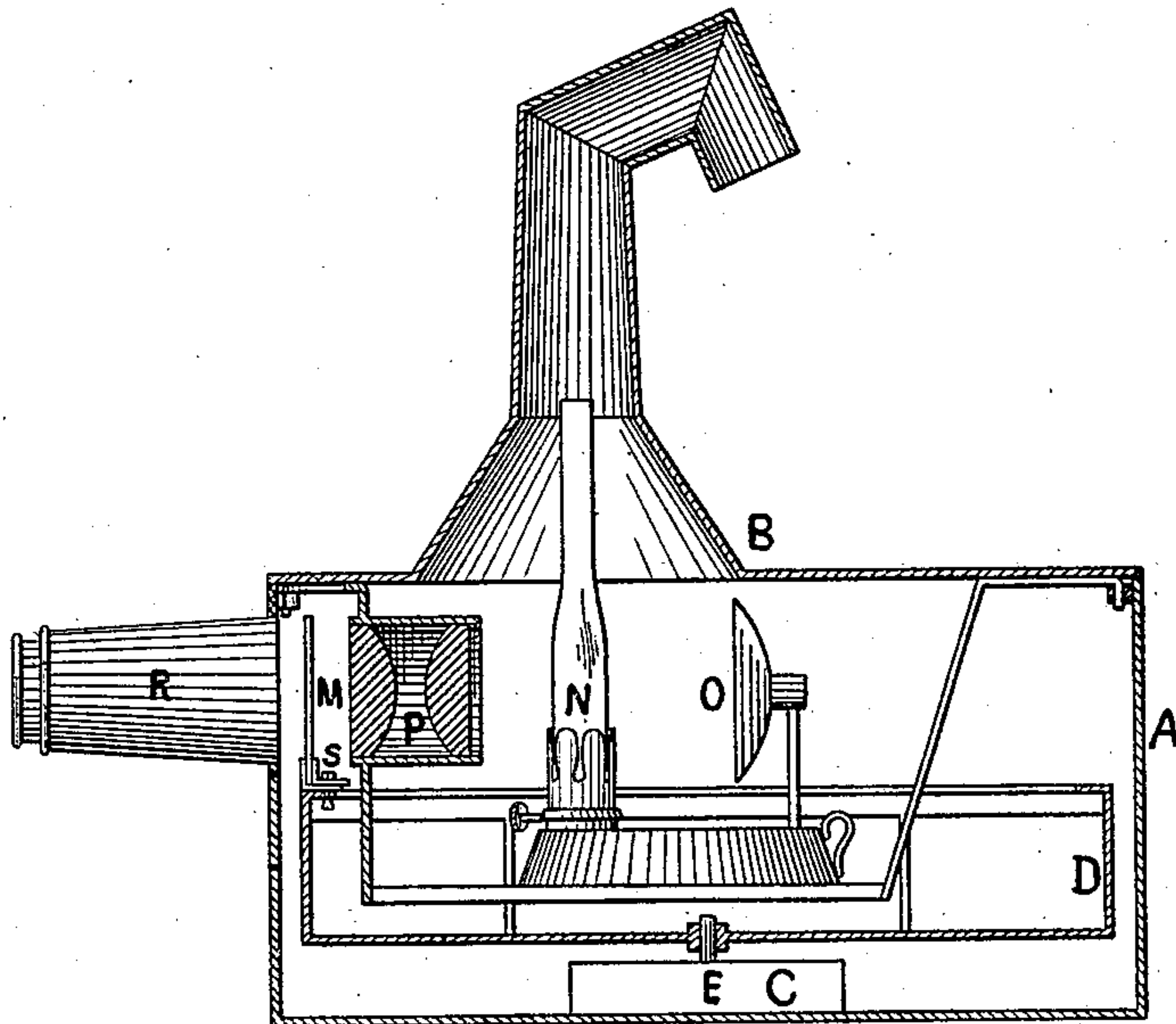


Fig. 1.

