

Feb. 16, 1932.

B. P. GRUNAUER

1,845,264

SMOKING DEVICE

Filed March 17, 1930

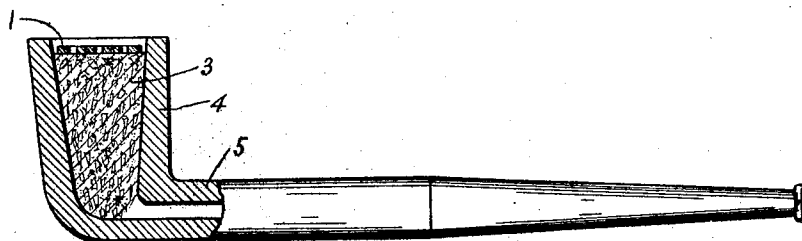


Fig. 1



Fig. 2



Fig. 3

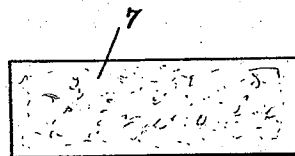


Fig. 4

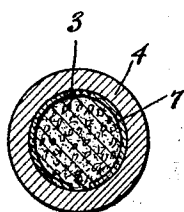


Fig. 5

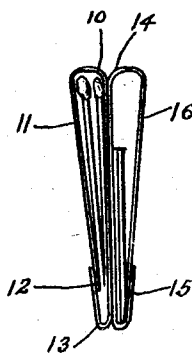


Fig. 6

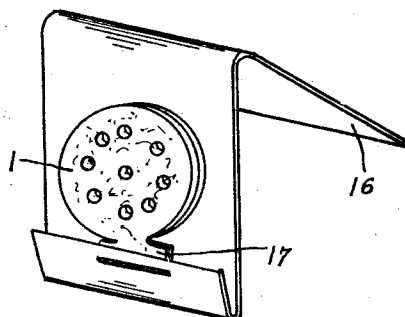


Fig. 7



Fig. 8

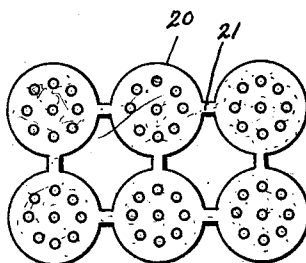


Fig. 9

INVENTOR.

Bernhard P. Grunauer

BY

Ray Oberlin & Ray
ATTORNEYS.

UNITED STATES PATENT OFFICE

BERNHARD P. GRUNAUER, OF CLEVELAND, OHIO

SMOKING DEVICE

Application filed March 17, 1930. Serial No. 436,424.

The present invention relating as indicated to a smoking device, is more particularly directed to new and improved means for aiding pipe smoking by facilitating the steady burning of the tobacco and by reducing the necessity for relighting, which is one of the objections to pipe smoking unless the pipe is constantly drawn upon. A further object of the invention is the provision of a simple and convenient article for the purpose stated which may be readily positioned in the pipe when filled. A still further object is the provision of a simple holder or magazine for such articles. To the accomplishment of the foregoing and related ends, said invention, then, consists of the means hereinafter fully described and particularly pointed out in the claims.

The annexed drawings and the following description set forth in detail certain mechanism embodying the invention, such disclosed means constituting, however, but one of the various mechanical forms in which the principle of the invention may be used.

In said annexed drawings:—

Fig. 1 is a longitudinal section through a pipe showing the same filled with tobacco and provided with one of my improved combustible elements for facilitating the smoking; Fig. 2 is a side elevation showing one form of combustible element; Fig. 3 is a similar view showing another form; Fig. 4 is a similar view showing still another form of the device; Fig. 5 is a transverse section through a pipe bowl showing the device of Fig. 4 in position in the pipe; Fig. 6 is a side elevation of an improved package for holding both matches and my improved device in a convenient and usable form; Fig. 7 is a front elevation of the device of Fig. 6 with the cover open showing the position therein of the combustible discs or wafers hereinafter to be described; and Figs. 8 and 9 are side elevations of other modified forms of my improved article.

