

No. 798,341.

PATENTED AUG. 29, 1905.

D. L. HILL.
CIGAR PERFORATOR.
APPLICATION FILED APR. 16, 1904.

Fig. 1.

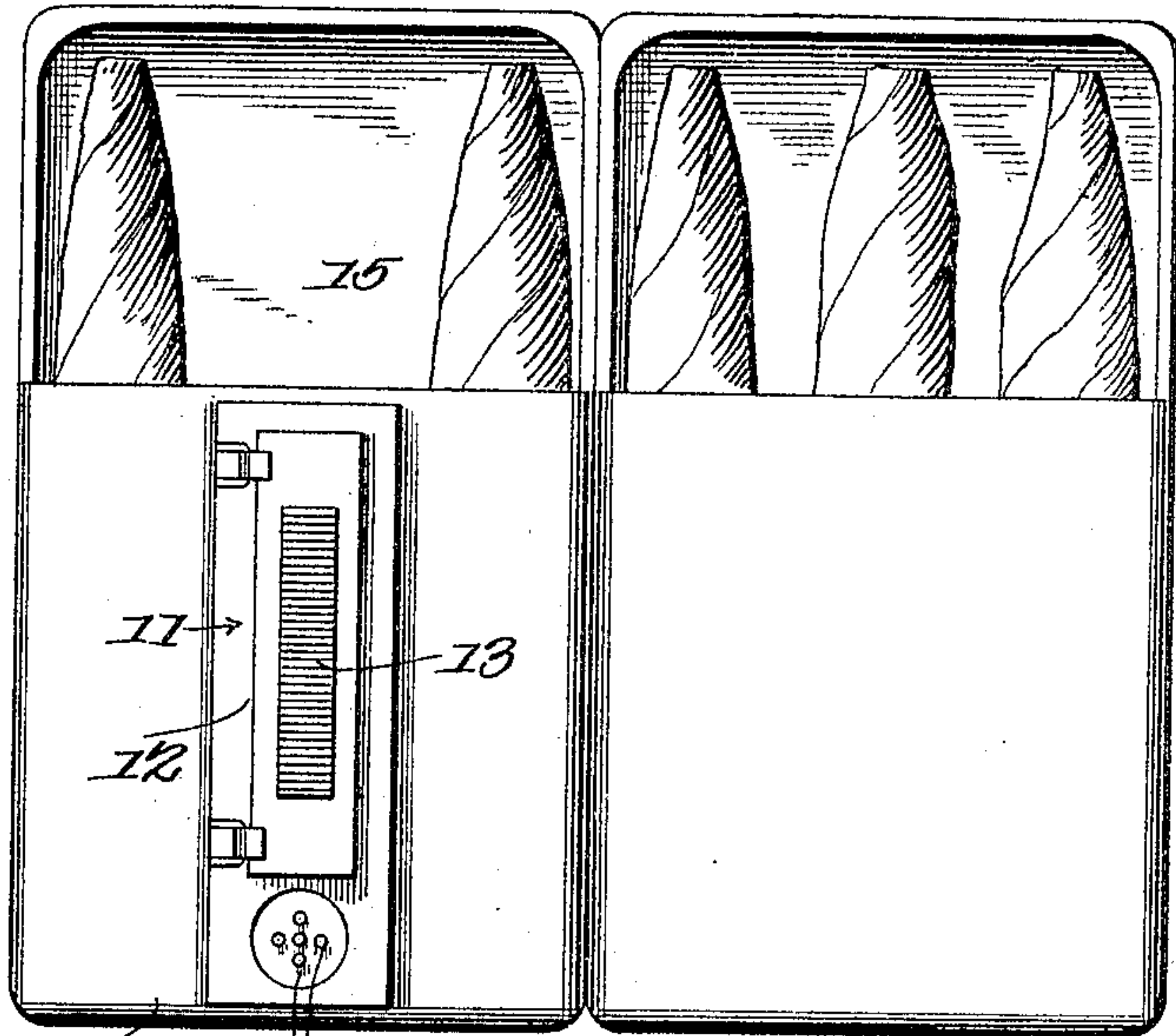
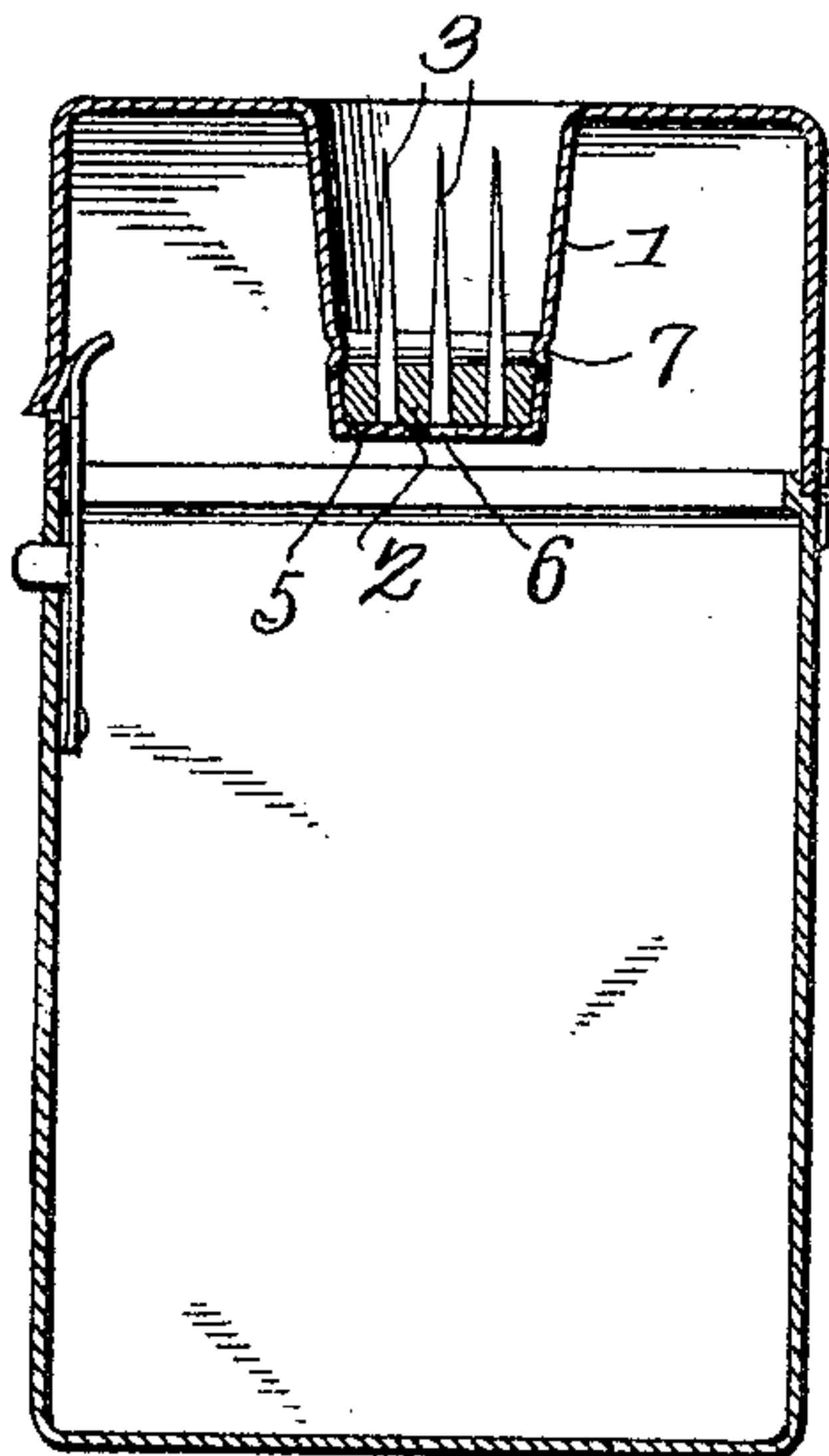


