

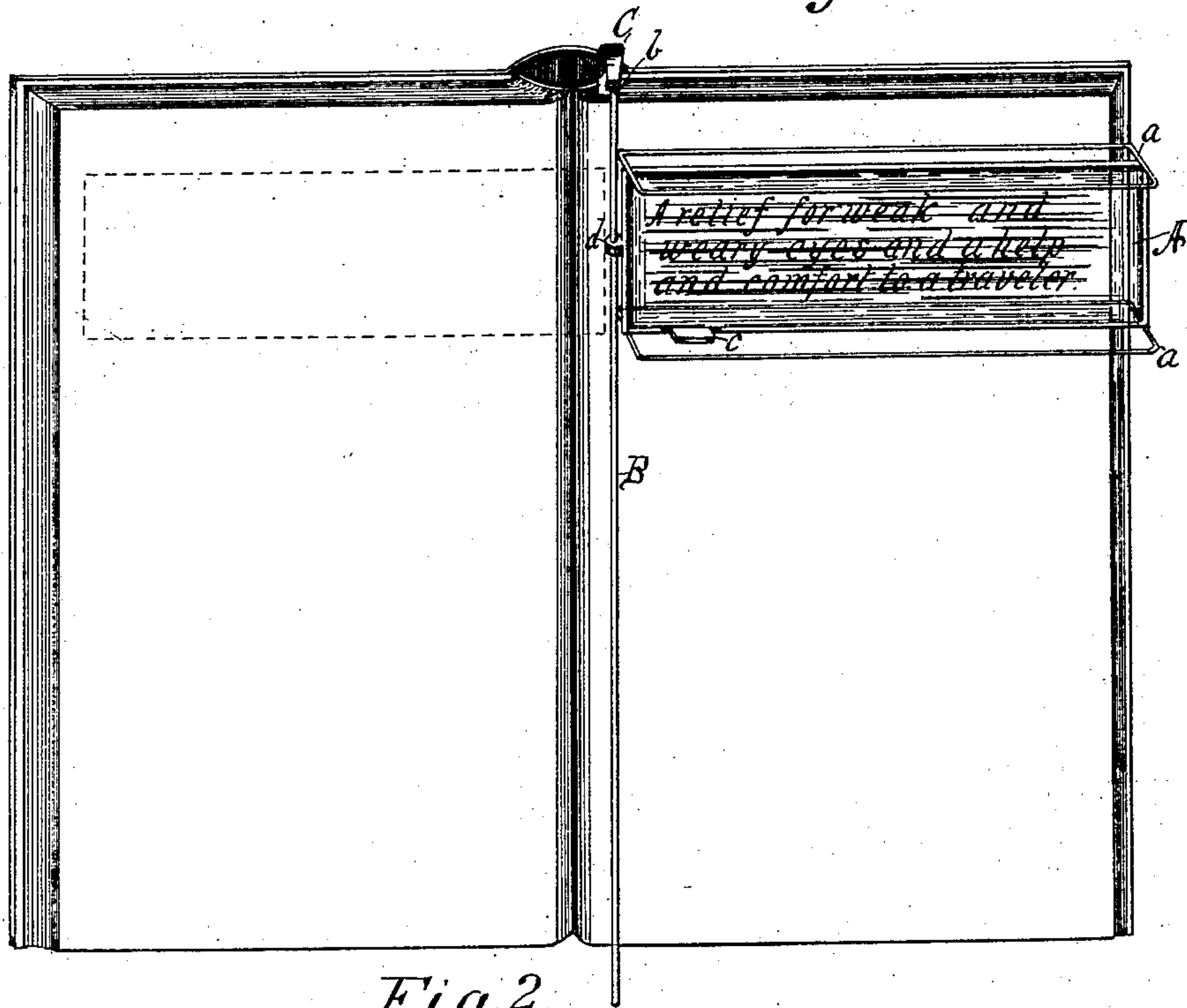
(No Model.)

