

No. 849,305.

PATENTED APR. 2, 1907,

V. WINQUIST.
MATCH HOLDER AND LIGHTER.
APPLICATION FILED JULY 9, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

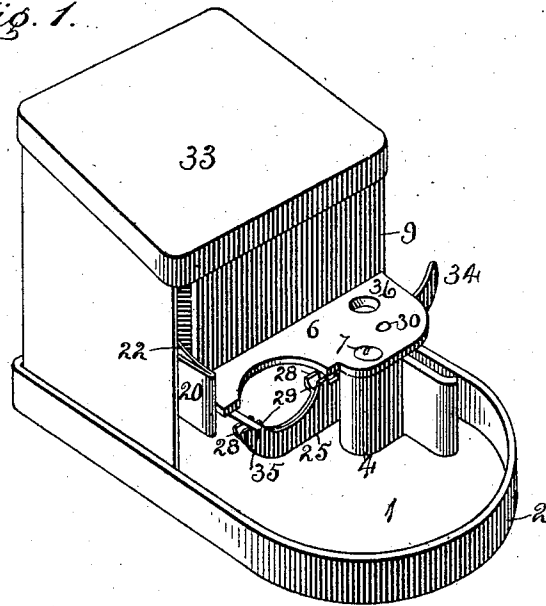
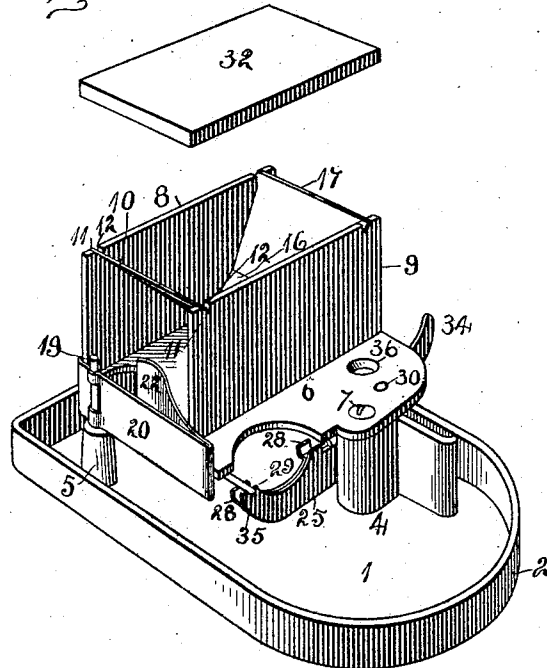


Fig. 2.



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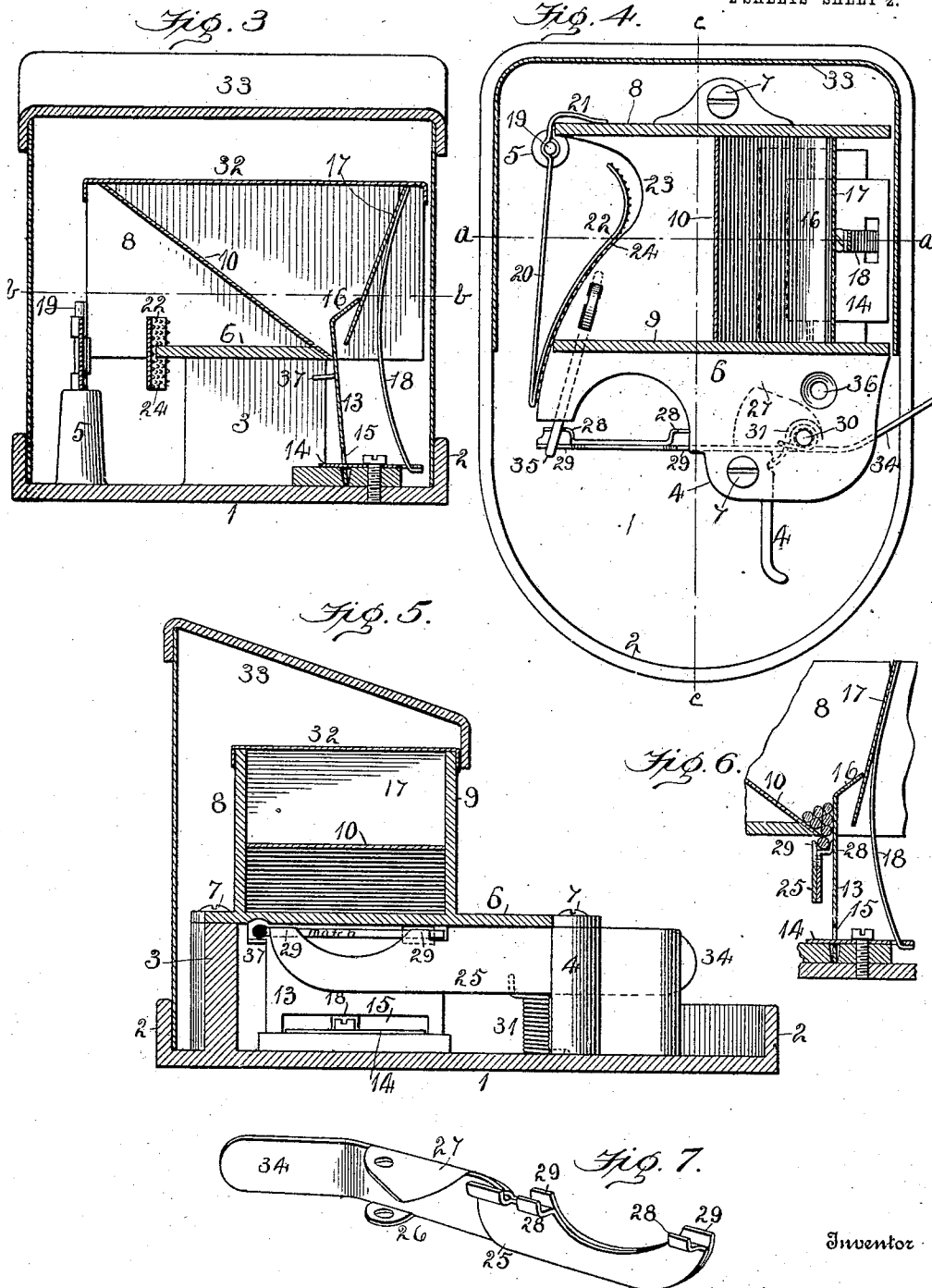
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

