

A. G. Walton,

Picture Exhibitor.

No. 109472.

Patented Nov. 22, 1870.

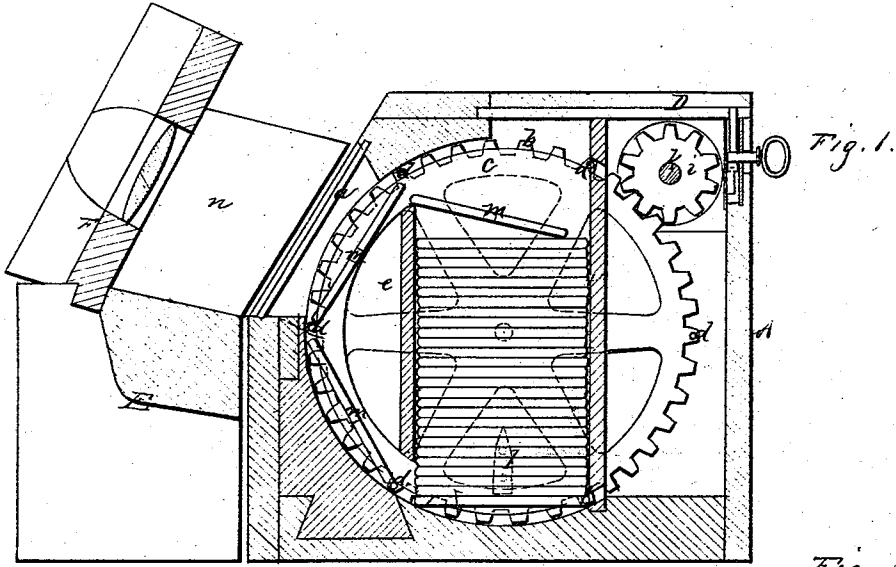


Fig. 1.

Fig. 2.

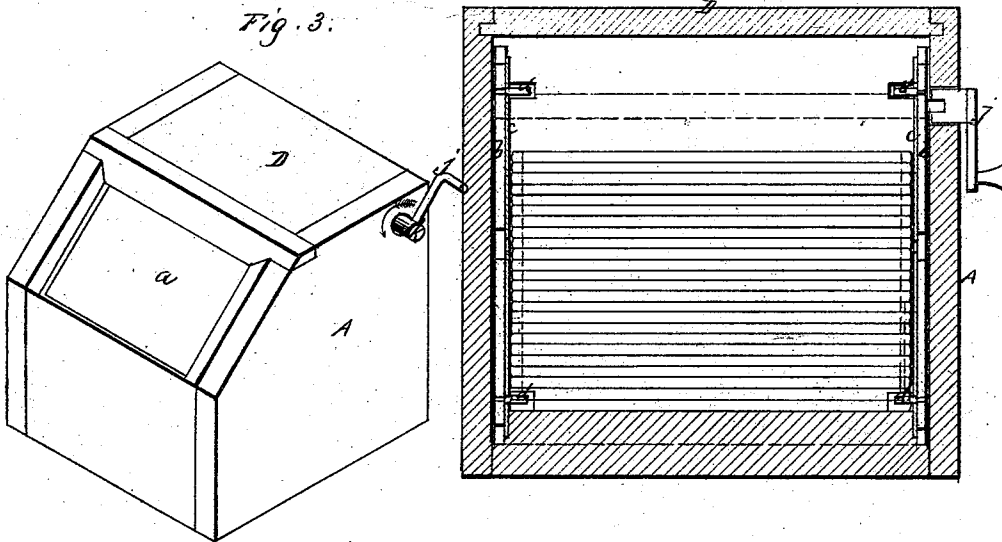


Fig. 3.

Witnesses.

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ALBERT G. WALTON, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 109,472, dated November 22, 1870.

IMPROVEMENT IN DEVICES FOR EXHIBITING PHOTOGRAPHIC PICTURES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ALBERT G. WALTON, of the city and county of San Francisco, State of California, have invented an Improved Device for Exhibiting Photographic Cards and Stereoscopes; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

My invention relates to an improved device for exhibiting cards and pictures of all kinds; and

It consists of a small box in which the pictures or cards, after having been placed in suitable frames, are arranged horizontally in a pile, one above another.

Two wheels, which are driven from the same shaft at opposite ends of the pile of cards, are provided with pins, which, as the wheels revolve, take the cards or frames in succession from the bottom of the pile, and carry them up to the glass window through which the pictures are viewed, and, after carrying them past this point, they drop, with their opposite faces downward, upon the top of the pile in the middle of the box.

