

UNITED STATES PATENT OFFICE.

JAMES LEE, OF NEW BRIGHTON, NEW YORK.

IMPROVEMENT IN COMBINED STEREOSCOPES AND GRAPHOSCOPES.

Specification forming part of Letters Patent No. **177,527**, dated May 16, 1876; application filed December 4, 1875.

To all whom it may concern:

Be it known that I, JAMES LEE, of New Brighton, Richmond county, New York, have invented a new and Improved Combined Stereoscope and Graphoscope, of which the following is a specification:

Figure 1 is a side view of my improved instrument, parts being broken away to show the construction; and Fig. 2 is a detail section taken through line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to improve the construction of combined stereoscopes and graphoscopes, so as to make them more convenient in use, less liable to be accidentally broken, and less expensive in manufacture.

The invention consists in the combination of the spring-catch and its pin with the bed-plate and the hinged lens-holder; in the combination of the lugs or flanges and the pins or screws with the lens-holder and the wings or shields, for hinging the said wings to the lens-holder; and in the combination of the case and one or more drawers with the base of the instrument, as hereinafter fully described.

A represents the bed-plate of the instrument, which is hinged at one end to the base B, and is provided with a hinged supporting-prop and ratchet-bar, in the usual way. C and D are the holders for the pictures, the higher one, D, of which is hinged at its lower edge, so that it may be turned down upon the other holder, C, when not required for use. E is the holder for the lens F, which is hinged at its lower edge to the bed-plate A, so that it may be turned down upon said bed-plate when not required for use. G is a spring, attached to the bed-plate A in such a position that the lens-holder E, when raised to an upright position, may strike against it, and may be stopped in the proper position. In the upper part of the spring G is formed a hole to receive a pin,

H, attached to the lens-holder E, to fasten it in position. By this construction, as the lens-holder E is raised into an erect position it is caught and held by the spring-catch G, and is thus not liable to fall back and mar the instrument or break the lenses. I are the wings or side shields to keep the light from the eyes when using the instrument. The wings are hinged to and between lugs or flanges J, attached to the lens-holder E by pins or screws K, that pass through said lugs or flanges and enter the edges of the said wings I, as shown in Figs. 1 and 2. This mode of hinging the wings I is very simple and inexpensive, and allows the said wings to be closed against the lens-holder E.

The base B of the instrument is attached to the top of a case, L, which is provided with one, two, or more drawers, according to the size of the instrument, which drawers are designed as receptacles for pictures to be viewed. This improvement renders it unnecessary to place the pictures in the base B beneath the bed-plate A, where they are liable to be injured by the prop of said bed-plate, and where there is room for very few pictures.

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

1. The combination of the spring-catch and pin G H with the bed-plate A and hinged lens-holder E, substantially as herein shown and described.

2. The combination of the lugs or flanges J and the pins or screws K with the lens-holder E and the wings or shields I, for hinging the said wings to the said lens-holder E, substantially as herein shown and described.

JAMES LEE.

Witnesses:

JAMES T. GRAHAM,
T. B. MOSHER.