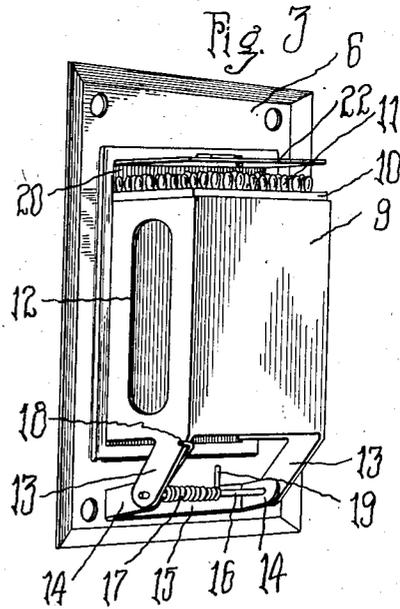
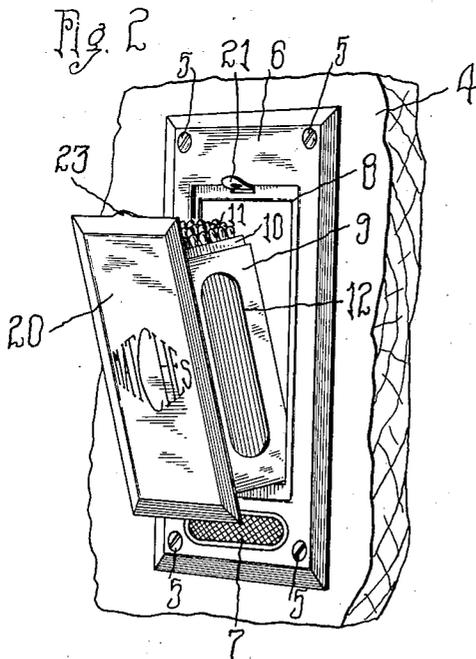
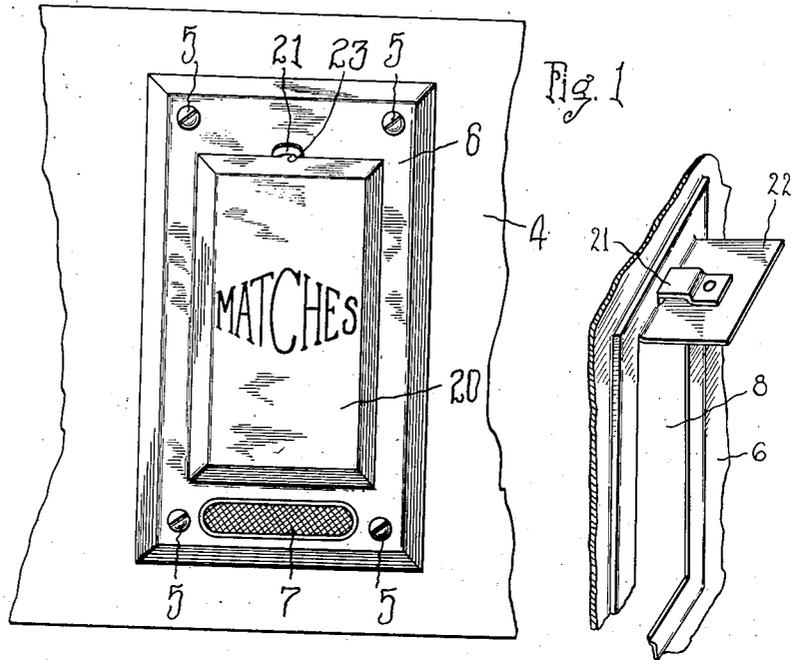


J. BERGE.
 PANEL MATCH SAFE.
 APPLICATION FILED MAY 1, 1920.

1,371,193.

Patented Mar. 8, 1921.



Witness:
[Signature]

Inventor
 Joseph Berge
 Attorneys
 Blackmore, Spencer & Flint.

