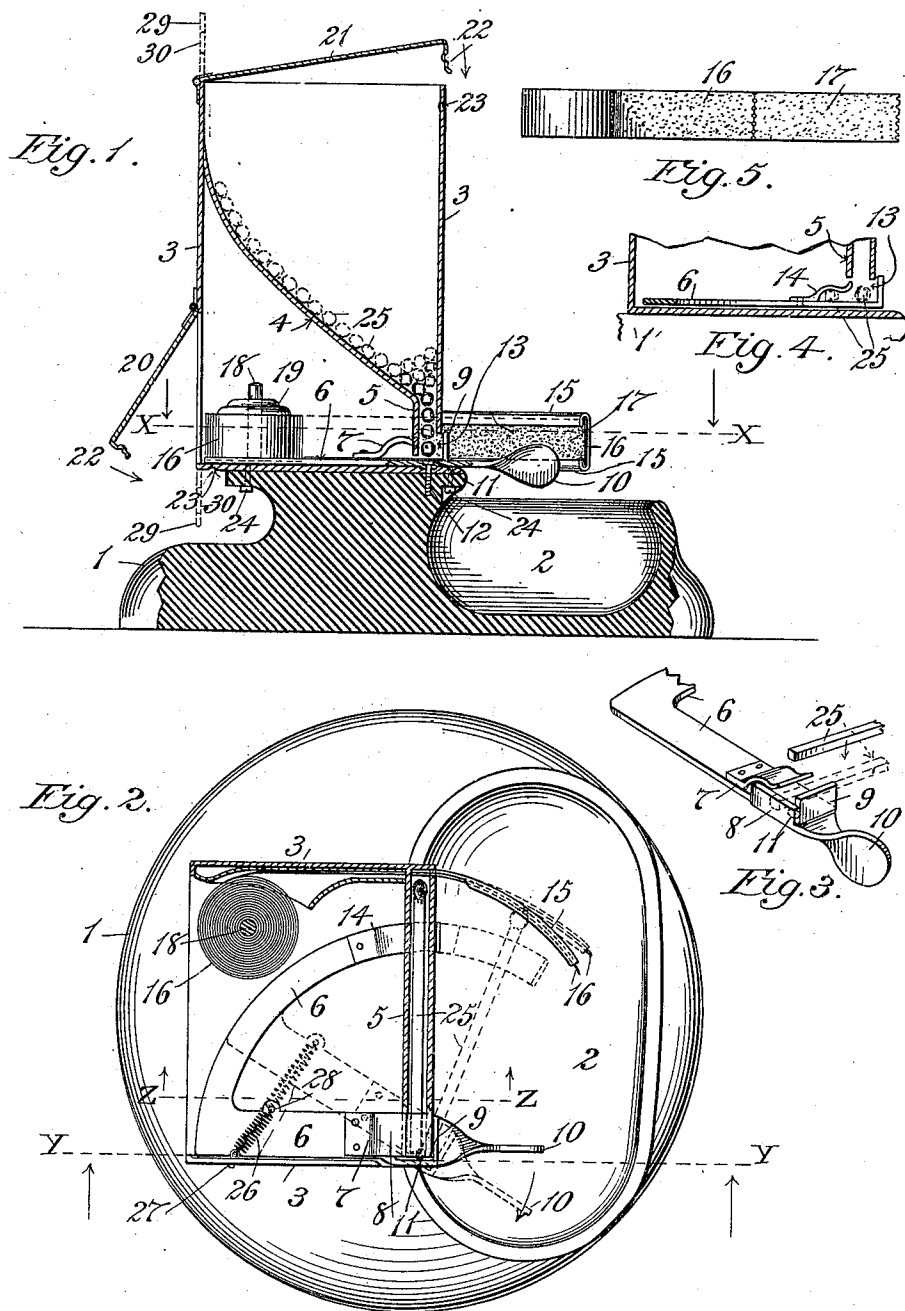


L. RE.
MATCH IGNITER AND WASTE MATCH RECEIVER.
APPLICATION FILED AUG. 28, 1909.

982,301.

Patented Jan. 24, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

LOUIS RE, OF NEWARK, NEW JERSEY.

MATCH-IGNITER AND WASTE-MATCH RECEIVER.

982,301.

Specification of Letters Patent. Patented Jan. 24, 1911.

Application filed August 28, 1909. Serial No. 515,087.

To all whom it may concern:

Be it known that I, LOUIS RE, a subject of the King of Italy, residing at Newark, in the county of Essex and State of New Jersey, have invented a new and useful Match-Igniter and Waste-Match Receiver, of which the following is a specification.

My invention relates to improvements in match receptacles, to the lighting of matches contained therein and to providing a receiver for used and waste matches and consists in the novel construction and arrangement of parts more fully set forth and shown in the specification and drawings.

