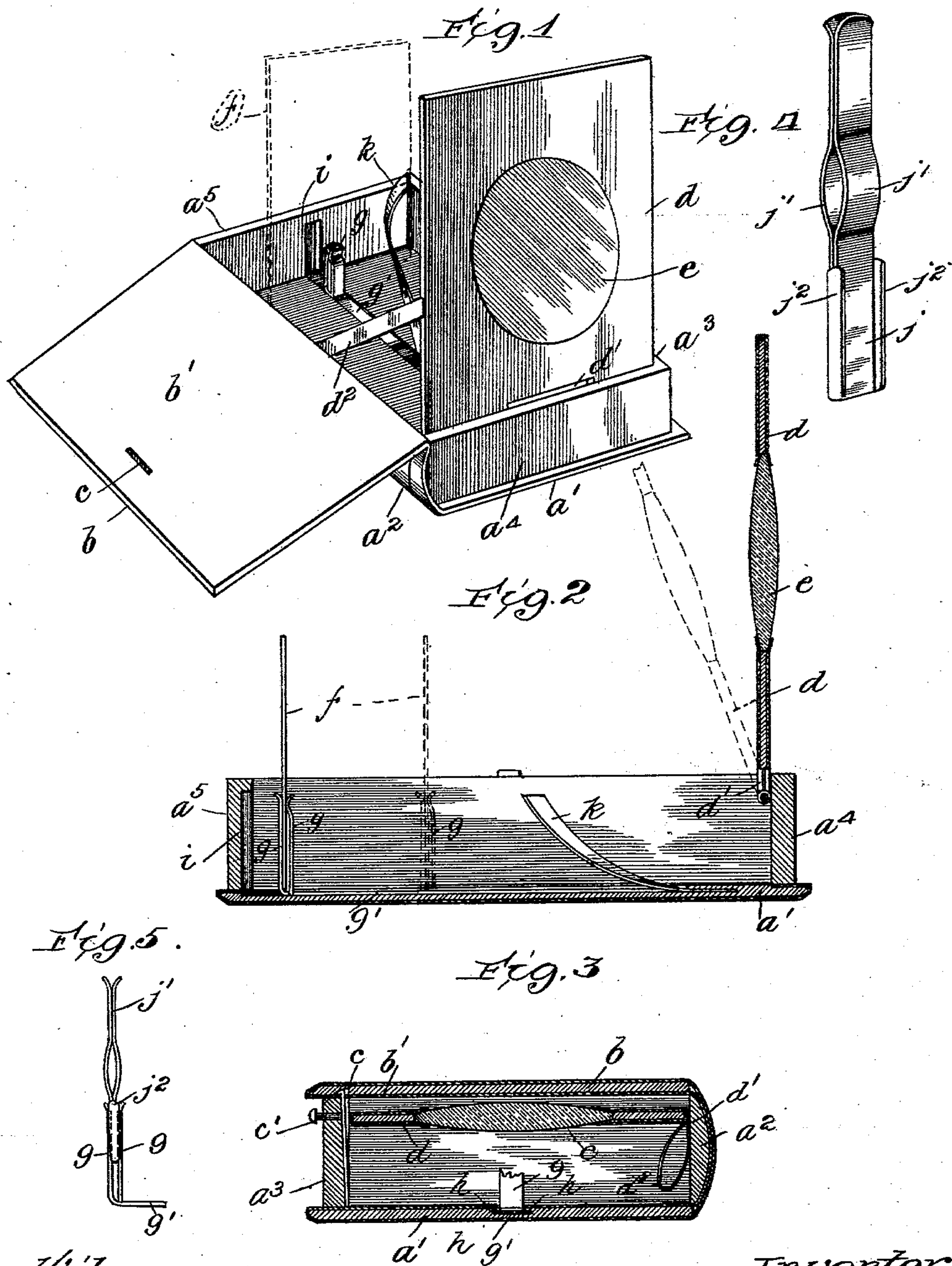


No. 745,605.

PATENTED DEC. 1, 1903.

A. HATTREM.  
DEVICE FOR EXHIBITING PHOTOGRAPHS.  
APPLICATION FILED AUG. 5, 1903.

NO MODEL.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

ANDREW HATTREM, OF CHICAGO, ILLINOIS.