UNITED STATES PATENT OFFICE.

JOSEPH BERGE, OF FLINT, MICHIGAN.

PANEL MATCH-SAFE.

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To all whom it may concern:

Be it known that I, JOSEPH BERGE, a citizen of the United States, and a resident of Flint, county of Genesee, and State of Michigan, have invented certain new and useful Improvements in Panel Match-Safes, of which the following is a full, clear, concise, and exact description such as will enable others skilled in the art to which the invention relates to make and use the same, reference being made therein to the accompanying drawings, which form a part of this specification.

My invention relates to match safes, and particularly to match safes in which the matches are normally held in a position in which they are inclosed and protected, and hidden from view, but which safe may be readily opened to expose the matches and permit the removal of a match from the safe for use.

The object of my invention is to provide an improved match safe of the panel type designed to be secured in an opening provided in a vertical wall of any kind such, for example, as in the dash or instrument supporting board or other exposed surface of an automobile or similar vehicle, in an opening provided in the casing or paneling of a railway or other coach, in an opening provided in a vertically disposed panel or trim member of a room, and in fact any location wherein a vertically extending member or support is present to which the safe may be secured, and in which an opening may be provided for the reception of the match safe.

A further object of my invention is to provide a match safe of the panel type above referred to which when in its closed position will be substantially flush with the surface of the panel or other support to which the same is secured, but which match safe may be readily opened and its contents exposed to permit a match to be removed therefrom.

A further object of my invention is to provide an improved match safe which will automatically open upon the release of a holding member which acts to normally hold the same in a closed condition; such opening movement being accomplished by a spring associated with the match safe and which spring is normally under tension, so that when the holding means is released the safe will be automatically opened by the spring.

A further object of my invention is to provide an improved match safe of the class or type above referred to and which is especially adapted to receive and hold the ordinary small size box of safety matches, and in which provision is made whereby the matches may be struck upon the box in accordance with the usual practice in using matches of the kind commonly referred to as safety matches.

With the above and other objects of invention in view my invention consists in the improved panel match safe illustrated in the accompanying drawing and hereinafter described and claimed, and in such variations and modifications thereof, within the scope of the concluding claims, as will be obvious to those skilled in the art to which my invention relates.

Referring now to the drawing wherein the preferred embodiment of my invention is illustrated:

Figure 1 is a view showing my improved match safe as seen in elevation, and from a position in front thereof; the same being in its closed condition and secured in place within an opening provided for its reception in a vertically extending wall, panel, or equivalent support.

Fig. 2 is a view showing my improved match safe in perspective, and in its open position; to permit the selection of a match and the striking thereof upon a box provided with a striking surface and supported within the safe.

Fig. 3 is a perspective view showing my improved match safe in its closed position, and as it would appear if viewed from a position back of the panel or other support whereby the same is supported.

Referring to the drawing, the reference numeral 4 designates a suitable substantially vertically disposed wall, panel, or other surface within an opening in which my improved match safe is supported and secured in place, as by means of screws 5; while the reference numeral 6 designates the external frame or supporting plate of the safe and the periphery of which frame extends beyond and conceals the edges of the opening within which the match safe as a whole is secured. This frame is shown as substantially rectangular in form; although it will be appreciated that the same may be made in other forms and may be variously embellished as regards its shape, configuration,

surface ornamentation, and general appearance. This frame may be provided with a roughened striking surface 7 upon which matches may be struck if, for example, the matches stored within the safe are of the friction type which may be ignited by contact with a rough surface, as distinguished from being struck upon the box which, is provided with a chemically active striking surface, as is the case with the ordinary safety match.