Fig. 2.

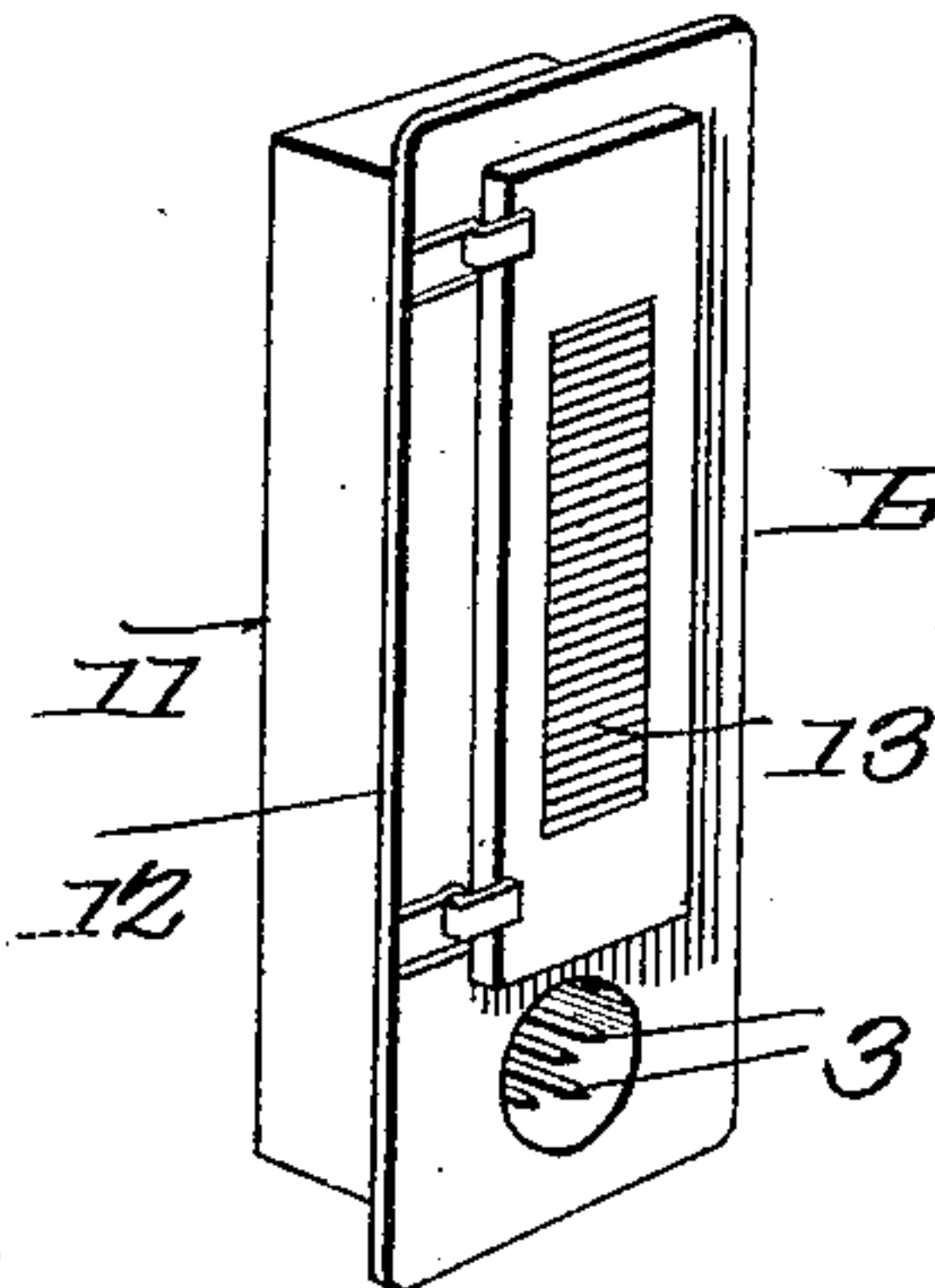


Fig. 3.

Fig. 5.

