

(No Model.)

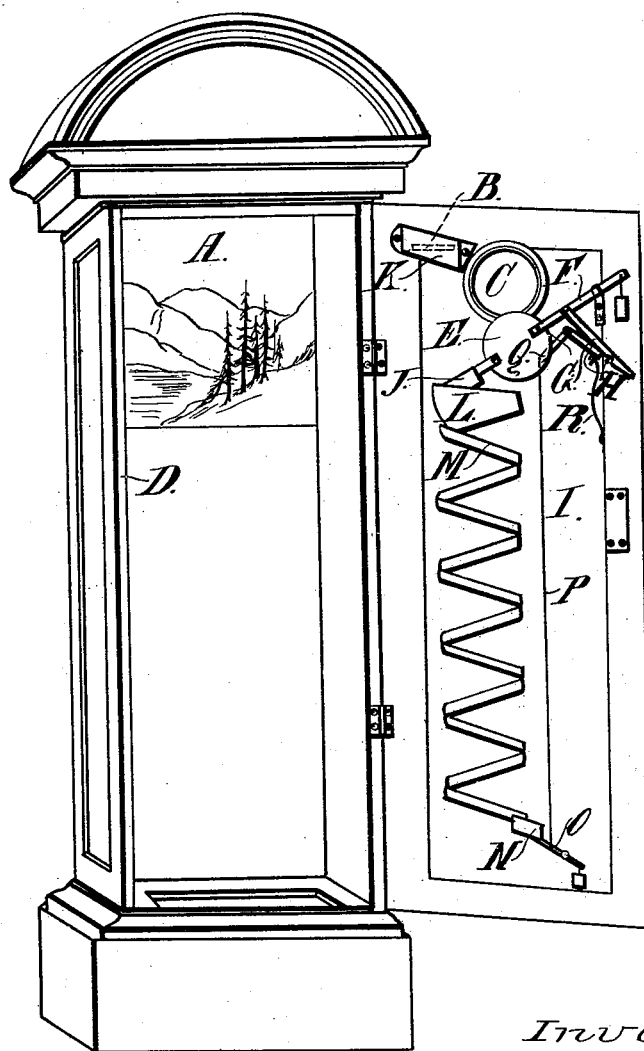
2 Sheets—Sheet 1.

A. BOSSOMAIER.
COIN OPERATED EXHIBITING APPARATUS.

No. 489,285.

Patented Jan. 3, 1893.

Fig: 1.



Inventor:

Alfred Bossomaier

By

McCarroll & Co.

his Attorneys.

Witnesses:

