

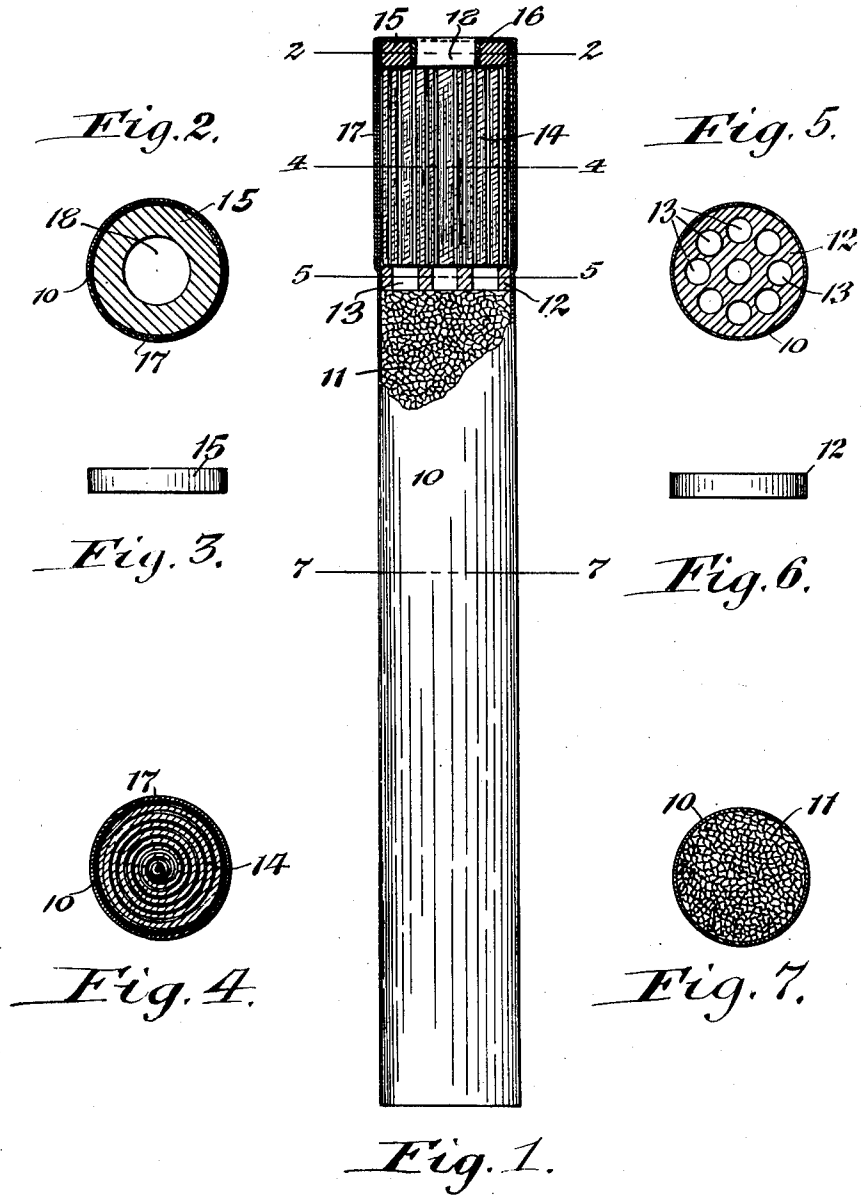
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CIGARETTE

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UNITED STATES PATENT OFFICE.

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CIGARETTE.

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This invention relates to a cigarette and its object is to provide such an article which is so constructed that the same reduces fire hazard to a minimum, eliminates the maximum amount of nicotine and avoids many of the obnoxious after effects which follow the smoking of cigarettes as heretofore commonly manufactured.

In the accompanying drawings:

Figure 1, is a cigarette partly in side elevation and partly in section embodying our invention.

Figure 2, is a cross section on the correspondingly numbered line on Figure 1.

Figure 3, is an edge view of the end disk arranged on the rear end of the tubular container of the cigarette.

Figures 4 and 5, are cross sections on the correspondingly numbered lines on Figure 1.

Figure 6, is an edge view of the perforated intermediate disk of the cigarette.