## DEVICE FOR EXHIBITING PHOTOGRAPHS.

SPECIFICATION forming part of Letters Patent No. 745,605, dated December 1, 1903.

Application filed August 5, 1903. Serial No. 168,280. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW HATTREM, a citizen of the United States, residing in the city of Chicago, county of Cook, and State of Illinois, have invented a new and useful Improvement in Devices for Exhibiting Photographs, of which the following is a specification.

My invention relates to devices for exhibiting photographs; and the objects of my invention are, first, to provide means for enlarging the image and simultaneously illuminating it by reflection; second, to provide means whereby the entire device may be folded, so as to occupy a small space; third, to provide means whereby the magnifying parts may be automatically brought into operative position; fourth, to provide suitable adjustments as to height and distance of the photograph relative to the magnifying-lens, and, fifth, to provide within the device when closed space for containing photographs. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a general perspective view of the device. Fig. 2 is a longitudinal sectional view. Fig. 3 is a transverse sectional view. Fig. 4 is a perspective view of a supplementary section of the photograph-holder, and Fig. 5 is a side view illustrating the operation of said supplementary holder-section.

Similar letters refer to similar parts throughout the several views.

The main body of the device is a box-like receptacle, which is preferably in the form of a book, having a bottom  $a'$ , side walls  $a^2$  and  $a^3$ , end walls  $a^4$  and  $a^5$ , and a cover hinged to said wide wall  $a^2$ . By preference said receptacle is covered with leather or other suitable material and may bear printing on the wall  $a^2$  to still further complete its book-like appearance. The inner surface  $b'$  of the cover  $b$  is of some material which will reflect light—such, for example, as white enamel-paper or veneer. Said cover  $b$  is provided with a catch part  $c$ , adapted to be engaged by a catch part  $c'$ , located on the wall  $a^3$ , to hold said cover down in a closed position.

Along the inner side of the end wall  $a^4$  and near the upper edge thereof is hinged the screen  $d$ , which is provided with a spring  $d'$  in such a manner that said screen always

tends to assume an upright position, as shown in Fig. 2. A stop  $d^2$ , which preferably consists of a ribbon or tape attached to said screen and to the side wall  $a^2$ , is provided to limit the throw of said screen under the influence of said spring  $d'$ . A lens  $e$  is mounted in said screen  $d$  in such location as to magnify a photograph, as  $f$ , mounted in the upright leaves  $g$  of the photograph-holder. Said leaves  $g$  of the holder rise from the base portion  $g'$ , which is preferably a thin sheet of nickel-plated metal, as are also the said leaves  $g$ . A pair of plates  $h$   $h$ , preferably also of metal, extend parallel to each other along the inner surface of the receptacle-bottom  $a'$  and form a depressed track or guide for said base  $g'$ , so that said photograph-holder may be adjusted to any distance from the screen  $d$ .

A recess  $i$  is formed upon the inner side of the wall  $a^5$  to receive the leaves  $g$  when the latter are not in use. This construction permits all the space within the receptacle below the screen  $d$  to be available for the storage of photographs.

A supplementary holder-section, comprising the base  $j$  and the leaves  $j'$   $j'$ , affords means for mounting photographs at a higher point than may be accomplished by the use of the holder-leaves  $g$ . Said base  $j'$  is adapted to be held between the leaves  $g$  of the sliding holder, and the lateral flanges  $j^2$   $j^2$  on the base  $j$  prevent said supplementary section from becoming displaced. When said supplementary section is in position, the leaves  $j'$  thereof serve to retain the photograph in an upright position.

A ribbon  $k$  is attached to the inside of the bottom  $a'$  and is adapted to hang over the end wall  $a^5$  to thereby afford means for readily raising photographs stored within the device.