The object of my invention is to construct a match-holding and igniting device which will deliver and light one match at a time out of a supply initially stored in a box or receptacle forming part of the device, the main object being to make a device which shall be of positive operation, of simple construction, easily operated and applicable to "safety" matches, as well as other kinds, shall also have combined with it and forming a part of the device a receiver for waste or used matches and for cigar and cigarette ashes.

In the accompanying drawings Figure 1 is a sectional elevation of my match-igniting device—taken on the line Y. Y. of Fig. 2. Fig. 2 is a plan, taken on line X. X. of Fig. 1. Fig. 3 is a perspective view of match-operating sector. Fig. 4 is a detail view of match-holder clip. Fig. 5 is a side elevation of ignition-roll showing perforations to allow parts to be torn off.

Referring to the drawings, 1 represents a base provided with a recessed portion 2 for waste matches or cigar and cigarette ashes &c., and on the base 1 is placed a box 3 for holding a supply of matches, having an inclined portion 4 therein. At the lower front of box 3 is a partition 5 to allow the matches, one at a time, to fall on the sector 6 and into the clamps 7, which is attached to the sector, so that the match may be caught by the turned-up portion of 6 acting as a back-stop and shown as 8. The extended portion 9 is to prevent the sector from going back too far and also to hold the match in position and stop it from falling out.

10 is the handle of sector 6 used for the purpose of operating the sector which turns on a small pivot 11, while 12 is a small screw to hold sector 6.

14 is a clamp on the right side of sector

6 and holds one end of the match, while 15 is a resilient holder for the igniting strip 16 and may be made of thin steel or brass but should be of a springy temper so that it will offer a slight resistance to the head of the match when it passes along the surface of strip 16.

17 shows the match-lighting surface having perforations at more or less regular intervals.

18 shows the holder for the coiled igniting strip 16, while 19 is a weight to keep the coiled strip in place.

20 is a door in the rear of the box 3 for enabling a renewal of the igniting strip, while 21 shows a lid for the top of the box 3 having a catch 22, and 23 is a detent or depression for the purpose of keeping the door 20 closed.

24 shows screws for fastening the box 3 to base 1.

25 shows matches in position for operating.

26 is a spiral spring for bringing the sector 6 back into position again after the match has been lighted and removed therefrom, having a fastening 27 for attaching one end of spring 26 to box 3, and 28 is a fastener for securing the other end of spring 26 to sector 6.

29 shows a double extension for securing the device to a wall or other place, and 30 shows holes in these extensions for screws or nails.

To operate the mechanism, it is first necessary to see that box 3 is properly provided with matches, which may be of the ordinary sulfur or of the phosphorus variety, but it is preferred to have in this device matches known commercially as "safety matches" being those which ignite only on surfaces purposely prepared for such matches. When the box is properly filled with matches and the igniting strip 16 is placed in the holder 15, which should be made of steel or of spring brass or of some other resilient material, so that when the head of the match is drawn over the igniting surface of the strip 16, the holder will give sufficiently to allow the match to pass along the strip surface but will offer sufficient resistance to the passage of the match as to cause the latter to ignite. This is accomplished by pressing on the sector-handle 10 which causes the sector to move, bringing the match into the open and the head of the match into con-

tact with the igniting surface of the strip, thereby causing it to light. The lighted match is removed from the sector, pressure removed from the actuating handle 10 when the sector will at once resume its original position by means of the spiral spring 26, and cannot go back of its normal position owing to the extended portion 9 acting as a stop for the sector. The door 20 in the rear of the box 3 is for the purpose of renewing the coils of the igniting strips 16 or for any repairs which, in course of time, may be needed.

Instead of perforated strips I may use strips not perforated and simply tear off the used-up portion, but it is thought that a perforated strip will be more economical and useful. These strips may have a base formed of paper, linen, tape or other suitable material and should contain, preferably on one side, a coating of material which will cause "safety" matches to ignite when brought into contact with the surface of the strip, all other kinds of matches igniting in the same manner.

When all of the coil of the strip is used, another can be placed ready for service by

opening the door 20, removing the weight 19 from the holder 18, dropping a coil of the igniting strip over the holder 18, replacing the weight and guiding the strip into the resilient holder 15.

Having described my invention, what I claim is:

1. In a device of the class described, a match receptacle, a movable sector pivoted therein for delivering one match at a time, means whereby the sector may be operated, a resilient tape holder mounted in the receptacle, and a roll of material surfaced with an igniting substance carried on the holder.

2. In a device of the class described, a match receptacle, means movable therein for delivering a single match, a resilient tape holder mounted in the receptacle carrying a tape, said tape being perforated transversely at intervals so that parts of the tape may be severed when unfit for use, and having thereon a coating of igniting material for igniting the match as it is delivered.

LOUIS RE.

Witnesses:

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