J. A. STABEL.

MATCH SAFE.

APPLICATION FILED APR. 22, 1915.

1,209,510.

Patented Dec. 19, 1916.

2 SHEETS—SHEET 1.

Fig. 1.

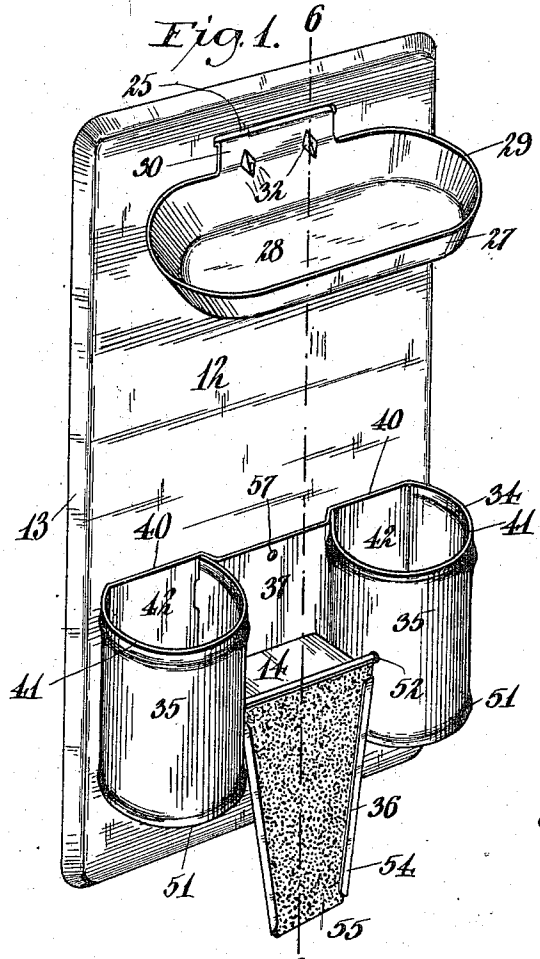


Fig. 2.

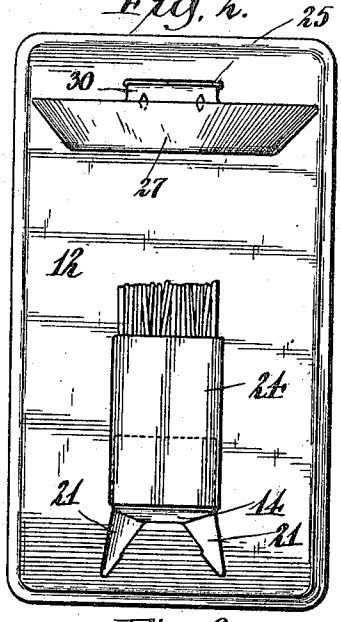


Fig. 3.

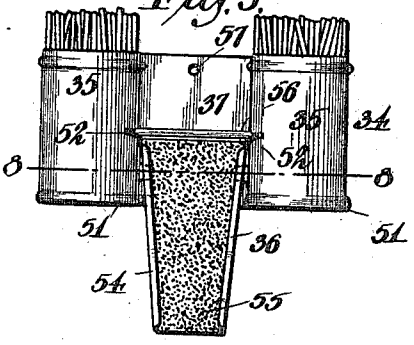


Fig. 4.

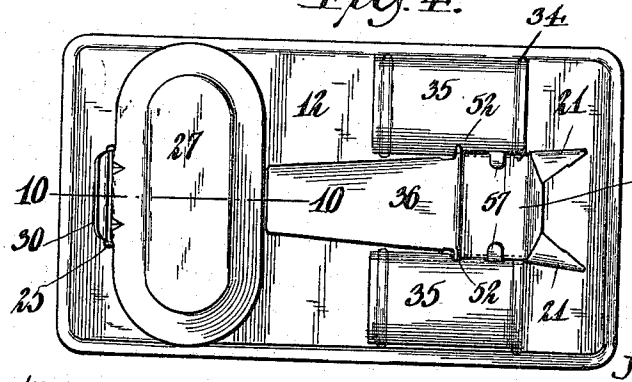
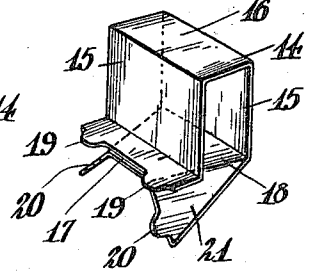


Fig. 5.



