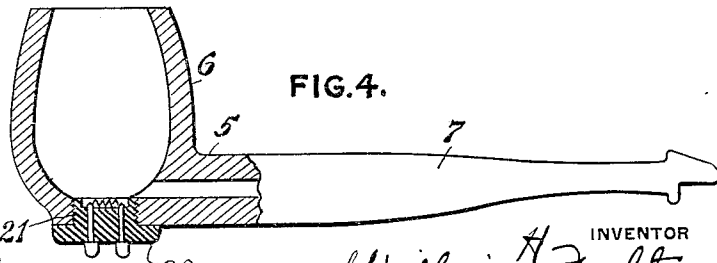
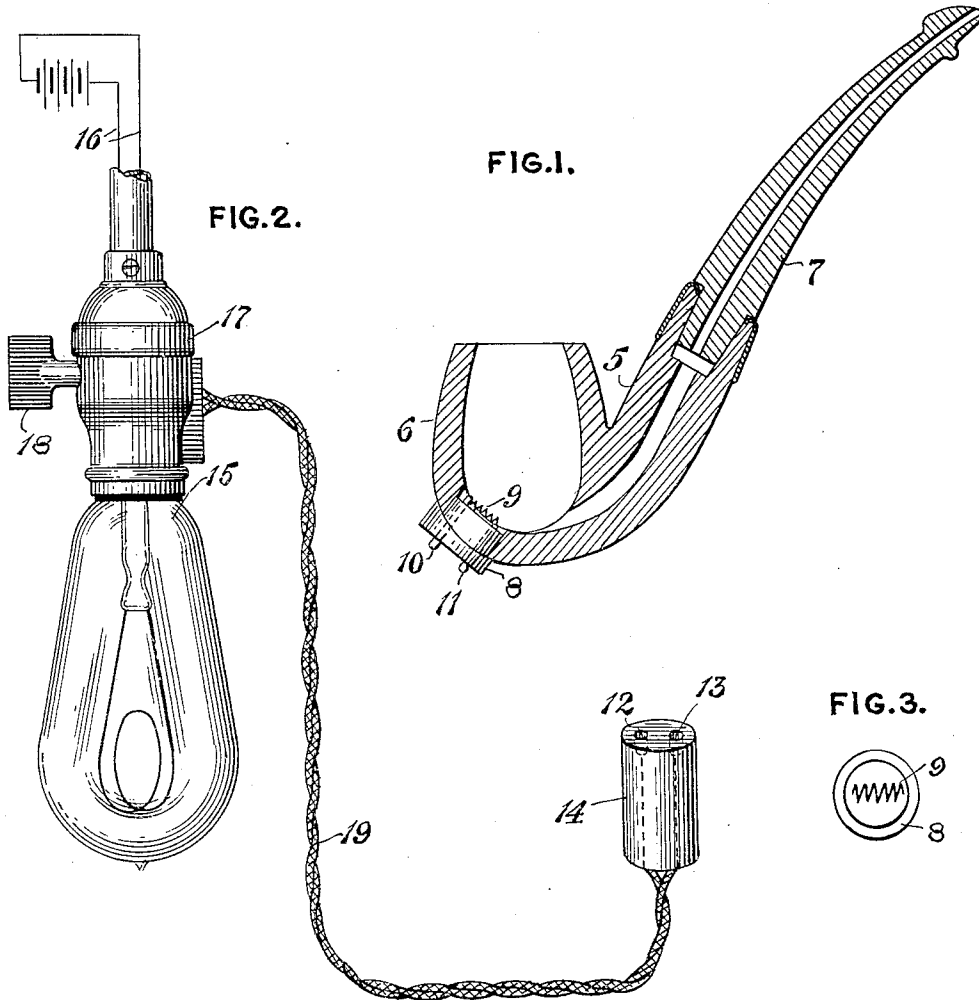


W. H. FULTON.
SMOKING PIPE.
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1,157,771.

Patented Oct. 26, 1915.



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SMOKING-PIPE.

1,157,771.

Specification of Letters Patent.

Patented Oct. 26, 1915.

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To all whom it may concern:

Be it known that I, WILLIAM H. FULTON, a citizen of the United States, and resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Smoking-Pipes, of which the following is a specification.

