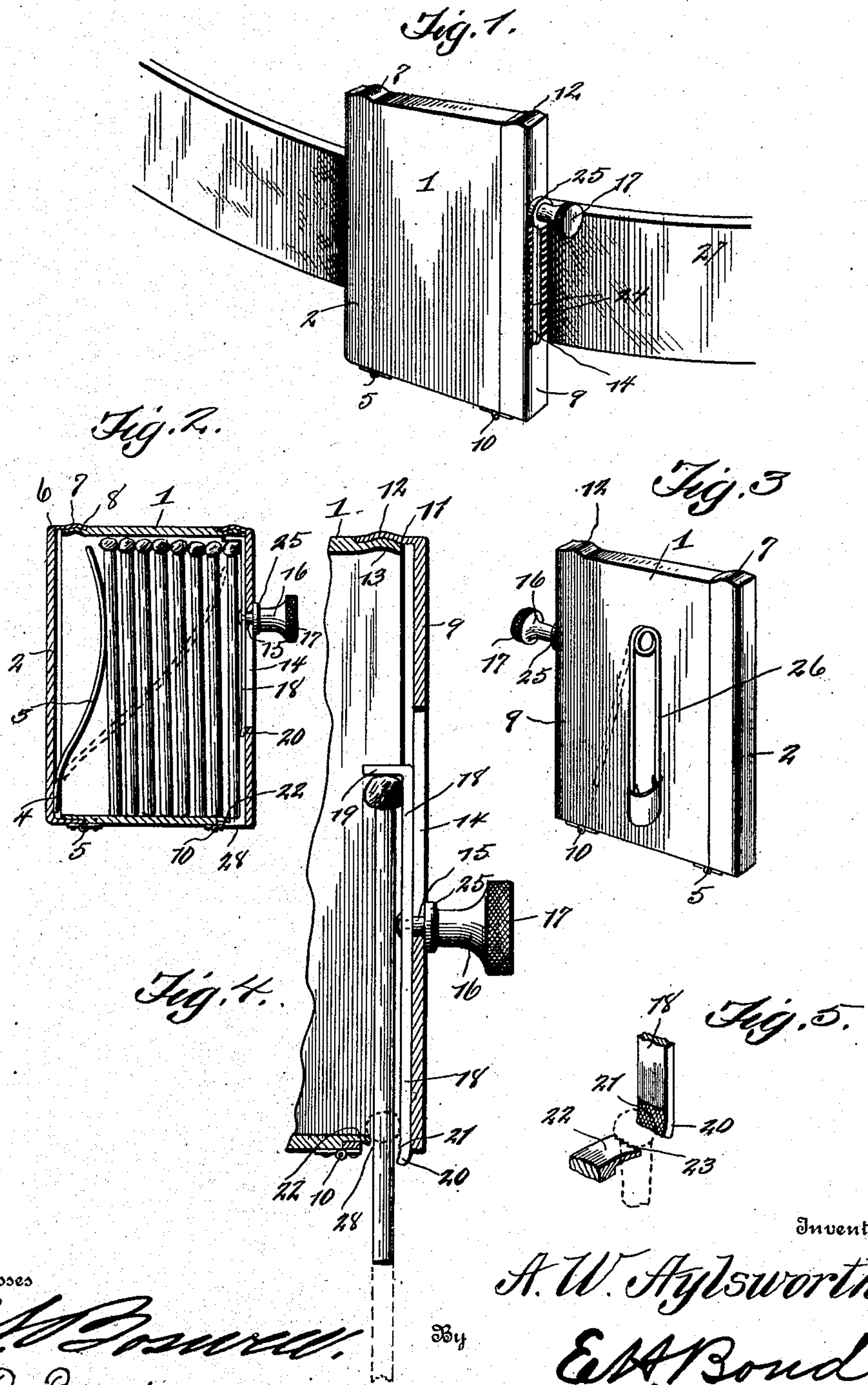


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MATCH BOX.
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900,819.