Figure 7, is a cross-section on line 7-7, Figure 1.

Similar characters of reference indicate like parts throughout the several views of the drawings.

The numeral 10 represents the tubular container jacket or shell of the cigarette which may be constructed of any suitable combustible material, such as paper in the usual manner.

Within the front part of this container is arranged a filling 11 of smoking material such as tobacco in any suitable form which is adapted to be lighted at its front end and consumed by drawing air rearwardly through same in the ordinary way. This filling terminates short of the rear end of the container so as to form a chamber in the rear part of the same which is adapted to receive the elements constituting our invention.

At its rear end the filling of smoking material is engaged by an intermediate disk or partition 12 which is preferably constructed of non-combustible material, such as asbestos and which is of circular form so as to fit the bore of the tubular container and is also provided with a plurality of perforations 13 to permit the passage of smoke therethrough. In rear of this intermediate disk a filter roll 14 is arranged within the container, which

roll is made from a sheet of absorbent material such as paper, gauze cloth or the like, this roll being wound to a diameter equal to the bore of the container and arranged therein with its axis parallel thereto and the front end of the roll engaging the rear side of said intermediate disk. In addition to serving as a filter this roll may be medicated or flavored with any desired material to suit the taste or demand of the smoker or consumer.

Arranged within the rear extremity or tip of the container is a rear disk or stopper 15 having a central hole 18 and which is preferably constructed of paper saturated with paraffine, this disk engaging its inner or front side with the rear end of said roll and the outer or rear side of this disk being flush, or substantially so, with the rear end of the tubular container. This disk forms a stiff core which permits the teeth to obtain a good hold on the cigarette.

After the several parts have been assembled in the manner above described the same are sealed together so that the same will not become dismembered by dipping the rear end or tip of the cigarette in melted paraffine and thereby form a coat 16 on the outer side of the rear disk and cement the same in the container and also a coating 17 on the rear peripheral surface of the container so that the lips of the smoker will not stick to the cigarette while holding the latter in the mouth and also coating the hole or bore 18 of the disk 15, so as to strengthen the same. The peripheral coating preferably extends forwardly an extent equal to the length of the filtering roll, thereby rendering this part of the container transparent and enabling the smoker to observe the amount of discoloration which occurs in the filter due to the absorption of nicotine therein when smoking the cigarette.

This invention may be embodied in cigarettes when the same are originally manufactured or the invention may be added to the cigarettes after they are fully made up by removing a sufficient quantity of tobacco from the rear end of the container to form a chamber in which to put the several elements of our construction.

A cigarette thus constructed will be auto-

5 matically extinguished when the tobacco has
burned up to the asbestos intermediate disk
and also by reason of the peripheral coating
of paraffine which will not be vaporized and
rendered combustible by the low heat of the
burning tobacco, thereby reducing to a mini-
mum the possibility of causing fire by care-
less disposal of the cigarette before the same
has been entirely consumed.

10 Moreover a cigarette of this character per-
mits of full enjoyment of smoking tobacco
or the like without any appreciable amount
of nicotine reaching the smoker inasmuch as
practically all of the nicotine is absorbed by
15 the filtering roll. By thus removing the
nicotine, discoloration of the teeth and fin-
gers is prevented.

20 Furthermore this roll may be treated or
flavored by any desired medicament or es-
sence and thus serving to relieve some par-
ticular ailment as well as rendering smoking
enjoyable and harmless and avoiding any of

the obnoxious taste incident to smoking to-
bacco in the usual manner.

We claim as our invention:

25 A cigarette comprising a tubular con-
tainer, a filling of smoking material ar-
ranged in the front part of said container,
a perforated disk of non-combustible mate-
rial arranged in the container at the rear 30
end of said filling, a roll of filtering mate-
rial arranged in the container in rear of said
non-combustible disk, and forming a plu-
rality of minute longitudinal passages in 35
the roll, a paraffine saturated and perforated
disk arranged in the container at the rear
end of said roll, and a coating of paraffine on
the rear side and the bore of said paraffine
saturated and perforated disk and around 40
the rear part of the periphery of said con-
tainer thereby cementing together the sev-
eral members of the cigarette.

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