VICTOR WINQUIST, OF ROCKFORD, ILLINOIS, ASSIGNOR OF ONE-FOURTH
TO ALFRED TURNSTROM, OF ROCKFORD, ILLINOIS, AND ONE-FOURTH
TO LEONARD STOCKHUS, OF FREEPORT, ILLINOIS.

MATCH HOLDER AND LIGHTER.

No. 849,305.

Specification of Letters Patent.

Patented April 2, 1907.

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To all whom it may concern:

Be it known that I, VICTOR WINQUIST, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Match Holders and Lighters, of which the following is a specification.

The object of this invention is to construct a combined match holder and lighter in which a match-carrier transfers a match from the holder into a position where it can be taken from the carrier and the match in its movement will cause its head to pass in contact with a roughened surface, thereby igniting it.

The further object of this invention is to provide the match-carrier with a knife which in its movement will cross an opening through which the end of a cigar projects, thereby clipping the end of the cigar.

In the accompanying drawings, Figure 1 is a perspective view of my improved match holder and lighter. Fig. 2 is a similar perspective view in which the casing is removed and the cover of the match-holder is shown above the holder. Fig. 3 is a vertical section on dotted line *a a*, Fig. 4. Fig. 4 is a horizontal section on dotted line *b b*, Fig. 3. Fig. 5 is a vertical section on dotted line *c c*, Fig. 4, in which the match-carrier is located beneath the match-holder. Fig. 6 is a section similar to Fig. 3 on dotted line *a a*, Fig. 4, but of the lower portion of the match-holder. Fig. 7 is a perspective view of the match-carrier.

The base portion 1 of the match holder and lighter has an edge 2 extending from its upper surface. From the base extend three projections 3, 4, and 5. A match-receptacle comprises the bottom plate 6, secured to the projections 3 and 4 by the screws 7. From the bottom plate 6 extend the side plates 8 and 9. A plate 10 is located between the side plates 8 and 9 and extends in a downward inclined position with respect to the same, having its lower edge resting in contact with the bottom plate 6 and its top supported by the lugs 11, extending from it and resting in notches 12 in the top edges of the side plates. A cut-off plate 13 is pivoted to the base 1 by the plate 14, extending through a slot 15 in the plate. The upper end 16 of this cut-off plate is turned toward