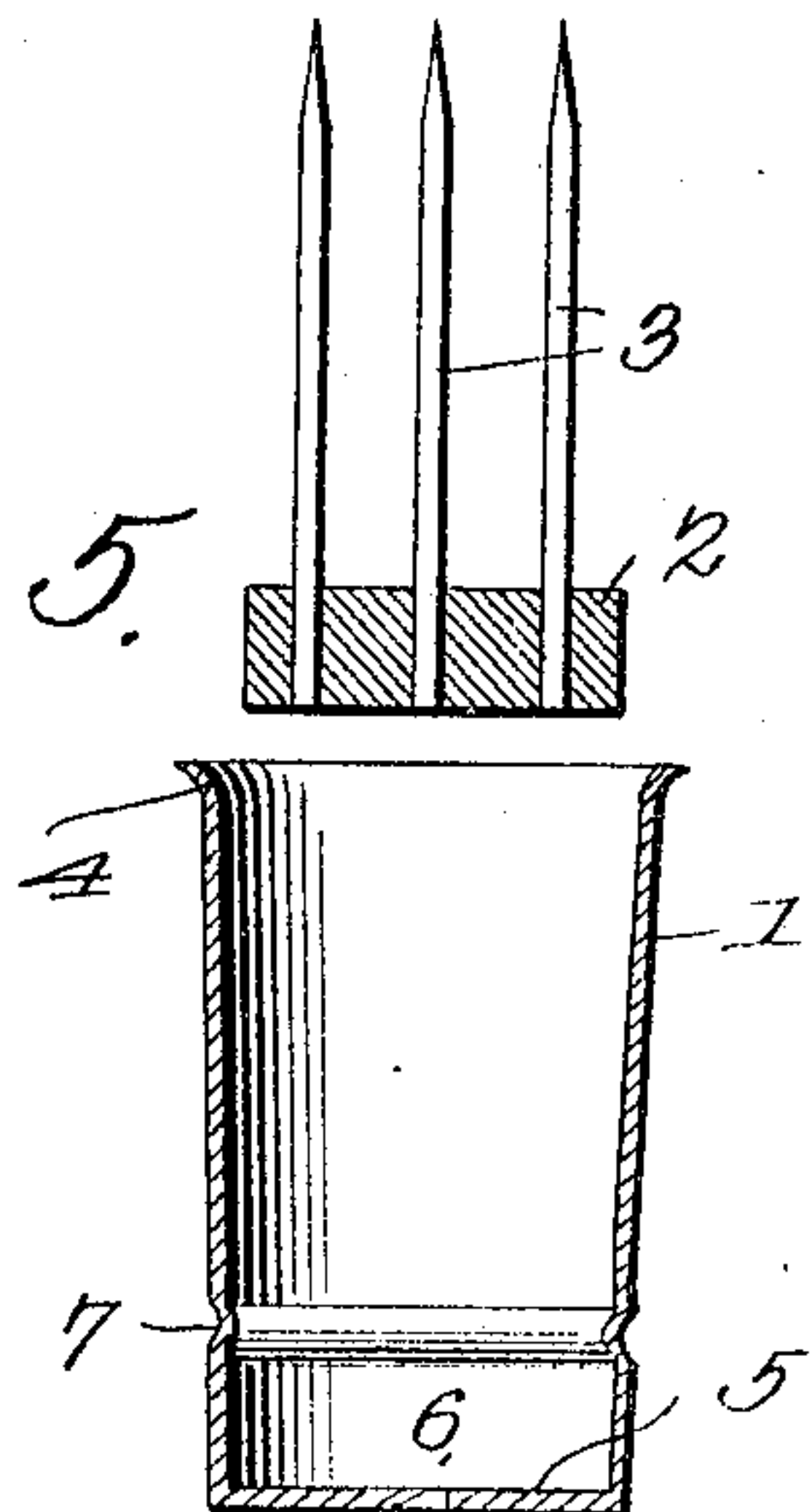