After the whole number of cards or frames has been passed around and one side inspected, a continuation of the same motion will cause them to be carried around in the same manner with the opposite sides to the front, thus giving two views for each frame or card in the box.

In order to more fully explain the construction and operation of my invention, reference is had, in the following description, to the accompanying drawing forming a part of this specification, in which—

A represents a box of any desired shape or size. The shape which I prefer is the one here shown, being an ordinary square box with one corner cut away to the desired angle, so as to form a face, into which a pane of glass, *a*, is set. This glass should be nearly equal in size to that of the frames or pictures which are to be viewed through it.

Inside of this box, and lying closely against each side, is a toothed wheel, *b*, and inside this wheel is a circular metallic disk, *c*, between which and the side of the box the wheels *b* revolve, being driven by pinions *i* upon the shaft *h*, which is turned by a crank, *j*.

At stated intervals, equal to the width of the pictures or frames containing them, are pins *d*, which project over the disk *c* toward the inside of the box.

In the front part of the box, and just inside the window *a*, is a D-shaped block, *e*, which is secured with its curved side toward the window and its vertical side toward the middle of the box.

The curved side of this block is set in sufficiently to permit the cards or frames to be carried around by the pins *d* between its convex side and the inner con-

cave of the front of the box, until it reaches the top of the D-shaped block, from which it will drop into the well or space in which the pile of cards lie, with its side opposite to the one which has just been viewed downward.

The cards or pictures are taken up by the pins on the wheels, one after another, until the whole number has been passed around and scrutinized, when, without discontinuing the turning of the crank *j*, the operation will be repeated with the opposite side toward the front, and exposing a new set of pictures.

In order to prevent the pins from carrying along more than one card at a time, conical or wedge-shaped guide-blocks *l* are secured at the lower edge of the disks *c*, opposite to each other, at a height just sufficient to permit one card or frame to be drawn from below it at a time.

The frames or cards are provided with a recess, *m*, at each end, as shown at Figure 4, which, as the cards or frames settle toward the bottom, allow them to slide down past the projection, while the shoulder of the recess, bearing against the projection, prevents them from being moved until they pass below it in a position to be caught by the pins.

The wedge shape of the projection serves to allow the cards to be tilted to one side by the rising of one corner as the lower card or frame is passing out.

The box is provided with a sliding cover, *D*, and a lock is used to secure it in place, so that the pictures cannot be handled or removed, while perfect liberty to examine them is allowed.

Two D-shaped blocks can be used in place of the single block *e*, one being placed at each end of the box.

For examining stereoscopes a rest, *E*, can be employed, with a partition, *n*.

The eye-glasses or lenses for this purpose are fixed in two suitable blocks, *F*, which are hinged together, and which, when opened out, can be attached to the front of the rest by any suitable means.

The blocks *F*, when folded together so that the lenses shall approach each other, furnish a magnifying-glass for examining pictures or other objects.

Instead of the pins *d*, metal or other rods of proper size can be attached to the two wheels, so as to connect them, in which case the driving-shaft, pinions, and teeth on the wheels can be dispensed with, and a knob substituted for the crank.

This device will be an excellent substitute for parlor-albums, as the pictures will be protected while they can be examined at pleasure.

Advertising-cards can also be placed in the box, instead of and together with pictures, and brought into view in the same manner as above described.

In having thus described my invention,

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

1. The wheels *b*, either provided with pins *d* or slats extending entirely across the frame, so as to connect the two opposite wheels, substantially as and for the purpose above described.

2. The D-shaped block *e*, or its equivalent, substantially as and for the purpose above described.

3. The combination of parts above described, by which the pictures or frames are taken from the bottom of the pile and carried in succession in front of the window, and deposited with their opposite sides down in the well, in the manner and for the purpose above described.

4. The conical or wedge-shaped projections, in com-

bination with the recessed picture or card-frame, substantially as and for the purpose above described.

5. The box *A*, provided with a window, in combination with the devices above claimed for bringing the cards or pictures in succession, so as to be viewed through it, substantially as described.

6. The eye-glass blocks, hinged together as described, so as to be convertible into a magnifying-glass, as above set forth.

Witness my hand and seal.

ALBERT G. WALTON. [L. S.]

Witnesses:

GEO. H. STRONG,
G. FITZGERALD.