

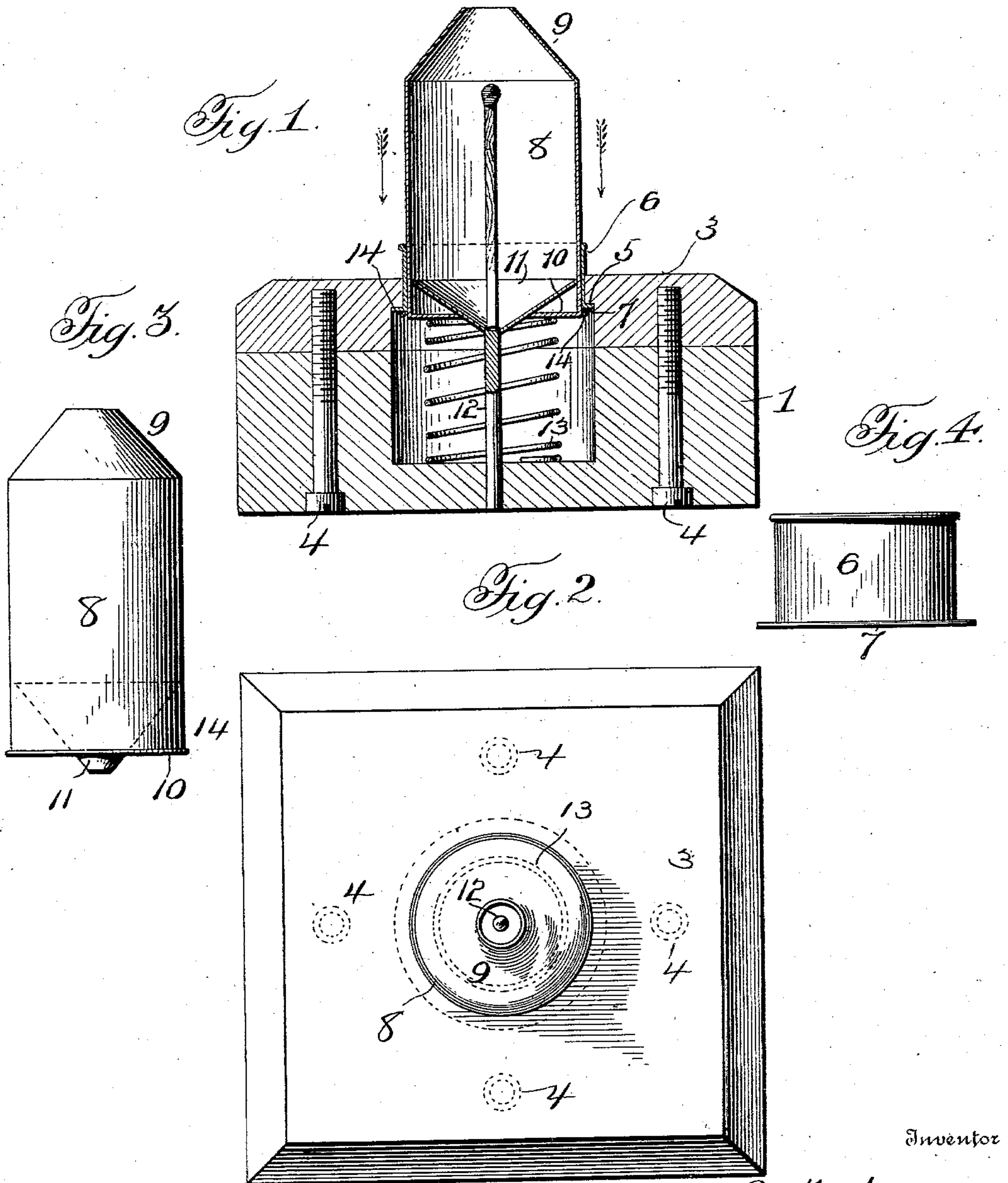
No. 740,541.

PATENTED OCT. 6, 1903.

B. F. DANIELS.
MATCH BOX.

APPLICATION FILED JULY 20, 1903.

NO MODEL.



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BENJAMIN F. DANIELS, OF NOGALES, ARIZONA TERRITORY.

MATCH-BOX.

SPECIFICATION forming part of Letters Patent No. 740,541, dated October 6, 1903.

Application filed July 20, 1903. Serial No. 166,322. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. DANIELS, of Nogales, in the county of Santa Cruz and Territory of Arizona, have invented certain
5 new and useful Improvements in Match-Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and
10 use the same.

