(No Model.) 2 Sheets—Sheet 1.

# P. & G. BLECHSCHMIDT.

## MATCH SAFE.

No. 572,100. Patented Dec. 1, 1896.

Fig. 8.

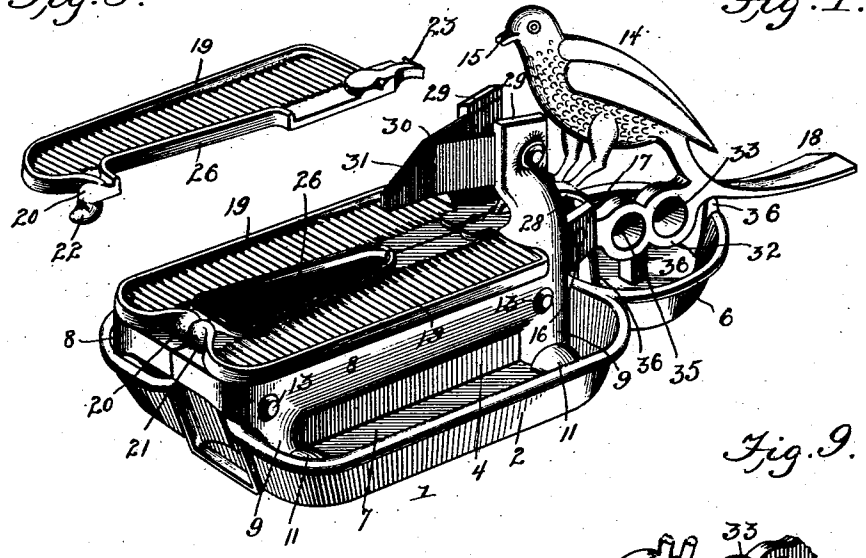



Fig. 1.

Fig. 9.

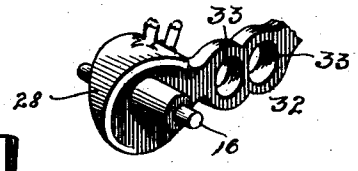



Fig. 4.

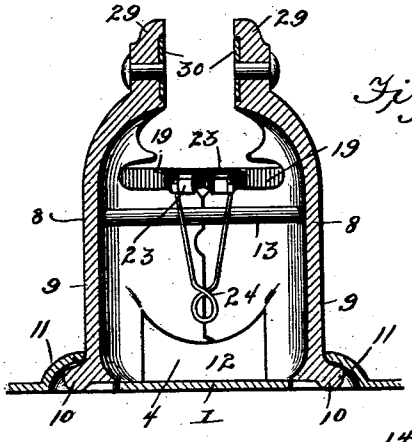



Fig. 2.




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(No Model.) 2 Sheets—Sheet 2.

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## MATCH SAFE.

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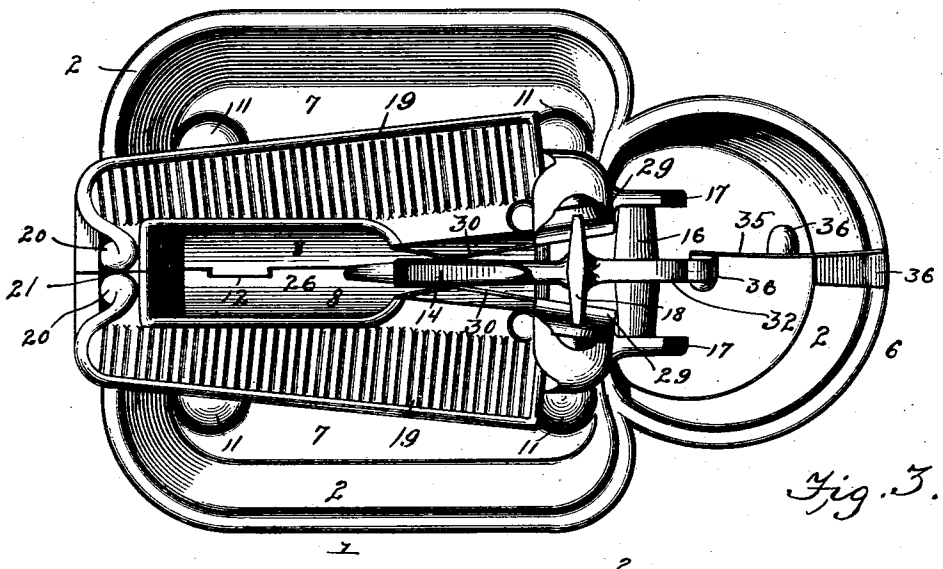