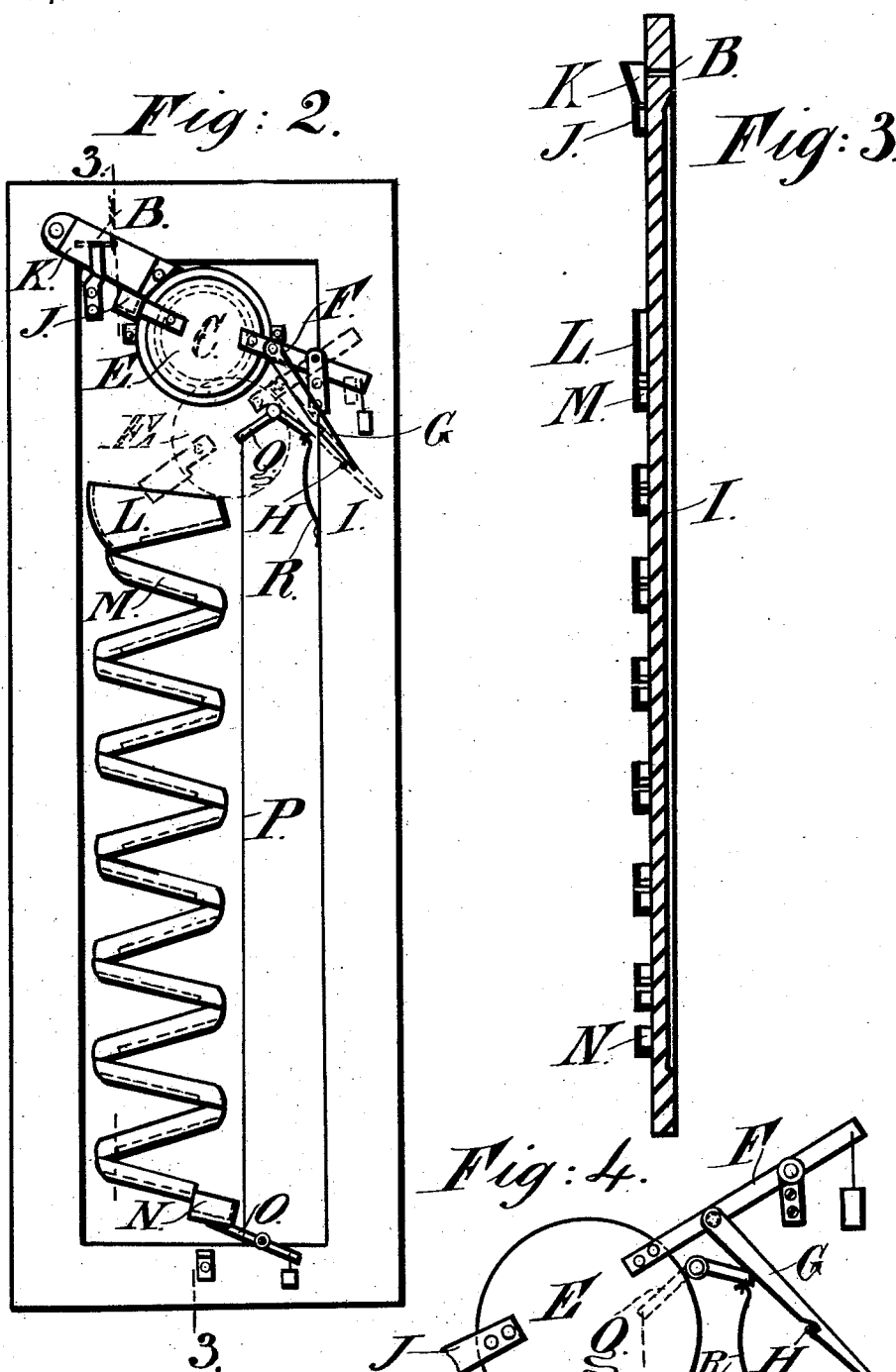
E. R. Bolton

E. K. Sturtevant

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his Attorneys.

UNITED STATES PATENT OFFICE.

ALFRED BOSSOMAIER, OF LAUNCESTON, TASMANIA.

COIN-OPERATED EXHIBITING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 489,285, dated January 3, 1893.

Application filed May 19, 1892. Serial No. 433,591. (No model.)

To all whom it may concern:

Be it known that I, ALFRED BOSSOMAIER, exhibitor's agent, a subject of the Queen of Great Britain, residing at No. 47 Cimitière Street, Launceston, in the British Colony of Tasmania, have invented an Apparatus for Automatically Exhibiting any Object by the Operation of a Coin, of which the following is a specification.

10 This invention consists of an apparatus by which any object such as a view or a picture or a piece of sculpture may be exposed for a certain length of time by the operation of a coin placed in a slot provided for the purpose
15 in the casing of the apparatus.

According to my invention I mount a screen or shutter upon a counterbalanced lever fitted with a retaining catch or pawl and having at its end a receptacle adapted to receive the
20 coin passed through the slot in the casing of the apparatus. This retaining catch or pawl (when the lever carrying the screen or shutter is depressed by the weight of the coin) is moved into engagement with a pivoted lever
25 which is connected by a cord with a trip lever on to which the coin falls after it has passed down a series of inclines arranged so as to form a zig-zag each of which is provided with a slot in its lower end to enable the coin to
30 fall through on to the top of the next incline. The effect of the coin falling on to this trip lever is to release the screen or shutter carrying lever and thus allow it to return the screen or shutter to its normal position, that is, so as
35 to cover the view, picture or other object that has been exposed. The time occupied between the first movement of the screen or shutter and its return is of course determined by the length and slope of the inclines down which
40 the coin has to travel as above described.