J. GRAHAM.  
READING GLASS OR LENS.

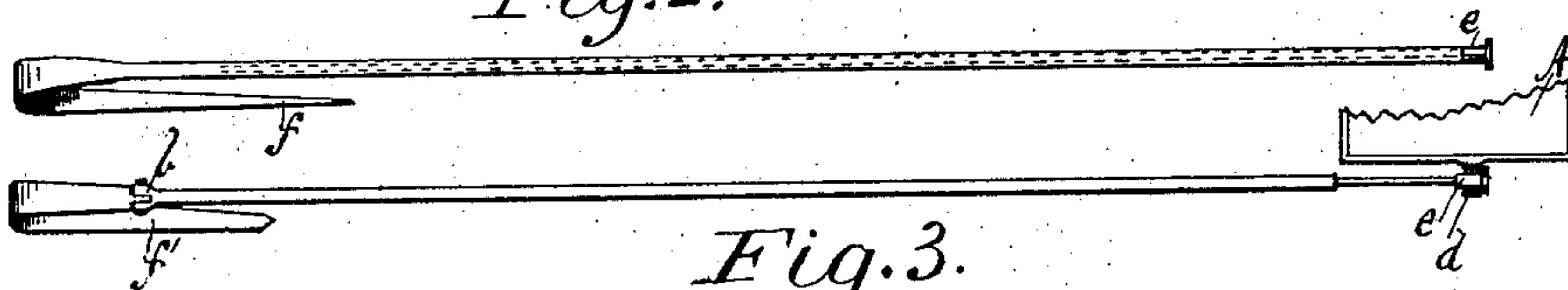
No. 547,114.

Patented Oct. 1, 1895.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

Witnesses.

Henry Holt.  
Ignatius P. O'Brien.

Inventor.

James Graham  
per James O'Brien  
Attorney

# UNITED STATES PATENT OFFICE.

JAMES GRAHAM, OF DETROIT, MICHIGAN.

## READING GLASS OR LENS.

SPECIFICATION forming part of Letters Patent No. 547,114, dated October 1, 1895.

Application filed May 27, 1895. Serial No. 550,881. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES GRAHAM, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have  
5 invented a new and useful Reading Glass or Lens, of which the following is a specification.

My invention relates more especially to improvements in that class of magnifying-lenses held in the hand while reading—an inconvenience I propose to obviate. This inconvenience is more especially felt when the reader is traveling by rail and subject to a constant succession of jars, which renders it very difficult to keep a proper focus. I minimize this  
15 difficulty and also the necessity of constantly moving the hand back and forth across the page by the following device, in which—

Figure 1 represents my preferable form of lens with its fastening attachment in place on  
20 a book and ready for use. Fig. 2 shows the fastening-rod on which the lens slides, detached. Fig. 3 is another form of the same.

By preference the lens is made in oblong form of about the ratio of one to three. To  
25 the corners of the frame, at right angles to the plane of the lens, are attached the focal guides *a*. They are designed to keep the lens a proper distance from the paper and are projected alike on each side of the lens, so that  
30 when the lens is turned to either page of an open book it has a focal guide. In the center of one end of the lens-frame is a lug *d*, with a bore in the same adapted to slide on a rod *B*, the upper end of which rod is flattened and bent over at *C* until it is parallel to the  
35 rod tempered as a spring and ending either in a pin (*f*) or blade (*f'*) shaped point adapted to be easily slipped between the leaves of a book. It may also be provided with a hinge *b* at  
40 the point where it is flattened, for greater convenience in slipping the blade or pin between the leaves of a book.

*c* is a lip or piece on which the finger may be placed while slowly moving the lens down  
45 the page.

The rod may be made with an extension *e*,

so that it can be adapted for a long page without increasing the length of its case. Its adaptation for the purpose intended is obvious. It can be fastened into a book on  
50 either side of the center and drawn down while reading; then, without releasing the rod, the lens can be turned over to the opposite page, and so on.

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

1. A reading lens constructed to cover a page of printed matter in width and one or more lines in depth, a guiding member to which said lens is attached and on which it is  
60 adapted to slide, said guide so arranged as to be fastened at the top of the paper or book and to allow the lens to be turned to either side or page for use without disturbing the guide, substantially as described and for the  
65 purpose set forth.

2. A reading lens constructed to cover and magnify a column or page of printed matter in width, and one or more lines in depth, having focal guides attached to keep the lens a proper  
70 distance from the paper and adapted to slide or move down the page, a guiding member for the focal guide, said member adapted to be fastened at the top of the book or paper substantially as described and for the purpose  
75 set forth.

3. A reading lens of oblong shape constructed to cover and magnify a column or page of printed matter in width and one or more lines in depth, having focal guides at-  
80 tached to keep the lens a proper distance from the paper, and adapted to slide or move down the page, a guide on which it moves, the guide so arranged as to be fastened to the top of the book or paper, and to allow the lens to be  
85 turned to either page for use without disturbing the guide, substantially as described and for the purpose set forth.

JAMES GRAHAM.

Witnesses:

LOTTIE COOK,  
GEO. F. STANDLEY.