

No. 632,472.

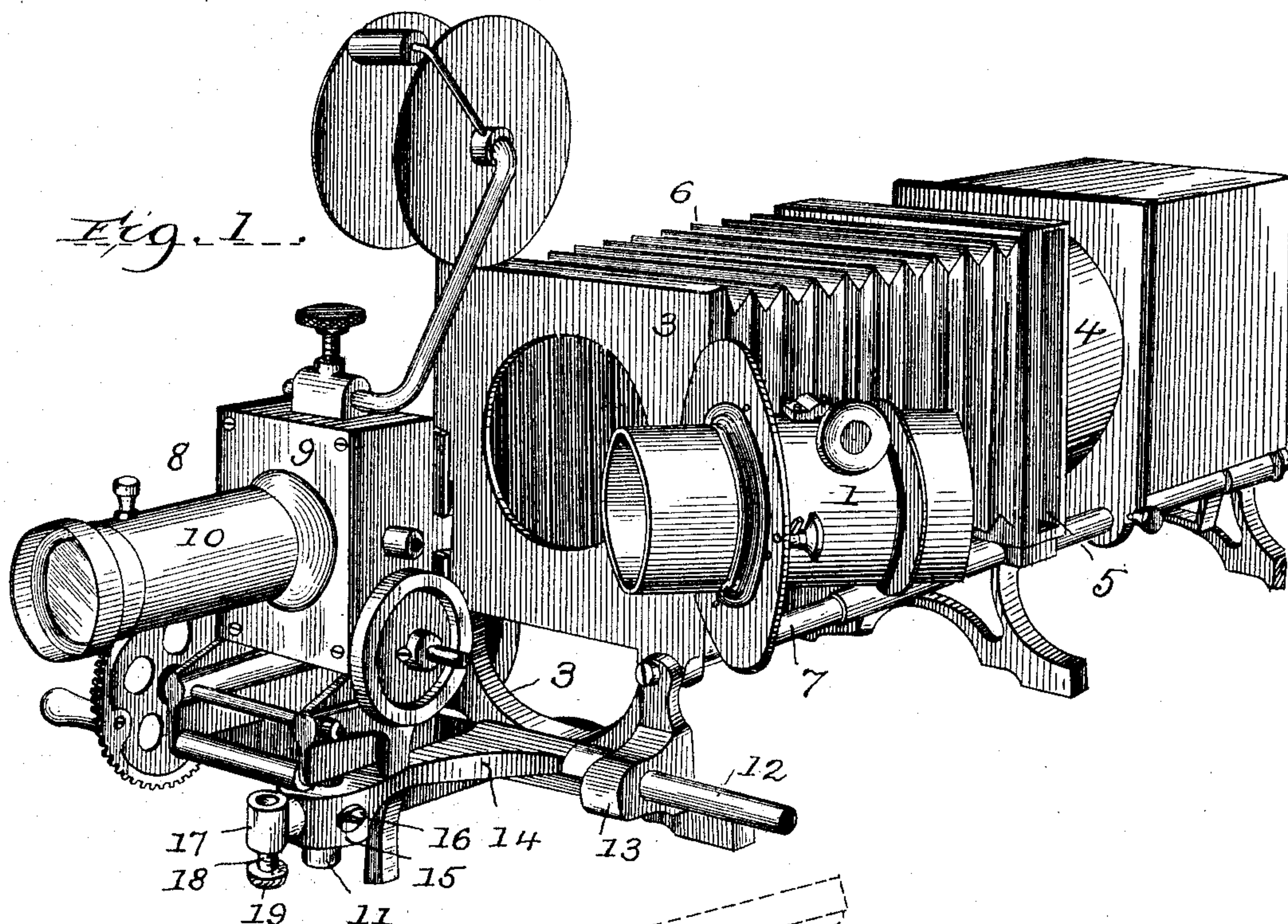
Patented Sept. 5, 1899.

