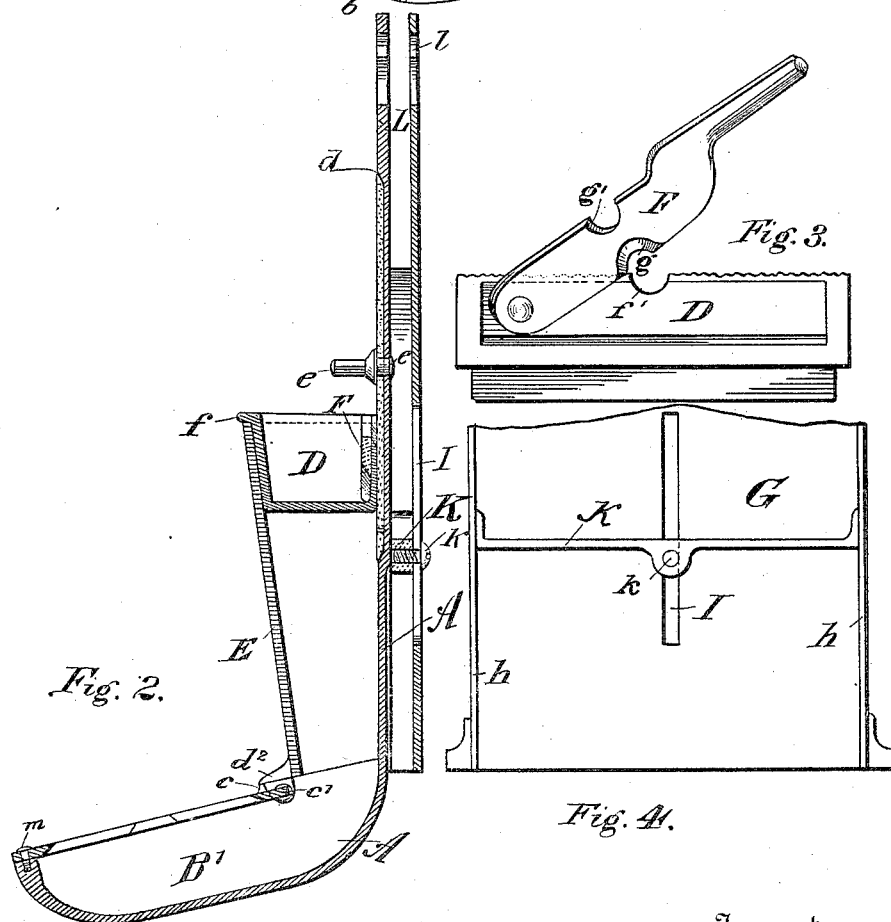
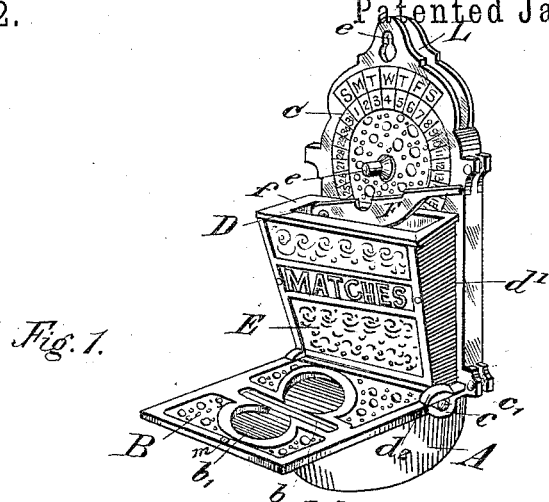


(No Model.)

F. A. HUEHN.
COMBINATION MATCH SAFE.

No. 419,952.

Patented Jan. 21, 1890.



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UNITED STATES PATENT OFFICE.

FREDERICK A. HUEHN, OF CHICAGO, ILLINOIS.

COMBINATION MATCH-SAFE.

SPECIFICATION forming part of Letters Patent No. 419,952, dated January 21, 1890.

Application filed March 6, 1889. Serial No. 302,207. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK A. HUEHN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Combination Match-Safes, of which the following is a specification.

My invention relates to match-safes; and it consists in certain peculiarities of the construction and arrangement of the same, and the novel and useful combinations therein, which will be hereinafter more fully set forth and specifically claimed.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a perspective view of my invention; Fig. 2, a longitudinal section through the center; Fig. 3, a perspective view of the cigar-cutter and removable ash-tray, and Fig. 4 is a view showing the plate and adjustable slide for card-case.

Similar letters refer to similar parts throughout the several views.

Fig. 1 of the drawings represents my invention as it will appear when ready to be used, and shows the card-case, perpetual calendar, and removable ash-tray, with cigar-clipping attachment and match-safe, all combined in one compact and ornamental device and forming an article of utility and attractiveness.

