

(No Model.)

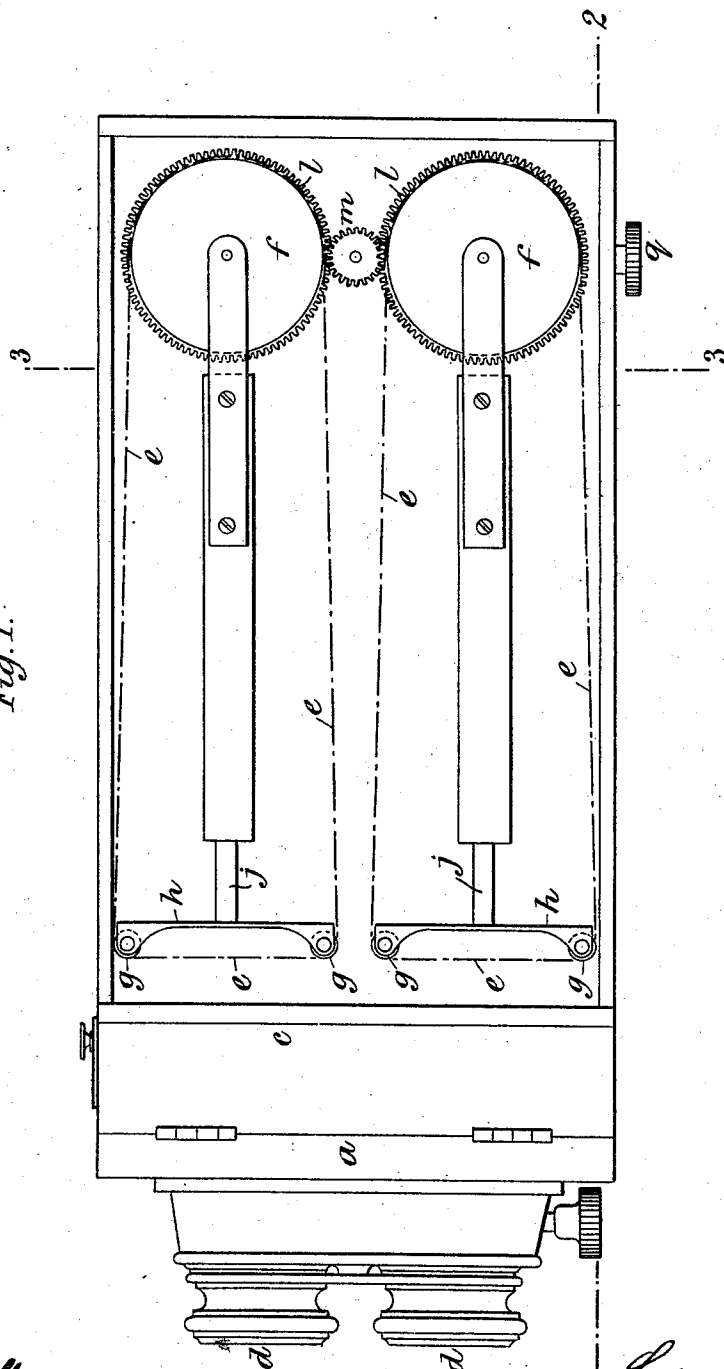
2 Sheets—Sheet 1.

L. JEFFERY.
STEREOSCOPE.

No. 578,337.

Patented Mar. 9, 1897.

Fig. 1.



