L. HEATH.

Stand for Magnifying Glass.

No. 198,542. Patented Dec. 25, 1877.

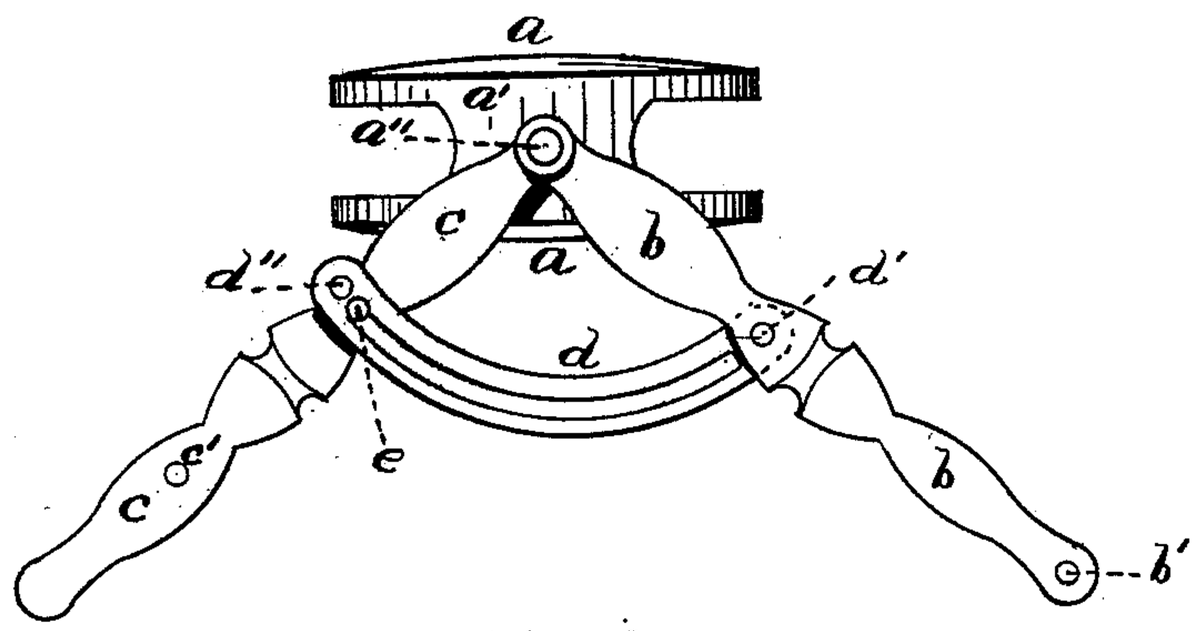

Fig. 1.

