

E. ZANONI.

COMBINATION MATCH BOX.  
APPLICATION FILED JUNE 7, 1916.

1,237,140.

Patented Aug. 14, 1917.

Fig. 1.

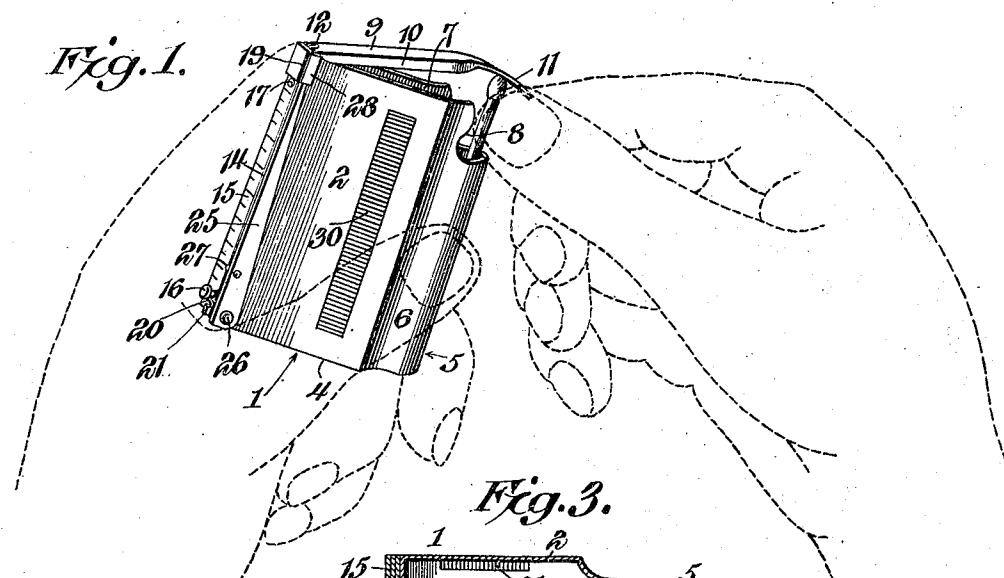


Fig. 3.

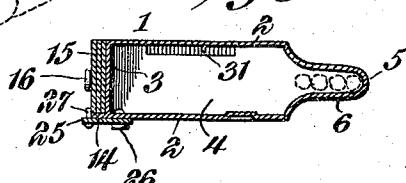


Fig. 2.

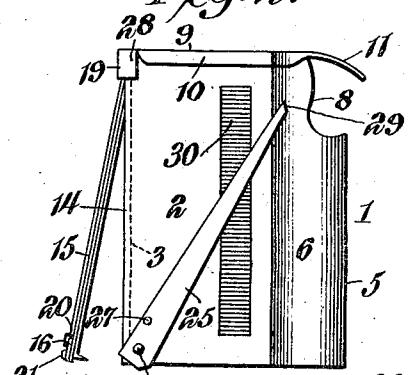


Fig. 4.

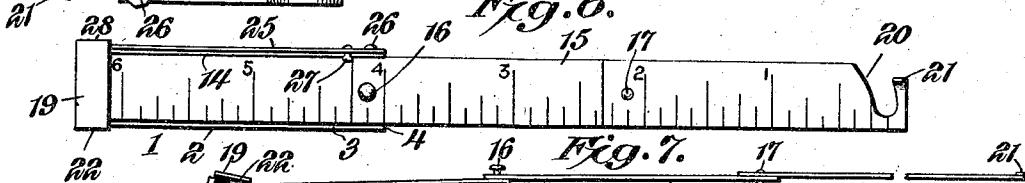
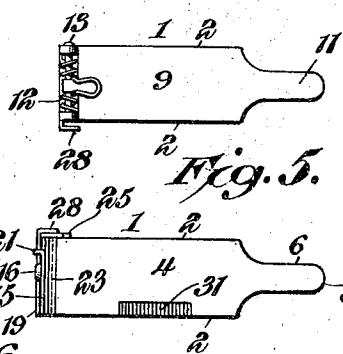
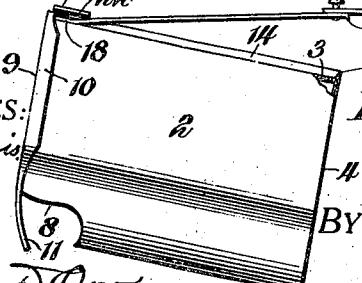


Fig. 6.

Fig. 7.



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# UNITED STATES PATENT OFFICE.

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## COMBINATION MATCH-BOX.

1,237,140.

Specification of Letters Patent. Patented Aug. 14, 1917.

Application filed June 7, 1916. Serial No. 102,276.

To all whom it may concern:

Be it known that I, ERNEST ZANONI, a citizen of the United States, residing at Silverton, in the county of San Juan and State 5 of Colorado, have invented a new and useful Combination Match-Box, of which the following is a specification:

This invention relates to combination match-box.