Patented Oct. 13, 1908.



Witnesses
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MATCH-BOX.

No. 900,819.

Specification of Letters Patent.

Patented Oct. 13, 1908.

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To all whom it may concern:

Be it known that I, ALVIN W. AYLSWORTH, a citizen of the United States of America, and resident of Fostoria, in the county of Seneca and State of Ohio, have invented certain new and useful Improvements in Match-Boxes, of which the following is a specification.

This invention relates to certain new and useful improvements in match boxes of that class designed for the single delivery of a match, and for the ignition of the same as it is withdrawn.

The present invention has for its objects among others to provide a simple, cheap and efficient match box having means whereby it may be attached to a belt or clothing by means of a catch or other device, the match box being constructed to hold the matches which are pushed forward toward the delivery side of the box by suitable means, provision being made for the lighting of the match as it is drawn out. Suitable means are provided for pushing or forcing the match partially from the box, where the end thereof may be grasped and pulled out, the match as it is pulled being drawn through between jaws which are preferably serrated or roughened so that the match will be lighted. The slide by which the match is moved for a portion of its distance through the discharge opening of the box has a portion which constitutes one of the jaws through which the match is drawn and by which it is ignited.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be pointed out in the appended claims.

The invention in its preferred form is clearly illustrated in the accompanying drawings which, with the numerals of reference marked thereon, form a part of this specification and in which

Figure 1 is a perspective view showing my present improvement as applied to a belt. Fig. 2 is a substantially central longitudinal section through the same. Fig. 3 is a perspective view looking at the rear of the match box. Fig. 4 is an enlarged detail showing the slide and the jaws by which the match is moved and ignited. Fig. 5 is a perspective detail of the jaws, showing by dotted lines the head of a match about to be withdrawn from between them.

Like numerals of reference indicate like parts throughout the several views.

Referring to the drawings 1 designates the

box proper which may be of any desired shape and capacity, according to the variety of match which it is desired to use therein, and it may be made of paper, leather, aluminum or any other metal or material suited to the purpose. In the present instance I have chosen to show it as of flattened rectangular form and of a thickness sufficient to contain but one row of matches as indicated in Fig. 2. This box or case may be provided with one or more lids or closures, in the present instance being shown as having one at each edge. Of these the lid or closure 2 carries a spring 3 secured at one end, 4, in any suitable manner, the other end being designed to act upon the matches and press them forward toward the discharge opening, as will be evident from Fig. 2. This lid or closure may be retained in position upon the box or case in any suitable manner. In the present instance I have chosen to show it as hinged at one end, as at 5, the other end having the flange 6 provided with a bulge or protuberance 7 adapted to cooperate with and engage over the bulge or protuberance 8 on the end of the box whereby the lid is frictionally held in its closed position in a manner which will be readily understood. It is to be understood, however, that this is but one of the various forms of closures for the end of the box or case. The opposite end of the case is provided with a closure or lid 9 which may be similar to the closure 2, in this instance being shown as hinged at 10 at one end, the other end being provided with a flange 11 having a bulge or protuberance 12 for cooperation with the bulge or protuberance 13 on the end of the box or case, as seen best in Fig. 4.

The closure 9 is provided with a longitudinal slot 14 in which works the shank or stem 15 of the knob 16, the periphery of which is milled or roughened as shown at 17 for an obvious purpose. This stem is secured to the slide 18, one end of which is provided with a lateral portion 19 seen best in Fig. 4, the other end of the slide being slightly curved, as at 20, and roughened as at 21, as seen clearly in Figs. 4, and 5. This constitutes one of the jaws, the other jaw 22 being formed of an extension of the bottom wall of the case or box, as seen in Figs. 2, 4 and 5. The edge of this jaw is serrated, as at 23, as seen best in Fig. 5.