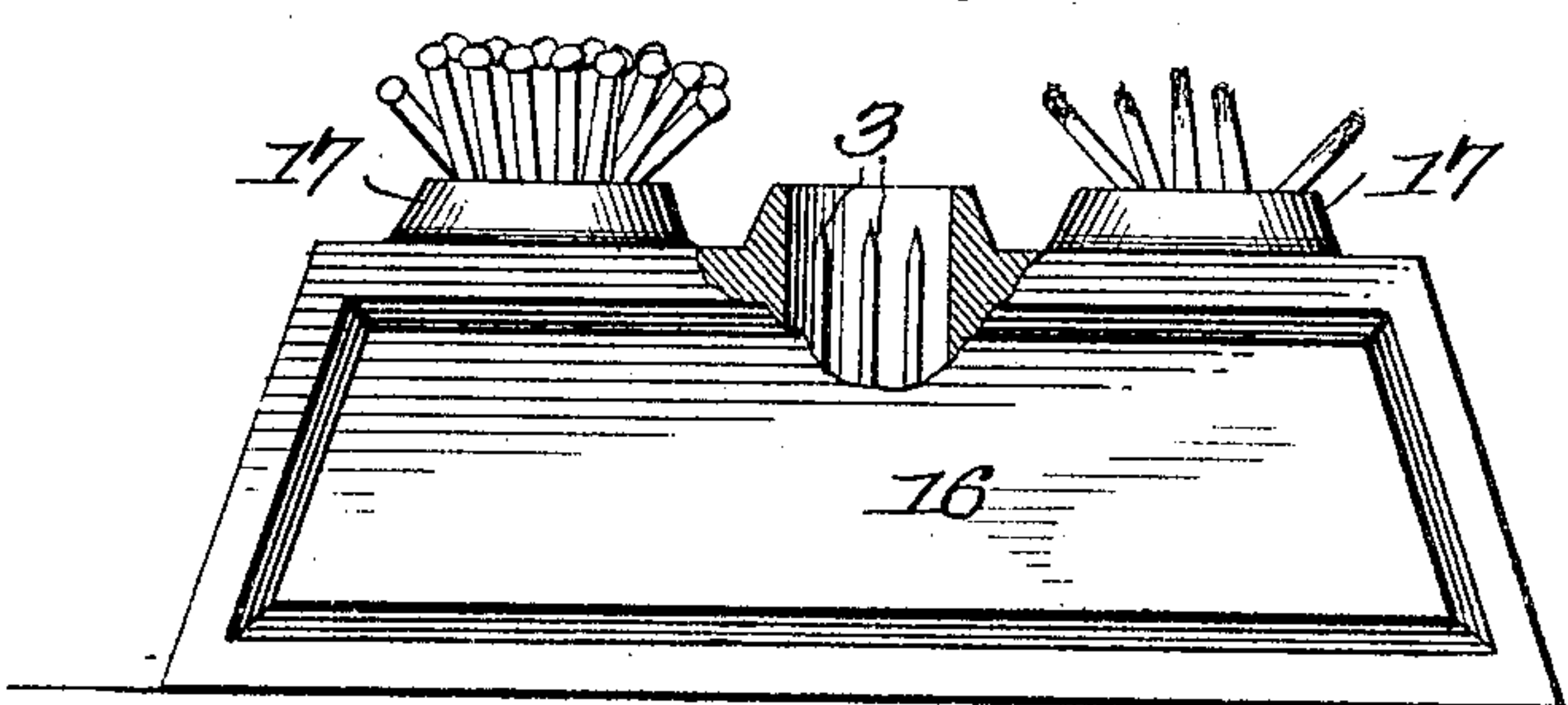