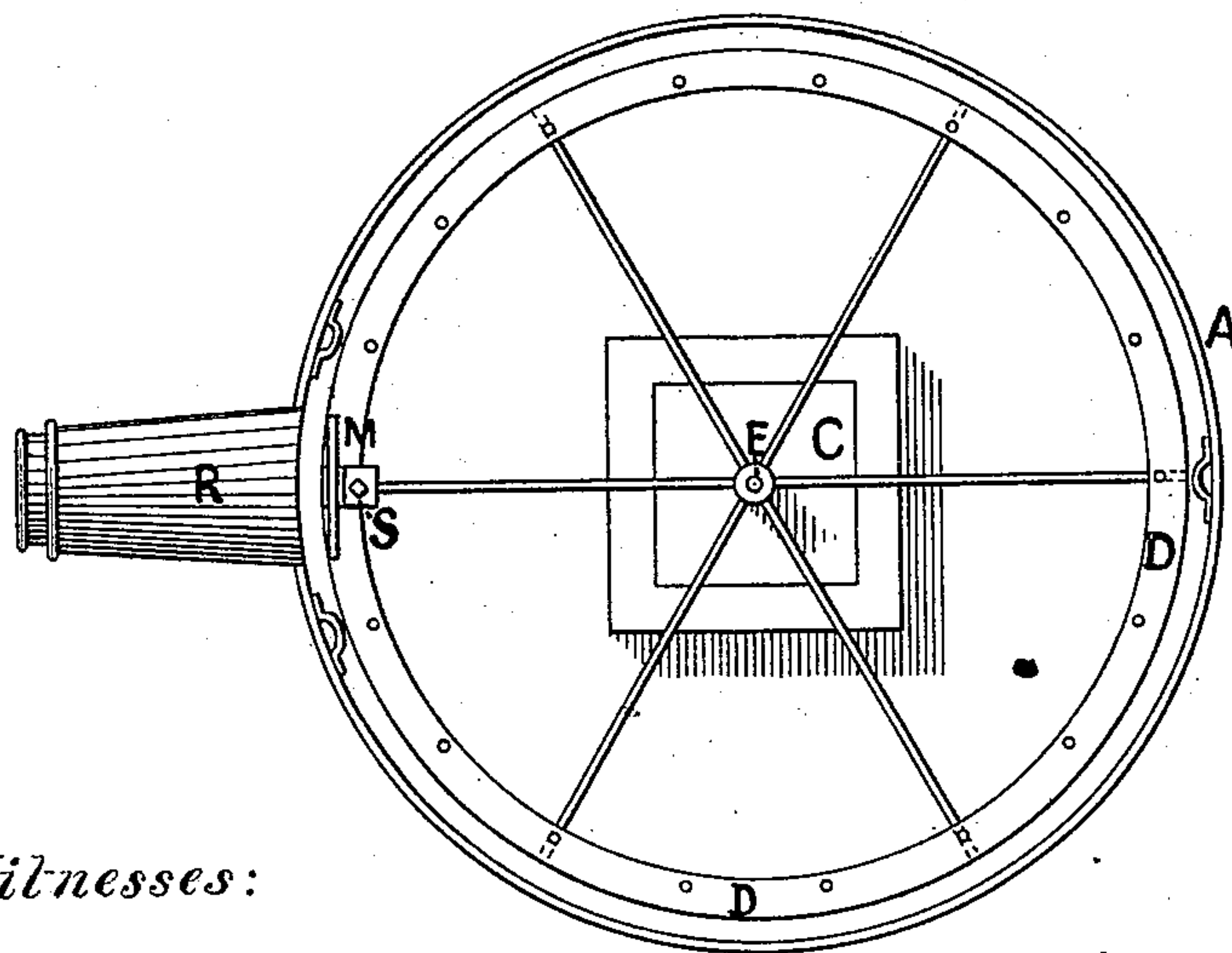


Fig. 2.