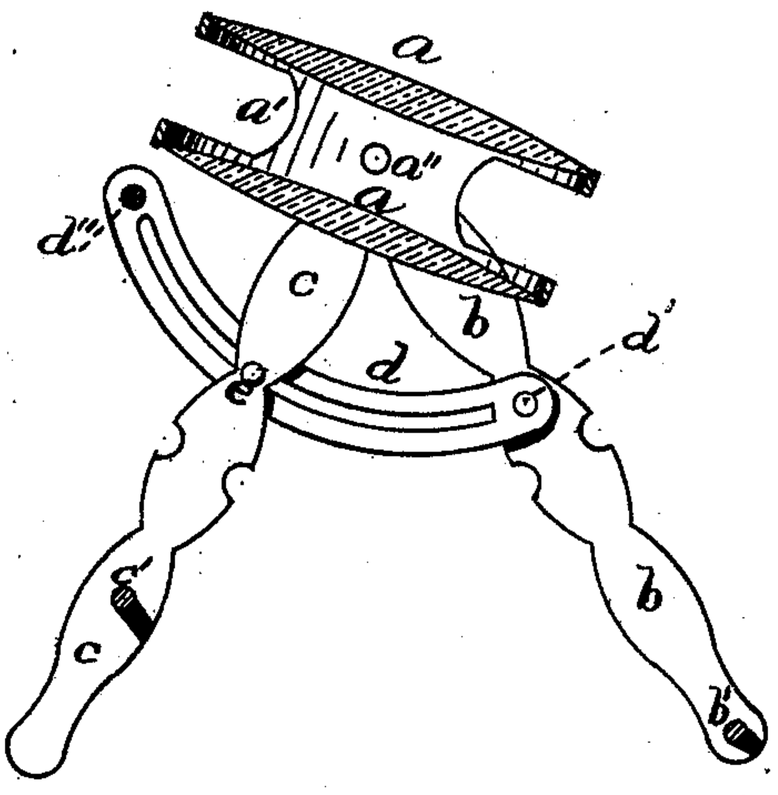

Fig. 2

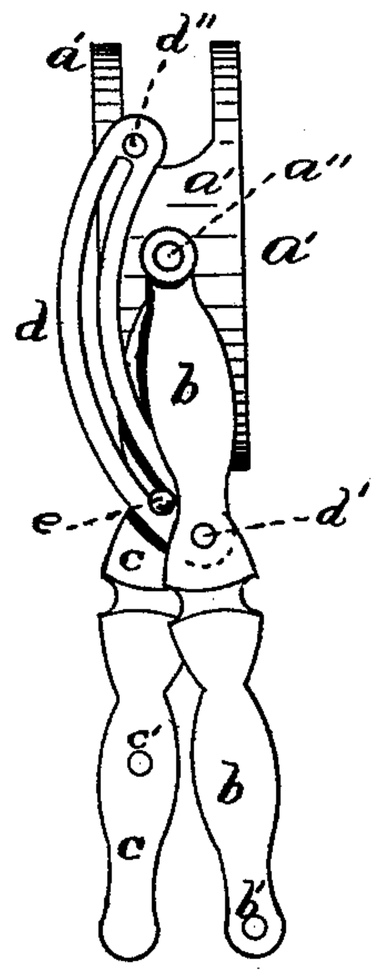

Fig. 3

WITNESSES

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LABAN HEATH, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN STANDS FOR MAGNIFYING-GLASSES.

Specification forming part of Letters Patent No. **198,542**, dated December 25, 1877; application filed November 30, 1877.

To all whom it may concern:

Be it known that I, LABAN HEATH, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Magnifying-Glasses, which improvement is fully set forth in the following specification and accompanying drawings.

This improvement relates to small magnifying-glasses, such as are used for the detection of counterfeit bank-notes, the examination of insects, &c., and are provided with a stand for their support.

It consists in the peculiar construction and arrangement of the stand and frame, as below described, so that the lens is adjustable vertically, thus enabling it to be brought nearer to or farther from the article beneath it, or upon which it rests for purposes of examination, and also allowing the lens to be turned at any angle.

In the drawings, Figure 1 is a side elevation of a magnifying-glass embodying my invention, its lens being brought as low as the stand will allow. Fig. 2 is a vertical section of the same, the lens being higher than in Fig. 1, and placed at an angle. Fig. 3 is a side elevation of the same folded for packing and transportation.

Similar letters of reference indicate corresponding parts.

a a represent the lenses set, in the usual manner, in the frame *a'*, which is made in a single piece. Upon each side of the frame *a'* is fixed a pin, *a''*, which passes through and turns in the upper ends of the legs *b c*, both of which meet at that point upon each side the frame. The legs *b* are connected and steadied by rods or cross-pieces *b'* at suitable points, and the legs *c* by similar rods *c'*. Pivoted or hinged by the pin *d'* to the leg *b* is the slotted curved bar *d*, while attached to the corresponding leg *c* is a pin, *e*, which runs in the slot in the curved bar *d*. There are, of course, two bars, *d*, extending from the two legs *b* to the opposite legs *c*, and connected by the rod *d''*.

Thus, it will be seen that if the lens is to be raised so as to be brought farther from the object to be examined, (which lies beneath it,) the legs *b c* are brought nearer together, or vice versa; and by means of the pins *a''* in the frame *a'* the lens can be tipped at any angle, so as not to necessitate the moving of the object examined.

The device can be folded into a small space for packing, as seen in Fig. 3.

Having thus fully described my invention, what I claim and desire to secure by Letters Patent, is—

The combination of the lens-frame *a'*, pivoted at each side by means of the pins *a''* to the legs *b c*, the legs *b c*, connected by rods *b' c'*, and provided with pins *d'* and *e*, and the slotted curved arms *d*, all constructed and arranged substantially as and for the purpose herein set forth.

LABAN HEATH.

Witnesses:

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