The screen or shutter used for covering the view, picture or other object may be arranged to move either up or down in order to expose such object to view.

45 Referring to the accompanying drawings: Figure 1 is a perspective view of my improved apparatus showing the door open in order to better illustrate the arrangement of the mechanism for operating such apparatus. Fig. 2 is
50 a front elevation of said door drawn to a larger scale in order to better illustrate the construction of the appliances which are arranged to

expose the picture or other object to be viewed. Fig. 3 is a vertical transverse section on line 3, 3, Fig. 2. Fig. 4 is a front elevation of part
55 of said mechanism showing it removed and drawn to a larger scale.

The same letters of reference indicate the same parts in all the figures.

A, Fig. 1 represents the picture or other ob-
60 ject which is to be exhibited, upon a coin being placed within the slot B formed in the door or other convenient part of the apparatus while C represents the small glass win-
65 dows through which said picture or other object can be seen from the outside of the casing D of the apparatus.

E represents a screen or shutter which is mounted upon a counterbalanced lever F and which is normally opposite to the sheet of
70 glass or window C so as to prevent the people from seeing what is inside the casing D. The lever F carrying this screen or shutter E is fitted with a retaining catch or pawl G which
75 when said lever is depressed by the weight of a coin is arranged to be engaged by a pin H projecting from the door I of the apparatus, and the outer end of said lever F is fitted with a coin receptacle J into which the coin drops
80 from the first receptacle K into which it has passed through the slot B.

L represents another receptacle which communicates with a series of zig-zags M leading down to near the bottom of the door I and is
85 arranged to deliver the coin into a receptacle N on the end of a lever O which is connected by a cord P to a bell crank lever Q whose outer end bears against the retaining catch or
90 pawl G so that if partially rotated it will force said catch G outward out of engagement with its retaining pin H. A spring R is connected to the bell crank lever Q and always tends to return it to its normal position.

The operation of my invention is as follows: Upon a coin of predetermined size and weight
95 being placed within the hopper or first receptacle K through the slot B it slides down the inclined surface of said receptacle and falls into the second receptacle J upon the lever F thereby depressing said lever and carrying
100 the screen or shutter E down away from the window C. The effect of this movement will be to cause the catch G to engage with the pin H and thereby retain the lever F and there-

fore the screen or shutter E in their lowered positions. The coin then rolls out of the receptacle J into the receptacle L communicating with the series of inclines M down which
5 it travels slowly and finally falls into the lower receptacle N thus depressing said receptacle and causing the lever O supporting same to partially rotate the bell crank lever Q so as to force the catch G out of engagement with the pin H and thus allow it to-
10 gether with the screen or shutter E to rise into their normal positions so as to once more shut off the view of the picture or other article A. The spring R then returns the bell crank lever Q to its normal position ready for a fresh
15 operation.

It will be readily understood that although my improved apparatus is simple and inexpensive in construction it will expose a picture or other article for a certain time upon
20 the insertion of a coin of predetermined weight and size within the slot B provided for the purpose in the casing of said apparatus.

Having now particularly described and as-
25 certain the nature of my said invention and in what manner the same is to be performed I declare that what I claim is:

1. In an automatic exhibiting apparatus, the combination of the casing having an open-

ing for viewing the picture, and a coin open- 30
ing, the movable screen E, arranged to close the said view opening, the catch for holding the screen in moved position, the zigzag conduit for the coin, a trip lever O at the end of the said conduit arranged to be operated by 35
the coin, the connections between the said trip lever and the screen catch for releasing the screen and permitting it to return to normal position substantially as described.

2. In combination the casing having a view 40
opening, a screen or shutter for closing the same normally, the lever carrying the said shutter, the catch for holding the lever with the shutter in moved position to keep the view unobstructed, the coin conduit, the said 45
screen lever being arranged at the upper end of the conduit to be operated by the coin as it is introduced, the coin receptacle and the means located at another part of the conduit and also adapted to be operated by the coin 50
before it is discharged into its receptacle, the said means being arranged to release the shutter, substantially as described.

ALFRED BOSSOMAIER.

Witnesses:

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