No. 680,359. Patented Aug. 13, 1901.

J. RIST.

COMBINED CIGAR CUTTER AND MATCH SAFE.

(Application filed Apr. 22, 1901.)

(No Model.) 3 Sheets—Sheet 1.

Fig. 1.

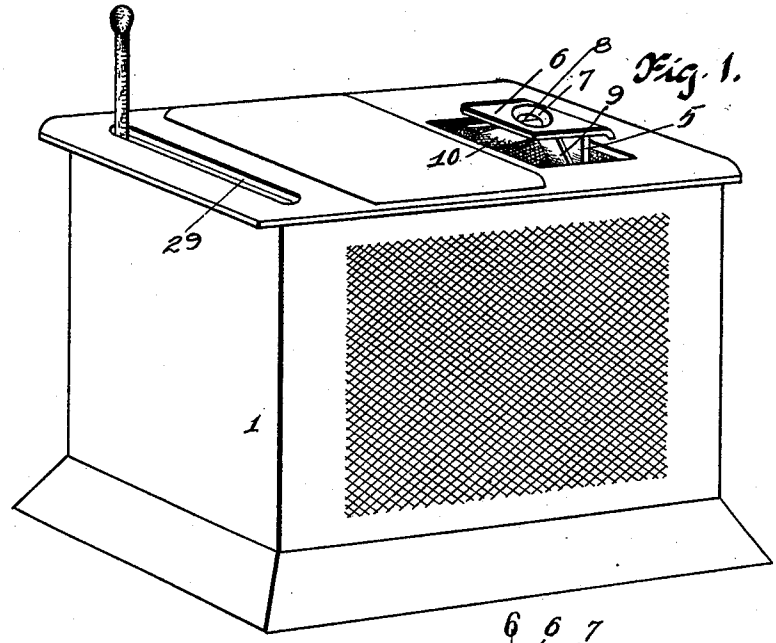
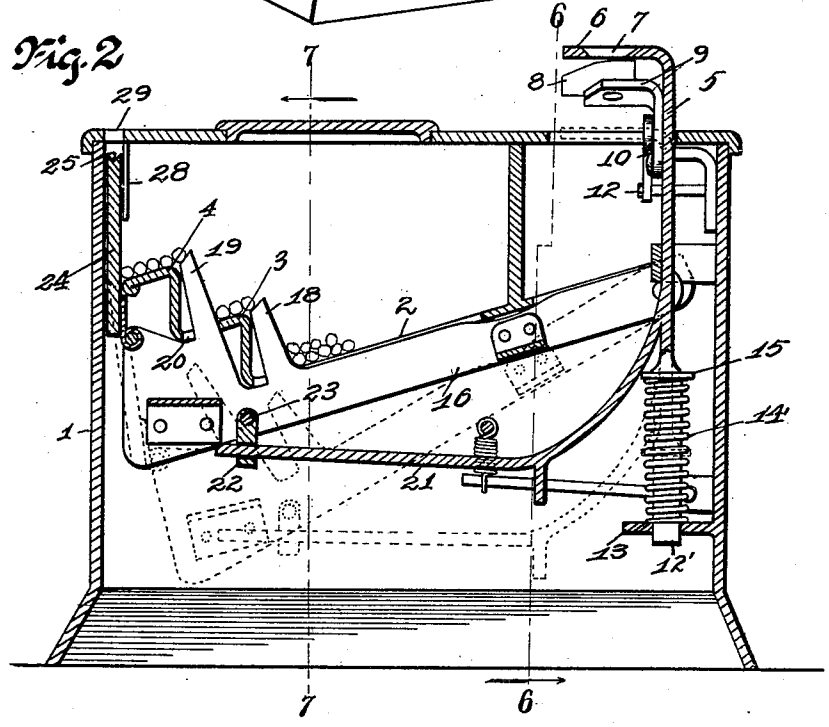


Fig. 2



Witnesses

Alfred A. Fiske

John A. Pippey

Inventor

Joseph Rist.

By Higdon & Longan attys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 680,359. Patented Aug. 13, 1901.

J. RIST.

COMBINED CIGAR CUTTER AND MATCH SAFE.

(Application filed Apr. 22, 1901.)