I have found that smoking pipes for tobacco become foul due to the distillation of the moisture from the tobacco on account of the fact that the air drawn down through the unburnt portion of the tobacco must first pass through the ignited portion thereof. As a result, the heat from the air is, in a measure, absorbed by the tobacco surrounding it, so that the moisture is distilled and deposited in the bottom of the pipe bowl and along the walls of the stem. I have also found that if the tobacco is initially ignited at the bottom of the bowl so that the incoming air passing through the unburnt portion of the tobacco enters it at atmospheric temperature, the distillation if it takes place at all is of such negligible degree that it is not objectionable.

I have provided means for permitting a pipe to be filled with tobacco in the usual manner, and then ignited at the bottom of the bowl or at some convenient point within the bowl, and to insure its being ignited without disturbing the tobacco already contained therein. I have thus provided means whereby the objectionable distillation of the moisture from the tobacco will be avoided, so that instead of an accumulation of distillate within the pipe bowl the walls will remain relatively dry.

In the accompanying drawings, Figure 1 is a vertical longitudinal sectional view of a pipe constructed in accordance with my invention. Fig. 2 is an elevational view of a current supplying means for the tobacco igniter. Fig. 3 is a plan view of a tobacco igniting electric conductor, and Fig. 4 is a view of a pipe partly in section and partly in elevation, constructed in accordance with my invention.

Referring to the drawings, pipe 5 may partake of any well known form having a bowl 6 and a stem 7. Within the bowl 6 of the pipe, and preferably at the bottom, is a removable plug 8 carrying a transverse tobacco-igniting electric filament or conductor 9, the two terminals 10 and 11 of which

may be connected to complementary terminals 12 and 13 on a block 14 in series with a signal or lamp 15 in circuit 16 supplied by current from any suitable source.

The signal 15 is illustrated as consisting of a lamp having the usual switch socket 17, so that when the circuit 16 is closed by turning the switch button 18 the contacts 12 and 13 become "alive", and when they are brought into contact with contacts 10 and 11 the filament 9 will be heated up to a sufficient glow to insure the ignition of the tobacco in the bowl 6. After the contacts 10 and 12, and 11 and 13 are brought together and the tobacco ignited, the block 14 may be released to hang within convenient reach from a chandelier or other support so that it will be available when required. The advantage of placing the block 14 in series with the lamp through the medium of the cord 19 is that when the switch button 18 is turned and the contacts or terminals 10 and 12 and 11 and 13 are connected the lamp filament will become energized so as to indicate when the tobacco-igniting conductor has become energized.

In Fig. 4 I have illustrated a slightly modified form of pipe in which the plug 20 is removably connected to the floor of the bowl by screw threads 21, while in Fig. 1 the plug 8 is shown as frictionally engaging a corresponding opening in the bowl 6.

I claim:

1. A pipe, a tobacco-igniting electric conductor in the bowl of said pipe, and means for energizing said conductor.
2. A pipe, a tobacco-igniting electric conductor in the floor of the bowl of said pipe, and means for energizing said conductor.
3. A pipe, a removable plug in the bowl of said pipe, a tobacco-igniting electric conductor carried by the plug, and means for energizing said conductor.
4. A pipe, a removable plug in the bottom of the bowl of said pipe, a tobacco-igniting electric conductor carried by the plug, and means for energizing said conductor.
5. A pipe, an electric tobacco-igniting filament in said pipe, a circuit, current translating means in said circuit, a circuit closer, and means in series with the current translating means for supplying current to the electric tobacco igniter.
6. A pipe, an electric tobacco-igniting filament in said pipe, a circuit, a signal in

said circuit, a circuit closer, and means in series with the signal for supplying current to the igniting filament in said pipe.

7. The combination of a pipe, an electric tobacco-igniting conductor in said pipe, contacts for said conductor, and independently suspended energized contacts to contact with the first named contacts.

8. A pipe and a tobacco-igniting electric conductor in the bowl of said pipe. 10

In testimony whereof, I affix my signature in presence of two witnesses.

WILLIAM H. FULTON.

Witnesses:

B. F. FUNK,

GEO. J. TAYLOR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."