No. 882,825. PATENTED MAR. 24, 1908.

I. A. HEALD.

CIGAR AND CIGARETTE HOLDER.

APPLICATION FILED NOV. 19, 1906.

2 SHEETS—SHEET 1.

FIG. 1

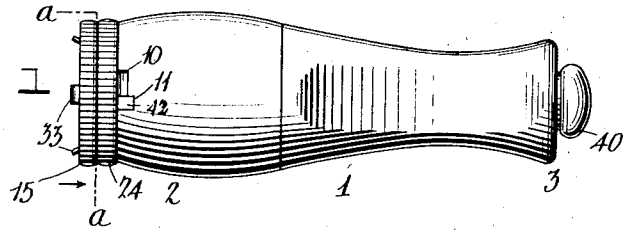


FIG. 2

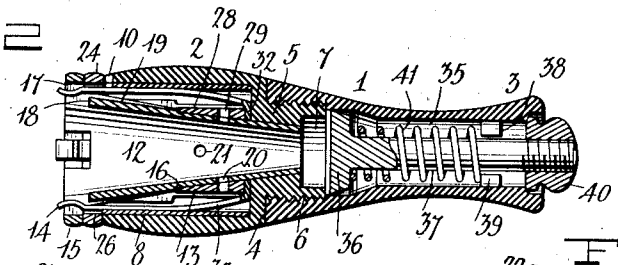


FIG. 3

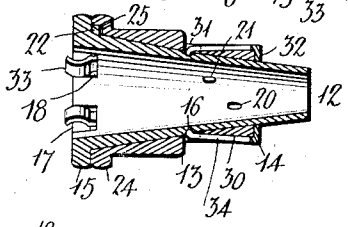
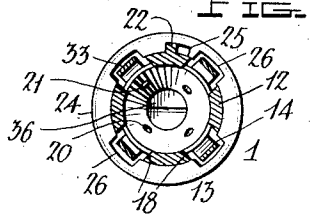


FIG. 4



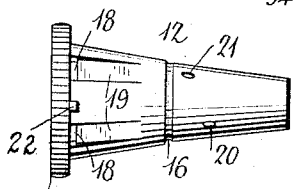


FIG. 5

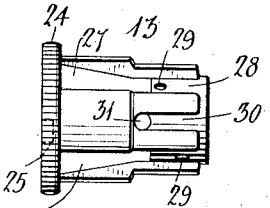


FIG. 6

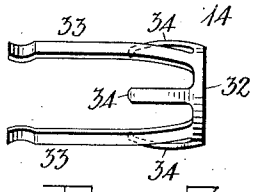
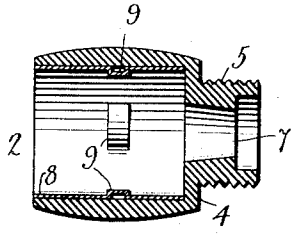


FIG. 7

FIG. 8



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2 SHEETS—SHEET 2.

Fig. 9

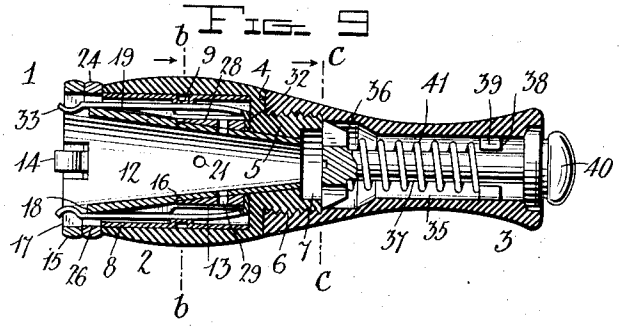


Fig. 10

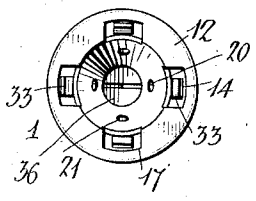


Fig. 11

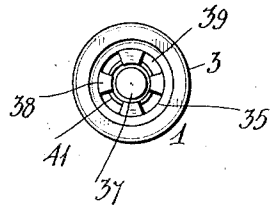


Fig. 12

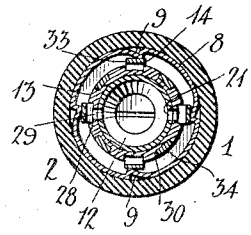


Fig. 13

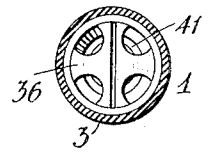
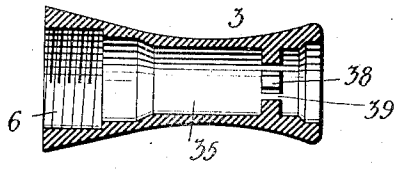


Fig. 14



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UNITED STATES PATENT OFFICE.

