(No Model.)

W. A. FRIED.

STEREOSCOPE.

No. 597,520. Patented Jan. 18, 1898.

Fig 1

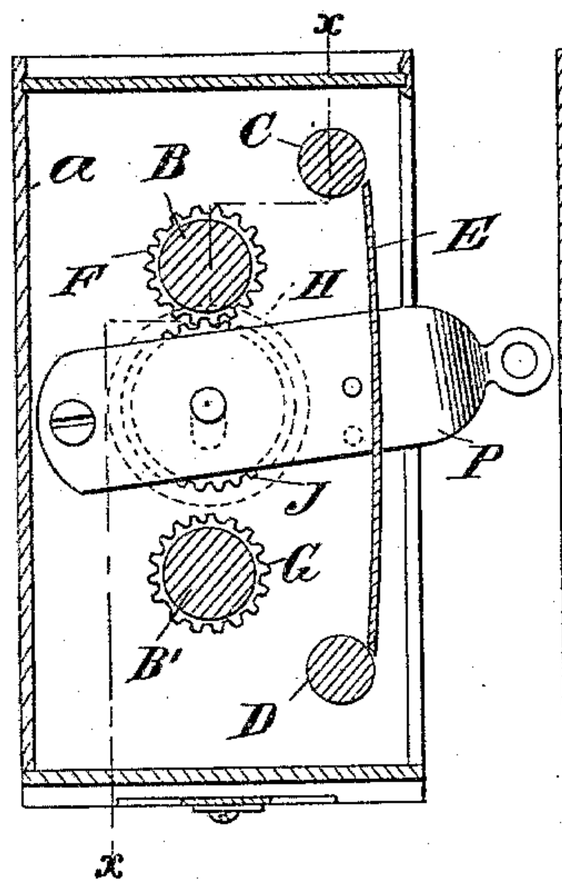


Fig 2