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2 SHEETS—SHEET 2

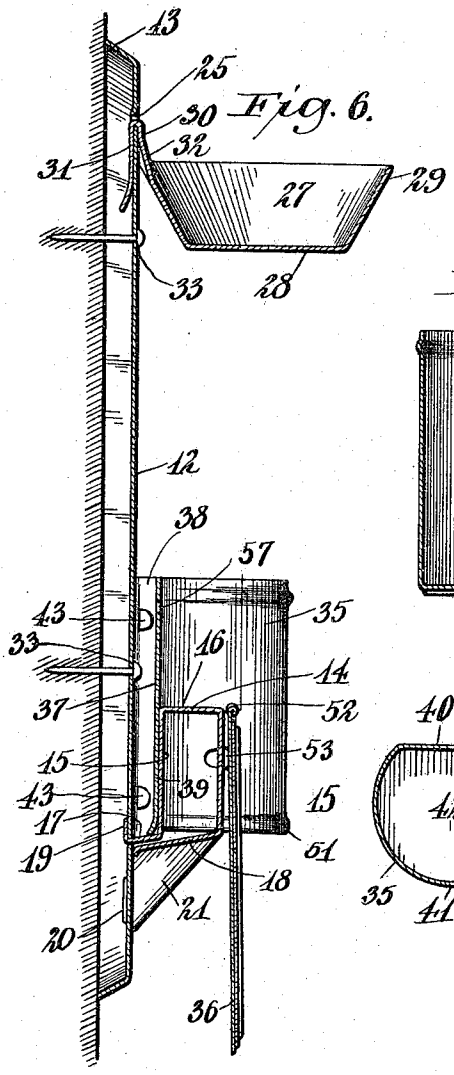


Fig. 6.

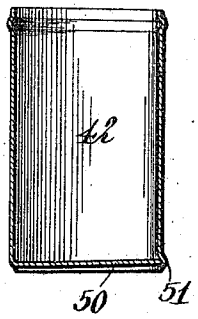


Fig. 9.

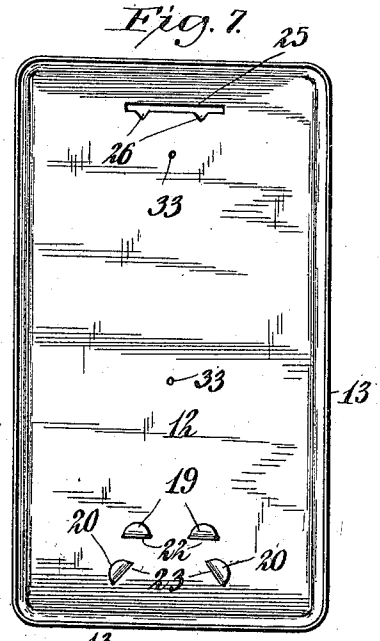


Fig. 7.

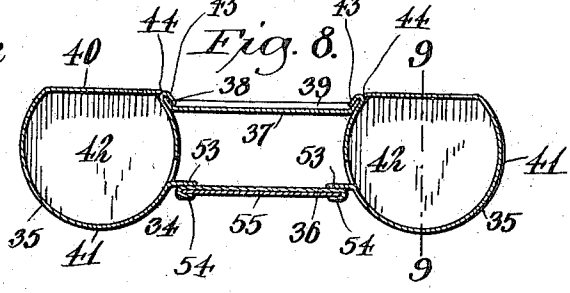


Fig. 8.

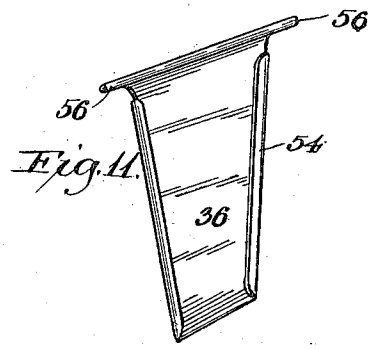


Fig. 11.

