

UNITED STATES PATENT OFFICE.

F. X. HAZMAN AND L. L. ARNOLD, OF NEW YORK, N. Y.

IMPROVED CIGARETTE-PAPER.

Specification forming part of Letters Patent No. 48,936, dated July 25, 1865.

To all whom it may concern:

Be it known that we, F. X. HAZMAN and L. L. ARNOLD, of New York, in the county and State of New York, have invented certain new and useful Improvements in Cigarette-Paper; and we hereby declare that the following is a full, clear, and exact description of the same.

The object of this invention is, first, to prepare the paper used for cigarettes in such manner that when rolled over a core of tobacco the same may be fastened or secured, so as to prevent the same from being unwound or unrolled; second, to impart to the paper a tendency to curl, so as to facilitate the preparing of the cigarettes; third, to flavor the paper with tonic-narcotic or other medicinal or perfuming ingredients, so that when burned its fumes may produce the effects desired.

To this effect our invention consists, first, in the manufacture of cigarette-paper coated on one side with an adhesive substance dried, and whether the same is applied to the whole surface or to the margin only; second, in the manufacture of cigarette-paper coated on one side with a substance which, when dried, shall shrink, so as to give the paper a tendency to curl; third, in the employment of the ingredients compounded in the proportion and manner hereinafter described for a mucilage or paper-coating, for the purpose set forth.

To enable others to make and use our invention, we shall now proceed to describe the manner in which the same is or may be carried into effect.

We take cigarette-paper prepared in any approved manner known, and cut the same up into sizes usually employed for cigarettes, and then spread them out on a table so as to overlap each other, leaving a margin exposed. The mucilage is then applied by means of a brush and the paper allowed to dry.

Another method consists in applying the sizing-gum or adhesive substance onto the one side of the paper before it is cut. The paper thus coated is then cut up into cigarette-paper sizes.

The adhesive substance or mucilage which we, after many experiments, have found to an-

swer well consists of the following ingredients: gum-arabic, one part; gum-dextrine, one part; gluten, one part; starch-flour, one part; salt-peter, one-sixteenth part. These ingredients are dissolved in a quantity of distilled water sufficient to produce the requisite degree of consistency. With this mixture is combined benzole tincture, cascarilla, and storax tinctures, a few drops of each, for the purpose of imparting to the paper a fine flavor. We further add, if desired, juice of licorice to neutralize the taste of tobacco when wetted.

The cigarette-paper thus made may be put up in bundles of detached wrappers held together between two pasteboard covers by means of vulcanized-rubber bands. One of the covers is made to fold, so as to give easy access to the papers.

Another mode is to make the paper in endless bands of a width equal to the length of the wrappers. This band is divided transversely by being punctured in the fashion of postage-stamps, so as to admit of their being easily detached in pieces of the requisite size for the wrappers.

Having thus fully described our invention and the manner in which the same is or may be performed, we claim--

1. The manufacture of cigarette-paper coated on one side with an adhesive substance dried, and whether the same is applied to the whole surface or to the margin only.

2. The manufacture of cigarette-paper coated on one side with a substance which, when dried, shall shrink so as to give the paper a tendency to curl.

3. The employment of the ingredients compounded in the proportions and manner herein described for a mucilage or paper-coating, for the purpose set forth.

In testimony whereof we have signed our names to this specification before two subscribing witnesses.

F. X. HAZMAN.
L. L. ARNOLD.

Witnesses:

MICHL. BROPHY,
JAS. B. BULLOCK.