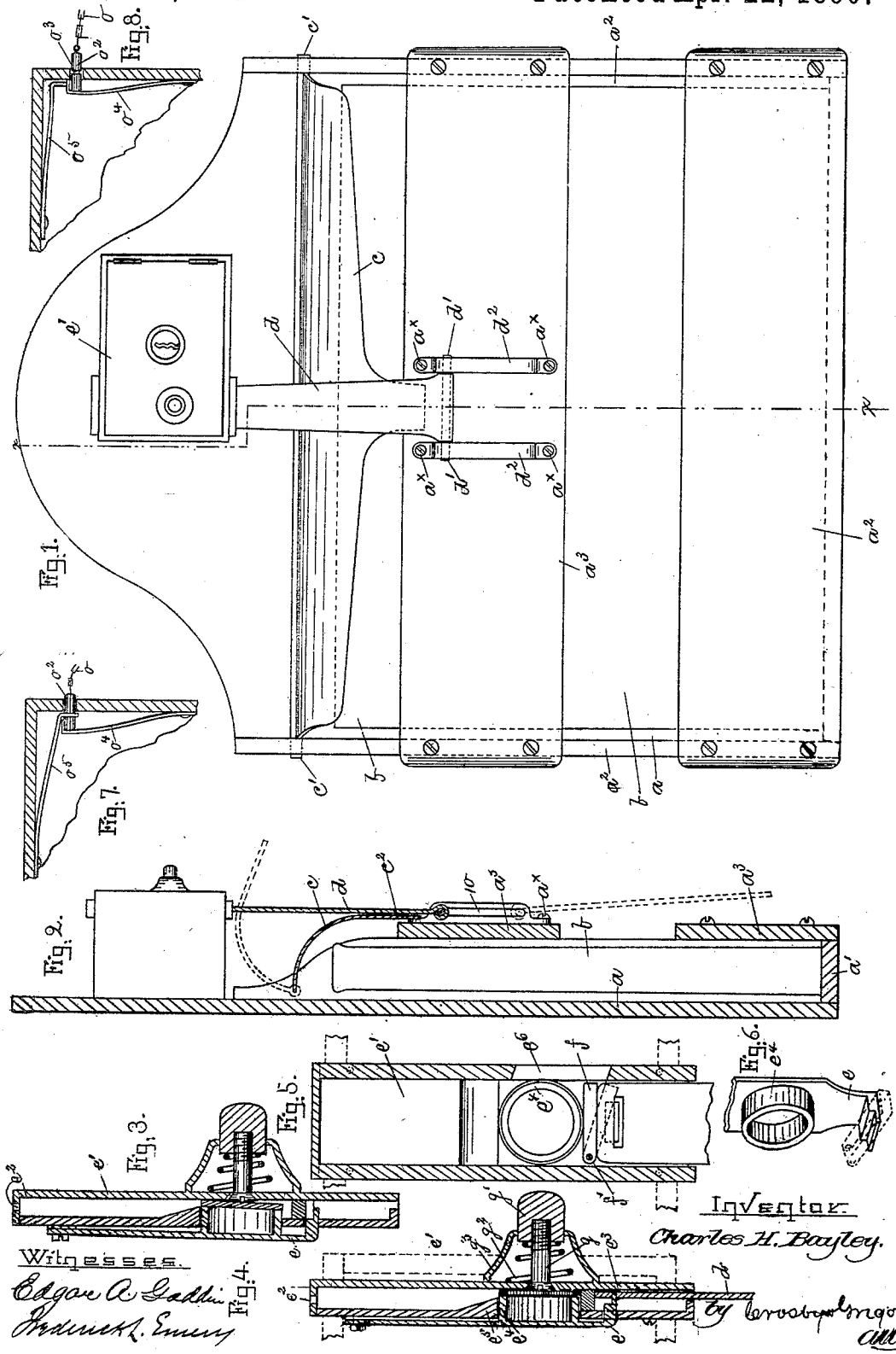
(No Model.)

C. H. BAYLEY.

COIN OPERATED HOLDER FOR BOOKS OR OTHER ARTICLES.

No. 426,098. Patented Apr. 22, 1890.



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UNITED STATES PATENT OFFICE.

CHARLES H. BAYLEY, OF BOSTON, MASSACHUSETTS.