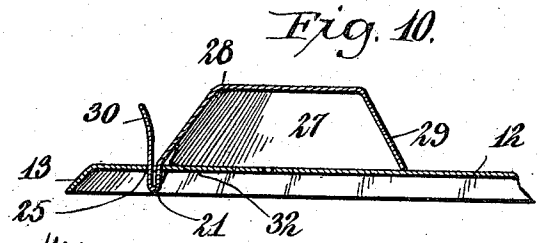


Fig. 10.

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MATCH-SAFE.

1,209,510. Specification of Letters Patent. Patented Dec. 19, 1916.

Application filed April 22, 1915. Serial No. 23,262.

To all whom it may concern:

Be it known that I, JOHN A. STABEL, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Match-Safes, of which the following is a specification.

My invention relates to match safes, and more particularly to a convertible match safe by means of which ordinary friction matches may be conveniently retained in a safe manner and in which provision is made for holding a box of safety matches, such as usually have a specially prepared striking surface against which the match must be struck in order to ignite the same.

The invention contemplates the use of parts of this match safe separately so that in one part the common friction matches may be kept for use and on the other a box of safety matches may be held.

A further object of my invention is to provide a detachable receptacle for burned matches so that when filled it may be conveniently removed and the burned matches emptied therefrom.

A further object of my invention is the provision of a match safe which is adapted to be secured to a wall and which is provided with receptacles for matches, a receptacle for burned matches, and with a striker plate against which matches are to be struck in order to ignite the same.

It further has for its object the provision of a striker plate provided with sand paper, emery cloth, or any other abrasive material held removably thereto so that when worn it may be easily removed and replaced with a new abrasive element.

A further object of my invention is to provide means on a match safe for holding a box of safety matches, or a receptacle or receptacles for the ordinary friction matches.

Still further objects are the provision of a match safe having match receptacles, a striker element movably applied thereto, all arranged so that the position of the striker element may be changed and the position of the receptacle for burned matches altered to the end that these parts be positioned in more compact form for shipping.

My invention consists in a suitable support and a detachable receptacle for burned matches.

It also consists in a suitable support, a holder for a box of safety matches secured to said support, a detachable receptacle for burned matches adapted to be applied to said support in either of two positions, one to receive the burned matches and retain the same and the other to retain said receptacle on the support in more compact form for shipment.

It further consists in a match safe, a suitable support, a holder secured to said support for holding a box of safety matches, and a receptacle or receptacles for ordinary matches adapted to be applied to said holder in lieu of a box of safety matches.

It further consists in the novel features of construction and in the arrangement and combination of parts to be hereinafter described and particularly pointed out in the subjoined claims.

In the drawings,—Figure 1 is a perspective view of the complete match safe showing the same for storing ordinary friction matches. Fig. 2 is a front elevation of the match safe with a box of safety matches held thereon, the receptacle for ordinary friction matches being removed therefrom. Fig. 3 is a front elevation of one part of the match safe adapted for use separate from the supporting part. Fig. 4 is a front elevation of the match safe showing the position of the parts as they appear for shipment. Fig. 5 is a detached perspective view of the holder to which the match receptacles or a box of safety matches is adapted to be applied. Fig. 6 is an enlarged central section through the complete match safe taken on line 6—6, Fig. 1. Fig. 7 is a rear view of the supporting part. Fig. 8 is an enlarged transverse section taken on line 8—8, Fig. 3. Fig. 9 is a vertical section taken on line 9—9, Fig. 8. Fig. 10 is an enlarged longitudinal section taken on line 10—10, Fig. 4. Fig. 11 is a detached perspective view of the pivoted striker plate.

Reference being now had to the drawings in detail, similar numerals refer to similar parts throughout the several figures.

The reference numeral 12 designates a support formed of a sheet of metal having its marginal portions bent at an angle to provide a stiffening flange 13. This support is shown as of rectangular formation, but may be otherwise formed if desired. Secured centrally thereon near its lower end is a holder 14 stamped of a sheet of metal to