Witnesses:

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W. R. Marble

Inventor:

Nelson T. Scott

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Attorney

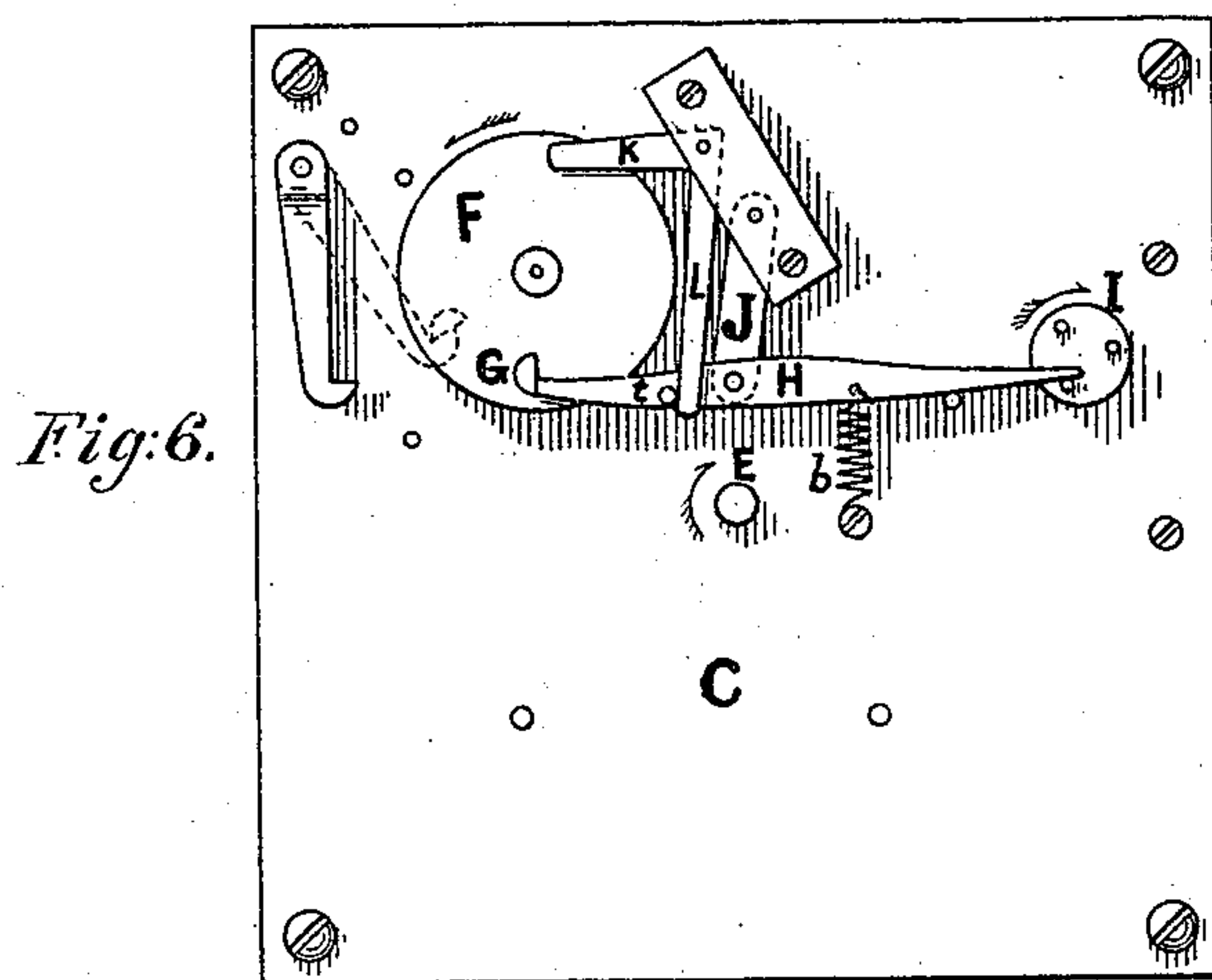