COIN-OPERATED HOLDER FOR BOOKS OR OTHER ARTICLES.

SPECIFICATION forming part of Letters Patent No. 426,098, dated April 22, 1890.

Application filed January 16, 1890. Serial No. 337,139. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. BAYLEY, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Coin-Operated Holders for Books or other Articles, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to construct an automatic apparatus by which books, papers, magazines, or other articles held in a suitable frame or box may be rendered accessible, so as to be removed and read or used, but only after the placing of a coin in certain releasing mechanism to be described.

In accordance with my invention a book, magazine, paper, or other article is held in a frame or box by suitable locking mechanism, the latter having co-operating with it certain releasing mechanism constructed and arranged to be operated by a coin to release the locking mechanism.

The book or other article is shown as attached to the frame by a chain or cord, so that it cannot be carried away, said chain or cord being, however, detachable to enable the book or article to be changed one for another.

Figure 1 shows in front elevation a frame or box for holding books and other articles, it being provided with a locking and releasing device embodying this invention; Fig. 2, a vertical section of the frame and attached devices shown in Fig. 1, taken on the dotted line $x\,x$; Figs. 3, 4, and 5, vertical sectional details of the releasing device to be described, Figs. 3 and 4 showing a coin in the releasing device; Fig. 6, a perspective detail of part of the releasing device; and Figs. 7 and 8, details to be referred to, showing the locking device for the chain or cord.

The frame or box as herein represented consists, essentially, of a back-board a, base a', sides a^2, and front slats a^3, within which is a book b, or it may be other reading matter or article which it is desired to use.

A cap or plate c, herein shown substantially as long as the frame is wide and having journals c' at each end by which to pivot it in the frame or box, constitutes a cover or lid, said plate curved, as shown in Fig. 2, overlapping or closing the opening leading into the frame and having an extension c^2, which terminates near or rests against the upper edge of the upper front slat a^3. The plate or lid c hangs by gravity.

Two guideways d^2 d^2, secured to the base of the front slat a^3 by suitable screws $a^\times$, are slotted at 10 to receive the ends of a rod or journal d' of an arm d, normally held elevated, as shown in Figs. 1 and 2, by means of a releasing device to be described. When the arm d is in its vertical or elevated position, Figs. 1 and 2, it constitutes a locking device for the plate or lid c, preventing it from being raised, the locking device at such time entering a hole e^3 in the arm d and holding it up, as in Figs. 1 and 2.

The releasing device comprising a latch e, (see Figs. 3, 4, and 6,) attached to the rear side of a box-like frame or structure e', has, as shown, a recess or opening at its rear side to permit the entrance of a push-button when a coin is not present, the lower end of the said latch engaging the upper end of the arm d.

The box-like frame of structure e' has a hole or slot e^2 at or near its upper end of sufficient size to receive a coin of any desired denomination, the length of the slot being equal to the diameter of a coin of the desired denomination. The recess in the latch e is surrounded by a suitable projection (shown as an annular flange) e^4, or it may be a socketed boss which projects through an opening formed in the rear side of the box-like frame. The flange e^4 terminates a short distance from the inner side of the front plate of the box-like frame or structure e', the intervening space being substantially equal to the thickness of the coin to be dropped into the frame.

The inner side of the back plate of the box-like structure e' has an inclined guide or projection e^5 to guide the coin into the space between the flange e^4 and the face-plate of the box. The coin when in this position rests upon a platform or bar f, (shown best in Fig. 5,) pivoted at f', said bar normally resting upon the upper end of the arm d.

The face of the box e' has a hole through

it at a point opposite the center of the flange e^4, which hole receives a stud g or push-button having at one end a head g' of any suitable construction, said stud being normally retracted, as in Fig. 5, by means of a spring g^2, and, as herein shown, the spring and stud are for the most part concealed by a cap g^3. The end of the stud g within the box-like frame e' normally lies flush with the inner side of the face thereof, and when a coin is dropped into the box and is held on the pivoted bar f a person by pressing upon the stud or push-button g' will move it and cause the stud to strike against the said coin, and the latter in turn acting on the latch e will move it rearwardly, thus releasing the arm d, which will fall by gravity and permit the bar f to drop onto the outer end of the latch e.

