No. 779,629. PATENTED JAN. 10, 1905.

S. A. TESCHER.

SELF IGNITING MATCH SAFE.

APPLICATION FILED APR. 12, 1904.

Fig. 1.

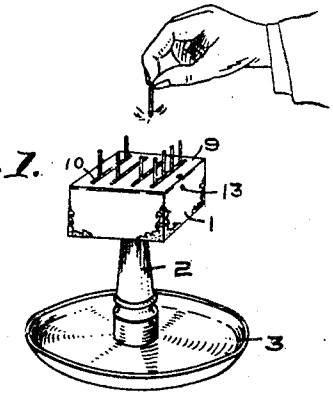


Fig. 2.

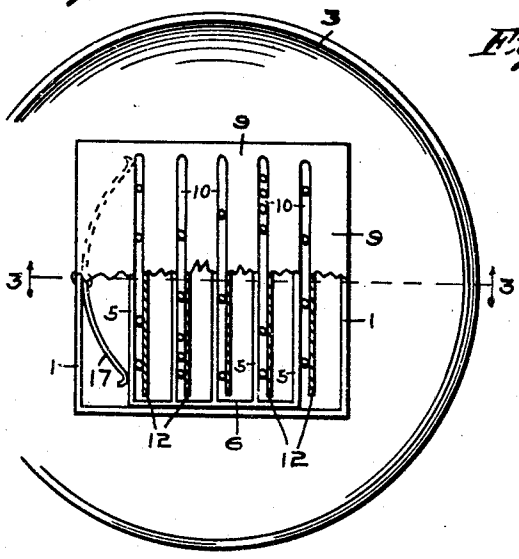


Fig. 3.

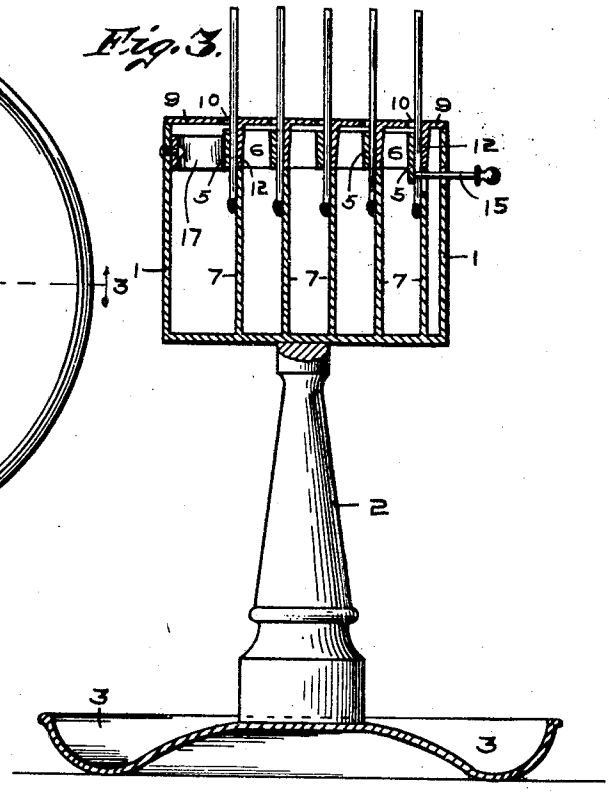
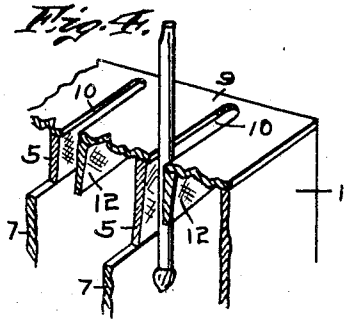


Fig. 4.



Witnesses

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No. 779,629. Patented January 10, 1905.

UNITED STATES PATENT OFFICE.

SAMUEL A. TESCHER, OF NOBLESVILLE, INDIANA.

SELF-IGNITING MATCH-SAFE.

SPECIFICATION forming part of Letters Patent No. 779,629, dated January 10, 1905.

Application filed April 12, 1904. Serial No. 202,834.

To all whom it may concern:

Be it known that I, SAMUEL A. TESCHER, a citizen of the United States, residing at Noblesville, in the county of Hamilton and State of Indiana, have invented certain new and useful Improvements in Self-Igniting Match-Safes, of which the following is a specification.

This invention relates to match-safes, and has for its object a means for automatically igniting matches while being withdrawn from the safe.

The object consists, further, in providing a match-safe which effects a saving in matches by causing their ignition while being withdrawn from the safe, and thereby leaving no inducement for withdrawing more matches than the occasion requires.