10 The object is to provide a box for pocket use adapted to carry a quantity of ordinary matches, which may be extracted from the box, one at a time, without exercising any special care, means being provided to prevent the accidental dislodgment of the 15 matches from the box while being carried in the pocket.

Another object is to provide a box of this character having compactly arranged in 20 combination therewith, various other devices, which are constantly useful, and which do not add materially to the weight or bulkiness of the device. These additional devices consist, in the present instance, in a 25 folding rule, a pipe cleaner, a match scratcher, a finger nail clipper and nail file.

A full and complete understanding of the invention may be obtained from a consideration of the following detailed description, 30 taken in connection with the accompanying drawing forming a part of this specification; it being understood that while the drawing shows a practical form of the invention, the latter is not confined to strict 35 conformity therewith, but may be changed or modified, so long as such changes or modifications mark no material departure from the salient features of the invention, as specifically pointed out in the claims appended 40 hereto.

In the drawing, in which like reference characters designate similar parts throughout the several figures:

Figure 1 is a perspective view of the combination match-box, illustrating the manner 45 of extracting a match therefrom.

Fig. 2 is a side elevation thereof, showing the folded rule release.

Fig. 3 is a horizontal sectional view.

Fig. 4 is a top plan view.

Fig. 5 is a bottom plan view.

Fig. 6 is a view illustrating the rule extended for use in measuring, and

Fig. 7 is a view taken at right angles to

Fig. 6, showing the finger nail clip in position for use:

The invention comprises a match receptacle 1 of rectangular formation consisting of relatively wide sides 2, a back 3, bottom 4 and a restricted or contracted front wall 5, which is formed by a narrow extension 6, capable of loosely containing a single match at its extreme edge though not of sufficient width to permit of crowding or jamming of a plurality of matches therein.

65 The open upper end 7 of the receptacle is provided with a downwardly extending cut away portion 8 along the upper end of the extension 6 to provide an opening or mount for exposing the heads of the 70 matches to be extracted, and to enable the same to be readily grasped by the thumb and finger of the operator for extracting the same from the box, as illustrated in Fig. 1 of the drawing.

75 A lid or closure 9 is hinged to the upper edge of the back wall 3, and is provided with a downwardly extending flange 10 on each side adapted to lie on the outer faces of the side walls 2 and having a downwardly inclined tongue 11 adapted to lie over the cut away portion 8 and to engage the heads of the matches to hold them in place.

80 A spring 12, of ordinary construction, is mounted on the pintle 13 of the hinge is capable of always returning the lid 9 to a closed position after a match has been extracted, as illustrated in Fig. 2 of the drawing, and the extension 11 forms a convenient means for opening the lid of the box to replenish the supply of matches.

85 One of the side walls 2 of the box is extended slightly beyond the back wall 3, as shown at 14 to provide a shallow recess 95 or pocket, into which is adapted to be seated, when folded, a measuring rule 15 preferably, though not necessarily, consisting of three two inch sections hingedly secured together by rivets 16 and 17, and having one 100 terminal thereof secured to the back of the box, as at 18, within the recess formed by the side extension 14, and at a point adjacent the hinge 12.

105 A keeper 19 is provided at the latter point, consisting of a metallic strap secured to the terminal portion of the extending edge 14 of the side wall, and is adapted to

house beneath the same the adjacent ends of the several sections of the rule when the same are folded together and pressed down beneath the said keeper 19, as shown in 5 Figs. 1 and 2 of the drawing.

As shown in Fig. 7, the rivet 16, connecting what may be termed the first and second sections of the rule, is somewhat extended away from the said sections, and provided 10 with a head, while the third or free end section of the rule is arcuately slotted, as shown at 20, for the purpose of receiving the headed pivot 16, when the sections are folded in closed position, as shown in Fig. 1. 15 The extremity of the third section beyond the arcuate slot 20 is outturned, as at 21, to form a convenient projection for forcibly swinging the said section of the rule on the pivot 17 to open the same, after being folded 20 and housed beneath the keeper 19, which is open ended at the side opposite the extended edge 14 of the side 2, as indicated at 22 to permit of the adjacent ends of the folded rule sections being readily passed beneath the said keeper 19.

The normal tendency of the free end of the first section of the rule 15, adjacent the pivot 16, is to spring away from the back 3 of the box, and said section is provided, 30 along its terminal edge, with a transversely disposed inwardly directed cutting edge 23, adapted to coact with a similarly disposed cutting edge 24, provided along the adjacent edge of the bottom 4 of the box to form a 35 finger nail clip, which, as may be seen, may be conveniently used without the necessity of unfolding the rule 15, as illustrated in Fig. 2.