(No Model.) 3 Sheets—Sheet 2.

Fig. 3.

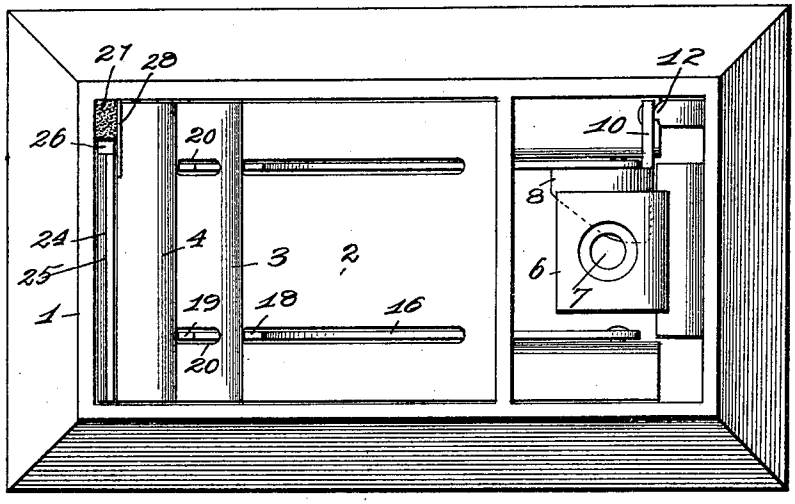


Fig. 4.

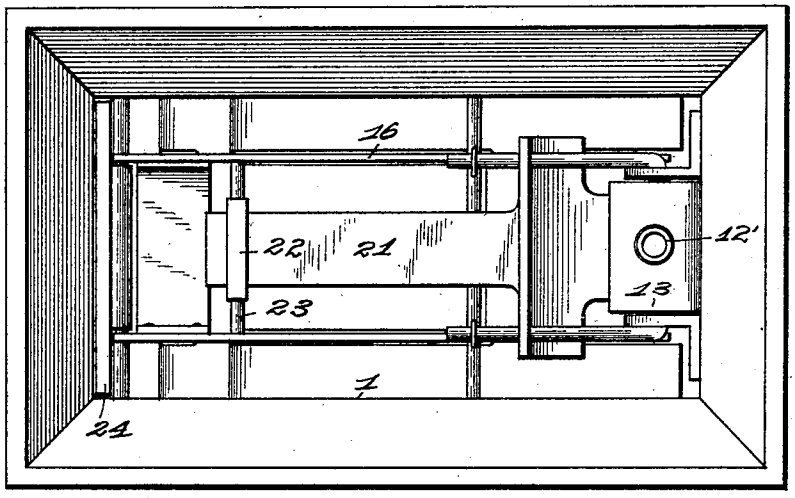
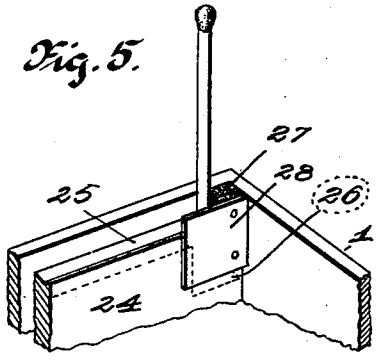


Fig. 5.



Witnesses
Alfred A. Eicher
John D. Lippey

Inventor:
Joseph Rist.
By. Higdon & Longan Attys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 680,359. Patented Aug. 13, 1901.

J. RIST.

COMBINED CIGAR CUTTER AND MATCH SAFE.

(Application filed Apr. 22, 1901.)

(No Model.) 3 Sheets—Sheet 3.

Fig. 6.

