

E. K. Page,

Stereoscope.

No. 104,990.

Patented July 5, 1890.

Fig. 3.

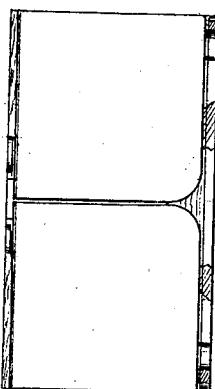


Fig. 1.

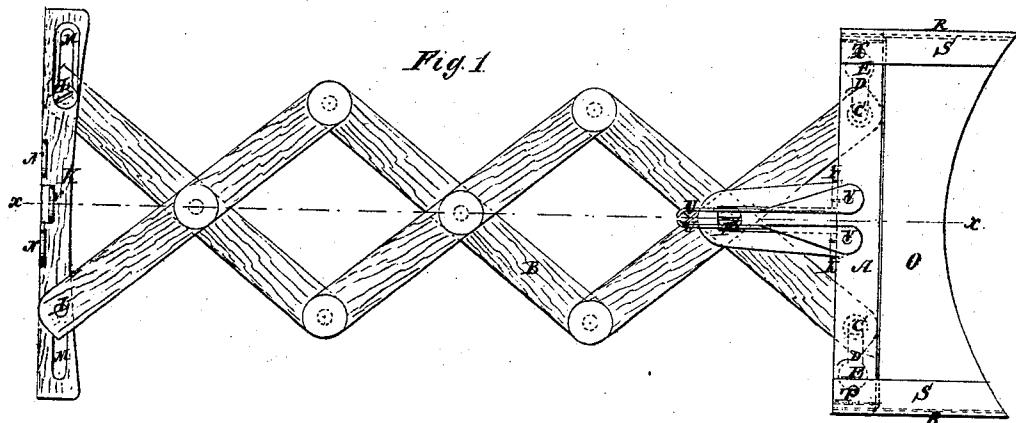
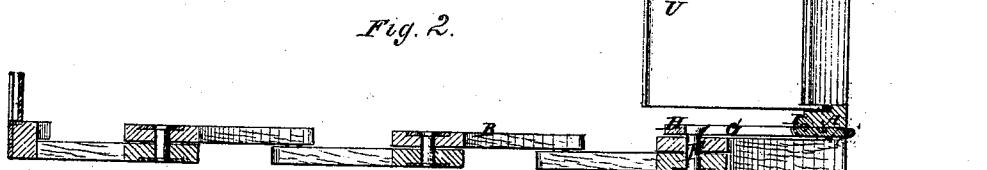


Fig. 2.



Witnesses:

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EDWIN K. PAGE, OF HAVANA, NEW YORK.

Letters Patent No. 104,990, dated July 5, 1870.

IMPROVEMENT IN FOLDING-STEREOSCOPES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, EDWIN K. PAGE, of Havana, in the county of Schuyler and State of New York, have invented a new and useful Improvement in Stereoscopes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming a part of this specification.

This invention relates to improvements in stereoscopes, and

It consists in the application to the lens-frame of a lazy-tongs extension-frame for holding the picture, the said frame being connected to the lens-frame in a peculiar way, and provided at the outer end with a picture-holder, and also arranged to fold up against the side of the lens.

The invention also comprises an arrangement of the eye-shades for folding down upon the lens, on the one side, and the central dividing screen to fold down on the other side, the whole forming a protecting case for the lens, all as hereinafter more fully described.

Figure 1 is a plan view of my improved stereoscope.

Figure 2 is a section of the same, taken on the line $z z$ of fig. 1.

Figure 3 is a top view of the instrument when folded.

Similar letters of reference indicate corresponding parts.

A is the lens-frame, which is made of wood, metal, or any other suitable substance; and

B is the lazy-tongs extension-frame, for holding the pictures.

This frame is connected to the lens-frame at the ends of the bars of the first joint by pins or screws, C, with large heads, passing through slots, D, in the lower bar of the lens-frame, or in a slotted bar, D', attached thereto, and fastened, by screwing or otherwise, into the said bars, and the pivot F at the joint of the first bars also passes through a slot, G, in a bar, H, projecting from the center of the bottom of the frame A, and hinged thereto at I, so as to fold up against the lens. The joints of this bar, with the frame, are such that the plate is supported firmly in a horizontal position, so that the pivot F will similarly support the frame B.

The slots D have enlargements, E, at the outer ends, so that when the tongs-frame is closed, and the pins C are moved to the outer ends, they will drop out of connection with the frame, and allow the plate

H to fold up and carry the folded frame with it. The pin slides back and forth in the slot G when the frame B expands or contracts.

K represents a cross-bar, attached to the outer ends of bars of the outer sections of the frame B, by pins, L, in the said bars, working in slots, M, therein to allow the bars to more freely open and close in extending and contracting. This bar carries the spring-holders N for holding the pictures.

O represents the horizontal eye-shade. It is provided with flanges, P, at the ends, and is hinged to the frame at Q, so as to swing down against the front of the lens.

R represents the end shades. They have flanges, S, at top and bottom, and are pivoted to the frame at T, so as to swing around against the front of the lens, the ends meeting at the center.

U represents the central dividing screen, which I make in two plates, and hinge to the frame A, at or near the center, so as to swing from the ends to the center, as shown in fig. 1, when in use, and, when not in use, they fold down against the lens, and cover it, on the side opposite to that covered by the shades O and R.

It will be seen that when the shades O and R are folded down they cover the lens on one side, and their flanges lap the edges, forming a partially inclosing case, which is completed by the screens U, wholly protecting the lens, and, when the lazy-tongs extension is folded up against the screens U, the whole is packed in a very small space, convenient for carrying in the pocket, or laying away snugly on a shelf or table.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The employment, in combination with a stereoscope lens, of a lazy-tongs extension-frame, for the support of the pictures, substantially in the manner specified.

2. The combination, with the frame B, of the slotted bar K, provided with the holding-springs N, substantially as specified.

3. A stereoscope, provided with the eye-shades, arranged to fold down upon one side, and the central dividing screens, to fold on the other side, inclosing the same in a case, all substantially as specified.

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Witnesses:

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