Since the normal tendency of the rule, 40 whether open or folded, is to lie in spaced relation to the back of the box, at the lower end thereof, the said rule must, when folded and seated in the recess provided for this purpose, be secured therein and prevented 45 from swinging outwardly. For this purpose an elongated, flat metallic member 25 is pivoted, as at 26, to that side 2 of the box having the rearwardly extending edge 14, at a point adjacent the cutting edge 24, and 50 is provided with a button or projection 27 extending inwardly from the said member 25 toward the adjacent side 2 of the box, and is adapted to be sprung over the extended edge 14 of said side 2, and to engage 55 the adjacent edge of the folded rule to retain the same in close relation to the back of the box.

The keeper 19 is extended around that side of the box having the member 25 attached thereto, and has the terminal of said extended portion arranged in spaced relation to the said side, as at 28, for the purpose of receiving the free end of the member 25, when the same is in a position to lock 65 the rule 15 in its closed position against the

back 3 of the box, and within the recess formed by the extended portion 14 of the side 2 of the box.

The elongated member 25 is sharpened at its free end 29 and is adapted to be swung 70 on its pivot 26 to an opposite position to that shown in Fig. 1, when the same forms a convenient pipe cleaner in addition to its function already described.

A match scratcher 30 located on that side 75 of the box opposite to the pipe cleaner 25 is formed in the usual manner by providing a series of ridges in the metal of which the box is formed. A convenient finger nail file 31 is similarly formed upon the bottom 80 4 of the box adjacent one side thereof.

The entire device may be formed of any suitable metal, and it will be seen that a useful, convenient, and compact article has been provided, adapted to be carried in 85 the pocket and combining in convenient form several devices which come into almost daily use.

What is claimed is:—

1. A match-box comprising a receptacle 90 having one of its ends open, a longitudinally disposed restricted match-receiving portion arranged along the front of the box and having its upper end cut away at the front and sides to expose the ends of the matches 95 and provide a finger-receiving opening, a lid hinged to the open end of the box, said lid having a forwardly and downwardly extending tongue, adapted to lie, when closed, at the end of the said opening, and a spring 100 for causing the lid to normally assume said position.

2. In combination with a match-box, a foldable rule secured to the back of the box at one end thereof and extending along the 105 back, a member pivoted on one of the sides of the box and having a projection adapted to engage over the edges of the folded rule to hold the latter against the back of the box when not in use. 110

3. In combination with a match-box having a keeper at one end, a foldable rule comprising sections hinged together and secured to the box adjacent the keeper, said rule when extended projecting from the box 115 and when folded being contained within the limits of said box, said keeper being open at one side of the box to allow the reception of one end of the folded sections of the rule.

4. In combination with a match-box provided with a recess in its back, said recess having a wall at one side of the box and a keeper at one end, said keeper being open at the side opposite the said wall, a foldable rule comprising sections hinged together, 125 fastened to the back and fitting within the recess thereof when folded flush with the single wall of said recess, said rule when in its folded position lying within the limits of said box, and when extended being project- 130

ed beyond said box, the folded sections of the rule being engaged by the said keeper.

5. In combination with a match-box provided with a recess along its back, one wall 5 of said recess being left open, a keeper at one end of said recess having an open side coinciding with the open wall of the recess, a foldable rule secured to the box contiguous to the keeper, said rule when folded 10 having its folded parts engaged by the keeper, and a member pivoted to the side of the box and having a locking projection to engage the rule when folded at the end opposite the keeper.

15 6. The combination with a match-box, a keeper at one end of the same, a foldable rule mounted on the match-box and adapted when unfolded to extend beyond the same and when folded to be arranged within the 20 limits of said box, the folded parts of said rule being engaged by the keeper, said rule being made up of a plurality of hinged sections, a member pivoted to the end of the box opposite the keeper, and having means 25 for engaging the folded rule to retain the same in position, the free end of said member also engaging with the keeper.

7. In combination with a match-box, a foldable rule secured at one end to the back 30 of the box and having a normal tendency at its free end to spring away from the box, a transversely disposed nail-clipping edge formed on one of the sections of the rule, a transversely disposed nail-clipping edge 35 formed on the back of the box at the end

and adapted to coact with the first-mentioned edge, and means for retaining the rule when in folded position against the back of the box.

8. In combination with a match-box, a 40 foldable rule secured to the back of the box near the open end thereof, coacting nail-clipping edges carried by the rule and the box respectively, a member pivoted to the side of the box and having a projection 45 adapted when the member is swung into alinement with the back of the box to spring over the edge thereof and engage the rule, when the latter is folded, to retain the same in position against the back of the box, and 50 means for engaging the end of said member when in locked position.

9. In combination with a match box, a foldable rule comprising sections hinged together, adapted to be folded one against the other, said rule being secured at one end to the back of the box and having a normal tendency at its free end to spring away from the box, means for retaining said sections folded, and means for retaining the rule 55 when in folded position against the back of the box.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ERNEST ZANONI.

Witnesses:

CELESTE FALTON,  
JOSEPH L. MACHETTE.

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