A represents the main frame, having the lower portion curved, as shown, for the purpose of keeping the matches always directly under the slot *b* and openings *b'* for the fingers in the hinged lid B, thus forming the safe B'. This main frame is made of any suitable material, and I preferably cast it in one piece with depressions *c* for the reception and retention of the projections *c'* on the lid B, which form the hinge thereof, as will be readily seen from the drawings.

While I prefer the above construction and have found from experience that it is the cheaper or more convenient, yet I may employ other methods of hinging this lid. It will be observed that I place these depressions *c* on either side of the main frame at a short distance from the back or upright portion of the frame, so as to allow the matches

to pass freely down into the receptacle, as will be more fully explained.

On the upper portion of the back piece of the frame A, I provide the seven initial letters of the days of the week—thus, S. M. T. W. T. F. S.—which letters are cast on the front surface of the main frame and describe a segment of a circle, as is seen in the drawings. Below these letters and on the same side of the main frame is provided a depression *d*, or indentation of circular form for the reception and operation of date-dial C, which fits in said depression flush with the surface of the main frame. Near the periphery of this revoluble dial I provide the figures 1 to 31, inclusive, which represent the days of the month. In the center of the date-dial C and projecting through the same is placed a pin *e*, the projection on the face of the dial forming a thumb-piece to turn the dial, and the projection on the rear being loosely riveted in the main frame to afford an axis upon which the dial may revolve. As is seen in Fig. 1 of the drawings, the numbers are placed near the periphery of the dial and extend around the circle, leaving a space between them and the thumb-piece *e*. In this space I may place the business-card of any firm, thus affording a permanent advertisement. It will also be seen that the figures 1 to 31 are divided by radial lines which correspond with those dividing the initial letters of the days of the week, and that in adjusting the dial so as to afford a calendar for the week these lines serve as a guide. At the top of the main frame is a hole *e'* to be used when it is desired to hang the box on the wall.

E is a box made with three sides and slightly tapering to the bottom. The face of this box may be embellished or ornamented in any suitable manner, or may be a plain surface. On the end pieces *d'* of the same I provide corrugations or a rough surface, against which the matches may be rubbed to ignite them. This box rests upon the lower portion of the main frame and against the upright portion, to which it is secured by small bolts or pins passing through holes in the end pieces, the upright portion of frame A thus forming the other side of box E. The bottom of this box is left open for the pas-

sage of the matches into the safe below. It will be seen that at the bottom of each end piece *d*, I provide a foot or projection *d'*, which rests over the projection *c'* on lid B and completes the hinge therefor.

D is a removable box formed with sufficient taper toward the bottom to allow it to be easily inserted in the top of box E, as seen in the drawings. On the front, side, and end pieces I provide flanges *f* to prevent it dropping down into box E, as will be readily understood. The outer surface of the rear side of this box is corrugated or made with a rough surface for igniting the matches. On the top of this side of the box and about the middle I provide a curved niche *f'*, having its outer portion beveled, and at a suitable point on the same side I loosely rivet a knife F, preferably of form shown in Fig. 3, having on its lower edge an upwardly-curved niche *g*, beveled on its inside so as to operate with a shearing cut with the beveled niche *f'*. On the upper side of the box and opposite the niche *g* is a downwardly-curved niche *g'*, into which the pin *e* fits and which renders the insertion and extraction of the ash-tray D into or out of the box E easy.

G is a metal plate having on its sides flanges *h h*, and provided at its middle with a vertical slot I for adjusting the slide K by means of the set-screw *k*. This plate is removably secured to the back of the vertical portion of main frame A and extends the full length of said vertical portion, as seen in Fig. 2. The flanges *h h* are of suitable dimensions and form the sides of the card-case L, the horizontal slide K forming the bottom, which may be adjusted to suit any sized card by moving it up or down by means of the set-screw *k*, which projects sufficiently to the rear for this purpose, as is shown in Fig. 2. At the top of plate G, opposite the hole *e'*, is provided a similar hole *l* for the nail on which it may be hung.

It will be seen in Fig. 1 that the lid B is provided with a slot *b*, and having on either side thereof a circular opening *b'*, into which the forefinger and thumb are inserted when it is desired to take out a match. It is also obvious that one match only can be taken out at a time, thus avoiding the usual waste. This lid being hinged, may be raised when more than one at a time are wanted; or it may be removed entirely or firmly secured by means of screw *m*.

The foregoing construction enables me to manufacture the article in various forms, and consequently to furnish the trade at different prices—as, for instance, I may make the device complete, as shown in Fig. 1, which embraces the card-case L, the perpetual calendar C, the removable ash-tray, with cigar-clipping attachment D, the match-receiver E, and the safe B, with slotted lid; or I may leave off the plate G, which would leave the device without the card-case; or, if it is so desired, I am able to furnish the device with-

out the ash-tray with cigar-cutter and with the card-case, or without both.

