S. R. DUMMER.
TOBACCO-PIPES.

No. 193,696. Patented July 31, 1877.

Fig. 1

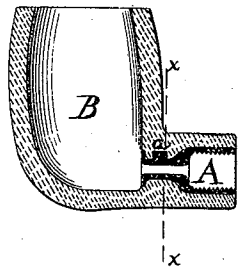
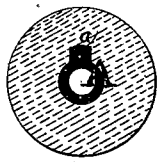


Fig. 2



Witnesses:

Sam. A. Smith
Robert H. Duncan

INVENTOR

Sam. R. Dummer

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

SAMUEL R. DUMMER, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN TOBACCO-PIPES.

Specification forming part of Letters Patent No. **193,696**, dated July 31, 1877; application filed June 27, 1877.

To all whom it may concern:

Be it known that I, SAMUEL R. DUMMER, of Jersey City, county of Hudson, and State of New Jersey, have invented a new and useful Improvement in Tobacco-Pipes, of which the following is a specification:

The invention relates to pipes for smoking tobacco; and consists, first, in a bowl of a tobacco-pipe made wholly of tobacco, or of tobacco mixed with a small quantity of earthy matter to prevent the too ready combustion of the bowl; second, the combination of a screw-threaded socket with the bowl of a pipe.

A desirable object to be attained in a tobacco-pipe is that the flavor of the smoke of the burning tobacco shall not become contaminated by contact with the foreign material of which such pipes are generally made. Many devices have been resorted to and many compounds used to attain this end; but, so far as cheap pipes are concerned, they have not been successful.

The object of the present invention is to produce a cheap smoking-pipe, in which the smoke from the burning tobacco can be delivered to the mouth of the smoker in nearly as pure and uncontaminated a state as the smoke from a cigar.

To this end I take pure tobacco, or, if it is desired to make a pipe that will last a long time without liability of being consumed, a small quantity of magnesia, asbestus, silex, or any of the silicates or their equivalents, mixed with a little adhesive material, as starch, gelatine, or glue, should be added to the tobacco.

The tobacco, being thoroughly dried and pulverized, is intimately mixed with whatever non-combustible matter may be found desirable, and then pressed in properly-constructed molds into such shapes and designs as the fancy of the artisan may desire.

When pure pulverized tobacco is used it should be slightly moistened with some adhesive fluid before being shaped in the molds, and then, by the application of very strong pressure while in the molds, a pipe-bowl can readily be produced, which can be used many times without being consumed.

It is, however, desirable, for the purpose of durability, to mix with the tobacco a small quantity of foreign material, as above set forth.

The second feature of my invention is illustrated in the accompanying drawing, in which—

Figure 1 is a longitudinal section of the bowl of a pipe; and Fig. 2 a cross-section, on an enlarged scale, on the line *x x* of Fig. 1.

In the drawing, A represents the screw-threaded socket, and B the interior of the bowl.

The socket A is made of any metal or material of sufficient hardness to retain the threads and adapted to resist the heat, and may be placed in the molds and secured in position by the pressure around it of the material of which the bowl is formed.

The socket may be provided with one or more wings, extending laterally to prevent it from turning and becoming loosened by repeatedly screwing the stem on and off. This wing is marked *a* in the drawing.

This socket is especially serviceable in pipes made wholly or principally of tobacco, or of other material which is liable to soften when heated, so that it would be impracticable to cut or retain the screw-threads in the material itself.

This construction of a socket of different material from the bowl of the pipe not only affords a convenient means of attaching the stem, but also greatly facilitates the cleaning of both the bowl and stem, as they can be readily detached and cleaned separately.

I prefer to construct the socket to extend entirely through the wall of the bowl, so that a cleaning wire or brush can be thrust into the bowl without any liability of injuring the walls thereof.

What is claimed as a new article of manufacture is—

1. The bowl of a smoking-pipe made wholly of tobacco, or of tobacco mixed with the ingredients above named, or their equivalents, to prevent the too ready combustion of the bowl, substantially as and for the purpose described.

2. The combination of a screw-threaded socket, provided with the wing *a* to hold it in place, and the bowl of a smoking-pipe, the socket being of different material from the bowl, substantially as described.

SAML. R. DUMMER.

Witnesses:
BENJ. A. SMITH,
ROBERT H. DUNCAN.