

UNITED STATES PATENT OFFICE.

GEORGE S. YINGLING, OF TIFFIN, OHIO.

COMPOUND.

SPECIFICATION forming part of Letters Patent No. 770,883, dated September 27, 1904.

Application filed May 3, 1904. Serial No. 206,241. (No specimens.)

To all whom it may concern:

Be it known that I, GEORGE S. YINGLING, a citizen of the United States, residing at Tiffin, in the county of Seneca and State of Ohio, have invented new and useful Improvements in Compounds, of which the following is a specification.

This invention relates to a compound for treating tobacco in bulk as it comes from the dry-house or at any time during the course of its preparation for use in the manufacture of cigars and for smoking in other forms and for chewing.

It is a well-known fact that tobacco wherever grown contains a gum-resinoid called "nicotin," the bitter nauseous alkaloid principle of the plant, injurious to health and disagreeable to the taste of the user.

The object of my invention, therefore, is to neutralize the alkaloid, thus destroying its injurious properties and unpleasant taste, and to improve the aroma and smoking qualities of the leaf. For this purpose I use a preparation consisting principally of vegetable acids and an infusion of parts of certain plants.

In the preparation of my compound the following proportion of the several parts is used: five gallons of apple-cider vinegar, (more or less,) to which I add about five gallons of pure water, rain-water preferred. Place these ingredients in a suitable vessel over a fire and heat to the boiling-point, meanwhile skimming off all the impurities which rise to the surface. Then add about one pound of bruised (not powdered) valerian-root and about one

pound of cascarilla-bark, eight ounces of tannic acid, and eight ounces of gallic acid, more or less. Bring the preparation to the boiling-point once more and skim off all impurities coming to the surface. Let the mixture cool. Then strain it into a wooden receptacle, as a trough or tub, and it is ready for use.

The tobacco to be treated is immersed for a few minutes in the compound and then withdrawn or subjected to the same operation as that used in casing tobacco for cigars and chewing and smoking tobacco.

Tobacco treated by my compound is not deprived of its nicotin, as that would destroy the fiber of the leaf and make it harsh and brittle; but the preparation will by the presence of the vegetable acids neutralize the alkaloid and the valerian act as a nerve-sedative. The aroma is not affected, nor is any injury done to the leaf.

Having thus described the invention, what is claimed as new is—

1. A compound for treating tobacco consisting of vinegar, water, valerian, cascarilla, tannic acid and gallic acid.

2. A compound for treating tobacco consisting of apple-cider vinegar, rain-water, valerian-root, cascarilla-bark, tannic acid and gallic acid in about the proportions named.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE S. YINGLING.

Attest:

W. S. EASTMAN,
J. MILT. HUSTON.