A. L. KERR.

TOY CAMERA.

APPLICATION FILED MAY 13, 1918.

1,305,807. Patented June 3, 1919.

Fig. 1.

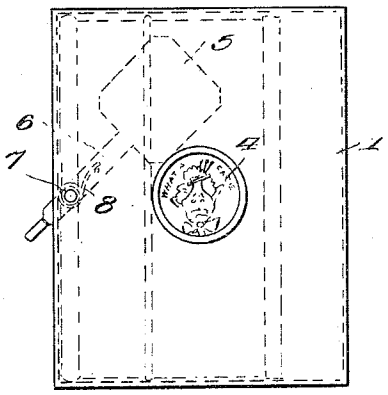
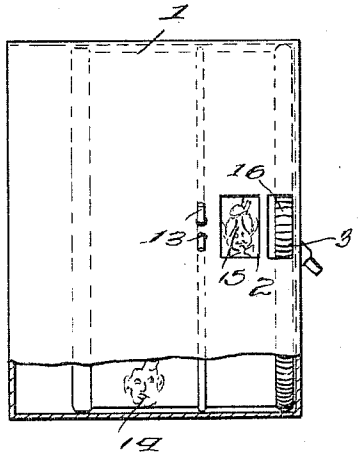


Fig. 2.



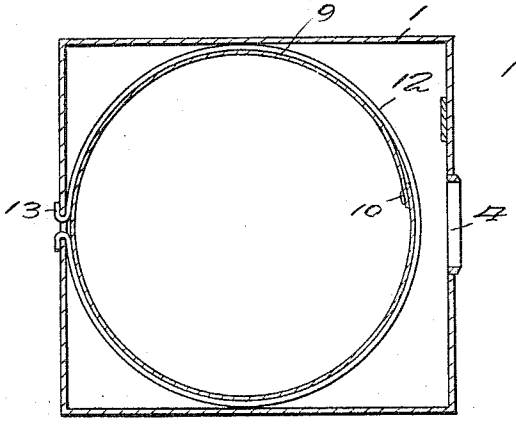


Fig. 3.

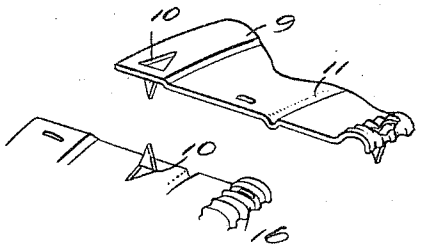


Fig. 4.

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TOY CAMERA.

1,305,807. Specification of Letters Patent. Patented June 3, 1919.

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To all whom it may concern:

Be it known that I, ALVA L. KERR, a citizen of the United States, residing at Mount Gilead, in the county of Morrow and State of Ohio, have invented certain new and useful Improvements in Toy Cameras, of which the following is a specification.

This invention relates to improvements in toys and it is the principal object of the invention to provide a novel toy camera capable of being manufactured at an exceedingly low cost because of its simple construction and to afford much amusement to persons using the same.

It is also an object of the invention to provide the toy with a novelly arranged picture drum whereby a user can ascertain when the desired picture has been alined with the display opening in the camera before the shutter thereof is opened.

The improvements in the novel details and arrangement of parts of the preferred embodiment of my invention will be clear from a careful consideration of the accompanying drawing and the specific description hereinafter contained and offered for the purposes of illustration.

In the drawings:

Figure 1 is a front elevation of the improved toy,

Fig. 2 is a rear elevation thereof having a part broken away,

Fig. 3 is a vertical longitudinal section through the same, and

Fig. 4 is a fragmentary detail in perspective of the picture carrying drum.

Having more particular reference to the drawings, in connection with which like reference characters will designate corresponding parts throughout the several views, 1 represents the casing of the toy, the same having openings 2, 3 and 4 formed in its opposite ends, it being noted in this connection that the openings 2 and 3 are arranged adjacent each other for a purpose which will be presently apparent. A sleeve is arranged adjacent the opening 4 by flanging the adjacent portion of the camera end or by inserting the same therein, such as conditions or preference may dictate. A shutter 5 provided with an elongated stem portion 6 is arranged adjacent the end wall of the casing 1 having the opening 4 formed therein, the stem thereof being pivotally connected to said wall as at 7 by passing a rivet or like fastening device therethrough and arranging a coil spring 8 thereabout, one end of said spring being engaged with an adjacent portion of the casing while the remaining end is engaged with a portion of the elongated stem 6. In this way, it is obvious that the shutter 5 will be normally maintained in closed position, that is, over the opening 4. To permit the operating of the shutter, one end of the stem 6 thereof is extended through an opening formed in an adjacent portion of the side wall of the casing 1.

