

(No Model.)

C. MATZ.

MACHINE FOR PERFORATING CIGAR HEADS.

No. 567,947.

Patented Sept. 15, 1896.

Fig. 1.

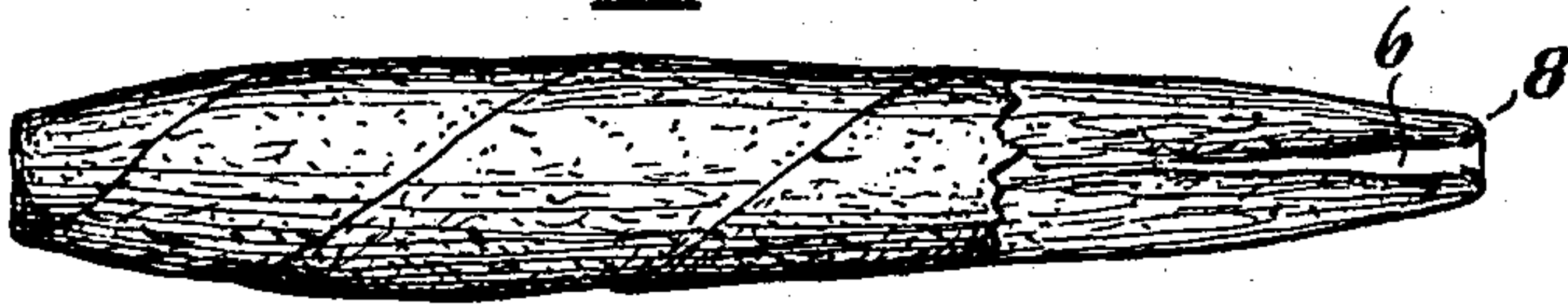


Fig. 2.

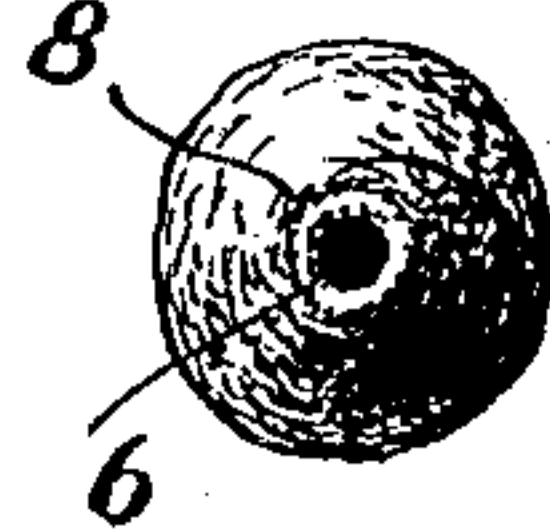


Fig. 3.