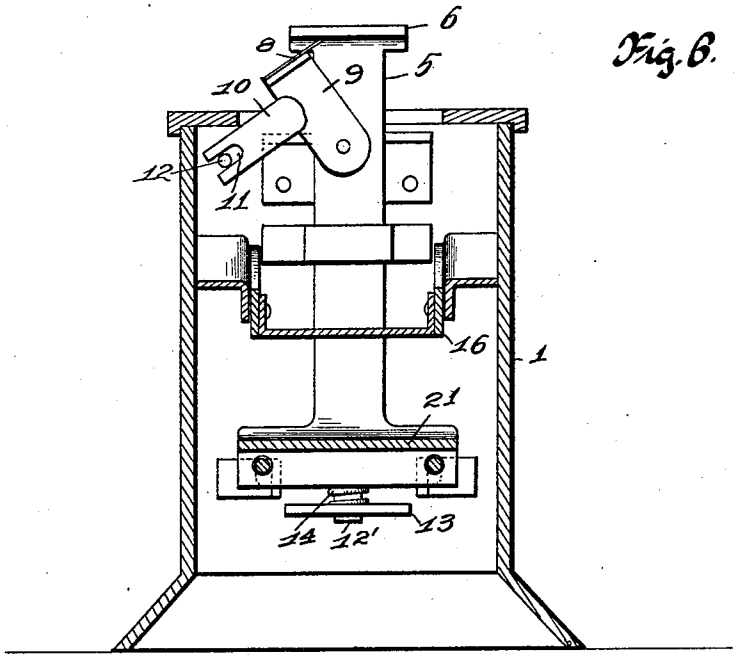
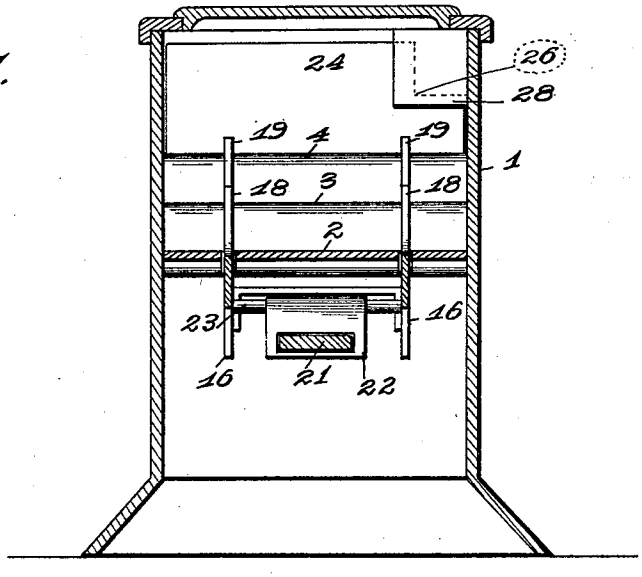


Fig. 7.



Witnesses

Alfred D. Ricker

John A. Rippey

Inventor

Joseph Rist.

By Sigdon & Longan, Attys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOSEPH RIST, OF ST. LOUIS, MISSOURI.

COMBINED CIGAR-CUTTER AND MATCH-SAFE.

SPECIFICATION forming part of Letters Patent No. 680,359, dated August 13, 1901.

Application filed April 22, 1901. Serial No. 56,951. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH RIST, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in a Combined Cigar-Cutter and Match-Safe, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

This invention relates to a combined match-box and cigar-cutter; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

One object of this invention is to provide an improved match-box having means for delivering the matches one by one and for holding them until removed.

Another object is to provide an improved match-box with a cigar-cutting attachment whereby the matches will be delivered one by one when the cigar-cutter is operated.

In the drawings, Figure 1 is a perspective view of my complete invention. Fig. 2 is a longitudinal section showing the arrangement of the interior. Fig. 3 is a plan view with the top removed. Fig. 4 is a view showing the under side of the device. Fig. 5 is a perspective view showing the means whereby the matches are held after being delivered from the inside of the match-box. Fig. 6 is a cross-section taken on the line 6 6 of Fig. 2 and looking to the right. Fig. 7 is a cross-section taken on the line 7 7 of Fig. 2 and looking to the left.

In the construction of my improved match-box a box 1 of any desired size and material is provided, which has an inclined bottom 2, sloping toward one end and provided with a raised portion 3, connected to a second raised portion 4. The matches are placed upon the bottom 2 and are drawn by gravity toward the end of the match-box and toward the elevations 3 4.