The box-like frame or structure e' has a hole or passage through one of its side walls, as at e^6, (see Fig. 5,) so that a coin dropped into the structure e' will, after the arm d has been released and the bar f has dropped, roll along the inclined upper side of the said bar f and pass out through the said opening e^6 into the main body of the said structure, where it will be retained until the cover of the structure has been opened. The locking device d, having been released, will drop into the dotted-line position, Fig. 2, when the plate or lid c may be lifted and the book or other article may be removed.

To reset the apparatus, the arm d will be pushed up into the box-like frame e' into proper position, lifting the bar f, and thereby permitting the latch to again return to its normal position and engage the arm. Should the stud or push-button g be pressed when a coin is not in place, it will simply enter the recess bounded by the flange e^4.

A flexible connection, as a chain or cord o, is attached to the book, magazine, or other article b to be held in the frame, and the opposite end of the said chain or cord has formed on or attached to it a co-operative part of an auxiliary locking device, (best shown in Figs. 7 and 8,) it consisting of a block, as o^2, having an annular groove o^3, said block passing through a hole in the box or frame e'. A flat spring o^4 bears against the end of the block o^3 to normally press it outward, and another flat spring o^5, having a bifurcated end, bears upon the block o^2, the end thereof entering the annular groove.

To remove the block o^2 the spring o^5 is raised by hand, the top of the box e' being open for such purpose; but to replace the block it is simply pushed against the spring o^4 until the spring o^5 bears down upon and engages it.

Many of the elements comprising this invention may be variously modified, and hence I do not desire to limit my invention to the particular devices shown, for I believe myself to be the first to contrive a frame or box to hold a book or other similar-shaped article locked therein, but which may be taken from the frame or box and read after the introduction of a coin into a releasing device for the locking device.

The box may contain an opera-glass.

I claim—

1. A frame to hold a book or other article, a lid therefor, and a gravity-actuated arm d for the lid, and guideways for said arm d, combined with a releasing device for the said gravity-actuated arm d, the releasing device being composed of a latch and stud for moving it when a coin is interposed between the latch and stud, substantially as described.

2. A frame to contain a book, magazine, or other article, a locking device to retain the frame closed about the article, and a releasing device for the said locking device, combined with a flexible connection to which the article is attached and a spring-actuated locking device, substantially as described, for the said flexible connection, as and for the purpose set forth.

3. A frame to contain a book or other article, a gravity-actuated lid therefor, an arm, as d, co-operating with the lid, and a releasing device for the said arm d, the said releasing device including a latch adapted to engage and hold the said arm d, a flange on said latch, and a stud or push-button adapted to move the latch when a coin is interposed between the said flange and stud, substantially as described.

4. A frame to contain a book or other article, a locking device therefor, consisting of an arm d, adapted to slide in guideways, a releasing device composed of a latch having a projection e^4, and means, substantially as described, for moving the releasing device, combined with a box-like frame or structure having a slot or opening to receive a coin and by co-operation with which the latch is moved, substantially as described.

5. The frame to contain a book or other article, a locking device therefor, a latch having a projection, a push-button, and a box-like frame or structure having an opening to receive a coin and another opening, as e^6, through which the coin is discharged, combined with a pivoted bar f to arrest the coin opposite the push-button to be acted upon, as described, and turn the latch to release the locking device, as and for the purposes set forth.

6. The latch having a recess at the inner side and a pivoted bar to arrest a coin opposite the said recess, combined with a push-button to act on the said coin when present to move the latch, the movement of the push-button when the coin is absent not affecting the said latch, substantially as described.

7. The latch having a recess at its inner side, a pivoted bar to act as a stop for a coin opposite the said recess, and a push-button, combined with a locking device adapted to be engaged by the said latch, the dropping of the said bar engaging a shoulder of the latch and

holding it back until the bar is moved by the locking device, when it is to be re-engaged with the latch, substantially as described.

8. The latch having a recess at the inner side and a pivoted bar to arrest a coin opposite the said recess, combined with a push-button to act on the said coin when present to move the latch, the movement of the push-button when the coin is absent not affecting the said latch, and an exit for the coin, the entrance to which is controlled by said pivoted bar, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES H. BAYLEY.

Witnesses:
GEO. W. GREGORY,
EMMA J. BENNETT.