

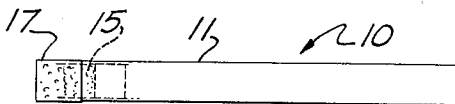
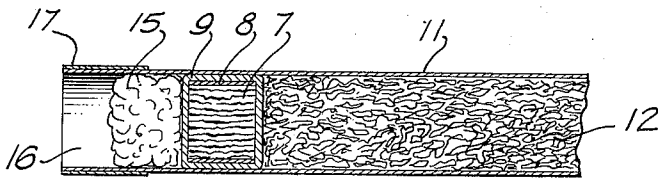
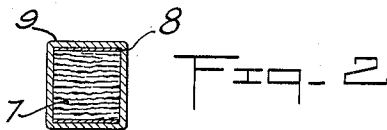
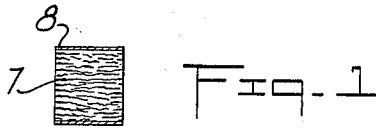
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CIGARETTE AND FILTER THEREFOR

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CIGARETTE AND FILTER THEREFOR

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1 Claim. (Cl. 131-10)

This invention relates to cigarettes and filters therefor. An object of the invention is to provide a filter of improved efficacy, which may either be an integral part of a cigarette or may be used in a cigarette holder.

Another object of the invention is to provide a filter which, by reason of its greater efficiency, may be made smaller than present filters.

A further object is to provide a cigarette filter in which moisture is effectively sealed therein, the seal being such that it may be readily broken just before lighting the cigarette, whereby the moisture may perform its function.

Other features and advantages will be appreciated on reading the following disclosure and when using the novel filter.

My present invention provides a filter comprising any usual or preferred filtering material, the same to be moistened or wetted with a liquid, which may be water, means being provided for sealing in the liquid so that it cannot evaporate or escape in the interval between manufacture and use.

The drawings illustrate one embodiment of the invention, as required by law, but it is to be understood that the invention is not confined thereto.

In the drawings:

Figure 1 is an enlarged central section of the filter, before sealing to contain moisture;

Fig. 2 is a view similar to Fig. 1, after the filtering material has been wetted and sealed in;

Fig. 3 is an enlarged central longitudinal section of a cigarette embodying my invention, the view being broken at the right end; and

Fig. 4 is a plan view of a cigarette embodying the invention, drawn to the size of a cigarette.

Referring to the drawings for a detailed description thereof, the numeral 7 indicates a cylindrical body of filtering material which has been wetted, preferably to saturation, with water or other suitable liquid or solution. The cylindrical surface of the filtering body is shown in Fig. 1 as enclosed within a wrapper 8 of any suitable material, which may be waxed paper. As shown in Fig. 2, the filter of Fig. 1 is coated with, or encased in, a thin layer or film 9 of moisture-proof material, which may be accomplished in any suitable manner, as by dipping into a liquid, heated, as for example paraffine wax, or a mixture of the latter with beeswax. Other suitable materials may be used as such coating, e. g., various other waxes or glues, or a varnish, or other solutions of gums or resins which dry to a solid moisture-proof film. The coating is thin enough so that it may be readily

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broken at the ends of the filter when the smoker squeezes it, just before lighting the cigarette, which may be readily done, as the filter is only about one-quarter of an inch long, so that pressure of the thumb and forefinger will at once break both the front and rear ends of the sealing film. The film or coating is only about 0.020 of an inch in thickness and is therefore brittle or fragile.

The filter of Fig. 2 is shown in Figs. 3 and 4 as used in a cigarette 10. The latter has the usual paper wrapper 11 enclosing the body 12 of tobacco, back of which is the moisture-bearing filter above described. Immediately back of the moisture-containing filter, an auxiliary dry filter 15 of cotton or any other suitable material may be provided, if desired. The dry filter functions to hold any fragments of the broken film at the mouth end of the wet filter and as additional protection to the smoker in eliminating undesirable substances existing in the smoke of the cigarette. Figs. 3 and 4 also show an unfilled space 16 at the mouth end, adjacent the dry filter, so that no part of the latter enters the mouth. A cork tip 17 is also provided at the mouth end.

When the cigarette is smoked, the moisture of the wet filter cools the smoke and also holds the nicotine and other noxious substances in solution within the filter, whereby a more efficient filter is provided.

The wet filter shown and described may also be used in a cigarette holder, not being confined to its illustrated use as an integral part of a cigarette. And other modifications and uses may be resorted to without departing from the spirit of the invention, such as adding any or various known substances to either or both of the filters mentioned; such substance may for example be chlorophyll, which eliminates "tobacco breath."

What is claimed is:

A cigarette comprising a cylindrical body of tobacco, a cylindrical filter unit adjacent one end of the tobacco and in alignment therewith and substantially of the same diameter as the body of tobacco, a wrapping sheet around the tobacco and the filter unit, said filter unit comprising a fibrous body, water absorbed by the latter body, a waterproof cylindrical wrapping sheet having open ends, around the periphery of the water-holding fibrous body, and a thin, frangible waterproof coating covering the ends of the filter, and adapted to be broken by pressure of thumb and finger of the user just before lighting the cigarette.

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