A. C. ROEBUCK & F. McMILLAN.

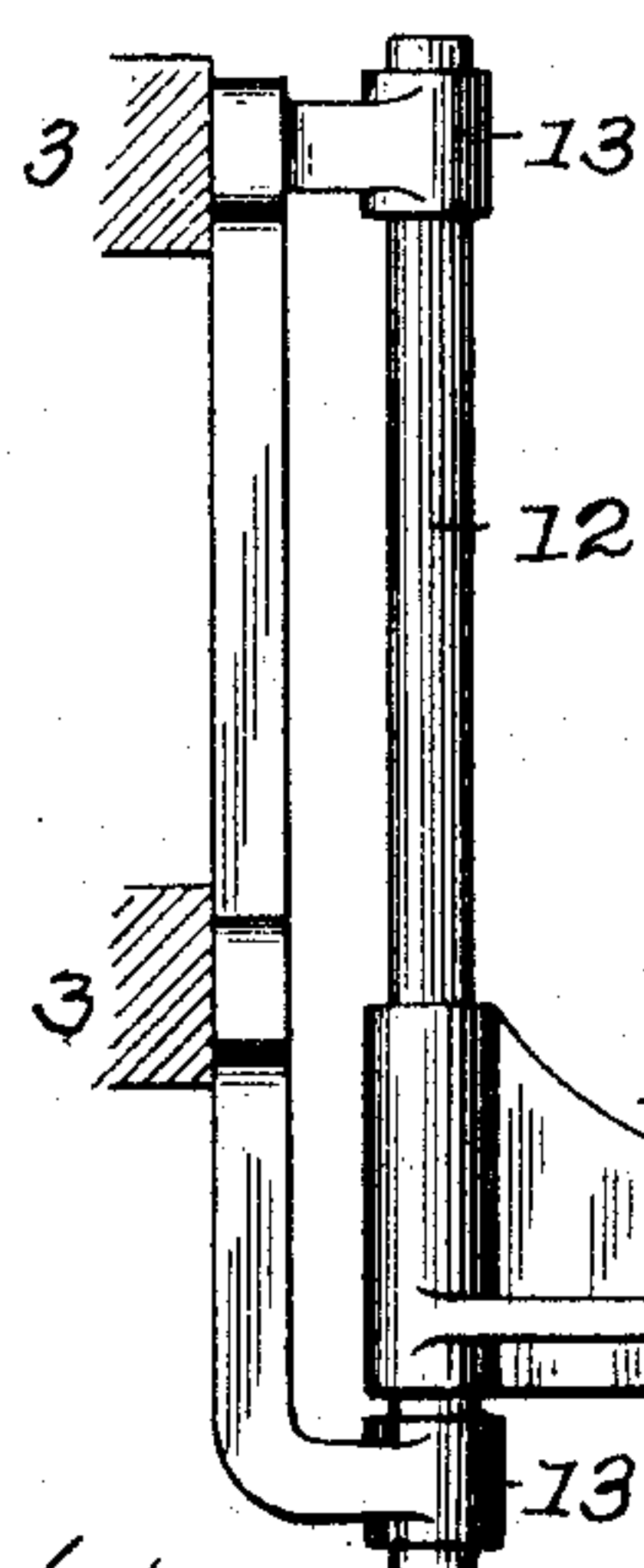
KINETOSCOPIC APPARATUS.

(Application filed Mar. 16, 1899.)