In pipe smoking it is commonly difficult to keep the pipe mixture alight and burning unless the pipe is drawn upon at regular intervals and it is a common experience of all

smokers to have the pipe go out and require relighting not once, but a number of times during the smoking of a single pipe full. My improved device is intended to facilitate an even steady burning of a pipe full of tobacco, thus reducing the necessity for frequently relighting the pipe while in no way affecting the enjoyment or the usual operation of smoking. My improved means consist, briefly stated, in a combustible article formed of such material as refuse tobacco, that is, the stems of leaf tobacco which are now commonly thrown away, and similar waste products in tobacco factories mixed with easily ignitable and slow burning material such as punk, charcoal, sawdust, pulverized shavings, bread crumbs, ground paper, corn flakes and many other similar materials which burn easily, but will not affect to any appreciable extent the taste, flavor or aroma of the smoking tobacco itself. The tobacco and the free burning material mixed therewith may be held together by some adhesive material such as mucilage, honey, wax or any similar substance which has adhesive characteristics and which will not affect the flavor or taste of the smoking tobacco itself, or certain of the materials may be simply compressed when moist and so held together with a sufficient bond for the purposes required.

For convenient use the mixture of tobacco, other combustible material and adhesive may be formed into articles of various shapes such as are shown in Figs. 2, 3 and 4 of the drawings. Thus in Fig. 2, I have shown a disc 1 of the mixture described which may or may not be provided with openings 2 therethrough. If the device is used in the form of a disc, it may be laid on top of tobacco 3 which is first pressed into the bowl 4 of the pipe 5 and so positioned will be exposed to the air and will continuously burn, affording in the pipe mixture a burning material which, when the pipe is drawn upon, will immediately communicate combustion to the tobacco below if the latter has gone out or is not burning uniformly and freely.

The device is shown in another form in

Fig. 3 in which a stick 6 is prepared of the mixture, this stick, or several of them, then being introduced with the tobacco into the pipe bowl. Still another form of the device consists of a flat strip 7 which is shown in Fig. 4 and this strip may be wrapped around the narrow wall of the pipe bowl 4 before the tobacco is filled in, presenting the appearance shown in Fig. 5, in which the tobacco 3 is spaced from the bowl of the pipe by the combustible strip 7.

I have also devised a convenient and simple holder for my combustible device consisting of a little booklet or pad similar to that now used for the carrying of paper matches which is shown in Figs. 6 and 7. In Fig. 6 is shown the so-called match book 10 provided with a cover 11 ordinarily caught behind the flap 12 and to the back of this standard match pad is secured a similar booklet or cover 14 provided with a rebent flap 15 at one end, and a cover 16 which normally extends down and is received behind the flap 15. Inside of the booklet or pad I mount a number of the combustible articles, which, whether in the form of discs, rectangles or sticks, can be lightly adhesively secured either together or to the inner walls of the holder 14, permitting the articles to be torn off or pulled loose one at a time for use in the manner already described. In Fig. 7 I have shown the pad 14 with the cover 16 open, and with discs 1 in place therein, the discs having their lower edges 17 disposed between the flap 15 and the rear wall of the pad and lightly secured thereto, either by being wire stitched in position, or stuck in such position by mucilage or similar adhesive. The method of securing the combustible articles if in the form of sticks will, of course, be the same as that of securing the paper matches in such holders.

In Fig. 8 I have shown a modification consisting of a tapered stick 22 having one narrow end or point 23 which will facilitate the introduction of this article into the packed tobacco in the bowl of the pipe and will also permit the article to be conveniently assembled in the match-like packages already described. In Fig. 9 I have shown a series of relatively small discs or wafers 20 connected by narrow neck-like portions 21 permitting the convenient detachment of the disc 20 when desired.

My improved device offers an extremely simple and convenient combination match pad and pad for holding the combustible articles for filling into the pipe to assist the combustion. Obviously, the combustible articles may be packaged either alone or with the matches as shown, or carried in other receptacles, such as packages or jars of tobacco, but the combination package is an extremely simple and convenient one. When so combined, I contemplate so proportioning

the number of combustible articles and the number of matches in the combined pad that they will approximately last for the same number of pipe lightings.

Other forms may be employed embodying the features of my invention instead of the one here explained, change being made in the form of construction, provided the elements stated by any of the following claims or the equivalent of such stated elements be employed.

I therefore particularly point out and distinctly claim as my invention:—

1. A device of the character described comprising a disc consisting of a mixture of tobacco, free burning material and a combustible adhesive loosely compressed together, and provided with an opening therethrough.

2. A device of the character described comprising a disc containing a mixture of tobacco, free burning material and a combustible adhesive binder, and provided with a plurality of openings therethrough.

Signed by me this 7th day of March, 1930.
BERNHARD P. GRUNAUER.