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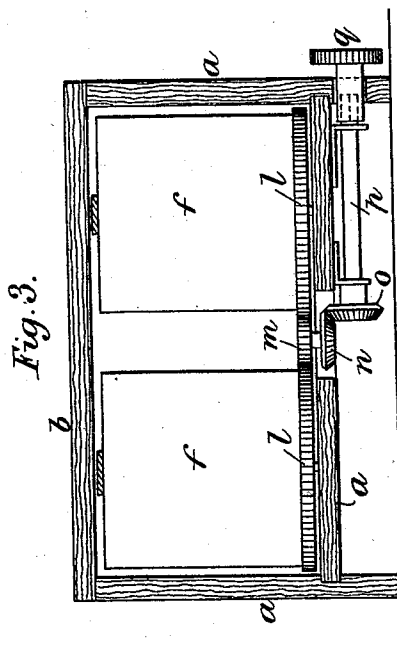
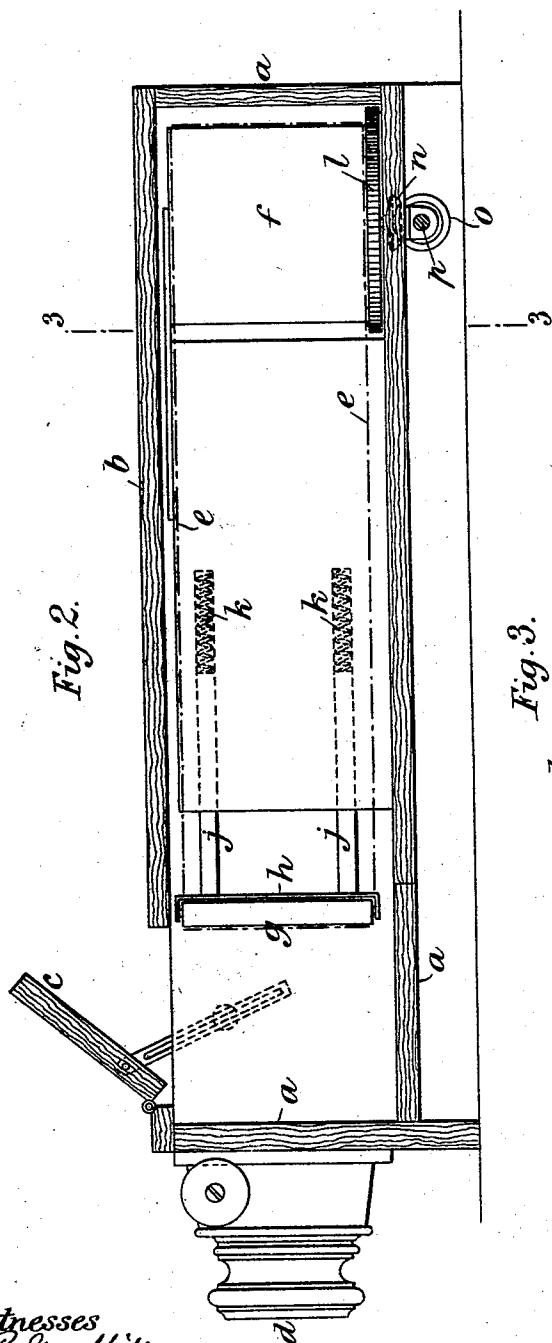
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2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

LOUIS JEFFERY, OF LONDON, ENGLAND.

STEREOSCOPE.

SPECIFICATION forming part of Letters Patent No. 578,337, dated March 9, 1897.

Application filed September 14, 1896. Serial No. 805,741. (No model.)

To all whom it may concern:

Be it known that I, LOUIS JEFFERY, a subject of the Queen of Great Britain, residing at 1 Newton Villas, Finsbury Park, London, in the county of Middlesex, England, have invented certain new and useful Improvements in Stereoscopes, of which the following is a specification.

By this invention I am enabled to exhibit in a stereoscope a continuously-moving panoramic view. Two similar series of pictures, each forming a continuous panorama, are mounted upon two endless bands to which a slow continuously-revolving motion in the same direction can be given. Each endless band is made to pass around a drum, by which it can be revolved, and also around two parallel guide-rollers at a distance apart. The two guide-rollers of one band and the two guide-rollers of the other are all in one plane and parallel with one another. A portion of each band stretched flat between two guide-rollers can thus be exhibited side by side with a similar portion of the other band just in the same way as the two pictures are exhibited side by side on an ordinary stereoscopic slide and can be viewed simultaneously by looking through the two lenses or eyepieces of the instrument just in the same way as though an ordinary stereoscopic slide were being used. The two drums used for giving a revolving motion to the two endless bands may be made to revolve simultaneously and at equal speeds by toothed wheels upon them, gearing with opposite sides of a toothed pinion, driven in any convenient manner.

Figure 1 is a plan of a stereoscope con-

structed according to this invention, the cover *b* being removed. Figs. 2 and 3 are vertical sections on the lines 2 2 and 3 3, Fig. 1, respectively.

a is the case, *b* the cover, *c* a hinged mirror throwing light into the interior, and *d* the eyepieces.

e are the endless bands carrying the views. They pass around the drums *f* and guide-rollers *g*, the latter being mounted on plates *h*, carried by spindles *j*, pressed outward by the springs *k*, so that the bands are kept in tension. The drums *f* are mounted on toothed wheels *l*, gearing with the pinion *m*, to which is fixed the bevel-pinion *n*, gearing with the bevel-pinion *o* on the shaft *p*, which also carries a handle *q*.

What I claim is—

1. The combination of a stereoscope, two rollers, means for driving the rollers in the same direction, two endless bands carrying panoramas, each passing partly around one of the rollers, and means for keeping the bands distended.

2. The combination of a stereoscope, two rollers, means for driving the rollers in the same direction, two cross-heads, two pairs of rollers carried by the cross-heads, two endless bands carrying panoramas, each passing partly around one of the first rollers and one pair of the rollers on the cross-heads, and springs tending to force the first rollers and the cross-heads apart.

LOUIS JEFFERY.

Witnesses:

FRED C. HARRIS,
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