W. O. BESAW & A. E. McCLANAHAN.

ATTACHMENT FOR CAMERAS.

APPLICATION FILED MAR. 7, 1916.

1,194,700. Patented Aug. 15, 1916.

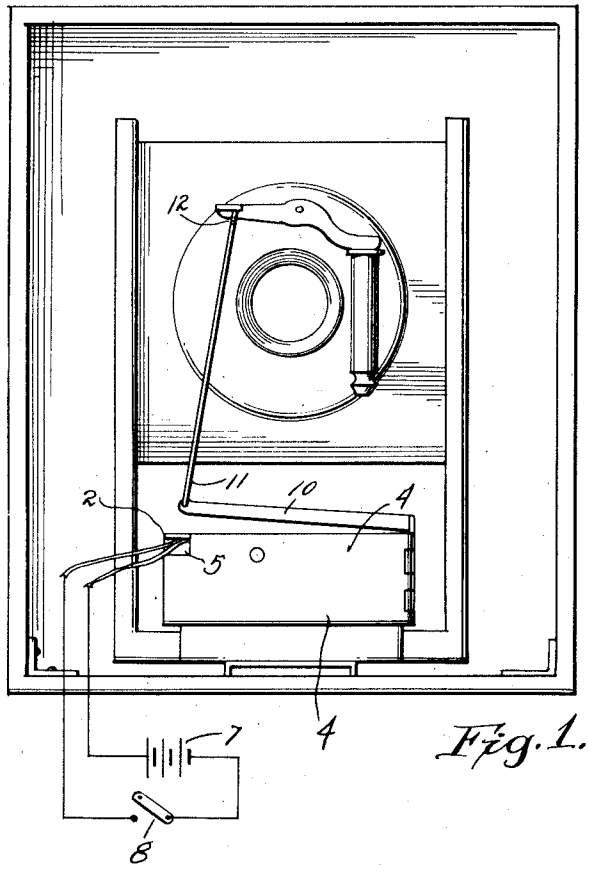
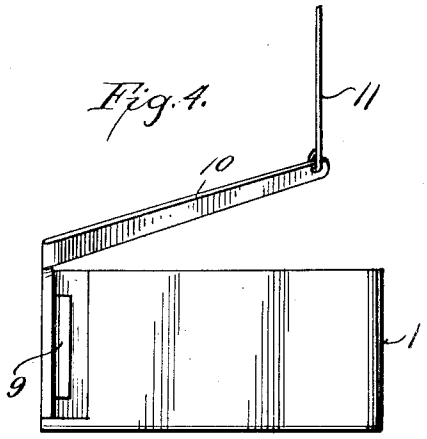


Fig. 1.

Fig. 4.



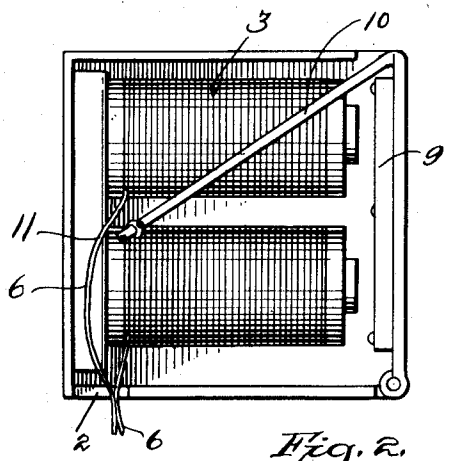
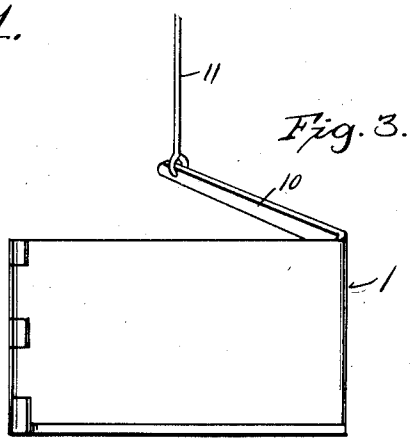


Fig. 2.

Fig. 3.



Witnesses

Inventors

and W. O. Besaw

A. E. McClanahan

By

Attorneys

UNITED STATES PATENT OFFICE.