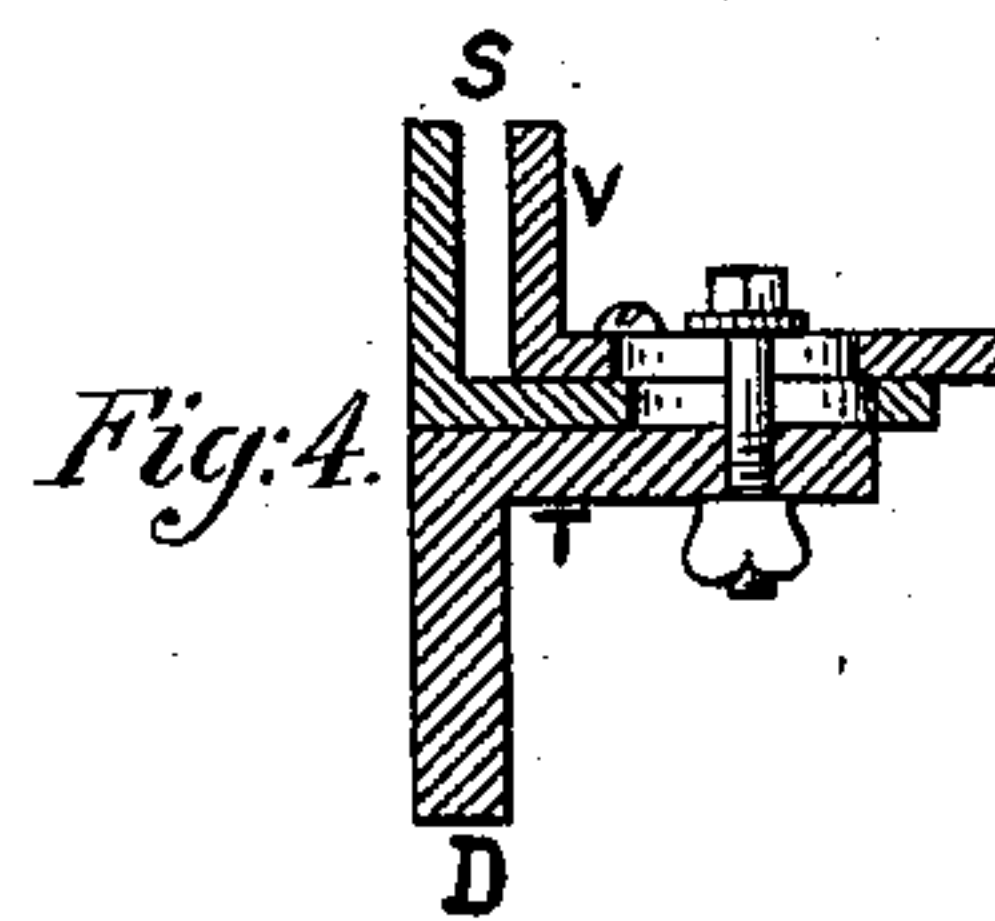
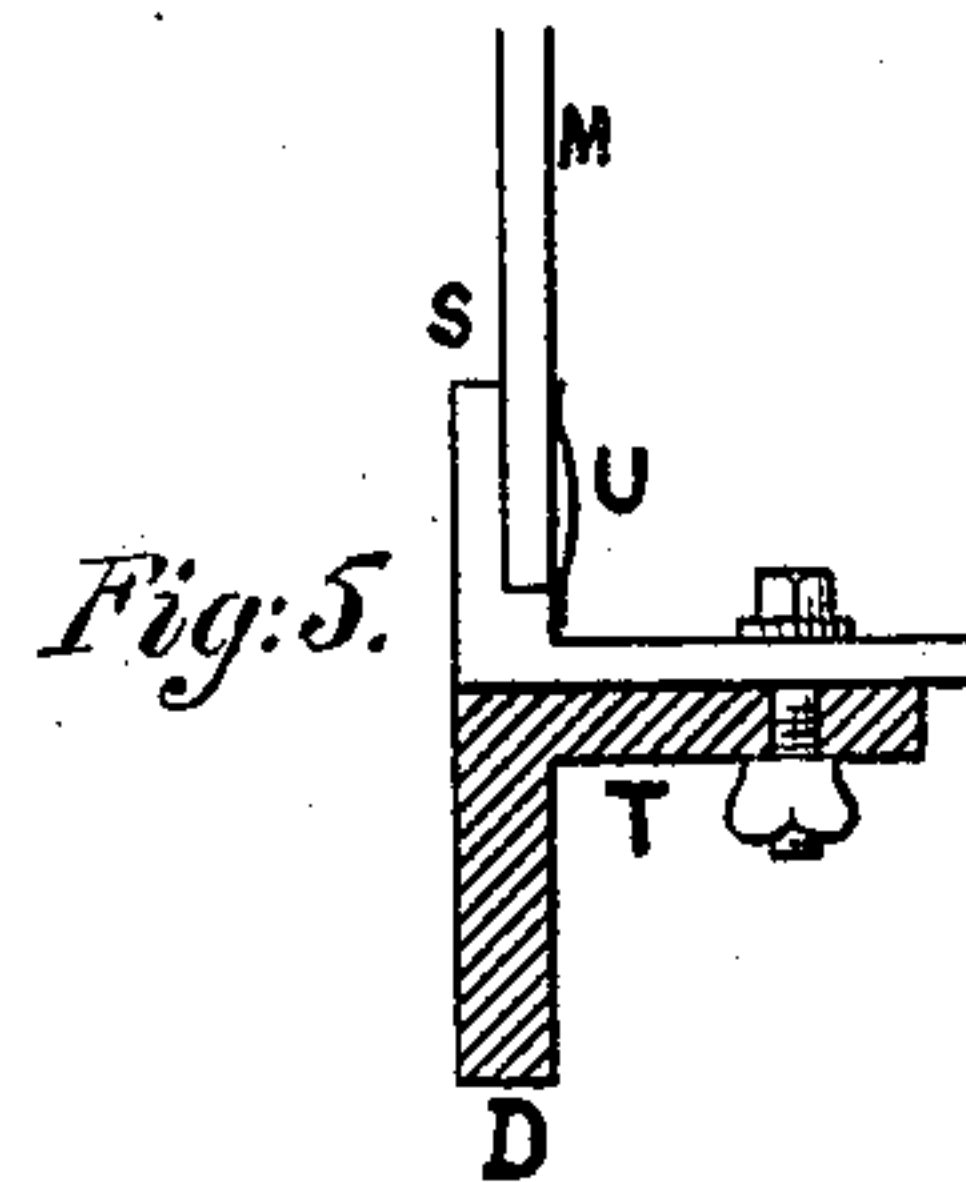