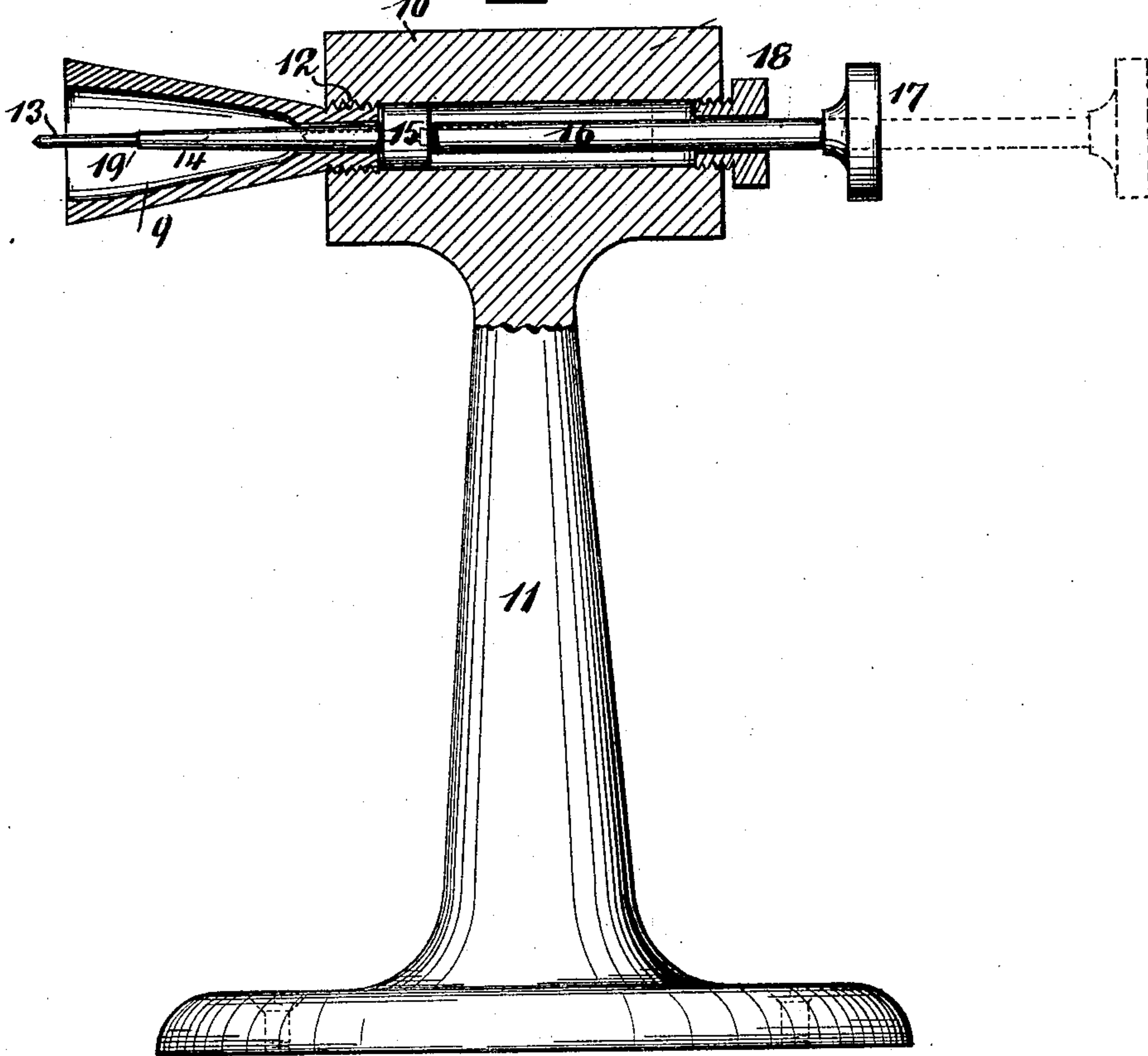


Fig. 4.



Attest
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UNITED STATES PATENT OFFICE.

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MACHINE FOR PERFORATING CIGAR-HEADS.

SPECIFICATION forming part of Letters Patent No. 567,947, dated September 15, 1896.

Application filed October 5, 1895. Serial No. 564,793. (No model.)

To all whom it may concern:

Be it known that I, CONRAD MATZ, a citizen of the United States, and a resident of Newport, Campbell county, State of Kentucky, have invented a certain new and useful Machine for Perforating Cigar-Heads; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, attention being called to the accompanying drawings, with the reference-numerals marked thereon, which form a part of this specification.

The object of this invention is to provide a machine whereby to finish a cigar-head in a manner to make it unnecessary to open the end for the purpose of obtaining the required draft. At present this is done in many cases by removing the tip by cutting or biting it off. This mode of removal has many objections. Often it causes the wrapper to break, which then, becoming loose, makes the whole cigar useless by destroying the draft. It also, in most cases, causes the component parts of the filler to disintegrate and permits them to pass into the smoker's mouth. Furthermore, it does not in all cases produce the required free draft, especially not when the cigar is tightly packed, which often occurs at a place called the "shoulder," which is at a point about an inch from the head or tip where the thicker part of the cigar commences. To overcome these objections, cigars have been finished in a manner which provides the necessary draft-opening, and an improved and greatly-simplified device whereby such draft-opening is produced forms the subject of my invention, which is fully described in the following specification, and pointed out in the claim, the device and resulting product being also illustrated in the accompanying drawings, in which—

Figure 1 shows a cigar, partly in section, finished with my improved device. Fig. 2 is an end view thereof. Fig. 3 is a section of the improved device. Fig. 4 is a sectional detail view.

