

PATENT SPECIFICATION

1,101,370

DRAWINGS ATTACHED.

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COMPLETE SPECIFICATION.

Improvements in Cigarettes.

We, THE IMPERIAL TOBACCO COMPANY (OF GREAT BRITAIN AND IRELAND), LIMITED, a British Company, of East Street, Bedminster, Bristol, 3, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:

This invention concerns cigarettes of the kind comprising a tobacco portion encased in paper, and a stub, joined together in abutting relation by a band that encircles at least a portion of both the tobacco portion and stub, and is adhesively secured thereto to provide a composite cigarette, and wherein the stub comprises a plurality of separate sections arranged in abutting relation, and wherein air may be drawn into the smoke stream on smoking the cigarette. The separate sections may be secured in abutting relation within a paper or like sleeve.

The invention also concerns cigars or cigarillos manufactured in a similar manner.

The abutting stub portions may be constituted by any of the well known materials, e.g. crimped paper, cellulose acetate, tobacco, a hollow mouthpiece or activated charcoal.

Such a cigarette is described in the specification of our Patent No. 1,039,554 and is hereinafter referred to as a cigarette of the kind described.

It is an object of the present invention to provide an improvement in or modification of a cigarette of the kind described.

The present invention consists in a cigarette of the kind described wherein the encircling band is rendered more permeable at an area or areas on or a continuous area along the line corresponding to a butt joint between two abutting sections of the stub, whereby air may be drawn through said line

into the smoke stream, the volume of said air being controlled by the extent of the periphery of said butt joint that is disposed within said area or areas.

The stub sections may be secured in abutting relation within a paper or like sleeve, in which case the band may be a single web perforated at said area or areas, and the paper or like sleeve may be more permeable than said band.

In an alternative the stub sections may not be held in a separate sleeve but be maintained in abutment by said band only.

The band may be reduced in thickness at the area or areas to render it more permeable.

Alternatively the band may comprise a web of substantially impermeable material laminated to a web of more permeable material, and the former may itself be rendered more permeable at said area or areas.

In the case of a laminated band the web of substantially impermeable material may be perforated at said area or areas.

It is to be understood that in the present specification the word area has been used to indicate that said area or areas are not mere pin-holes, and the expression "rendered more permeable" means that the line of abutment is not exposed.

Referring to Fig. 1,— A short cigarette 1 is abutted against a stub that comprises two sections 2, 3, abutted together at 4, and the three components are held in abutting relation and joined together by an encircling band 5.

The band 5 comprises a web 6 of substantially impermeable material, for example the well known imitation cork tipping material, laminated to a web 7 of more permeable material. Before laminating the webs 6, 7 together, the web 6 is provided with perfor-

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ated areas as at 8, on a line corresponding to the butt joint 4, so that when the band has been secured to the assembly of stub sections and cigarette, air may be drawn through said line into the smoke stream, the volume of the air being controlled by the extent of the periphery of the butt joint 4 disposed within the areas 8. It should be understood that adhesive for securing the band to the three components is not applied to the web 7 where it is located behind the areas 8. For illustrative purposes the two webs of the band 5 are shown separated at one end but they are in fact laminated together before applying them to an assembly.

Fig. 2 illustrates a band 5 comprising a single web perforated at 8. This is used to join a two-section stub 2, 3 to a short cigarette 1. In this case however the two stub sections are first joined in abutting relation within a sleeve 9 of material that is more permeable than the band 5.

Modifications of the invention not illustrated will be apparent. For example instead of using a laminated band in Fig. 1, a single band may be used said band being thinned at 8 to render it more permeable. A laminated band similar to that illustrated in Fig. 1 may be used with the stubs sections as illustrated in Fig. 2. In that case the webs 7 and 9 combine to provide greater permeability at the areas.

It is to be understood that the present invention relates to stubs comprising any number of sections and that the permeable area or areas may be located at a line of abutment between any two abutting stub portions, furthermore the area or areas may be arranged at more than one such line.

Except that Patent No. 1,039,554 describes a cigarette in which air is admitted to the smoke stream at the butt joint between the tobacco portion of a cigarette and the stub, the other features of said patent apply to the present invention and reference should be made thereto to assist the interpretation of the claims of the present invention.

Reference is directed to the claims of Specification No. 989,479.

WHAT WE CLAIM IS:—

1. A cigarette of the kind described wherein the encircling band is rendered more permeable at an area or areas on or a continuous area along the line corresponding to a butt joint between two abutting sections of the stub, whereby air may be drawn through said line into the smoke stream, the volume of said air being controlled by the extent of the periphery of said butt joint that is disposed within said area or areas.
2. A cigarette as claimed in claim 1 in which the stub sections are secured in abutting relation within a paper or like sleeve.
3. A cigarette as claimed in claim 2 in which the band is a single web perforated at said area or areas.
4. A cigarette as claimed in claim 2 or claim 3 in which the said paper or like sleeve is more permeable than said band.
5. A cigarette as claimed in claim 1 in which the stub sections are not held in a separate sleeve but are maintained in abutment by said band only.
6. A cigarette as claimed in claim 1, or claim 2, or claim 5, in which the said band is reduced in thickness at said area or areas.
7. A cigarette as claimed in claim 1 or claim 2 or claim 5, in which the band comprises a web of substantially impermeable material laminated to a web of more permeable material, and the former is itself rendered more permeable at said area or areas.
8. A cigarette as claimed in claim 7 wherein the web of substantially impermeable material is perforated at said area or areas.
9. The improved cigarettes constructed as hereinbefore described with reference to the accompanying drawings.

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3. A cigarette as claimed in claim 2 in which the band is a single web perforated at said area or areas.
4. A cigarette as claimed in claim 2 or claim 3 in which the said paper or like sleeve is more permeable than said band.
5. A cigarette as claimed in claim 1 in which the stub sections are not held in a separate sleeve but are maintained in abutment by said band only.
6. A cigarette as claimed in claim 1, or claim 2, or claim 5, in which the said band is reduced in thickness at said area or areas.
7. A cigarette as claimed in claim 1 or claim 2 or claim 5, in which the band comprises a web of substantially impermeable material laminated to a web of more permeable material, and the former is itself rendered more permeable at said area or areas.
8. A cigarette as claimed in claim 7 wherein the web of substantially impermeable material is perforated at said area or areas.
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