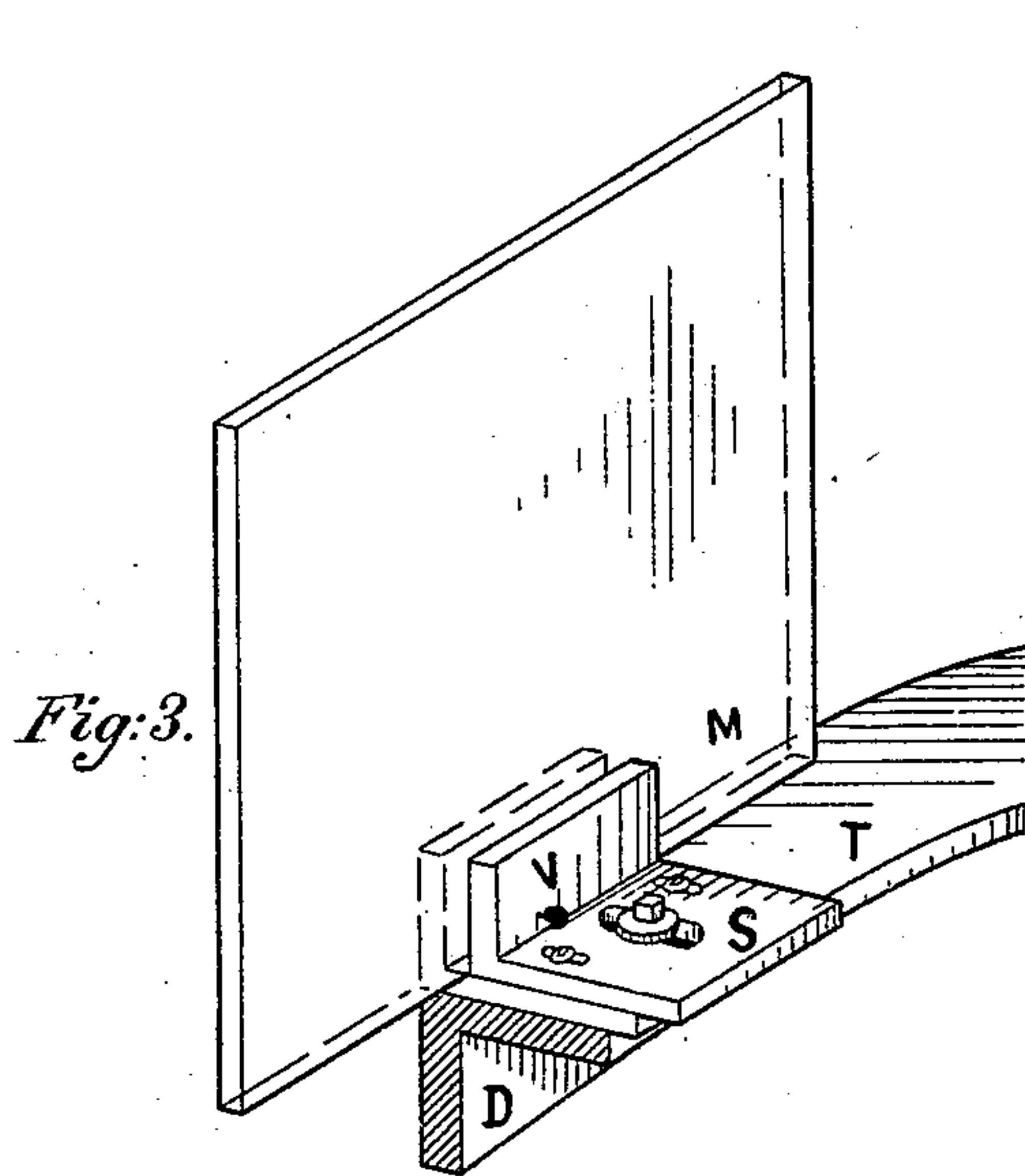
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2 Sheets—Sheet 2.