The lid or closure 9 may be toothed or serrated upon opposite sides of its slot 14, as

seen at 24 in Fig. 1 to provide greater frictional engagement for the collar or flange 25 of the knob 16.

In practice, the match box or case is designed to be affixed to a belt or some article of clothing. For this purpose I have shown a convenient means, which, among many others, might be adopted; this comprises a spring catch or pin 26 soldered or otherwise fastened to the outer wall of the box or case and through the loop of which the belt 27 passes.

In use the spring 3 presses the matches firmly toward the outlet end, so that the lateral member 19 of the slide 18 will engage the end of the first match, it being understood that the slide is normally in the position in which it is seen in Fig. 2. When it is desired to withdraw a match the slide is moved from the position in which it is seen in Fig. 2 into the position shown in Fig. 4, bringing with it the match, and when the slide has moved to its limit the tongue or jaw 20 thereof extends slightly through the opening 28 in the bottom of the box, the match being moved so that its end projects sufficiently through the opening to allow of its being grasped by the fingers. It is to be understood of course that the matches are placed in the box with the head or lighting end thereof at the end of the box farthest from the opening 28 through which the match is drawn; and when the match is drawn out from its position seen in full lines in Fig. 4 the head thereof being pulled through the jaws will be ignited. After one match has been forced out the slide is moved back to its normal position ready to engage another match, when the operation may be repeated.

From the above, it will be seen, that I have devised a simple, efficient and novel form of match box, and while its structural embodiment of the invention as hereinbefore described, is what I, at the present time, consider preferable, it is evident that the same is subject to changes, variations and modifications, without departing from the spirit of the invention or sacrificing any of its advantages. I therefore do not intend to restrict myself to the details of construction, mode of connecting parts, material or shape herein shown and described, but reserve the right to make such changes, variations and modifications as come properly within the scope of the protection prayed.

What I claim as new is:—

1. A match box having a delivery opening at the end, a slide for moving the matches, and jaws one of which is fixed at one side of said opening and the other one of which is carried by the slide and projected beyond

said opening and fixedly held in said position by the slide for igniting the match at such position.

2. A match box having a delivery opening at one end, a slide for moving the matches, and jaws for igniting the match at said opening, one of said jaws being carried by the slide and projected thereby beyond said opening, the other jaw being rigid with the end wall of the box.

3. A match box having a delivery opening at one end, a slide for moving the matches, and jaws at right angles to each other for igniting the match at said opening, one of said jaws being carried by the slide and curved toward the other jaw and fixedly held by the slide beyond the opening in the end of the box.

4. A match box of the character described comprising a case having a delivery opening at one end, a fixed jaw adjacent said opening, and a slide movably mounted in the case at right angles to the fixed jaw and having one end constituting a jaw movable with and held projected beyond said opening by the slide for coöperation with the other jaw for the ignition of a match.

5. A match box of the character described comprising a case having a delivery opening at one end, a spring for pushing the matches transversely of the case toward said opening, a slide movable at right angles to the influence of said spring upon the matches having at one end a lateral portion to engage a match and at the other end a serrated jaw movable by the slide beyond said opening, and a fixed jaw adjacent said opening and having its acting face serrated.

6. In a single-delivery match box, a case having a delivery opening at one end, a jaw fixed at said end and disposed at right angles to the travel of the match, means for pushing the matches toward said opening, and a slide movable within said case in the direction of the movement of the match lengthwise and guided in the wall of the case and having at one end means to engage the head of a match and at the other end a jaw extending in the general direction of the length of the slide to be projected through said opening at right angles to the fixed jaw to coöperate with the latter in igniting the match with its outer end curved toward the fixed jaw and held by the slide in a plane below that of said fixed jaw.

Signed by me at Fostoria, Ohio, this 3rd day of September, 1907.

ALVIN W. AYLSWORTH.

Witnesses:

GEO. C. JENNEY,

NELL E. AYLSWORTH.