My invention relates to an improvement in match-boxes, the object of the invention being to provide an improved match-box which will protect the matches from rats and mice
15 and which will deliver the matches one at a time, preventing persons from robbing the box.

With this object in view the invention consists in certain novel features of construction
20 and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in vertical section, illustrating my im-
25 provements. Fig. 2 is a top plan view. Fig. 3 is a view of the match-receptacle removed, and Fig. 4 is a detail view of ring 6.

1 represents the base-block of my improvements having a central cylindrical pocket 2,
30 and a top block 3 is secured to base-block 1 by means of screws 4 and has a central opening therein above pocket 2, said opening in top block 3 being slightly contracted or smaller at its upper portion to provide an annular shoulder 5. In this opening in top block 3 a ring
35 6 is located, said ring having an annular flange 7 at its lower edge located beneath shoulder 5 to prevent the accidental removal of the ring, the upper edge of said ring being preferably enlarged and rounded, as shown.

My improved match-receptacle 8 is located vertically in said ring 6 and comprises a metal cylinder made with an annular bead 14 at its lower edge to engage the flanged lower end of
40 ring 6 and limit the upward movement of the receptacle 8. A truncated conical open top 9 and a flat bottom 10 are provided on said receptacle 8, and said flat bottom has a central opening through which a conical match-
50 supporting platform 11 projects, which latter is made with a central opening of just suffi-

cient size to accommodate a plunger or ejector 12. This plunger or ejector 12 comprises a vertical rod secured in base-block 1 and having its upper end located in the opening
55 in platform 11 and substantially flush therewith to permit the end of a match to be fed down the platform 11 and rest on top of plunger or ejector 12.

A coiled spring 13 is located in pocket 2
60 around plunger or ejector 12, and the match-receptacle 8 rests thereon and is held with its bead 14 against ring 6 to hold the receptacle in position to properly set the plunger or ejector 12.

The operation of my improvements is as follows: Matches are located in receptacle 8 with their heads up and unless the receptacle is full will rest in an inclined position, one of said matches necessarily being fed to
65 the lowest central point of conical platform 11 with its lower end resting on the upper end of plunger or ejector 12. The operator grasps receptacle 8, forcing it downward, and as the match resting on plunger or ejector
70 12 cannot move downward it will be guided to the central opening in the top 9 by reason of the inclined or sloping wall of said top and be projected through the opening therein in position to be grasped and removed. When
75 receptacle 8 is released, spring 13 will return it to its set position, and another match will be fed by conical platform 11 down to the lowest extreme thereof and rest on plunger or ejector 12, to be ejected when the match-
80 receptacle 8 is again depressed. It will thus be seen that only one match can be secured at a time, and hence the receptacle cannot be robbed, and that the matches are inclosed to such an extent that rats and mice cannot
85 get at them. Further, by reason of the enlarged base-block 1 the liability of upsetting the match-box is reduced to a minimum.

My improvements are neat and attractive in appearance, cheap to manufacture, and
90 perfect in operation.

Various slight changes might be made in the general form and arrangement of the parts described without departing from my inven-
100 tion, and hence I would have it understood that I do not restrict myself to the precise details set forth, but consider myself at liberty

to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a match-box, the combination with a base having a pocket therein, of a ring in said pocket having an inwardly-projecting flange at its lower end, a match-receptacle located in the ring and having open conical bottom and top, an outwardly-projecting flange at the lower end of the receptacle, engaging the inwardly-projecting flange at the lower end of the ring, a fixed plunger or ejector in the pocket projecting into the conical bottom of the receptacle and adapted to force a match through the conical open top when the receptacle is depressed, and a spring to hold the receptacle in normal position.

2. In a match-box, the combination with a base-block having a pocket therein, a top block secured to the base-block and having a

central shouldered opening above the pocket, of a ring in said opening in the top block having an annular flange at its lower end below the shoulder of the top block, a match-receptacle having a conical open top, a flat open bottom, and a conical open match-supporting platform projecting through the flat bottom, an annular flange at the lower end of the receptacle, a fixed plunger or ejector in the pocket having its upper end located in the open conical match-supporting platform to receive the end of a match thereon, and a coiled spring in the pocket bearing against the receptacle to normally hold the annular bead on the receptacle against the flanged lower end of the ring.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

BENJAMIN F. DANIELS.

Witnesses:

S. G. NOTTINGHAM,
S. W. FOSTER.