No. 722,851. PATENTED MAR. 17, 1903.

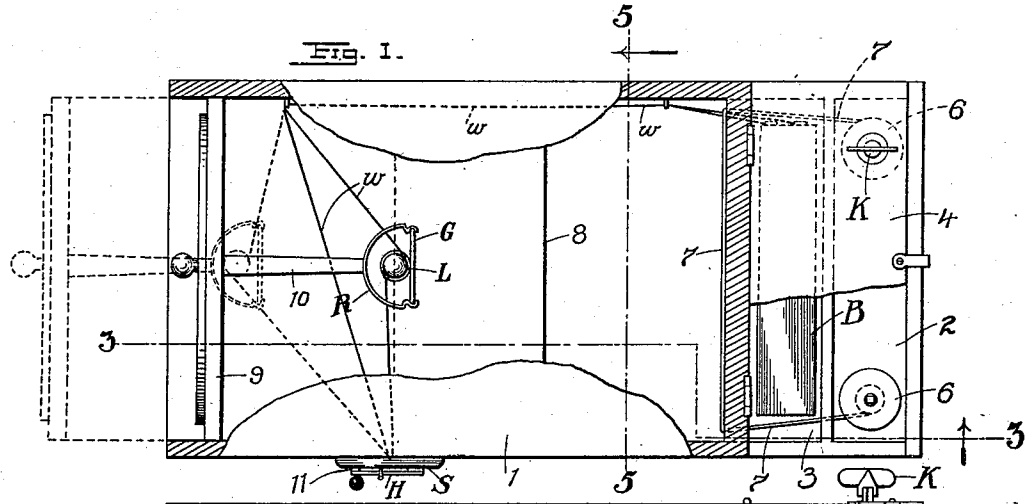
D. E. KIRKPATRICK & I. A. DRYDEN.

STEREOSCOPE.

APPLICATION FILED JAN. 23, 1903.

NO MODEL.

Fig. 1.



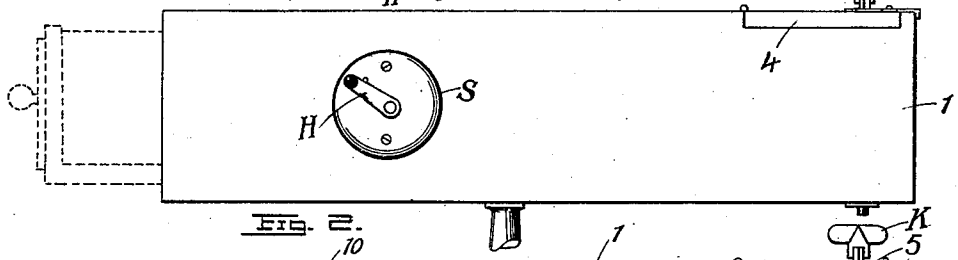


Fig. 2.

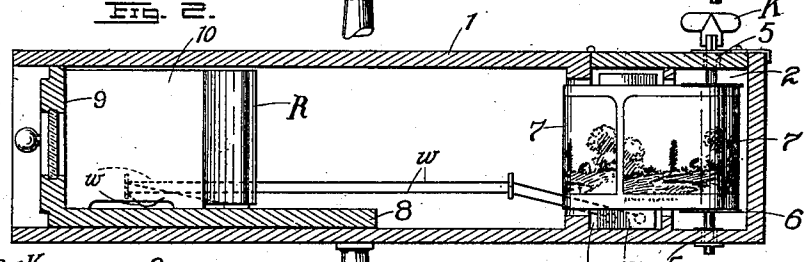


Fig. 3.

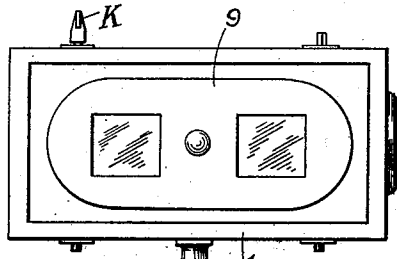


Fig. 4.