provide two vertically-disposed parallel members 15 connected at their upper ends by a horizontal member 16. The lower ends of the vertically-disposed members 15 terminate in horizontal members 17, 18, provided with clench ears 19, 20, respectively. At its inner edge the horizontal terminal 18 is gradually widened rearwardly and has its lateral portions 21 bent downwardly at an angle, the inner edges of said angular portions bearing against the support and serving to brace the holder so that it cannot be flexed downwardly. The clench ears 19 and 20 are passed through slits 22, 23, respectively, in the support 12 and clenched against the rear face of said support. This holder may be formed in various ways, and the purpose of the same is to provide an upstanding member spaced from the support 12 so that a box of safety matches, shown at 24 in Fig. 2, may be applied thereto. This holder is of such dimensions that it will permit the sliding cover of the conventional safety-match box to be slipped thereonto and it is also intended to hold a receptacle or receptacles for ordinary friction matches, as will appear hereinafter. Near the upper end of the support 12 a transverse slot 25 is formed, it having V-shaped notches or extensions 26 at its lower edge.

27 designates a receptacle for burned matches. This receptacle is comparatively long and shallow and comprises a bottom 28, a continuous side wall 29, and a hanger 30 in the form of an extension of said side wall which is bent upon itself, as at 31. This extension is arranged at a slight angle to the side wall from which it projects, and in order to stiffen the same at this angle, it is provided with two vertically-disposed ribs 32, thus guarding against the hanger bending along the line of this angle. The rebent portion 31 of the hanger is passed through the transversely-disposed slot 25 and lies in rear of the support and preferably in contact with the rear surface thereof.

The support 12 is provided with two apertures 33 through which nails or other securing devices may be passed for fastening the match safe to a wall or other foundation, and these apertures are so positioned that the box of safety matches 24 and the receptacle 27 for burned matches conceal the fastening devices.

The match safe as described is complete for holding safety matches, but when it is desired to use ordinary friction matches in lieu of safety matches, I substitute an auxiliary match safe 34 therefor. Said auxiliary match safe in its preferred form has two match receptacles 35 and a striker member 36 fastened to said match receptacles. This auxiliary match safe is preferably formed of a single sheet of metal bent to provide an intermediate combined bearing and retaining wall 37 having offsets or shoulders 38 which connect the retaining portion 39 with the bearing portions 40. The opposite ends of the sheet are bent into substantially horseshoe formation, as at 41, to form the match receptacles 35, the extremities of the sheet being provided with clench ears 43 which are passed through slits 44 formed in the offsets or shoulders 38 and clenched against the rear face of the latter. The bottoms of the receptacles are formed by lateral extensions 50 of the sheet of metal bent at right angles to the bearing portions 40 and having their edges clenched in a bead 51 formed around the curved walls of the receptacles. Each of the receptacles 35 has an aperture 52, and in a plane beneath these apertures the curved walls of said receptacles are provided with outstanding ears 53 serving as stops for the striker member 36. This striker member is formed of a sheet or plate of metal tapered downwardly and provided along opposite horizontal marginal portions with rebent retainer flanges 54 which are spaced from the body portion so that a tapered piece of sand paper, emery cloth or other abrasive element 55 may be inserted, the sand paper or other material being tapered to conform to the striker plate and when positioned behind the rebent flanges is held against downward movement. The upper end of this striker plate is provided with opposite lateral pivot extensions 56 which are adapted to enter the apertures 52 in the match receptacles 35. This striker plate is adapted to bear against the stop lugs 53 so that it cannot swing rearwardly beyond the position shown in Fig. 5.

When it is desired to use ordinary friction matches in lieu of safety matches, the auxiliary match safe is placed in position upon the holder 14, the retainer portion 39 of said safe fitting behind the holder and lying in contact therewith while the bearing portions 40, which serve as the rear walls of the match receptacles, lie in contact with the support 12. When this auxiliary match safe is applied to the holder 14 it also conceals the fastening device passed through the lower aperture 33 of the support, and in order that this auxiliary match safe may be used separately it has an aperture 57 formed in the retaining portion 39 near its upper end. When used separately and a match is struck upon the abrasive material held within the striker plate, said striker plate cannot swing rearwardly against the wall to which the device is secured; consequently, if a match is carelessly struck and leaves the lower end of the abrasive material it will not strike the wall and mar the same, as would be likely to happen if the striker plate were free to swing rearwardly under pressure. The striker plate, as constructed,

provides an abrasive surface of considerable length and therefore extends downwardly beyond the lower edge of the support 12.