To overcome the objections previously stated, cigar-heads are provided with a permanently-open draft duct or perforation 6, passing in from the end and terminating be-

yond a point at the shoulder, where cigars are mostly tightly packed, thereby insuring a free draft at all times. Removal of the end or tip by biting or otherwise becomes thereby unnecessary, and by finishing the edge or margin 8 around the outer opening in a compact manner the wrapper is prevented from opening up or the filler from disintegrating. To provide a cigar with these features, I have invented a device consisting of a holder 9, being shaped in a manner to receive and fit around the end of a cigar and being secured to a barrel 10, suitably supported on standard 11, which at its base may be secured immovably in position on the cigar-maker's table. Holder 9 is preferably removably secured to barrel 10 in order to permit substitution of different shapes to accommodate different styles of cigars. For such purpose it is provided with a neck 12, screw-threaded exteriorly to be received by the screw-threaded end of barrel 10. The perforation is produced by a pin reciprocating within the hollow part of holder 9, passing through the neck thereof and guided by the bore of barrel 10. It consists of the pointed and straight piercing end 13, the widening and swaging portion 14, the guiding-collar 15, the shank 16, and the handle 17. A stop formed by a nut 18 confines the whole to the barrel. The procedure is as follows: The cigar is wrapped as usual, with the exception that the usual care and particularity for finishing the head or tip is not required. With a very small portion of the head cut off, to permit the piercing end 13 to enter centrally, the head is held within holder 9 with the pin retracted, as shown in dotted lines in Fig. 3. With a quick thrust the latter is pushed into the cigar end, piercing end 13, forcing the passage which is widened out by the tapering portion 14, which follows. The latter also carries with it the torn end of the wrapper around the opening, such end being caught and started inwardly by a shoulder 19, formed between parts 13 and 14 of the pin. The margin or edge 8 around the mouth of the perforation may be finished with the head of the cigar still closely confined between the inside of cup 9 and part 14 of the pin by turning the latter while yet in position several times, whereby the swaged-in parts of the wrapper

become smoothened by being twisted to lie over each other around the inside of the mouth of the perforation, whereby they readily remain in position. Finally, before removal
5 the cigar itself may be turned a few times within the holder to smoothen and finish the outside of the cigar around the head. The effect of the twisting action on the inturned parts or edges of the wrapper is increased by
10 having the tapering portion 14 of the pin fluted, as shown in Fig. 4.

Having described my invention, I claim as new—

15 In a device for providing cigar-heads with a permanent draft-opening, the combination of a barrel 10, having a central longitudinal bore, a standard 11 upon which this barrel is supported in a horizontal position, a base
20 from which this standard rises and whereby it becomes adapted for attachment to a worktable, a holder 9 shaped to be capable of receiving a cigar-head and connected to the barrel by being screwed into one end of the bore thereof, said holder which is connected

so as to be with its narrower end nearest to 25 the adjacent end of the barrel being also provided with a central longitudinal bore which starts from the inner end thereof and is centrally in line with the bore of the barrel, a
30 pin 16 supported in the bore of the latter and provided with a collar 15 which fits such bore, a nut 18 at the other end of the barrel and through which nut pin 16 passes whereby in conjunction with collar 15 it is properly
35 guided, such nut also forming a stop to limit the outward movement of the pin, the front end of which, being adapted to be moved into and enter the holder, consists of the tapering
40 part 14, being longitudinally fluted, and the straight, pointed end portion 13 with the shoulder 19 between them.

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

CONRAD MATZ.

Witnesses:

C. SPENGEL,
ARTHUR KLINE.