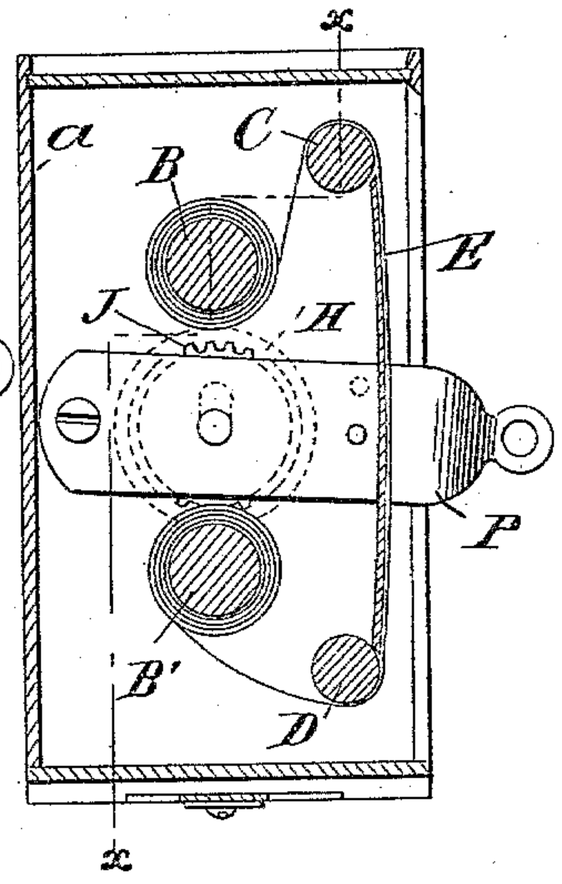


Fig 3

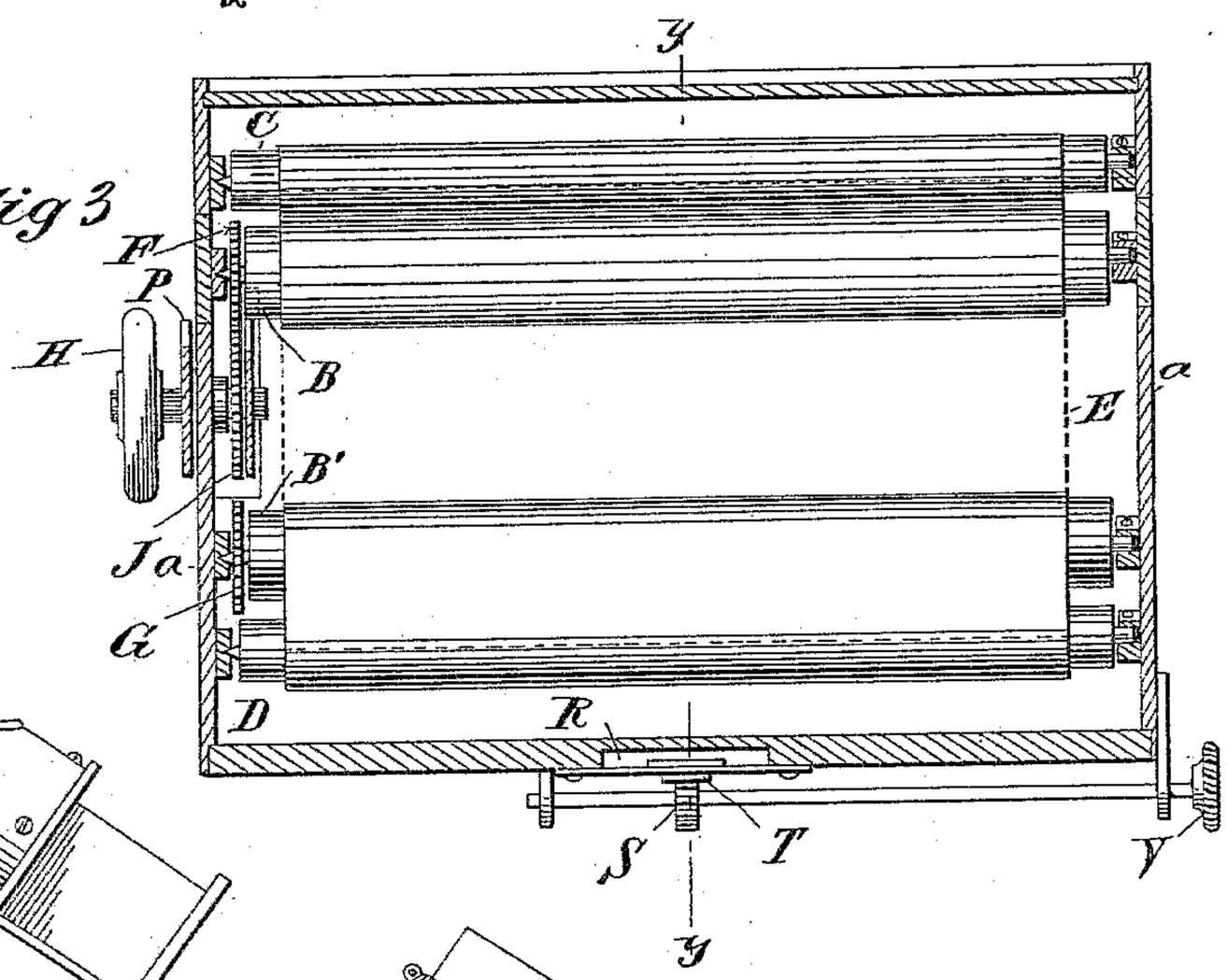
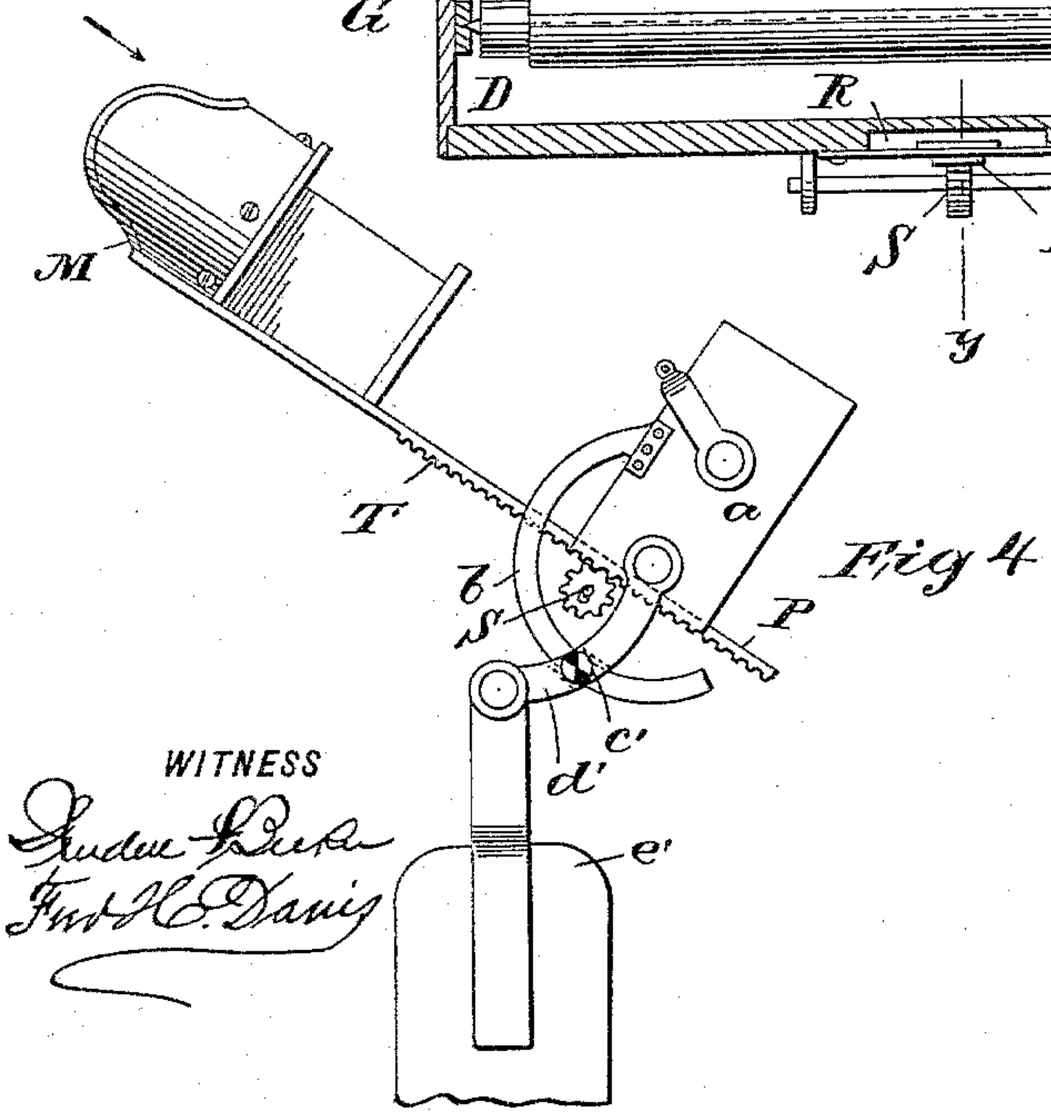