In order that the receptacle for burned matches may have a capacity equaling that of both match receptacles 35, it is made of a size to extend outwardly from the support 12 a greater distance than other parts of the match safe. For these reasons I have made the receptacle for burned matches detachable and the striker plate capable of being swung upwardly with its free end in contact with the support 12, as shown in Fig. 4.

In order that the match safes may be shipped compactly, the striker plate is swung upwardly, as shown in Fig. 4, and the receptacle for burned matches removed and placed against the support 12 with its bottom facing outwardly and the hanger 31 extending through the slot 26 of the support. When thus positioned, the vertically-disposed stiffening ribs 32 enter the V-shaped notches 26 at the lower edge of said slot. The tongue of the hanger forms a retainer spring which bears against the upper edge of the slot and prevents accidental displacement of the burned match receptacle when thus positioned, this being clearly shown in Fig. 10 of the drawings. Owing to the fact that the depth of the receptacle for burned matches is considerably less than the width of the same, the match safe may be more conveniently packed than would otherwise be possible.

It is of course to be understood that various changes in construction and arrangement of parts may be resorted to without departing from the generic features of my invention or sacrificing any of the advantages thereof.

Having thus described my invention, what I claim is,—

1. A match safe comprising a support, holding means for holding a safety-match box; combined with an auxiliary match safe having two match receptacles spaced apart and connected by a member adapted to cooperate with said holding means whereby said auxiliary match safe may be substituted for a safety-match box.

2. A convertible match safe comprising a suitable support formed of sheet metal, a holder also formed of sheet metal secured to said support near its lower end and being spaced therefrom to permit a safety-match box to be held thereon; combined with an auxiliary match safe adapted to be substituted for the safety-match box, said auxiliary match safe comprising two spaced receptacles connected by a retaining wall adapted to fit behind said holder.

3. A match safe comprising a support having slits formed therein near its lower end, a holder formed of sheet metal stamped to provide two vertically-disposed parallel members connected at their upper ends by a horizontal member, the lower ends of the vertically-disposed members terminating in two horizontal members provided with clench ears adapted to be passed through said slits to secure the holder to the front face of said support, the clench ears of one of said horizontal members being spaced from those of the other to brace said holder.

4. A match safe comprising a support having a transverse slot provided with a V-shaped notch in its lower edge, a receptacle for burned matches secured to said support and provided with an extension at its upper edge having a rebent portion adapted to be passed through said slot, said extension having a vertically-disposed rib at the point of its connection to the body of said receptacle and the latter being adapted to be placed with its open end against said support and its extension entered in said slot so that said rib enters the V-shaped notch of said slot.

5. A match safe comprising a support, a holder secured to said support and spaced therefrom, a pair of spaced match receptacles connected by an intermediate wall adapted to fit behind said holder, and a match scratch arranged between said receptacles in advance of said intermediate wall.

6. A match safe formed of sheet metal bent upon itself at opposite ends to provide a pair of spaced match-receptacles and an intermediate wall connecting said receptacles, said receptacles having outstanding ears arranged in opposition, and a match scratch having pivots at its upper end adapted to be secured in the walls of said receptacles, said match scratch being adapted to bear against said outstanding ears.

7. A match safe comprising a support, a holder secured to said support and spaced therefrom, and a pair of match receptacles formed from a single sheet of material having its ends bent into substantially horse-shoe formation to provide match receptacles having flattened rear portions, said sheet of material being provided with an intermediate wall connecting said receptacles and offset from said flattened rear portions, said intermediate wall being adapted to fit behind said holder and the flattened portions of said receptacles being adapted to bear against said support.

8. A match safe comprising a support having a transverse slot, a receptacle for burned matches secured to said support and provided with an extension at its upper edge having a rebent portion adapted to be passed through said slot to maintain said receptacle in receiving position, said receptacle being adapted to be placed with its open end against said support and its extension entered in said slot when shipping the match safe.

9. A match safe comprising a support formed of sheet metal, a holder also formed of sheet metal bent upon itself to provide two vertically-disposed parallel members connected at their upper ends by a horizontal member, the lower ends of said vertically-disposed members terminating in horizontal members adapted for connection with said support, the lower end of one of said horizontal members being gradually widened rearwardly and having the widened portions bent downwardly at an angle to serve as braces bearing against said support, said holder being adapted to carry a match receptacle.

In testimony whereof I affix my signature.

JOHN A. STABEL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."