The supporting frame 6 is provided with a central opening 8, and the reference numeral 9 designates a swinging receptacle operable within the said opening and the lower end of which is pivotally connected with said frame, so that the receptacle as a whole may swing into and out from the opening, as clearly shown in Figs. 2 and 3 of the drawing. The upper end of this receptacle is open so that a box 10 containing matches 11 may be placed within a receptacle, which is preferably made of a size corresponding, approximately, with the size of an ordinary box of safety matches; the lower end of said receptacle being ordinarily provided with a filling block not shown, so that when a box of matches is inserted into the receptacle after breaking out the end of the inner container, or after removing the matches from the inner box and inserting them into the exterior casing thereof, the ends of the matches will lie in a position somewhat above the upper end of the exterior casing of the box and may be readily grasped to remove a match from the box.

The receptacle 9 is preferably provided with openings 12 in its side walls which overlie and permit access to the striking surfaces of the box of an ordinary box of safety matches held within the receptacle, so that when the safe is in the open condition shown in Fig. 2 a match may be removed from the box and struck upon the striking surface thereof. The safe is held closed with the receptacle 9 lying behind the frame 6 and thus hidden from view by means of cooperating holding members at the upper end of the match safe; and a suitable spring is operatively associated with the receptacle 9, which spring is normally under tension and acts to swing the safe into the open position in which it is shown in Fig. 2 when the holding means at the upper end of the receptacle is released.

The pivotal connection between the lower end of the receptacle 9 and the supporting plate or frame 6 may be formed in various ways as, for example, by providing depending arms 13 at the lower end of said receptacle and located at opposite sides thereof, and the lower free ends of which arms are connected with ears 14 at the ends of a suitable bar 15; a hinge connection being pro-

vided between the said arms and ears by means of a pin 16 extending through-holes provided in said members, as is clearly shown in Fig. 3 of the drawing. In the embodiment of my invention illustrated the spring 17 which tends always to move the receptacle 9 outward surrounds the pin 16, and the ends 18, 19 of said spring abut, respectively, against the inner surface of the frame 6 and against one of the arms 13; and the said arms come into contact with the inner surface of the frame adjacent the under side of the opening 8 at the end of the opening movement of the safe to thereby limit the outward swinging movement of the receptacle 9. It will be appreciated, however, that various forms of hinge and spring mechanism, and various arrangements thereof, may be employed, so long as the mechanism in question is one which acts to bring about the swinging of the receptacle out of the opening 8 when the match safe is to be opened.

Attached to the receptacle 9 or formed integrally therewith as a part thereof is a cover plate 20 which when the safe is in its closed position closes the opening 8 into and out of which the said receptacle swings, and lies flush with the exterior exposed surface of the frame 6 when the safe is closed; thereby providing a match safe which when in its closed condition has no projecting parts, or at least no parts which project to a substantial extent beyond the plane of the panel 4 or equivalent member to which the safe is secured.

In the embodiment of my invention illustrated in which the frame or plate 6 is made from sheet metal the match safe is held in its closed condition by means of a spring catch 21 secured to an inwardly extending guard plate 22 formed by bending a piece of metal cut free along its two sides in forming the opening 8, inward, but which guard plate may in fact be otherwise provided. This guard plate lies above the upper ends of the matches when the safe is closed and prevents them from jumping upward within the box, and perhaps out therefrom if the panel in which the safe is secured is quite thin, due to a vibration of the vehicle when the safe is used in a vehicle; and the said catch 21 is provided with a depression adjacent its free outer end which engages a projection 23 at the upper end of the cover plate 20 of the receptacle 9. It will be appreciated, however, that other forms of cooperating holding members may be provided for holding the match safe in its closed condition; so long as the general construction and arrangement of the parts is such that when the holding means is released the spring or equivalent opening device associated with the receptacle 9 will act to swing

the same out of the opening 8 of the plate 6, to thereby expose the matches and permit their removal and use.

