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SELF-LIGHTING CIGARETTE

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5 Claims. (Cl. 52—25)

The subject matter of the present invention consists in improvements in and relating to self-lighting cigarettes or cigars which are provided with an igniting tip which is applied to the end of the cigarette or cigar and which has a composition such that it ensures ignition of the cigarette and that the combustion of the tip has no deleterious effect on the flavor or aroma of the tobacco smoke. The binder and adhesive of the tip material is, in that case, gum acacia.

Now although, generally speaking, the cigarette above described is satisfactory, the igniting tip sometimes becomes detached from the cap owing to imperfect adhesion. It has now been found that the adhesion can be greatly improved by incorporating a certain quantity of starch in the igniting composition, which is applied to the cap as a paste that is made with water or some other suitable liquid. The addition of the starch also has the effect of considerably reducing the sparking which occurs on igniting the tip.

In an example of the present invention, the igniting composition which can be applied to both sides of the cap has substantially the following compositions:

	Parts by weight
Chlorate of potash ($KClO_3$)	11½
Gum acacia	2
Starch	2
Manganese dioxide (MnO_2)	1½
Silica (SiO_2)	1½
Carbon (C)	7

It has also been found that the surface on which the ignition tip of the cigarette is struck or rubbed has a longer useful life—i. e., can ignite a larger number of cigarettes—if given substantially the following composition:

	Parts by weight
Red phosphorus (F)	5
Antimonium nigrum or black antimony trisulphide (Sb_2S_3)	1½
Gum acacia	1
Carbon (C)	1

The above ingredients are suitably pulverized and applied as a thin paste that is made with water or some other suitable liquid.

It is to be understood that, in the case of each of the compositions herein specified, the proportions may be varied and chemical equivalents substituted for any of the ingredients.

What I claim is:

1. An igniting composition for cigarettes or cigars having substantially the following composition:

	Parts by weight
Chlorate of potash ($KClO_3$)	11½
Gum acacia	2
Starch	2
Manganese dioxide (MnO_2)	1½
Silica (SiO_2)	1½
Carbon (C)	7

2. A composition of matter for use as an igniting substance consisting substantially of the following constituents in the proportions by weight, as follows:

	Parts by weight
Chlorate of potash ($KClO_3$)	11½
Gum acacia	2
Starch	2
Manganese dioxide (MnO_2)	1½
Silica (SiO_2)	1½
Carbon (C)	7

3. A composition of matter for use as an igniting substance consisting of the following ingredients:

	Parts by weight
Chlorate of potash ($KClO_3$)	11½
Gum acacia	2
Starch	2
Manganese dioxide (MnO_2)	1½
Silica (SiO_2)	1½
Carbon (C)	7

4. An igniting tip for cigarettes or cigars including a cap to be applied to the end of the cigarette or cigar and on said cap an igniting composition consisting of the following constituents in the proportions, by weight, as follows:

	Parts by weight
Chlorate of potash ($KClO_3$)	11½
Starch	2
Manganese dioxide (MnO_2)	1½
Silica (SiO_2)	1½
Carbon (C)	7

and gum acacia.

5. A self-lighting cigarette or cigar having an igniting tip including a cap on the end of the cigarette or cigar and on said cap an igniting composition consisting of the following constituents in the proportions, by weight as follows:

	Parts by weight
Chlorate of potash ($KClO_3$)	11½
Starch	2
Manganese dioxide (MnO_2)	1½
Silica (SiO_2)	1½
Carbon (C)	7

and gum acacia.

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