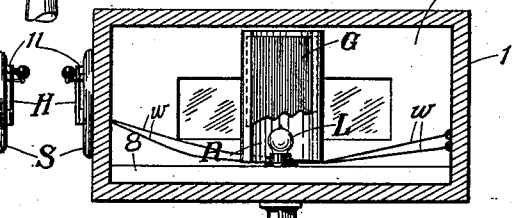


Fig. 5.

WITNESSES:

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UNITED STATES PATENT OFFICE.

DWIGHT E. KIRKPATRICK AND ISAAC A. DRYDEN, OF ST. LOUIS, MISSOURI.

STEREOSCOPE.

SPECIFICATION forming part of Letters Patent No. 722,851, dated March 17, 1903.

Application filed January 23, 1903. Serial No. 140,299. (No model.)

To all whom it may concern:

Be it known that we, DWIGHT E. KIRKPATRICK and ISAAC A. DRYDEN, citizens of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Stereoscopes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

Our invention has relation to improvements in stereoscopes; and it consists in the novel arrangement and combination of parts more fully set forth in the specification and pointed out in the claims.

In the drawings, Figure 1 is a top plan of the device with parts broken away. Fig. 2 is a side elevation thereof. Fig. 3 is a vertical section on line 3 3 of Fig. 1. Fig. 4 is a rear end view; and Fig. 5 is a transverse section on line 5 5, of Fig. 1.

The object of our invention is to construct a stereoscope in which the prevailing and usual photographic card-mountings shall be replaced by a traveling web on which the pictures are mounted, one which shall make special provision for lighting the pictures, one which shall provide variously-colored light to be reflected on the web, and one possessing further and other advantages better apparent from a detailed description of the invention, which is as follows:

Referring to the drawings, 1 represents a casing or receptacle having a forward terminal compartment 2 and an adjacent compartment 3, closed by a lid 4. The base of the compartment 2 and the lid 4 are provided with pairs of openings 5 5 for the reception of the spindles of the spools 6 6, upon which the picture-carrying web 7 is wound, the web passing from one spool to the other (depending on which spool is actuated) over the rear wall of the compartment 3. The upper ends of each spool are polygonal, so as to accommodate the socket of a key K, by which rotation in proper direction may be imparted first to one spool and then the other, thus making the web travel first in one direction and then the other. The compartment 3 is designed to receive a dry battery B, from which lead wires *w*, respectively, to a suitable switchboard S, mounted on the side of the receptacle and to an incandescent lamp L, mounted on a platform or bracket 8, forming a part of the adjustable lens-frame 9 and resting on the bottom of the receptacle. Projecting forwardly from the lens-frame between the lenses is an arm 10, to which is secured a reflector R, occupying a position directly in front of the lamp L, the free edges of the reflector being provided with grooves or ways for the reception of the plates of colored glass G, whereby the character of ray cast by the reflector onto the web may be varied at pleasure. By turning the switch-handle H against the contact-button 11 the circuit is closed and the lamp lighted, as is obvious.

We do not, of course, wish to be limited to the details here shown, as these may be departed from without affecting the nature or spirit of our invention.

Having described our invention, what we claim is—

1. A stereoscope comprising a suitable casing or receptacle, a terminal compartment at the forward end of the same, a second compartment adjacent thereto, a lid closing the compartments, spools mounted in the terminal compartment between the base thereof and the lid, a web for said spools traveling over the rear wall of the second compartment, said second compartment being adapted to hold a suitable battery, a lens-frame, a platform carried thereby and having an electric lamp mounted thereon, a reflector secured to the lens-frame, and means for securing a colored glass plate to the reflector, substantially as set forth.

2. In a stereoscope, a lens-frame, a platform carried thereby, an arm located between the lenses and projecting forwardly therefrom, a reflector secured to said arm, and grooves or ways at the free edges of the reflector for the reception of a glass plate, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

DWIGHT E. KIRKPATRICK.
ISAAC A. DRYDEN.

Witnesses:
EMIL STAREK,
W. C. KILLEEN.