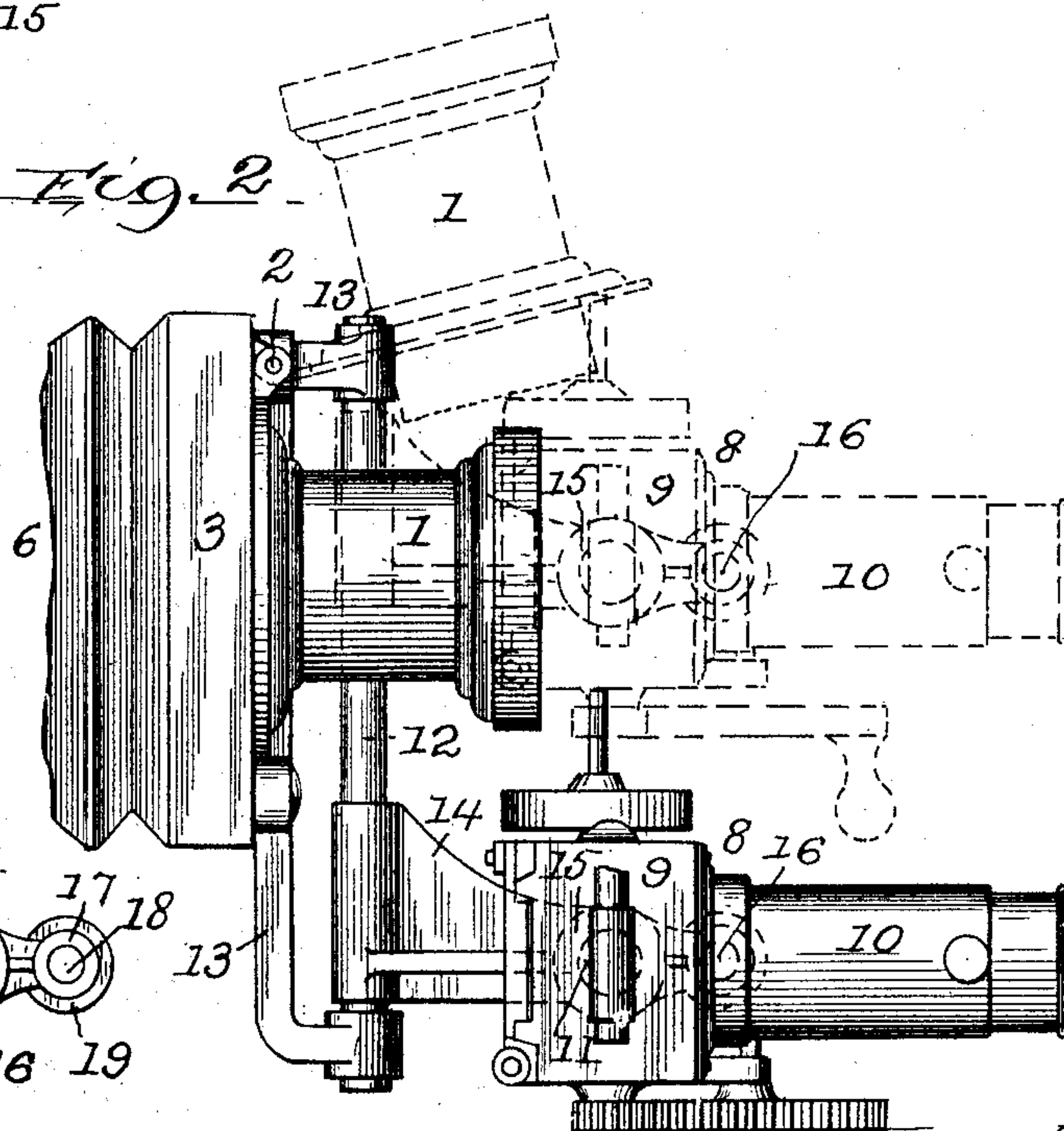
(No Model.)



*Fig. 3.*



*Fig. 2.*



Witnesses:

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By

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# UNITED STATES PATENT OFFICE.

ALVAH C. ROEBUCK AND FRANK McMILLAN, OF CHICAGO, ILLINOIS.

## KINETOSCOPIC APPARATUS.

SPECIFICATION forming part of Letters Patent No. 632,472, dated September 5, 1899.

Application filed March 16, 1899. Serial No. 709,346. (No model.)

*To all whom it may concern:*

Be it known that we, ALVAH C. ROEBUCK and FRANK McMILLAN, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Kinetoscopic Apparatus; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

The present invention relates to a combination kinetoscopic apparatus and stereopticon or other like apparatus that are so arranged as to be readily interchangeable in order that in giving a public exhibition an ordinary lantern-slide can be displayed during the interval in which the change in the kinetographic apparatus from one set of moving pictures to another is being made.

The present improvement has for its object to provide a simple and effective arrangement and combination of parts with which the change above described can be effected in a ready and convenient manner. We attain such object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the present apparatus with the kinetoscopic portion thereof in position for use and with the stereopticon portion in a position of non-use; Fig. 2, a plan view of the apparatus, illustrating a reversed arrangement of the parts to that shown in Fig. 1 in full lines and the same arrangement in dotted lines; Fig. 3, a detail horizontal section, illustrating the slide, &c., on which the kinetoscopic portion of the apparatus is supported.

