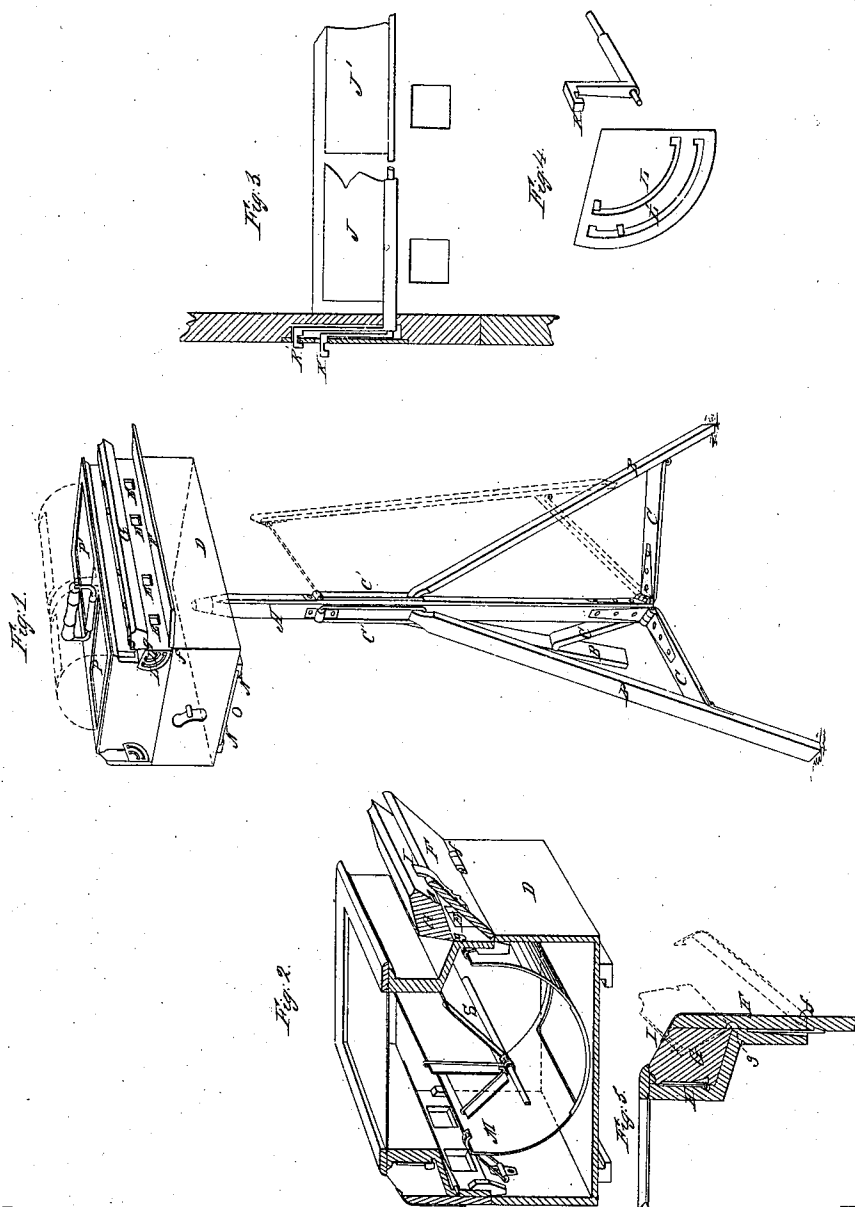


No. 40,794.

PATENTED DEC. 1, 1863

S. D. GOODALE.  
STEREOSCOPIC APPARATUS.



Witnesses:

Charles L. Fisher  
Geo W. McLaughlin

Inventor:  
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attys

# UNITED STATES PATENT OFFICE.

SAMUEL D. GOODALE, OF CINCINNATI, OHIO, ASSIGNOR TO L. C. GOODALE  
AND D. C. GOODALE, OF SAME PLACE.

## STEREOSCOPIC APPARATUS.

Specification forming part of Letters Patent No. 40,794, dated December 1, 1863.

*To all whom it may concern:*

Be it known that I, SAMUEL D. GOODALE, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Improvement in Stereoscopic Apparatus; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to provisions for facilitating the transportation and exhibition of stereoscopic apparatus, and is especially applicable to the class of instruments intended for public use.

Figure 1 is a perspective view of a box and stand embodying my improvements. Fig. 2 is a perspective transverse section of the box. Figs. 3 and 4 are detached representations of the details of the blind-operating mechanism. Fig. 5 is an enlarged transverse section of the flaps.

The stand consists of a central stem, A, to which legs B are secured by means of links C C', so that the stand when required for use shall open into the form represented in black in Fig. 1, and when done with shall be capable of being folded up into a very compact form, as indicated by the red lines. The upper end of the stem A, being a conic frustum, enters a circular aperture in the bottom of the box D.

The scene-operating mechanism S having been substantially described in my patent of February 5, 1861, requires no specific explanation.

E are visual apertures, closable by flap F hinged to the box at f.

G is my lens-holder, hinged to the box at g, and closable by snap-catch H. The flap F is closable on the lens-holder G by snap-catch I, so that both flap and holder may be folded up and closed simultaneously by a single movement of the hand, and may be both at once opened by simply releasing the flap.

J J' are blinds by which one or more pairs of visual apertures, E E, may be closed at any moment by the exhibiter. Each blind is operated by a spring-catch, K or K', working in a segmental slot, L or L', in the box.

The reflectors M for night illumination are simply semi-cylindrical shells, having attachments for lamps, and when not in use may be stowed away in an inverted position under the scene-holder S without interfering with the use of the latter. (See Fig. 2.)

Lips N N', beneath the box, afford a temporary receptacle for the covers O, which, when the apparatus is not in use, serve to close the glazed openings P P'.

I have selected to illustrate my invention a form adapted for the use of four spectators at once, but the device may evidently be adapted to a less or to a greater number.

I claim herein as new and of my invention—

1. The stand or tripod formed of the members A B B C C C' C' C', as and for the purpose set forth.

2. The arrangement of hinged lens-holder G g and flap F f, together with their catches H and I, both holder and flap being capable of being closed or opened by a single movement, in the manner described.

3. The arrangement of blinds J J', catches K K', and segmental slots L L', as set forth.

4. The arrangement of reflectors M, box D, and scene-holders S, substantially as set forth.

5. The provision of lips N N' beneath the box, for the purpose stated.

In testimony of which invention I hereunto set my hand.

SAMUEL D. GOODALE.

Witnesses:

GEO. H. KNIGHT,  
L. C. GOODALE.