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

DAN L. HILL, OF KEENE, NEW HAMPSHIRE.

CIGAR-PERFORATOR.

No. 798,341.

Specification of Letters Patent.

Patented Aug. 29, 1905.

Application filed April 16, 1904. Serial No. 203,513.

To all whom it may concern:

Be it known that I, DAN L. HILL, a citizen of the United States, residing at Keene, in the county of Cheshire and State of New Hampshire, have invented a new and useful Cigar-Perforator, of which the following is a specification.

This invention relates to cigar-perforators, and has for its object to produce a simple inexpensive device of this character which in practice will efficiently perform its functions and one in which the body or member carrying the perforating elements will be firmly but detachably retained within its casing to permit the perforating elements when worn being readily replaced by new ones.

A further object of my invention is to provide a match-safe with a perforator of the above character and, further, to provide a match-receptacle with a perforator, the receptacle in turn being mounted within a cigar-case.

To these ends the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a sectional elevation of a pocket match-safe having my improved perforator applied thereto. Fig. 2 is an elevation of a cigar-case provided with a match-receptacle having a perforator applied thereto. Fig. 3 is a perspective view of the match-receptacle removed from the case. Fig. 4 is a side elevation, partly in section, of a stand match-safe having a perforator applied thereto. Fig. 5 is a detail sectional view showing the parts of the perforator separated.

Referring to the drawings, it will be seen that my improved perforator comprises, essentially, a tubular member or casing 1, a retaining member or body 2, and a perforating element or elements 3, carried by the body. The casing 1 is preferably composed of sheet metal and of substantially bell shape, having a flared open end 4 and a closed end 5, the wall of which is preferably perforated, as at 6, the wall of the casing adjacent to the end 5 being provided with a peripheral encircling groove or depression producing a corresponding rib or extension 7 upon the interior of the casing.

The retaining member or body 2, which is of a depth or thickness substantially equal to the space between the wall 5 and rib 7, is composed, preferably, of lead or other suitable readily-fusible metal, into which is embedded the inner ends of the perforating ele-

ments 3, the latter being preferably in the form of needles or pins having their outer sharpened ends terminating just within the mouth 4 of the casing.

To assemble the parts of the device, the member 2, which has been previously cast or otherwise formed with the ends of the elements 3 embedded therein, is inserted in the open end of the casing and forced inward behind the interior of the rib or extension 7, which will be thereby caused to engage the outer edge of the body to retain the latter firmly in the casing against the end wall 5, on which the body will bear. To perforate a cigar for use, the pointed end or mouthpiece of the latter is inserted into the open end 4 of the casing and pressed inwardly against the pins or elements 3, which will thus perforate the wrapper sufficiently to insure a perfect draft through the cigar, at the same time obviating liability of the latter becoming broken or otherwise damaged by the perforating operation. After the elements 3 have become defective through wear or other causes pressure is applied in rear of the body 2, generally by means of an instrument inserted through opening 6, for forcing the body outward past the rib 7, thereby permitting removal of the body and the substitution therefor of another body carrying new or perfect perforators.

In Fig. 1 I have illustrated a pocket match-safe composed of sheet metal or similar material and having one of my improved perforators applied thereto, the perforator being carried, preferably, by the cover and adapted normally to project within the casing. In this form the casing 1 is preferably pressed or otherwise formed directly in the material of the cover, as shown.

In Figs. 2 and 3 I have illustrated a match-receptacle 11 composed of sheet metal or other suitable material and having a surrounding outwardly-projecting flange 12 and a roughened lid or cover 13, adjacent to one end of which the cigar-perforator is disposed. The receptacle is seated through an opening formed in one of the partitions 14 within the cigar-case 15, the receptacle being secured in place by means of rivets or equivalent devices extending through the flange 12 and partition 14.

In Fig. 4 I have illustrated a stand match-safe provided with a perforator constructed in accordance with my invention. In this arrangement the stand 16 has a pair of sockets or holders 17, one for good and the

other for burned matches, there being disposed between the holders a socket or casing for the reception of perforating elements 3, applied in accordance with my invention, as above recited and as clearly illustrated in Fig. 5.

From the foregoing it will be seen that I produce a simple inexpensive device which in practice will efficiently perform its functions and one in which the members subjected to the greatest amount of wear may be readily replenished as required. In attaining these ends it must be understood that I do not limit myself to the precise details herein set forth, inasmuch as minor changes may be made without departing from the spirit of the invention.

Having thus described my invention, what I claim is—

20 A cigar-perforator comprising a tubular casing stamped from a single piece of metal

and having an open mouth and a flat end wall provided with a centrally-disposed opening, the side walls of said casing at a point adjacent the end wall thereof being stamped inwardly to form an annular retaining-rib, a removable body formed of fusible metal seated within the casing and normally engaging the flat end wall at said opening, and a plurality of perforating-needles embedded in said fusible metal and having their free ends pointed and disposed at the mouth of the casing, said removable body being retained within the tubular casing by engagement with the annular rib.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

DAN L. HILL.

Witnesses:

LEWIS W. HOHNE,
EARL G. B. HILL.