Having thus described and explained my invention, I claim and desire to secure by Letters Patent:

1. A panel match safe of the class described comprising a supporting frame having an opening; a swinging receptacle open at its upper end and adapted to move into and out of the opening in said frame, and the side walls of which receptacle are provided with openings; two oppositely located arms depending from the lower end of said receptacle; two ears carried by said frame and located below the lower end of the opening therein; a pivot pin extending through holes provided in said arms and in said ears and whereby said receptacle is pivotally connected with said frame; a spring surrounding said pin and the ends of which bear respectively against said receptacle and against the inner surface of said frame; a cover plate carried by said receptacle and adapted to close the opening in said frame and to lie substantially flush therewith when the match safe is closed; and a holding member carried by said frame and located adjacent the upper end of the opening therein, and which holding member is adapted to engage the upper end of said cover plate to thereby hold said receptacle in place within said opening against the action of said spring and the match safe in its closed condition.

2. A panel match safe of the class described comprising a supporting frame having an opening; a swinging receptacle the upper end of which is open, and which receptacle is adapted to swing into and out from said opening; two oppositely located arms at the lower end of said receptacle; two ears spaced apart from one another and located below the lower end of the opening in said frame; a pivot pin extending through holes provided in the extremities of said arms and said ears; a spring surrounding said pin and the ends of which act against said frame and against said receptacle, and which spring normally tends to swing said receptacle out of said opening; and holding means located adjacent the upper end of the opening in said frame and adapted to hold said receptacle in place within said opening.

3. A panel match safe of the class described comprising a supporting frame having an opening; a swinging receptacle the upper end of which is open and the lower end of which is provided with two oppositely disposed arms; two ears located below the lower end of said opening and with which the ends of said arms are pivotally connected; a spring operatively associated with said receptacle and adapted to swing the same out of said opening; and a catch lo-

cated at the upper end of said opening and adapted to engage said receptacle to thereby hold the same in position within the opening of said frame, and with its outer surface substantially flush with the surface of said frame.

4. A panel match safe of the class described comprising a supporting frame having an opening; a swinging receptacle the upper end of which is open and the lower end of which is pivotally connected with said frame, and which receptacle is adapted to swing into and out of said opening; a cover plate secured to said receptacle and adapted to close the opening in said frame and to lie substantially flush therewith when the match safe is closed; a spring operatively associated with said receptacle and acting to swing the same about its pivotal support out of said opening; and means for holding said receptacle in place within the opening in said frame and in opposition to the action of said spring, to thereby hold the match safe in its closed position.

5. A panel match safe of the class described comprising a supporting frame having an opening; a swinging receptacle the upper end of which is open and the lower end of which is pivotally connected with said frame, and which receptacle is provided with openings in its side walls and is adapted to swing into and out of the openings in said frame; means operatively associated with said receptacle and acting to swing the same out of the opening in said frame; and means for holding said receptacle in place within said opening and with its exterior surface substantially flush with said frame.

6. A panel match safe of the class described comprising a supporting frame having an opening; a swinging receptacle the upper end of which is open and the lower end of which is pivotally connected with said frame, and which receptacle is adapted to swing into and out of said opening; means operatively associated with said receptacle and acting to swing the same about its point of pivotal support out of said opening; and holding means adapted to hold said receptacle within said opening, with its outer surface substantially flush with said frame.

7. A panel match safe of the class described comprising a supporting frame having an opening; a swinging receptacle the upper end of which is open and the lower end of which is pivotally connected with said frame, and which receptacle is adapted to swing into and out of said opening; means operatively associated with said receptacle and acting to swing the same about its point of pivotal support out of said opening, holding means adapted to hold said receptacle within said opening; and an inwardly extending guard plate carried by said sup-

porting frame and located adjacent the upper end of the opening aforesaid provided therein.

5 8. A panel match safe of the class described comprising a supporting frame having an opening; a swinging receptacle the upper end of which is open and the lower end of which is pivotally connected with said frame, and which receptacle is adapted
10 to swing into and out of said opening; hold-

ing means adapted to hold said receptacle in place within said opening when said receptacle is swung thereinto and the safe is closed; and a relatively stationary guard plate located adjacent the upper end of said opening and overlying the upper end of said receptacle when the safe is closed. 15

In testimony whereof I affix my signature.

JOSEPH BERGE.