the rear end of the match-receptacle, thereby forming an inclined surface. To the upper ends of the side plates 8 and 9 is pivoted an end plate 17, having its lower edge resting against the upper end 16 of the cut-off plate 13 and held there in a yielding manner by the spring 18, which has its lower end connected to the plate 14. To the projection 5 is connected a pin 19, which supports a plate 20. One end 21 of this plate engages the outer face of the side plate 8 of the match-receptacle. The plate 20 has a curved portion 22, which conforms to the edge 23 of the bottom 6 of the match-receptacle, as shown at Fig. 4. The outer face of the curved portion 22 is provided with serrations 24, forming a roughened surface, as shown at Fig. 4. The plate 20 and curved portion 22 are both of spring material for a purpose to appear hereinafter. A match-carrier 25 has two lugs 26 and 27. The lug 27 is extended in knife form. The match-carrier is formed with side lips 28, which in connection with the vertical sections 29 form recesses within which a match is held. This match-carrier is located beneath the bottom 6 of the match-receptacle and is supported by the pin 30 in a manner to oscillate. A spring 31 is coiled around the pin 30 beneath the match-carrier and has one end connected to the carrier and its other end bearing against the projection 4, extending from the base-plate 1. This spring serves to hold the carrier against the projection 4, also to hold the upper face of the carrier against the under face of the bottom 6 of the match-receptacle. A cover 32 is placed on the match-receptacle. A casing 33 incloses one side, both ends, and top of the match-receptacle.

When the parts are in the positions shown at Figs. 1, 2, 3, and 4, they are in their normal positions.

The match-receptacle is filled with matches, with their heads farthest from the pivot of the match-carrier. The match-carrier is moved on its pivot until the finger portion 34 comes in contact with the projection 4. This movement of the match-carrier will press the cut-off plate 13 into the position shown at Fig. 6, which will form an outlet-opening sufficient to permit a match to drop into the recesses formed by the side lips 28 and vertical sections 29. Upon releasing the match-

carrier the action of the spiral spring 31 will return it to its normal position, and in making this movement the headed end of the match will be forced in contact with the roughened surface of the curved plate 22, thereby igniting it.

A flat spring 35 has one end secured to the bottom plate 6 of the match-receptacle and its other end extending over the recess formed in the end of the match-carrier, as shown at Figs. 1, 2, and 4. This spring holds the match in the match-carrier after it has been ignited and permits the lighted match to be taken from the carrier. The spring 18 moves the cut-off plate 13, so as to close the opening through which a match is discharged into the carrier. The plate 20 and curved plate 22, both being yielding, will permit the match to pass and insure sufficient contact with the head of the match to ignite it.

The bottom plate 6 of the match-receptacle is formed with an opening 36 and which is located in the path of the movement of the knife 27. A cigar end may be placed in the opening 36, which will be clipped by the movement of the match-carrier in being moved into position to receive a match, and the base 1, with the uprising edge, will form a receptacle for cigar-clippings and burned matches.

From the cut-off plate 13 extends a ledge 37, which receives the head end of a match as it is dropped into the recesses of the match-carrier, thereby preventing the tipping of the match.

I claim as my invention—

1. In a match holder and lighter, the combination of a match-receptacle having a hopper-shaped bottom which is provided with a discharge-opening, one wall made yielding, a movable cut-off extending within the discharge-opening, a spring for holding the yielding wall against the cut-off and the cut-off against the stationary wall of the receptacle, a roughened surface, and a match-carrier adapted to operate the cut-off and yield-

ing wall and carry a match-head in contact with the roughened surface.

2. In a match holder and lighter, the combination of a match-receptacle having a hopper-shaped bottom which is provided with a discharge-opening, one wall made yielding, a movable cut-off extending within the discharge-opening and provided with a match-rest, a spring for holding the yielding wall against the cut-off and the cut-off against the stationary wall of the receptacle, a roughened surface and a match-carrier adapted to operate the cut-off and yielding wall and carry a match-head in contact with the roughened surface.

3. In a match holder and lighter, the combination of a match-receptacle having a hopper-shaped bottom which is provided with a discharge-opening, one wall made yielding, a movable cut-off extending within the discharge-opening, a spring for holding the yielding wall against the cut-off and the cut-off against the stationary wall of the receptacle, a roughened surface, a match-carrier adapted to operate the cut-off and yielding wall and carry a match-head in contact with the roughened surface and a stationary spring under which the carrier remains at rest after delivering a match, said stationary spring holding the lighted match in connection with the carrier.

4. In a match holder and lighter, the combination of a match-receptacle having a hopper-shaped bottom which is provided with a discharge-opening, one wall made yielding, a movable cut-off extending within the discharge-opening, a spring for holding the yielding wall against the cut-off and the cut-off against the stationary wall of the receptacle, a yielding roughened surface, and a match-carrier adapted to operate the cut-off and yielding wall and carry a match-head in contact with the roughened surface.

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Witnesses:

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