Fig. 3.

Fig. 5.

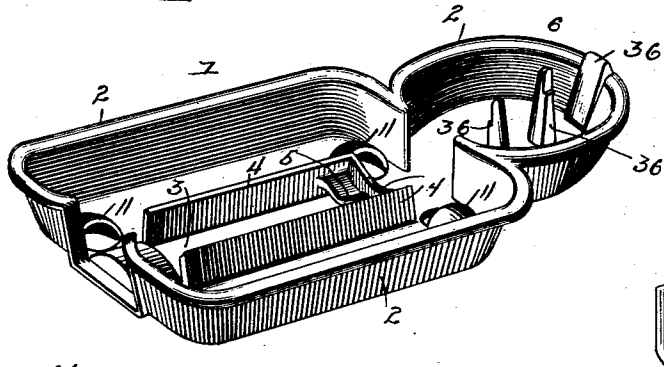
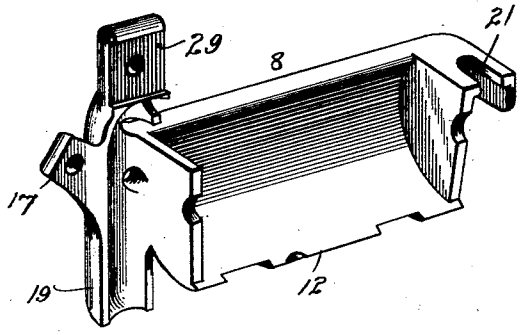



Fig. 7.



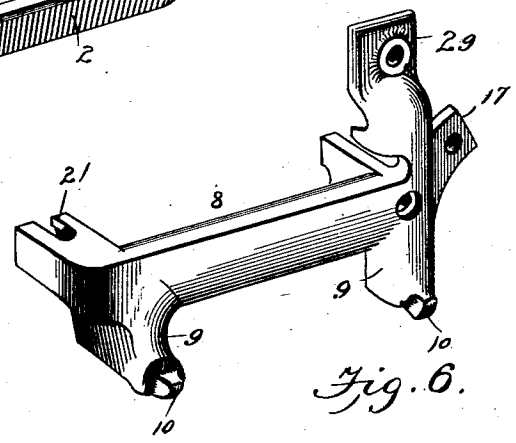




Fig. 6.

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# UNITED STATES PATENT OFFICE.

PAUL BLECHSCHMIDT AND GUSTAVE BLECHSCHMIDT, OF ROCK ISLAND, ILLINOIS.

## MATCH-SAFE.

SPECIFICATION forming part of Letters Patent No. 572,100, dated December 1, 1896.

Application filed August 19, 1896. Serial No. 603,269. (No model.)

*To all whom it may concern:*

Be it known that we, PAUL BLECHSCHMIDT and GUSTAVE BLECHSCHMIDT, citizens of the United States, residing at Rock Island, in the county of Rock Island and State of Illinois, have invented a new and useful Match-Safe, of which the following is a specification.