WILLIE O. BESAW AND ALLEN E. McCLANAHAN, OF REEDLEY, CALIFORNIA.

ATTACHMENT FOR CAMERAS.

1,194,700. Specification of Letters Patent. Patented Aug. 15, 1916.

Application filed March 7, 1916. Serial No. 82,676.

To all whom it may concern:

Be it known that we, WILLIE O. BESAW and ALLEN E. McCLANAHAN, citizens of the United States, residing at Reedley, in the county of Fresno, State of California, have invented certain new and useful Improvements in Attachments for Cameras; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an attachment for cameras.

An object of the invention resides in the provision of a device for operating the shutter of a camera from a point remote from the camera.

A further object of the invention resides in so constructing the device that it will be exceedingly simple and inexpensive to manufacture and so that it may be attached to cameras of various makes without necessitating the alteration of the cameras.

With these and other objects in view, such as will appear as our description progresses, our invention comprises the combination and arrangement of parts as set forth in and falling within the scope of the appended claims.

In the drawing: Figure 1 is a front elevation of our device showing the same attached to a camera; Fig. 2 is a plan view of the device detached and with the cover removed; Fig. 3 is a side elevation of the device showing the manner in which the lever is mounted, and Fig. 4 is a similar view looking at the opposite side of the device.

Referring to the drawing by reference characters wherein like parts are indicated by like characters throughout the several views: In the embodiment of the invention shown in the drawing a casing 1 is provided in the upper edge of one side of which a notch 2 is located. A pair of electromagnets 3 are located in this casing 1 and are disposed horizontally. This casing 1 is provided with a cover 4 which has a notch 5 therein. This notch 5 is adapted to register with the notch 2 in the casing. The cover is so constructed that it extends over one side of the casing and over the top thereof as illustrated in the drawing. The wires 6 of the magnets extend outwardly through the notches 2 and 5 and are connected to suitable batteries which are represented conventionally in Fig. 1 of the drawing and indicated by the character 7. A push-button 8 is interpolated in one of the wires 6 and is adapted to close the circuit from the batteries to the magnets. This push-button may be located at any desirable point for a purpose which will later appear. Hinged to the casing 1 is an armature 9 which is provided with an extension 10. This armature 9 is adapted to move horizontally under the action of the solenoid magnets. Secured to the extension 10 and extending upwardly therefrom is a link 11 which is provided with a hook 12 on its upper end. This hook is adapted to be engaged with the actuating lever of the shutter of the camera.

Referring to Fig. 1 of the drawing wherein the device is shown in conjunction with a camera, it will be seen that when the armature 9 is moved by the magnets that the extension 10, which is located immediately beneath the shutter will be moved away from the shutter so that the link 11 will actuate the shutter of the camera and allow an exposure to be made.

It is our intention to use this device in public places such as in banks and to place the camera in a convenient concealed place where it will be fixedly secured. The push-button will be located at a convenient place within reach of the operator so that it may be used to close the circuit to take the picture of a person entering the bank. This of course will be particularly useful in that the picture of a suspicious character may be taken without his knowledge.

From the foregoing description it will be seen that we have provided a device which may be conveniently attached to cameras of various makes without the alteration of the camera, which device is electrically controlled and is adapted to operate the shutter so as to make an exposure.

While we have illustrated and described a particular embodiment of our invention, it has merely been for the sake of convenience and we do not wish to be limited to that particular embodiment as it is obvious that numerous changes may be made in the details of construction without departing from the spirit of the invention of exceeding the scope of the appended claims.

What we claim is:

1. An attachment for cameras comprising an electromagnet, a pivoted armature for the magnet, an arm extending from the ar-

mature at an angle in position for movement transversely of the axis of the magnet when the armature is moved pivotally and a link connected with the arm of the armature and adapted for connection with the controlling lever of a camera shutter.

2. In an attachment for cameras, the combination with a casing, of a plurality of horizontally disposed electromagnets, a horizontally movable armature having a right angular extension thereon and a link connected to said extension and adapted to be connected to the controlling lever of the shutter of a camera.

In testimony whereof, we affix our signatures in the presence of two witnesses.

WILLIE O. BESAW.
ALLEN E. McCLANAHAN.

Witnesses:
M. C. OLDHAM,
Mrs. E. F. STINSON.