ISSACHAR A. HEALD, OF WASHINGTON, DISTRICT OF COLUMBIA.

CIGAR AND CIGARETTE HOLDER.

No. 882,825. Specification of Letters Patent. Patented March 24, 1908.

Application filed November 19, 1906. Serial No. 344,149.

To all whom it may concern:

Be it known that I, ISSACHAR A. HEALD, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Cigar and Cigarette Holders; 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.

My invention relates to improvements in cigar and cigarette holders, and it consists in the construction, combination and arrangement of devices hereinafter fully described and claimed.

This invention is an improvement on the cigar and cigarette holder for which Letters-Patent of the United States, No. 566,946, were granted to me August 9, 1904.

One object of my present invention is to provide means for regulating the draft, and modifying the smoke.

Another object is to effect improvements in the spring clamping means and coacting elements for holding the cigar or cigarette, to enable the holder to be used with cigars or cigarettes which vary in size.

Another object is to provide an air space between the cup element which holds the inner end of the cigar or cigarette and the mouth piece, and to further provide the said cup element with draft openings near the inner end of the cigar or cigarette to promote the combustion of the latter and enable the stump thereof which is ordinarily thrown away, to be entirely smoked or consumed.

A further object is to effect improvement in the means for detachably securing the various parts of the holder together, to enable the same to be readily disassembled and cleaned.

A further object is to provide efficient and automatically-acting means to prevent saliva from entering the holder.

In the accompanying drawings,—Figure 1 is an elevation of a cigar and cigarette holder embodying my improvement; Fig. 2 is a longitudinal sectional view of the same, taken on a plane intersecting the draft openings, the arms of the spring-clamp being shown in position; Fig. 3 is a detail longitudinal sectional view of the holding cup, the draft-regulating sleeve, and the spring clamp; Fig. 4 is a transverse sectional view, taken on the plane indicated by the line *a*—*a* of Fig. 1; Fig. 5 is a detail elevation of the cup; Fig. 6 is a similar view of the draft-regulating sleeve; Fig. 7 is a similar view of the spring clamp; Fig. 8 is a detail longitudinal sectional view of the outer member of the mouth piece; Fig. 9 is a longitudinal sectional view of the cigar and cigarette holder, showing the arms of the spring clamp in position to clamp and hold a cigar or cigarette; Fig. 10 is an outer end elevation of the same; Fig. 11 is an inner end elevation of the same; Fig. 12 is a transverse sectional view, taken on the plane indicated by the line *b*—*b* of Fig. 9; Fig. 13 is a similar view, taken on the plane indicated by the line *c*—*c* of Fig. 9; Fig. 14 is a detail longitudinal sectional view of the mouth piece.

The mouth piece 1 comprises the outer or holder member 2, and the inner or mouth-tube member 3. The outer member is provided at its inner end with a shoulder 4 and a reduced, cylindrical stud portion 5, which is here shown as externally screw-threaded and screwed into an interiorly-threaded socket 6 in the outer end of the inner member. The stud portion 5 has a longitudinal cylindrical bore or passage 7 of suitable size. The bore or socket of the member 2 is here shown as provided with a cylindrical, metallic lining 8, which is provided, at a point about midway between its ends, with an annular series of inwardly-extending cams 9, of which there may be any suitable number, four being here shown. At the outer end of the member 2 is a recess 10, designed for a purpose, which will hereinafter appear.

Within the bore or socket of the member 2 are placed a holding cup 12, to receive the inner end of a cigar or cigarette, a sleeve 13 which coöperates therewith to regulate the draft, and a spring clamp 14, which serves to detachably secure the sleeve on the cup and, in coaction with the cams 9 in the member 2, to clamp and securely hold a cigar or cigarette. The cup is substantially conical in form, with an outwardly-extending annular flange 15, at its outer end, the outer edge of which is milled. Around the barrel of the cup, at a point about midway between the ends, is an annular groove 16. In the outer end of the cup are notches 17 which correspond in number with the cams 9. Said notches communicate with openings 18, which communicate with longitudinal grooves 19, on the outer side of the cup.

At a suitable distance from the inner end

of the cup are draft-regulating openings 20, and at points somewhat farther from the inner end of the cup are draft-regulating openings 21, which are out of line with the openings 20. A stop 22 projects from the larger end of the cup, on the inner side of the flange 15. The draft-regulating sleeve 13 fits and is adapted to partly turn on the cup, but is somewhat shorter than the latter, so that the inner, smaller end of the cup projects beyond the inner end of the sleeve and may be tightly fitted in the contracted bore of the member 2. Said sleeve has at its outer end a milled flange 24 to bear against the inner side of the flange 15 of the cup, and has a recess 25 to receive the stop 22 of the cup, to enable the sleeve to be partly turned on the cup and limit the extent to which it can be so turned. A stop 42 projects from the said sleeve and is located at the inner side of the flange 24.

