

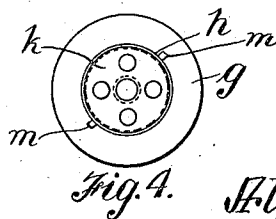
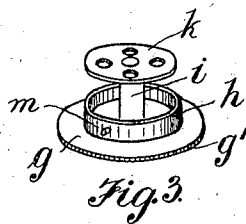
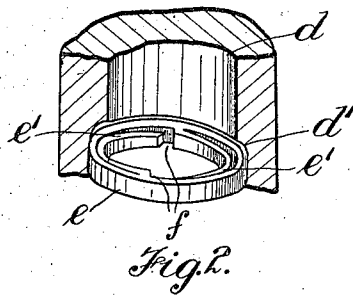
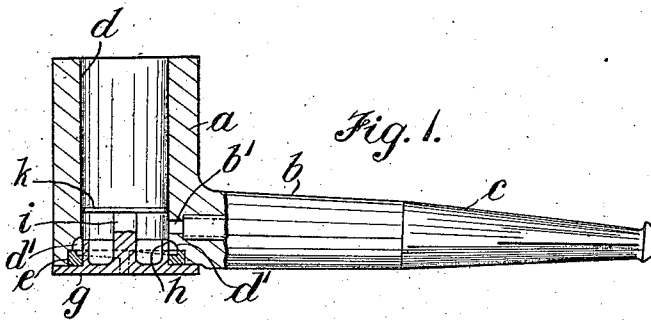
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1,463,684

A. DUNHILL

TOBACCO PIPE

Filed Aug. 25, 1921



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UNITED STATES PATENT OFFICE.

ALFRED DUNHILL, OF LONDON, ENGLAND.

TOBACCO PIPE.

Application filed August 25, 1921. Serial No. 495,250.

To all whom it may concern:

Be it known that I, ALFRED DUNHILL, a subject of the King of Great Britain, residing at London, in the county of London, England, have invented certain new and useful Improvements in or Relating to Tobacco Pipes, of which the following is a specification.

This invention relates to improvements in tobacco pipes and has for its object a simple and efficient construction in which the bowl portion can be easily cleaned, in which the passage of moisture to the bowl and of particles of tobacco or nicotine to the stem or mouthpiece is prevented, and which will be cooler in smoking than with pipes hitherto constructed.

According to the invention, the bowl portion is provided with a central bore extending completely through the same, and a removable base is provided which forms a false bottom to the bowl and as a receptacle for nicotine and small particles of tobacco. The removable base is preferably secured within the lower end of the pipe bowl by means of a bayonet joint, the base having projecting pins therein which engage cam surfaces on the interior of the pipe, which, when said base is partially rotated, ensure a tight fit of the base in the bottom of the bowl.

In order that the invention may be readily understood, reference is made to the accompanying drawings, which show by way of example a pipe constructed according to the invention.

Fig. 1 is a side elevation showing the bowl portion partly in section.

Fig. 2 is a perspective view of the locking ring for securing the removable base in position in the bottom of the bowl.

Fig. 3 is a perspective view and Fig. 4 a plan view of the base removed from the bowl of the pipe.

The bowl *a* of the pipe which may be of any suitable shape is formed in one with the stem *b* to which is secured the usual mouthpiece *c*. The bowl is formed with a central bore *d* extending completely through the same. At the bottom of the bore is fixedly secured a ring *e* provided on its inner periphery with diametrically opposite slots *f*.

The removable base for the bowl, which is shown separately in Figs. 3 and 4 comprises a plate *g* having a knurled, milled

or otherwise roughened periphery *g*¹ and provided with a concentric cylindrical portion *h* which snugly fits into the ring *e* and forms a close fit in the bore of the bowl. Extending upwardly from the bottom of the plate *g* and in the centre of the cylindrical portion *h* is a shank portion *i* at the top of which is fixed or rotatably mounted a slotted or perforated plate or disc *k*. This disc constitutes a false bottom for the base of the bowl and is preferably slightly less in diameter than the bore *d*.

The cylindrical portion *h* of the removable base is provided externally with two projecting pins or projections *m* located at diametrically opposite points so as to engage the slots in the ring *e*.

The bore *d* of the bowl immediately above the ring *e* is cut away at *d*¹ whilst the upper surface of the ring *e* is formed with cam surfaces *e*², *e*³ arranged in such a manner that when the base is inserted into the ring *e* and partly rotated in the appropriate direction, the cam surfaces cause the upper outer surface of the bottom plate *g* to be drawn up tightly into engagement with the under surface of the ring *e* thereby securing the same firmly in position.

The diameter of the inner periphery of the ring *e* is preferably equal to or slightly greater than the diameter of the bore of the bowl so that when the removable base is removed a clear unobstructed passage is obtained which facilitates cleaning of the bowl.

The smoke passage *b*¹ of the stem is located at a point slightly below the perforated plate *k* so that the tobacco is supported above said passage.

By the construction above described the cylindrical portion *h* of the removable base constitutes a chamber or receptacle into which nicotine and small particles of tobacco dust fall from the bowl, thus preventing the passage thereof to the mouth of the smoker. The apertured plate *k* being located above the smoke passage *b*¹ of the stem prevents moisture from the smoker's mouth from passing into the bowl.

The removable base, the ring and the apertured disc *k* are preferably made of aluminium or other suitable light weight material which can be easily cleaned by washing.

The cylindrical portion *h* may be made

of sufficient length to completely close the cut away groove above the ring *e* so as to prevent tobacco becoming lodged therein.

I claim:

- 5 A tobacco pipe comprising a bowl portion having a bore extending completely there-through, a stem joined with said bowl having a smoke passage communicating with said bowl, a ring fixed in the lower end of
10 said bore having slots in the inner periphery of said ring with cam surfaces on the upper edge of said ring, a removable fitting adapted to fit into said ring, said fitting compris-

ing a base plate having an outer cylindrical wall forming a snug fit in said ring, pins on said wall engaging said slots and cam surfaces of the ring, a central shank extending up from the base plate an apertured plate carried on said shank, the apertured plate being located in a plane above the smoke passage in the stem, substantially as described.

In testimony whereof, I have hereunto subscribed my name.

ALFRED DUNHILL.