In use my invention is very convenient and useful and affords a pretty ornament for the wall. The various pieces are placed in position and secured together, as before explained. The ash-tray D is removed and the matches are then put into the receiver or box E, which acts as a reservoir to the safe B' below, from which the matches may be taken one by one, or otherwise, as above explained. The removable ash-tray D, with cigar-cutter, will be found convenient for smokers to clip their cigars and to hold the ashes; or it may be used as a small match-box, as is evident. It is obvious that the calendar requires "setting" only once a week, and that is done by turning the date-dial to the desired point. The use of the card-case is obvious and does not need explanation.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As an article of manufacture, a combination match-safe consisting of the main frame A, having its lower portion curved to form the receptacle B', depressions *c*, for the reception of the projections *c'* on lid B, whereby a hinge is formed, the depression *d*, for the reception of the date-dial C, having cast thereon the figures 1 to 31, inclusive, and having at its center the pin *e*, and above the depression *d* the seven initial letters of the days of the week cast on the main frame, in combination with the tapering box E, secured to the frame and having corrugated ends *d'* and feet *d''* resting on the depressions *c*, and the lid B, having the projections *c'* in the depressions *c*, substantially as shown and described, and for the purpose set forth.

2. As a new article of manufacture, a combination match-safe consisting of the main frame A, having depressions *c* and *d*, receptacle B', initial letters S. M. T. W. T. F. S. cast thereon, in combination with the date-dial C, having figures 1 to 31, inclusive, cast thereon, and pin *e*, and secured to the main frame in the depression *d*, the lid B, having projections *c'* resting in the depressions *c*, the tapering box E, secured to the frame and having corrugated ends *d'* and feet *d''* resting over the depressions *c*, the removable ash-tray D, having the cigar-cutter F and adapted to fit in the upper part of the box E, substantially as shown and described, and for the purpose set forth.

3. As an article of manufacture, a combination match-safe consisting of the main frame A, having depressions *c* and *d*, receptacle B', letters S. M. T. W. T. F. S. cast thereon in a segment of a circle, in combination with the date-dial C, secured to the frame in the depression *d*, and having figures 1 to 31, inclusive, cast thereon, and pin *e*, the lid B, having projections *c'* resting in the depressions *c*, the tapering box E, secured to the frame and having feet *d''* resting on the de-

- pressions *c* over the projections *c'*, forming a hinge, the ash-tray D, having flanges *f*, depression *f'*, knife F, having niches *g g'*, adapted to fit in the upper part of the box E, the removable plate G, having flanges *h*, slot I, slide K, and adjusting-screw *i*, secured to the rear of the main frame and forming the card-holder L, substantially as shown and described, and for the purpose set forth.
- 10 4. As an article of manufacture, a combination match-safe consisting of the main frame A, having depressions *c*, and receptacle B', in combination with the lid having projections *c'* resting in the depressions *c*, the tapering box E, secured to the main frame, having
- 15 feet *d*² resting on the depressions *c* and over the projections *c'*, forming a hinge, the removable ash-tray D, having flanges *f*, depressions *f'*, knife F, having niche *g* and adapted
- 20 to fit in the upper part of box E, the removable plate G, having flanges *h*, slot I, slide K, set-screw *i*, and secured to the rear of the frame A, substantially as shown and described, and for the purpose set forth.
- 25 5. As an article of manufacture, a combination match-safe consisting of the main frame A, having depressions *c*, and receptacle B', in combination with the lid B, having projections *c'* resting in the depressions *c*, the
- 30 tapering box E, having feet *d*² resting on de-

pressions *c* and over the projections *c'*, forming a hinge, the removable ash-tray D, having flanges *f*, depressions *f'*, knife F, having niche *g* and adapted to fit in the upper part of the box E, substantially as set forth. 35

6. As an article of manufacture, a combination match-safe consisting of the main frame A, having depressions *c*, and receptacle B', in combination with the lid B, having projections *c'* resting in the depressions *c*, the 40 tapering box E, secured to the frame and having corrugated ends *d'* and feet *d*² resting on the depressions *c* over the projections *c'*, forming a hinge, substantially as set forth.

7. As an article of manufacture, a combination match-safe consisting of the main frame A, having depressions *c*, and receptacle B', in combination with the lid B, having projections *c'* resting in depressions *c*, forming a 45 hinge, and the removable plate G, having 50 flanges *h*, slot I, slide K, and adjusting-screw *i*, and secured to the rear of the main frame, substantially as set forth.

In testimony whereof I have hereunto set my hand and affixed my seal this 4th day of 55 March, A. D. 1889.

FREDERICK A. HUEHN. [L. S.]

In presence of—

CHAS. C. TILLMAN,
DANL. A. RAY.