Fig 4



WITNESS

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WILLIAM ALLAN FRIED, OF HAMBURG, GERMANY.

STEREOSCOPE.

SPECIFICATION forming part of Letters Patent No. 597,520, dated January 18, 1898.

Application filed October 5, 1896. Serial No. 607,892. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ALLAN FRIED, of Hamburg, in the German Empire, have invented a new and useful Stereoscope with Movable Views, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a stereoscope with changing views, in which the inconvenience of insertion of fresh views is entirely obviated and new scenes are continually brought before the eye of the spectator, the object of the invention being to improve the mounting and operation of the apparatus.

My invention will be clearly understood from the following description and from reference to the accompanying drawings.

Figure 1 is a sectional view on the line *y y* of Fig. 3 with the strip of views omitted. Fig. 2 is the same view with the strip of views in position for being fed over rollers. Fig. 3 is a longitudinal section on the line *x x* of Figs. 1 and 2. Fig. 4 is a side elevation of the instrument and its mounting.

This invention consists, essentially, of an adjustable stand *e'*, Fig. 4, supporting a rectangular box *a*, in which are mounted the two rollers or reels B B' for the stereoscopic views, which may be on ordinary photographic paper, strengthened by linen, or on celluloid or other film. At the open front side of the box the strip extends over two guiding-rollers C and D and a protecting-shield E inserted in the back. The convenient reversal of the rotation of the rollers B B' is effected by connecting or disconnecting the respective gears F G, which may thus mesh at will with a cog-wheel J, arranged to be turned by handle H on the side of the box. According to the position of the cog-wheel J it may be made to engage with either of the winding-rollers B B' and the direction of the movement of the passing pictures or views may be thus reversed.

The box *a* is mounted on the head of a suitably-heavy stand *e'* so as to revolve. The slide P of the stereoscope, Fig. 4, passes through a slot R, Fig. 3, on the bottom of the box *a*, by which means the lens-holder M, Fig. 4, is attached to the box *a*, and thus to the stand *e'*, the box *a* in this way forming the view-holder of the stereoscope. Both the box *a* and the lens-holder M are in this way held firmly while the spectator is observing or changing the views. The lens-holder M and its slide P can be moved backward and forward in the slot R on the bottom of the box *a* in order to focus the apparatus to suit the eyesight of the spectator by means of a rack T, fastened to the bottom of the shaft P of the stereoscope M, and of a pinion S, Fig. 3, with a hand-knob fastened to the bottom of the box *a*. In order to fix both the lens-holder M and the box *a* in any desirable angular position, an arc-shaped or segmental piece *b* may be provided on the box *a*, Fig. 4, adjustably fixed upon the arm *d'* of the stand *e'* by means of a set-screw *c'*.

What I claim, and desire to secure by Letters Patent of the United States of America, is—

In a stereoscope, the combination with a base, a supporting-arm rotatable upon said base, a picture and lens support pivoted to said arm, a segmental arm fixed to said support and passing through an aperture in the supporting-arm, and a set-screw for clamping said segmental arm in any adjusted position with relation to the supporting-arm, substantially as set forth.

In witness whereof I hereunto set my hand in presence of two witnesses.

WILLIAM ALLAN FRIED.

Witnesses:
JAMES HOLLIDAY,
GUSTAV WELICK.