In the outer end of the sleeve are inwardly-opening notches 26, with which communicate longitudinal openings 27, at the inner ends of which are longitudinal grooves 28, said notches, openings and grooves forming passages for the reception of the longer, cigar or cigarette clamping arms of the clamp spring. At points coincident with said grooves are draft-regulating openings 29, to coact with the openings 20, 21, of the cup. Also on the inner end of the sleeve and at points midway between the grooves 28 and at the inner end of the sleeve are grooves 30 for the reception of the shorter arms of the clamp spring. Openings 31 at the inner ends of said grooves register with the annular groove 16 of the cup. The spring clamp 14 comprises a circular head 32 to receive the smaller end of the cup and bear against the inner end of the sleeve, long spring arms 33 to extend through the passages in the sleeve and project inwardly through the openings and notches at the outer ends of the cup and hence cause their free ends to enter the outer end of the cup, and short spring arms 34, to lie in the grooves 30 of the sleeve, project through the openings 31 and at their outer ends enter the annular groove 16 of the cup, and hence secure the sleeve and also the spring clamp in place in the cup while permitting the sleeve to be turned on the cup to open or close the draft regulating openings in said cup and sleeve to any desired extent. The said spring arms 33, 34, are preferably formed integrally with the circular head.

The cup, sleeve and spring clamp when they have been thus assembled are placed in the bore or socket of the outer member 4 of the mouth piece, the stop 22 of the cup being caused to enter the recess 25, which is so disposed with reference to the cam 9, that the latter will be engaged by the long arms 33 of the spring clamp and the free ends of said arms will be pressed inwardly toward each other and caused to clamp upon the inner end of a cigar or cigarette, so as to hold the same. Said spring arms, being yieldable will enable cigars or cigarettes of various sizes to be readily smoked, as will be understood. The stop 42 of the sleeve must be caused to enter the recess 11 to prevent the sleeve from turning in the mouth piece.

It will be observed by reference to Fig. 2 of the drawings that the inner end of the cigar or cigarette fits in the cup, to close the latter, that an annular space is formed in the bore or socket of the member 2 around the outer portion of the cup and around the sleeve, and that the inner end of the sleeve fits snugly in the contracted bore of the stud or inner portion of the sleeve, so that when the draft-regulating openings of the cup and sleeve are closed, there can be no draft excepting directly through the cigar or cigarette. When, however, the sleeve has been turned on the cup to open the said draft openings, air may be caused to pass around without having to pass through the cigar or cigarette, and commingled in any proportion desired with the smoke, to modify the taste and effect thereof, as the smoker may desire.

The stem 3 of the mouth piece is provided with a valve to prevent the saliva from entering the mouth piece. In the inner end of the tubular stem is a chamber 35, in which operates a head 36 to close toward and open from the end of the said stud 5. The head has a rod 37, which extends through the bore of the stem 3 and projects from the mouth end thereof, where it is provided with a screw-thread. An annular series of inward projections 38 are formed in the bore of the stem and are spaced relatively to form draft passages 39. The valve rod extends through and operates in the opening formed by said flange, and an outer valve 40 is screwed upon the projecting end of the rod 37 and serves to open and close the mouth end of the stem. A spring 41, here shown as a coiled extensible spring, on the valve rod and bearing between the flange 38 and the inner head 36, serves to normally close the said valve 40. As the smoker draws upon the cigar or cigarette, said valve opens against the tension of said spring. The latter then serves to close said valve and hence causes it to prevent saliva from entering the stem. By turning the valve 40 to adjust the same on the rod, the tension of the spring may be varied as desired.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the prin-

ciple or sacrificing any of the advantages of the invention, as defined by the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by Letters-Patent, is,—

1. A holder of the class described having a mouth piece provided with a socket and cams in said socket, a cup element in the socket to receive the end of the cigar or cigarette, and clamping means on said cup element, coacting with the cams to engage and hold the cigar or cigarette.

2. A holder of the class described having a mouth piece provided with a socket and cams in said socket, a cup element in the socket to receive the end of a cigar or cigarette, and spring clamping arms on said cup element, coacting with the cams to engage and hold the cigar or cigarette.

3. A holder of the class described having a mouth piece provided with a socket, a cup element in said socket, to receive the inner end of the cigar or cigarette, and a movable sleeve on said cup element, the latter and the sleeve having co-acting means to regulate the draft.

4. A holder of the class described comprising a mouth piece having a socket, a cup element detachably fitted in the socket, a sleeve movable on said cup element and coacting therewith to regulate the draft, and a spring clamping means on said cup element and sleeve, to detachably secure them together, adapt one for movement with reference to the other, and to also coact with the cup element in holding a cigar or cigarette.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ISSACHAR A. HEALD.

Witnesses:
BENJ. G. COWL,
MATTHEW TRIMBLE.