The cigar-cutter is supported adjacent to the match-box, and as it is operated it delivers the matches from the bottom 2 to the elevations 3 4, from which they are removed and passed out of the match-box by an improved device which I have provided for that purpose. The cigar-cutter consists of the vertical plate 5, operating through an opening in the top of the case and provided with a horizontal extension 6, having an opening 7 to receive the end of the cigar. A knife 8 is attached to an angled lever 9, which is pivoted to the plate 5, and the arm 10 is rigid with the said lever 5, and in the outer end thereof is formed a slot 11, within which the pin 12 operates, the said pin being rigid with the inside of the case. When the plate 5 is depressed, the knife 8 will be operated beneath the opening 7, because the pin 12 operates within the slot 11 and upholds the outer end of the arm 10, thereby pushing the knife 8 below the opening 7, as described. A rod 12' is rigid with the lower end of the plate 5 and operates through a guide 13, secured to the inner side of the case. A spring 14 rests upon the guide 13 and bears against the flange 15, rigid with the rod 12, a suitable distance above its lower end. Said spring 14 serves to hold the cigar-cutter in an elevated position, and when the cigar-cutter is lowered to cut the cigar the spring is compressed.

A number of arms 16 are pivoted adjacent to the cigar-cutter and extend underneath the inclined bottom 2. Slots are formed in the bottom 2, within which the arms 16 operate. The projections 18 extend from the arms 16, adjacent to the elevation 3, and when the arms are in their elevated position, as shown in Fig. 2, the upper ends of the arms 18 are slightly above the upper surface of the elevation 3 and are inclined toward the said elevation, as shown in the drawings. The arms 19 are also rigid with the arms 16, adjacent to the elevation 4, and operate through the openings 20, formed through the elevation 3. The upper ends of the said arms 19 are slightly above the upper surface of the elevation 4 and are inclined, as shown in Fig. 2.

A projection 21 extends from the plate 5 and has its outer end operating through a guide 22, carried by the rod 23, which connects the arms 16. By means of this connection when the cigar-cutter is operated as described the free ends of the arms 16, which carry the projections 18 and 19, will be lowered and assume the position shown by dotted lines in Fig. 2. This permits the matches contained within the match-box to move on the inclined bottom 2 and assume a position against the elevation 3. When the cigar-cutter is released, the spring 14 raises it to

its normal position and again brings the projections 18 and 19 up alongside of the elevations 3 and 4. As they are raised one or more of the matches will be carried upwardly upon the ends of the said arms and will be delivered therefrom onto the elevations 3 4. The matches are first delivered by the projection 18 onto the elevation 3 and from there they are raised by the projection 19 onto the elevation 4.

24 indicates a plate which is connected to the free ends of the arms 16 and is moved thereby, and a groove 25 is formed in the upper side of the said plate. This plate is raised and lowered by the arms, which are moved by the operation of the cigar-cutter, and when the said arms are at the lower extent of their movement the upper side of the plate is about even with the upper surface of the elevation 4, which permits the foremost match contained thereon to move and assume a position within the groove 25. When the cigar-cutter is released and the arms 16 are again raised to normal position, the plate 24 and the match carried thereby will also be raised and the match will be delivered from the interior of the box, as I will now describe.

A notch 26 is formed at one of the upper corners of the plate 24, and a section 27 of felt or other similar material is secured to the inner side of the match-box. A plate 28 is attached to the material 27 and extends into the match-box alongside of the plate 25, so that when the said plate is raised as described the end of the match which projects from the notch 26 will be engaged under the piece 27 and will be thrown into a vertical position by the continued movement of the plate 24. A slot 29 is formed in the top of the match-box to permit the passage of the match. The part 27 being of yielding material will give as the plate 24 is raised, and thereby grip the match and retain it in a vertical position until removed.

I claim—

1. A match-box, having an inclined bottom and a number of slots formed therein, arms pivotally supported below the bottom, a plate carried by said arms, means for operating the arms and plate, means whereby the said arms will deliver matches onto the plate, and means whereby the matches will be delivered one by one and held until removed, substantially as specified.

2. A match-box, having an inclined bottom provided with elevated portions near its lower end, a number of arms pivotally supported below the bottom, projections carried by said arms adjacent to the elevated portions, a plate carried by said arms and comprising a carrier and one member of a clamp, a section of soft material supported near said plate and forming the second member of the clamp, and means for operating the arms and plate to deliver matches to the clamp whereby they will be held until removed.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH RIST.

Witnesses:
EDWARD E. LONGAN,
ALFRED A. EICKS.