Similar numerals of reference indicate like parts in the different views.

Referring to the drawings, 1 represents the objective of an ordinary stereopticon or other like apparatus, which objective in the present improvement is hinged at one side by a hinge 2 to the stationary front head 3 of the stereopticon, so as to be capable to be swung to one side when desired and for the purpose hereinafter stated. The condenser 4, slide-receiving way or passage-slide 5, and bellows connection 6 of the stereopticon will be of the usual and ordinary construction and adapted

to be adjusted to and from the front head 3 upon the usual horizontal track-rods 7.

8 is the kinetoscopic apparatus of any usual and suitable construction, preferably of the particular type shown in our prior application for Letters Patent, Serial No. 671,662, filed February 25, 1898.

In the construction shown in the present drawings, 9 is the body portion of such kinetoscopic apparatus, 10 the objective thereof, and 11 the vertical stem by which the apparatus is supported.

In the present improvement 12 is a transversely-arranged horizontal track rail or rod, secured at each end to the front head 3 of the stereopticon by bracket-frame 13 a short distance above the ground-line, as shown.

14 is a head sliding upon the track rail or rod 12 and formed with a vertical socket 15 to receive the lower end of the vertical stem 11 of the kinetoscopic apparatus 8, which is adjustably secured in place by the set-screw 16 at the side of such socket 15, as shown.

17 is another socket on the sliding head 14, arranged in front of the main socket 15 and formed with a vertical screw-threaded bore to receive the similarly-formed shank of bolt 18, the head 19 of which is adapted to rest upon the surface of the table-top or other like support and by its vertical adjustment in the socket 17 to effect a proper alinement of the kinetoscopic apparatus and bring its focal axis in line with the focal axis of the main lantern and the condenser thereof.

In use when it is desired to use the kinetoscopic apparatus 8 to give a display of moving pictures the ordinary stereopticon-objective 1 will be swung out of the way on its hinge 2 in manner indicated in Fig. 2 and the kinetoscopic apparatus 8 moved laterally upon the track 12 to bring its focal axis in line with that of the main lantern and condenser. With the ending of the display of the one series of moving pictures the kinetoscopic apparatus can be moved laterally to one side of the focal axis of the main lantern portion of the apparatus and entirely out of the path of the same, as illustrated in Fig. 2, after which the stereopticon-objective 1 can be swung back into place and an ordinary lantern-slide be introduced into the slide way



or passage 5 to give a stationary-picture exhibition while the kinetoscopic apparatus is being changed from one series of moving pictures to another.

5 Having thus fully described our said invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination of a stereopticon having a removable objective, a kinetoscopic apparatus, a laterally-movable head carrying said kinetoscopic apparatus, and means for guiding said head in its lateral movement, substantially as set forth.

2. The combination of a stereopticon having a removable objective, a kinetoscopic apparatus, a laterally-movable head carrying said kinetoscopic apparatus, and means for guiding said head in its lateral movement, the same comprising a laterally-arranged horizontal track secured to the stereopticon-support, substantially as set forth.

3. The combination of a stereopticon having a removable objective, a kinetoscopic apparatus, a laterally-movable head carrying said kinetoscopic apparatus, means for guiding said head in its lateral movement, and

means for effecting a vertical adjustment of the laterally-movable head and kinetoscopic apparatus carried by said head, substantially as set forth.

4. The combination of a stereopticon having a removable objective, a kinetoscopic apparatus, a laterally-movable head carrying said kinetoscopic apparatus, means for guiding said head in its lateral movement the same comprising a laterally-arranged horizontal track secured to the stereopticon-support, and means for effecting a vertical adjustment of the laterally-moving head, the same comprising a vertical socket on said head and a screw-bolt screwing in said socket, and adapted to form an adjustable rest for the outer end of said laterally-moving head, substantially as set forth.

In testimony whereof witness our hands this 13th day of March, 1899.

ALVAH C. ROEBUCK.  
FRANK McMILLAN.

In presence of—

ROBERT BURNS,  
JAMES LAVALLIN.