In operation when the device is closed the catch parts  $c$  and  $c'$  not only hold the cover down, but said cover holds down the screen  $d$  against the force of the spring  $d'$ . This arrangement serves a double purpose, a single fastening means holding both the cover and the screen in position and said spring  $d'$  maintaining said screen in contact with the inner surface of the cover to thereby prevent accidental movement of said screen within the receptacle. This is important, for if the screen



hung loosely within the receptacle there would be an annoying rattling or displacement of said screen when the device were moved and there would be danger of the lens becoming scratched. Moreover, by thus holding the screen adjacent to the cover *b* there is more available space for the photographs or other articles stored within. As soon as the cover *b* is unfastened and raised the screen *d* raises automatically into operative position and is there held by means of the stop *d*<sup>2</sup>. After the contents of the receptacle are removed the holder *g* is slid out from its recess *i*, and a photograph may then be placed in said holder. Inasmuch as said holder is slidable, the photograph may be brought to the proper focal distance from the lens *e*. If said holder does not elevate the photograph sufficiently, the supplementary holder-section *j* may be mounted in position, as shown in Fig. 5, and the photograph then be placed therein. When the screen and photograph are both in position, a fine lighting effect may be had by raising the cover *b* to a vertical position. The light-rays coming from the side opposite to the cover are reflected and diffused by the inner surface *b'* of said cover, and the image is brought out very clearly. It is preferable that said inner reflecting-surface be not a mirror or polished metal, so that an image will be reflected, but that merely the light-rays will be reflected. Another advantage produced by said cover with its reflecting-surface is that said cover itself forms a screen to shut out the view of surrounding foreign objects, thus heightening the natural effect.

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

1. In a device for exhibiting photographs, a receptacle comprising a bottom, two end walls, two side walls, and a cover hinged to one of said side walls; in combination with means for holding a photograph near one of said end walls, a screen through which the photograph may be viewed, said screen being hinged to the other of said end walls; and a reflecting-surface located upon the inner side of said cover for throwing a reflected light upon the photograph when said cover is in an upright position, and permitting access of light to the photograph from both sides of the receptacle when said cover is wide open.

2. In a device for exhibiting photographs, a receptacle comprising a bottom, two end walls, two side walls, and a cover hinged to one of said side walls; in combination with a reflecting-surface upon the inner side of said cover; a screen hinged to one of said end walls; a lens in said screen; and a holder for photographs in said receptacle near the other of said end walls, said holder being adjustably movable toward and from said screen.

3. In a device for exhibiting photographs, a receptacle comprising a bottom, two end walls, two side walls and a cover hinged to one of said side walls; in combination with a

reflecting-surface upon the inner side of said cover; a screen hinged to one of said end walls; a lens in said screen, a holder for photographs in said receptacle near the other of said end walls, said holder being adjustably movable toward and from said screen, and a supplementary holder-section adapted to be removably mounted in said movable holder for the purpose described.

4. In a device for exhibiting photographs, a receptacle comprising a bottom, two end walls, two side walls, and a cover hinged to one of said side walls; in combination with means for holding a photograph near one end of said end walls; a screen hinged to the other of said end walls near the top thereof; a lens in said screen; and means for tending to hold said screen in contact with the under side of said cover when the latter is closed, whereby accidental movement of said screen within said receptacle is prevented.

5. In a device for exhibiting photographs, a receptacle comprising a bottom, two end walls, two side walls, and a cover hinged to one of said side walls; in combination with means for holding a photograph near one of said end walls; a screen hinged to the other of said end walls; a lens in said screen, a spring for automatically raising said screen to an upright position, and means for holding said cover in closed position upon said side and end walls to thereby retain said screen within said receptacle against the force of said spring.

6. In a device for exhibiting photographs, a receptacle comprising a bottom, two end walls, two side walls, and a cover hinged to one of said side walls; in combination with means for holding a photograph near one of said end walls; a screen hinged to the other of said end walls; a lens in said screen, a spring for automatically raising said screen to an upright position; a flexible fabric such as a ribbon or tape for preventing the swinging of said screen beyond an upright position; and a catch for holding said cover in closed position for the purpose described.

7. In a device for exhibiting photographs, a receptacle comprising a bottom, two end walls, two side walls, and a cover hinged to one of said side walls; in combination with a reflecting-surface upon the inner side of said cover; a screen hinged to one of said end walls; a lens in said screen; a holder for photographs in said receptacle near the other of said end walls, said holder being adjustably movable toward and from said screen; and a recess in the end wall opposite to said screen for receiving said holder to thereby increase the available space within said receptacle and at the same time protect said holder from contact with the contents of said receptacle.

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