Rotatably mounted in the casing 1 is a picture carrying drum 9, the same being formed from a single strip of sheet metal bent upon itself and provided with offstruck spurs 10 whereby the opposite ends thereof can be interengaged as clearly shown in the Fig. 3. A peripherally disposed groove 11 is formed in the drum and receives a circular retaining wire 12 therein, the opposite ends of said wire passing through openings formed in one end of the casing 1 and being crimped as at 13 for an obvious purpose. By so mounting the drum 9, it will be readily understood that undue lateral movement of the same will be positively prevented and as a consequence, the display pictures 14 carried on the peripheral surface thereof will be rendered capable of alining with the display opening 4 at all times. Other pictures corresponding to the pictures 14 and indicated by the reference numeral 15 are arranged to one side of the peripheral surface of the picture carrying drum 9 and to one side of the display opening 4, these pictures, however, being arranged in a reverse direction to the arrangement of the picture 14. As a consequence, when one of the pictures 14 is alined with the display opening, the corresponding picture 15 will be alined with the display opening 2 in the opposite end of the casing 1, thus enabling a user to ascertain when the desired picture is in proper position before he actuates the shutter 5.

To facilitate rotation of the drum 9, one side thereof may be and preferably is roughened as at 16 and is adapted to pass by the opening 3 which as will be noted, is of a size sufficient to permit the thumb or finger of a user's hand to be engaged with the same, and the drum, in this way, rotated to the desired extent.

In using the improved toy, the desired picture, as hereinbefore stated, is alined with

the opening 2, whereupon the corresponding picture will be in a position alining with the opening 4. At this time, the outer end of the stem 6 is moved downwardly thus moving the shutter 5 upwardly from over the opening 4 against the tension of the coil spring 8 and thus displaying the picture. When the stem portion 6 is released, the shutter 5 will be instantly returned to its normal or closed position due to its connection with the spring 8. Obviously, the picture drum may be rotated to any desired position to cause the alining of the pictures with the openings 2 and 4.

If desired, the pictures can be arranged upon an endless form of web moving over rolls or other suitable guides arranged in the casing. This however, is clearly within the scope of the invention.

As indicated, I do not wish to be understood as confining the invention to the particular embodiment chosen for illustration herein, nor to the exact construction, arrangement and adaption of parts shown and described, but I reserve the right to make any changes and alterations that fairly fall within the spirit and scope of the invention.

I claim:

1. In a toy camera, a casing having an opening therein, a rotatable drum supported in the casing provided with a series of pictures movable successively into exposed position behind the opening, a stem pivotally supported in the casing adjacent the opening, and a shutter carried by the inner terminal of the stem movable over the opening and normally concealing the drum, the opposite terminal of the stem being extended exteriorly of the casing to facilitate adjustment of the shutter.

2. In a toy camera, a casing having openings in the opposite ends thereof, and a drum rotatably mounted in the casing having a series of pictures thereon successively movable into exposed position behind one of the openings, a portion of the drum lying laterally of the pictures being disposed adjacent the other opening whereby the drum may be adjusted to successively bring the pictures to the position behind the first mentioned opening.

3. In a toy camera, a casing having openings in the opposed portions thereof, a drum rotatably supported in the casing having oppositely arranged circular series of pictures marked thereon, one series of pictures being visible through the opening in one end of the casing and the other series of pictures being visible through the opening in the other end of the casing.

4. In a toy camera, a casing having openings in opposed portions thereof, and a drum rotatably supported in the casing having oppositely arranged circular series of pictures arranged side by side thereon, one series of pictures being visible through the opening in one portion of the casing and the other series of pictures being visible through the opening in the other portion of the casing.

5. In a toy camera, including a casing having openings formed in the opposed portions thereof, a drum rotatably supported in the casing having a knurled edge disposed adjacent one of the openings to facilitate operation of the drum, said drum having oppositely arranged circular series of pictures arranged thereon visible through the openings in the opposed portions of the casing.

6. In a toy camera, a casing having an exposure opening therein, a drum arranged in said casing behind the opening and provided with a circumferential groove, and a looped wire secured terminally to the casing and engaging in the groove in the drum to rotatably support the latter.

In testimony whereof, I affix my signature hereto.

ALVA L. KERR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."