

# ALIEN PROPERTY CUSTODIAN

## TOBACCO PRODUCTS AND PROCESS OF MAKING SAME

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My invention relates to improvements in tobacco products including tobacco proper, the plants from which tobacco is recovered, the products into which raw tobacco is converted and the accessory materials such as sauces, cigarette paper, cigar and cigarette holders, tobacco pipes, filters, cartridges, wrapping materials and tobacco containers.

It is an object of my invention to combine the tobacco either in the plant or during or after manufacture of the raw tobacco or of a commercial tobacco product (including tobacco leaves, cigars, cigarette tobacco, chewing tobacco and snuff) with chemicals, drugs, herbs or preparations containing same or with medicaments or pharmaceutical preparations which exert a curative, biological, immunizing, disinfecting, bactericidal or homeopathic action on the human body, or which otherwise favorably influence organs of the person consuming the tobacco product by smoking, chewing, snuffing or in some other way as also persons not participating in, but present during or after the consumption of such products.

It is a further object of my invention to provide tobacco products and their accessories, which exert prophylactic, curative, pain expelling, sedative, soporific, nourishing, invigorating, regenerating, regulating or cosmetic effects on parts of the human body.

Similarly as the tobacco proper I intend to so improve the sauces or other liquors with which tobacco is treated to improve and finish it; the filters, crystals, cartridges etc. forming part of cigarettes, smoking pipes, cigar and cigarette holders; the cigarette paper or other tobacco envelope; the wrappings and the containers in which tobacco or tobacco products are sold and stored.

My invention includes the manner of so improving these and other products as well as the improved products themselves.

In order to combine tobacco and its accessories with drugs and other means for favorably influencing the human body, I may proceed in different ways.

I may for instance make corresponding additions to the tobacco and tobacco products in the form of a powder or a suspension, solution or emulsion, or in combination with other substances or in the form of vapors which may constitute the active substances themselves or may be carriers of such substances. I may add such suspensions, solutions, emulsions, vapors, powders etc. by impregnation, vaporization, by atom-

ization, spraying, dusting or in some other manner. Alternatively I may expose the tobacco bearing plants to the action of corresponding substances by fertilization of the soil, in which the plants grow.

I may for instance treat raw tobacco or a tobacco product with a solution, vapor or other form of substance, drug or compound having a curative, disinfecting or other favorable influence on the human body by impregnating such product with a solution of such a substance or by adding such substances to the sauce with which the tobacco or tobacco product is treated in the casing or flavouring step. In all cases I thus obtain a tobacco product, the consumption of which by smoking, chewing or snuffing exerts a curative, prophylactic, soothing, calming, lulling, nourishing, invigorating, digestion-regulating, cosmetic or other beneficial effect on the human body.

I may effect such treatment of the tobacco or tobacco product before, during or after conversion of the raw tobacco into an intermediate or a marketable final product.

I may introduce the substance into the tobacco product, for instance a cigarette, before or while the tobacco is filled into the paper or other envelope.

I may impregnate cigarette paper or the pulp, from which the paper is made, with a solution containing the active substance.

I may impregnate with such a substance or solution the wad or other filter inserted in a cigarette or the filter cartridge in a smoking pipe or cigar or cigarette holder.

I may so impregnate the cigar or cigarette holder or the substance of the pipe or of a cigarette case.

I may inject the substance or a suspension or solution thereof into the cigar, cigarette or cut tobacco by means of a syringe.

I may introduce the substance into the human body by making the pipe or cigar or cigarette holder or their mouth-pieces of a wood, bark or other natural or artificial material producing medicinal or disinfecting effects, such as for instance cinchona bark.

I may treat with such an active substance the pulp forming the material from which cigarette paper is made, or I may make cigarette paper from fibers possessing an activity as above described.

I may grow tobacco containing such an active substance by depositing such substance in the soil in which the tobacco plants grow.

I may impregnate with such active substance

the air in which tobacco is stored, fermented or dried, relying to this end also on the hygroscopicity of the tobacco.

During consumption of the tobacco thus treated or of tobacco stored in envelopes or containers or consumed in pipes etc. containing such substance, this latter will enter the organism of the consumer or of another person present in the same room through the respiratory or the digestive organs, the saliva etc. and will then exert its beneficial effect on the organism.

By way of example iodine may be so administered to the body by means of tobacco products containing iodine or an iodine compound developing iodine during consumption. To this effect the tobacco may for instance be treated with an alcoholic iodine solution containing for instance 0.1 per cent iodine, calculated on the weight of the tobacco treated. I found that the greater part of the iodine was volatilized and carried along by the gases of combustion developed from the tobacco, an analysis of these gases and vapors resulting in 0.02 per cent iodine, calculated on the tobacco, about one-third of which appeared in the products of metabolism of the smoker. It is known that the mucous membranes and the saliva and respiratory organs will absorb curative agents.

Similar tests were made and similar results obtained with a great number of other medica-

ments or the like, including bromobenzoic acid, bromoacetic acid, bromostyrene, iodobromide, valeric acid and calciumbromide (sedatives); sulfonal, chloral, amylenhydrate and urethane (soporifics), cresol, terpene, gnajacol (disinfectants and cough remedies); formalin, benzoic acid and cinnamic acid (disinfectants and antiseptics); eugenol, camphoric acid anhydrid, cubebe extract (urine disinfectants); sandal wood (urine antiseptic); sassafras (remedy against bronchial affections); cholesterine (general tonics); garlic extract, clove oil, aniseed oil, onion oil, allyl mustard oil (stomachics); santonine (anthelmintic); crotonic acid and hydrogen sulfide (laxatives); urea chloride (diuretic); antipyrine (antirheumatic); sparteine (heart remedy); turmeric (remedy against liver complaints).

All the substances mentioned above evaporate at the temperature of burning tobacco; the majority of them is soluble in water, others in alcohol and only very few of them undergo partial decomposition.

Various changes may be made in the details disclosed in the foregoing specification without departing from the invention or sacrificing the advantages thereof.

The term "tobacco product" as used in the claims is intended to include, besides tobacco, all products consisting of or containing tobacco.

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