(No Model.)

R. L. P. HENNE.

TOBACCO PIPE.

No. 581,824. Patented May 4, 1897.

FIG. 2.

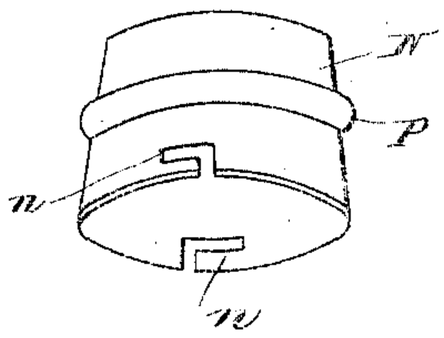

FIG. 1

WITNESSES

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TOBACCO-PIPE.

SPECIFICATION forming part of Letters Patent No. 581,824, dated May 4, 1897.

Application filed September 28, 1896. Serial No. 607,149. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH LUDWIG PAUL HENNE, a citizen of the United States, and a resident of Bellevue, in the county of Campbell and State of Kentucky, have invented certain new and useful Improvements in Tobacco-Pipes, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts wherever found throughout both views.

This invention relates to tobacco-pipes; and the objects thereof are to provide an improved device of this class which is so constructed as to prevent the overheating of the outer surface of the bowl and also to cool the smoke before it enters the mouth; and with these and other objects in view the invention consists in the construction, combination, and arrangement of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a central vertical section of my improved pipe and the stem thereof, and Fig. 2 a perspective view of a detachable attachment which forms a part thereof and which in practice is connected with the bowl.

In the practice of my invention I provide a pipe which comprises a bowl A, which is provided with a stem B and a detachable mouthpiece C, and the stem B is provided with the usual central longitudinal bore D, which also extends through the mouthpiece. The upper part of the bowl is slightly conical in form, and formed therein, near the top thereof, is an annular groove E, which is semicircular in cross-section, and extending downwardly from said groove in one side of the bowl is a vertical bore F, which communicates therewith and with the bottom of the central chamber G of the bowl, and the bore F is preferably formed in the back of the bowl, and formed in the front wall thereof is another vertical bore H, which extends from the groove E downwardly and communicates with the bore D of the stem, and below the chamber G, in which the tobacco is placed, is a chamber K, with which the bore of the stem and the vertical bore H each communicate, and formed in the bottom of the pipe is a circular opening L, which is closed by a plug M, in which is formed a chamber *m*.

I also employ a conical casing N, which is adapted to be placed on the conical portion of the bowl, as shown in Fig. 2, and which is connected with the bowl by a bayonet-joint, the angular slots which form a part of said bayonet-joint being shown at *n* in Fig. 2, and formed in the inner walls of the conical casing N is an annular groove O, whereby an annular bead P is formed on the outer side thereof, and the annular groove O in the conical casing N corresponds with the annular groove E in the outer wall of the bowl of the pipe, and when said casing is placed in position the two grooves form an annular space which is circular in vertical section.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings and the following statement thereof.

The smoke in the operation of the pipe enters the bore F and passes upwardly into the annular space formed by the grooves E and O, and passing around the bowl of the pipe in both directions it enters the bore H and passes down into the chamber K and through the stem of the pipe.

The chamber *m* in the removable plug M is designed to receive any nicotine or other fluids that may pass through the stem or any dust, dirt, or similar substances that may pass from the bowl in connection with the smoke, and said plug may be removed and the chamber *m* cleaned whenever desired. The passage of the smoke through the bores or passages F E and O and H in a measure cools the same, and this operation also serves to an extent to prevent the overheating of the bowl, and the interior of the bowl or the chamber G may be provided with a metal lining, if desired, in order to prevent the same from burning out.

I also place in the stem B and mouthpiece C of the pipe removable straws R, and the chamber *m* in the removable plug M is adapted to be filled with any suitable absorbing material, as shown, and whenever it is desired to clean the pipe the mouthpiece C is de-

tached, the straws R are removed and clean ones inserted, and the absorbing material in the detachable or removable plug M may also be changed or cleaned whenever desired.

It will also be apparent that with my improved pipe the tobacco will remain dry at all times, and the tobacco in the bottom of the bowl will not be saturated with nicotine and other substances, as usual in this class of devices.

My improved pipe is simple in construction and operation and is also comparatively inexpensive, and my invention is not limited to the exact form and position of the bores or passages F and H and the annular passage formed by the grooves E and O.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A pipe, the bowl of which is provided with an annular passage near the top thereof, around the chamber formed therein, said bowl being also provided with a vertical bore at one side thereof, which communicates with said passage, and with the bottom of the chamber of the bowl, and at the opposite side with another bore which communicates with said passage and with the bore in the stem of the pipe, substantially as shown and described.

2. A pipe, the bowl of which is slightly conical in form, at its upper end, and provided with the usual central chamber, said conical portion being provided with an annular groove, and a detachable casing in which is formed a corresponding groove, whereby an annular passage is formed, and the bowl of the pipe being provided on one side with a vertical bore which communicates with said passage, and with the bottom of the chamber in the bowl, and on the opposite side with another similar bore which communicates with said passage, and with the bore of the stem, substantially as shown and described.

3. A pipe, the bowl of which is slightly conical in form, at its upper end, and provided with the usual central chamber, said conical portion being provided with an annular groove, and a detachable casing in which is formed a corresponding groove, whereby an annular passage is formed, and the bowl of the pipe being provided on one side with a vertical bore which communicates with said passage, and with the bottom of the chamber in the bowl, and on the opposite side with another similar bore which communicates with said passage, and with the bore of the stem, and said bore of the pipe being also provided with a chamber in the bottom thereof, which communicates with the bore of the stem, and with an opening which is closed by a removable plug, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 18th day of September, 1896.

RUDOLPH LUDWIG PAUL HENNE.

Witnesses:

GEO. W. KEEFER,

VOEL STREEK.