This invention relates to match-safes, and the object in view is to provide a simple, efficient, and attractive match-safe and cigar-cutter combined in which the figure of a bird, animal, or other object is combined with the match-receptacle and made movable relatively thereto, so that when such object is moved by hand it will enter said receptacle and pick up a single match and upon its return movement deposit said match between a pair of igniting-jaws, so that upon the withdrawal of the match from between such jaws the sulfur will be ignited and the match lighted. A cigar-cutter is connected with said movable object and arranged in such manner that upon the return movement a cigar-tip may be severed simultaneously with the placing of the match between the jaws.

With the above objects in view the invention consists in an improved match-safe and cigar-cutter embodying certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a match-safe and cigar-cutter constructed in accordance with the present invention. Fig. 2 is a longitudinal section through the same, showing the movable object in the act of picking up a match. Fig. 3 is a plan view with the parts in the position shown in Fig. 2. Fig. 4 is a detail cross-section showing the spring which actuates the lid-sections. Fig. 5 is a detail perspective view of the base of the device forming the receptacle for dead matches and severed tips. Fig. 6 is a similar view of one of the match-box sections, looking from the outside. Fig. 7 is a similar view looking from the inside. Fig. 8 is a detail perspective view of one of the lid-sections. Fig. 9 is a detail perspective view of a portion of the movable bird or other object.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

1 designates the base of the improved match-safe, which comprises a flange 2, extending partially or wholly around its edge. The main body of the base is substantially rectangular and has a central longitudinal slot 3, bounded on three or more sides by an upwardly-projecting flange 4, and also having at one end a reduced extension 5, through which may be inserted a screw or other fastener for securing the base fixedly to a table or other horizontal support. At one end of the rectangular portion of the base is a circular extension 6, which is also surrounded by the aforesaid flange 2, forming a receptacle into which severed tips may fall. As stated, this receptacle is arranged at one end of the main body of the base, while the remainder of the base is divided by the flange 4 into spaced parallel pockets or receptacles 7, in which dead matches may be deposited.

8 designates the match-box sections, of which there are two, the match-box being divided centrally and longitudinally, as shown. Each section comprises an inwardly and downwardly inclining side wall, whereby matches placed in the box are caused to gravitate toward the center, in readiness to be picked up, in a manner hereinafter explained. Each of the sections 8 is provided at each end with feet 9, having outwardly-projecting lugs or spurs 10, which engage sockets 11, formed integrally with the base. The bottom edges of the side walls of the match-box rest upon the flange 4, and said edges are provided with interlocking tenons and mortises, as shown at 12, by which said sections are held in their proper relative positions. The box-sections 8, when connected to the base by the means above described, are interconnected and firmly united by means of transverse rivets, pins, or bolts, or other suitable fasteners 13.

14 designates a bird, animal, or other object provided with one or more match-engaging points 15 and having laterally and oppo-

sitely projecting trunnions 16, which are received in bearing-openings in spaced ears or lugs 17 on the match-box sections 8, as shown. The bird or other object is thus pivotally mounted at or near one end of the match-box and arranged in such manner that when rocked in one direction the points 15 will enter the match-box and embed themselves in one of the matches preparatory to lifting the same into a position preparatory to be grasped by the smoker. The tail of the bird, animal, or other object is extended back sufficiently to form a handle or finger-hold, by means of which the object may be rocked back and forth, 18 designating such handle.

19 designates the lid of the box, which is formed in two horizontally-swinging sections. Each of said sections is provided at its hinged end with a depending pintle 20, which passes through a slot or opening 21 at the end of one of the match-box sections, and such pintle is provided at its lower extremity with a lip 22 for preventing the lid-section becoming disengaged. At its opposite end each section is provided with a notched lip 23, which is engaged by one arm of a spring 24, such spring serving to draw the lid-sections together so that their meeting edges will touch, while at the same time the lid-sections may yield laterally and separate, as to their meeting edges, to allow the bird or other object to pass between them. The meeting edges of the lid-sections are cut away adjacent to their hinged ends to form an opening 26 for the introduction of matches to the box; but the free ends of said sections are adapted to abut closely together to prevent burning sulfur from falling into the box and igniting the other matches. The lid-sections are separated when the object is rocked by means of a cam or wedge 28, carried by the movable object and arranged near its fulcrum-point, such cam or wedge entering point first between the notched lips 23, above referred to. Upon the return movement of the object and incident withdrawal of said cam or wedge the spring 24 operates to move the lid-sections again together.