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Witnesses:

*E. C. Perkins*  
*W. R. Marble*

Inventor:

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# UNITED STATES PATENT OFFICE.

NELSON T. SCOTT, OF NEW YORK, N. Y.

## MAGIC LANTERN.

SPECIFICATION forming part of Letters Patent No. 250,759, dated December 13, 1881.

Application filed March 26, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, NELSON T. SCOTT, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Automatic Advertising Apparatus, of which the following is a specification.

The object of my invention is to provide an automatic advertising apparatus which may be wound up and illuminated by a "magic lantern" and placed in the window of a store or other desired place, so as to permit a shadow to be cast upon a screen or curtain inside of such window from the opaque letters painted or otherwise produced upon the glass, or transparent representation of a business-card or other attractive design intended to interest passers-by sufficiently to indelibly impress their memory with the novelty or attractive features caused by the intermittent movement of the succeeding views or pictures presented thereon; and it consists in the construction, combination, and arrangement of the several parts of the apparatus, as hereinafter more fully described and set forth.

Figure 1 represents a vertical section of an automatic advertising apparatus constructed according to my invention. Fig. 2 is a top-plan view with the hood removed. Fig. 3 is a perspective view of a detached portion of clamps for holding the glass upon which the lettering is formed. Fig. 4 is a vertical central section of the clamping device. Fig. 5 is a similar view of a modification of same. Fig. 6 is a plan view of the mechanism for imparting an intermittent rotative movement to the carrier sustaining the clamps.

A represents a circular sheet-metal case, to the top of which is fitted the removable cover and hood B, and within the bottom is centrally arranged and secured a base-block, C, containing a clock-movement to impart the desired intermittent rotative movement to the carrier-wheel D, which is provided with a vertical shaft or support, E, suitably journaled in connection with the said clock-movement, so as to receive driving-power and communicate a horizontal rotative intermittent movement to the said carrier-wheel D by means of the detent-wheel F, provided with a projection or stop, G, which contacts with one end

of the pivoted sliding horizontal lever H, the opposite end resting upon one of the pins in the escape-wheel I, which, having a rotary movement imparted to it in the direction of the arrow, carries forward this end sufficiently to free the opposite end, when the pivoted swinging connection piece or bar J permits it to swing and slide a short distance endwise or longitudinally by means of the pivoted right-angle arms K L, the latter one of which contacts with a pin, *t*, upon the said sliding lever H, when the opposite end or right-angle arm K is forced outward by contact therewith of the said stop G upon the said detent-wheel F, thereby permitting one revolution of said wheel F to be made at intervals, the spiral spring *b* returning the said lever H, whereby said mechanism imparts a slight rotative movement to the carrier-wheel D, so as to present the next glass or transparent (opaque lettered) card M in proper position to receive thereon the concentrated rays from the lamp or light N, which are directed through the condensing-lenses P by the reflector O, and thus cast a sharp-outlined shadow through the focusing-tube R of the desired letters or pictures contained upon any one of the series of glasses M upon a screen or white-cloth curtain, the opposite side of which may be viewed by the passer-by, so as to attract attention thereto by the intermittent movement or passing off of one view at the edge of such screen, while there comes dancing or vibrating into view from the opposite edge a different card or picture-shadow, which remains stationary or fixed for a few moments, when it as mysteriously disappears, on account of the said apparatus and means of operation being hidden from view by means of the screen or curtain, upon the opposite side of which the shadows are cast.

To facilitate the proper adjustment and focusing of the several advertising-glasses or transparent cards M, I construct a series of adjustable sliding or movable clamps, S, shown in Figs. 3, 4, and 5 as being attached or temporarily secured in position upon the upper surface of the horizontal annular flange T, provided upon the carrier-wheel D, said clamps S being constructed so as to either automatically adjust themselves to the thickness of the said glasses by means of a suitable spring, U, as

shown in Fig. 5, or by means of the sliding jaw V, provided with slots and set-screws, as shown in Figs. 3 and 4, either style of which may be employed and adjusted circumferentially upon the said carrier-wheel D by means of an oblong hole or slot and a suitable screw-bolt and thumb-nut, as shown. Said adjustment may be effected through an opening formed in the outer case, A, beneath the focusing-tube R, and closed by a suitable slide or door, as desired.

Having thus described my invention, what I claim is—

1. In combination with the rotary carrier-wheel D, the adjustable clamps S, provided

with the sliding jaw V, having slots and set-screws, as described, substantially as and for the purposes set forth.

2. In combination with the carrier-wheel D, the detent-wheel F, provided with a stop, G, the pivoted sliding lever H, connecting-bar J, right-angle pivoted arms K L, and escape-wheel I, whereby the rotary movement of said carrier-wheel is rendered intermittent, substantially as described, as and for the purposes set forth.

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Witnesses:

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