The object consists, further, in preventing the promiscuous striking of matches, destroying walls, furniture, &c.

There are other features, and the construction and arrangement of the several parts will be hereinafter more particularly described and the novel features thereof then pointed out in the claims.

Referring to the accompanying drawings, which are made a part hereof, and on which similar numerals of reference indicate similar parts, Figure 1 is a perspective view of a match-safe embodying my said invention. Fig. 2 is a view of the safe in which a part is shown in plan and a part in horizontal section. Fig. 3 is a transverse sectional view of the safe as seen from the dotted line 3 3 in Fig. 2. Fig. 4 is a fragmentary detail, on an enlarged scale, of a portion of the safe and shows the means for causing the ignition of the matches.

In the drawings, 1 is a rectangular box composed of any suitable material and forms the body for the match-safe. The box 1 is preferably mounted on a pedestal 2, which forms a handhold, and is also provided with a suitable base 3, which also serves as a receptacle. Mounted in the box 1 is a rectangular movable frame composed of the file-blades 5 or other suitable material having rough or serrated faces for igniting the matches, which are secured at the ends by means of the plates 6. The box 1 is also provided in the interior with a plurality of partition-walls 7, which run parallel with the file-blades 5 in the movable frame and extend to the bottom of the box. These partition-walls form both the support for the movable frame and subdivide the box 1 into several compartments, so that the several rows of matches are separated to prevent a general conflagration of all the matches in the safe should it happen that the sparks from an ignited match should cause the ignition of the others in the row. These partition-walls 7 in this instance would confine the flames to one compartment, and thus prevent the spreading of the flames to the matches in the other rows.

The safe is provided with a top 9, secured to the box 1 in any suitable manner, and is also provided with a series of slots 10 to permit the introduction of matches into the safe. The top 9 is also provided with a series of file-blades 12, which are rigidly secured thereto, or similar means having rough or serrated faces which are rigidly secured to said top and stand parallel and contiguously to the slots 10.

Normally the file-blades 5 and 12 bear against one another when the safe is free of matches; but when it is desired to fill the safe with matches a pin 15 is passed through an aperture 13 in the wall of the box 1 and bears against the movable frame. By this means the movable frame is shifted to separate the file-blades 5 and 12, so that the matches may be inserted through the slots 10 between them. At the completion of the filling of the safe the pin 15 is withdrawn from the aperture to permit the movable frame to return and clamp the matches between the file-blades 5 and 12. To insure the return of the movable frame, a spring 17 is secured to the wall of the box 1, so that the free ends of the spring rest against the side of the movable frame. Thus it will be seen that the matches are held at all times so that when they are withdrawn from the safe the heads of the matches will come into contact with the files, and thereby insure their ignition.

Having thus fully described my said invention, what I desire to secure by Letters Patent is—

1. In a self-igniting match-safe, the body, a cover provided with slots, flanges having ser-

rated faces secured to the under side of the cover, a frame movably mounted in the body of the safe and immediately below the cover, division-walls in the movable frame that stand parallel to the flanges on the cover, and means within the body of the safe and operating to hold the division-walls of the movable frame against the flanges on the cover.

2. In a self-igniting match-safe, the body, a cover provided with slots, dependent flanges, having serrated faces, formed integrally with the cover, a frame mounted within the body of the safe and immediately below the cover and having movement parallel with said cover, division-walls formed in said frame that stand parallel with the dependent flanges on the cover, and means operating to hold the division-walls of the movable frame against the dependent flanges.

3. In a self-igniting match-safe, the body, a cover provided with a series of slots, dependent flanges formed integrally with the cover and situated contiguous and parallel with the slots in the cover and provided with serrated faces, a frame movably mounted in the body of the safe, division-walls formed in the movable frame and provided with serrated faces, the said division-walls of the movable frame standing parallel with the dependent flanges of the cover, and means mounted within the body of the safe and operating to hold the division-walls of the movable frame against the dependent flanges of the cover.

4. In a self-igniting match-safe, the body, division-walls formed in the body, a cover provided with slots secured to the body of the safe, dependent flanges on the cover, a frame mounted within the body of the safe and upon the division-walls thereof, the said frame having movement in a plane parallel with the cover, division-walls formed in the movable frame that stand parallel with the dependent flanges on the cover, and means located within the body of the safe and operating to hold the division-walls of the movable frame against the dependent flanges of the cover.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 7th day of April, A. D. 1904.

SAMUEL A. TESCHER. [L. S.]

Witnesses:
M. M. DEFREES,
F. W. WOERNER.