The box-sections 8 are provided at their inner ends with upwardly-extending ears 29, to which are secured spring-jaws 30, which bear against each other at their free ends just over the longitudinal center of the match-box and in position to be separated or moved apart by the bird or other object in its downward movement. The free ends of the spring-jaws 30 are preferably beveled off, as indicated at 31, and also toothed or serrated or otherwise roughened for the purpose of igniting or scratching a match upon the withdrawal of the same from between said jaws.

Formed integrally with the bird or other object is a cigar-cutter consisting of a web 32, having one or more perforations 33, through which the tip of a cigar may be inserted. Arranged at one side of the web 32, when the same is in its lowermost position, is a knife-blade or cutter 35, the same being removably fitted between the upper ends of three or more holding-lugs 36, formed, preferably, integrally with the base 1 and located within the receptacle for the cigar-tips. By means of this construction a cigar-tip may be severed upon the return movement of the bird or other object, and the cutter may be removed for sharpening and replaced.

In operation matches are placed in the box, and when it is desired to light a cigar the bird or other object is rocked forward until the match-engaging points pick up a match, whereupon the movement of the object is reversed, and upon the withdrawal of such object from between the spring-jaws the match is caught by said jaws and held head downward. By now withdrawing the match from between said spring-jaws the head thereof will be scratched and ignited. The device may be cast or otherwise formed in sections, as described, is simple and economical in construction, ornamental in appearance, and effective.

It will be understood that various changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new is—

1. A match-safe comprising a lid consisting of vibratory sections, a movable object adapted to pass between the lid-sections for picking up a match, a cam or wedge for moving said sections apart, and means for automatically closing said sections on the return movement of said object, substantially as described.

2. A match-box, comprising a hinged and sectional lid, a movable object adapted to enter between said sections when opened, means carried by said object for moving said sections apart at their meeting edges, and an actuating-spring for closing said sections on the return movement of said object, substantially as described.

3. A match-safe comprising a match-receptacle, opposing spring-jaws adapted to grasp the matches and also roughened for the purpose of igniting the matches as they are withdrawn from between said jaws, and a movable object adapted to enter between and spread said jaws and to pick up and deposit a match between the jaws substantially as described.

4. A match-box, comprising a sectional and hinged lid, a movable object adapted to enter between the lid-sections, means for opening and closing said sections, a perforated web carried by said object, and a cutter removably fitted to the base of the device and operating in conjunction with said web, substantially as and for the purpose described.

5. A match-safe comprising a match-receptacle, a lid therefor made up of vibratory sections, a movable object adapted to be actu-

ated to pass between the lid-sections for picking up a match, match holding and igniting jaws arranged above the lid and in the path of the movable object so as to be spread apart by the downward movement of said object, and means for operating the movable object, and at the same time causing the lid-sections to be spread apart, substantially as described.

6. In a match-safe and cutter, the combination with the match-receptacle, of the movable object adapted to pick a match therefrom, a web 32 carried by the object and provided with one or more perforations 33, and a knife-blade or cutter 35 arranged in the path of the web and adapted to coöperate with the perforations, substantially as described.

7. In a match-safe, in combination, a match-receptacle, a movable object for picking up the matches, and opposing jaws arranged between said receptacle and object and in the path of the latter, the said object being arranged to move between and spread the jaws as it moves toward the receptacle, and to pick up a match and deposit the same between the jaws in its return movement, substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

PAUL BLECHSCHMIDT.
GUSTAVE BLECHSCHMIDT.

Witnesses:
EMIL BLECHSCHMIDT,
ALBERT TEUFEL.