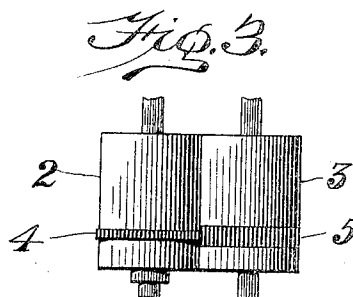
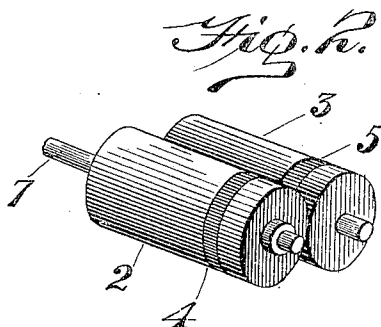
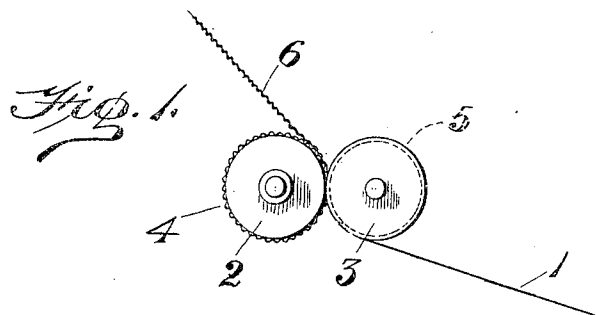


No. 818,150.

PATENTED APR. 17, 1906

N. DU BRUL.
CIGARETTE AND PROCESS OF MAKING SAME.

APPLICATION FILED FEB. 15, 1905.



WITNESSES:

H. G. Dieterich
J. M. Olynkoff.

INVENTOR

Napoleon DuBrul
BY *Knight Bros*
Attorneys

UNITED STATES PATENT OFFICE.

NAPOLEON DU BRUL, OF CINCINNATI, OHIO.

CIGARETTE AND PROCESS OF MAKING SAME.

No. 818,150.

Specification of Letters Patent.

Patented April 17, 1906.

Application filed February 15, 1905. Serial No. 245,762.

To all whom it may concern:

Be it known that I, NAPOLEON DU BRUL, a citizen of the United States, residing in Cincinnati, in the county of Hamilton, State of Ohio, have invented a new and useful Cigarette and Process of Making the Same, of which the following is a specification.

My invention relates to the manufacture of cigarettes having a paper wrapper secured around a tobacco filler by pasting together the overlapped edges of the wrapper. In the manufacture of cigarettes of this kind, and particularly where they are made in a so-called "continuous" cigarette-machine, in which the paper is fed lengthwise and folded around the filler and the edge of the paper is wiped or otherwise impinged by a paste-applying means, difficulty has been experienced, particularly with some kinds of paper, in getting the requisite quantity of paste to adhere to the edge of the paper. Moreover, the pasting of the paper is apt to irregularly expand the edge of the paper and make an unevenness or irregularity in the surface along the pasted edge which detracts from the appearance of the finished article.

My present invention produces cigarettes without the difficulties above mentioned and not only facilitates and insures the proper pasting, thus avoiding difficulty in the manufacture and producing a more durable finished article, but produces an article that is more attractive in appearance.

In carrying out my invention I pass the paper before pasting and preferably before bringing the edges together to form the wrapper-tube between a pair of rolls or other suitable means, which produces a line of crimping, corrugating, ribbing, or analogous roughening in a symmetrical and attractive manner on that part of the paper which receives the paste or overlaps the pasted part of the paper in forming the wrapper. While this line of crimping or other character of roughening may be on any part of the pasted or overlapped area of the wrapper, I have herein shown it and I prefer to have it along a line that is immediately adjacent and parallel to, but not extending to, the edge of that portion of the paper to which the paste is applied in securing the wrapper around the filler, the roughening thus secured making the edge of the paper more receptive to the requisite amount of paste, making said edge slightly prominent, so as to insure adequate pressure on the pasted portion as it passes

through the tube of the machine, and producing a finished article which has an attractive, roughened, corrugated, or milled effect along one edge where machine-made cigarettes frequently have a warped or distorted portion in the wrapper corresponding to the pasted area.

My invention will be fully understood upon reference to the accompanying drawings, in which—

Figure 1 is an end view of a pair of rollers between which paper is passed to prepare its pasting edge in the manner described. Figs. 2 and 3 are respectively a perspective view and a plan of said rollers. Fig. 4 is a perspective view of the finished article.

1 represents the paper, and 2 3 are the rolls between which the paper is passed. These rolls are provided with intermeshing corrugations 4 5, which when the paper is passed between them impart to the paper near one edge a crimped, corrugated, or otherwise symmetrically - roughened portion 6 by stretching the paper around the intermeshing portions of the rolls. The rolls 4 5 are preferably the paper-feed rolls of a continuous cigarette-machine, and in order that their main surfaces may exert the necessary driving effect on the paper the crimping portions 4 5, which while continuous in a circumferential direction occupy a comparatively slight portion in a longitudinal direction are respectively formed in relief and intaglio. The rolls may be driven in any suitable manner, such as through the medium of shaft 7.

8 represents the finished cigarette, which is shown provided with a crimped or corrugated portion 6, running parallel to the axis and with flat smooth pasted portions along both sides thereof.

By carrying out the several steps described in the process of making my improved cigarette all of the disadvantages heretofore experienced in the manufacture of pasted cigarettes are overcome and a superior and more attractive article is obtained.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. An improvement in the art of making cigarettes which consists in crimping, corrugating, ribbing or otherwise roughening a portion of the wrapper-paper and then applying paste to one edge thereof before closing the wrapper around the filler.

2. The herein-described improvement in

the process of manufacturing cigarettes, which consists in roughening the paste-receiving portion near, but not extending to one edge of the wrapper-paper then applying paste to said roughened edge, and then pressing the pasted roughened edge into position to adhere to the opposite edge of the paper.

3. The herein-described improvement in the process of manufacturing cigarettes, which consists in roughening the paste-receiving portion near, but not extending to one edge of the wrapper-paper so as to leave a flat smooth pasting portion on both sides of the roughened portion then applying paste to said roughened edge and then pressing the pasted roughened edge into position to adhere to the opposite edge of the paper.

4. The herein-described improvement in the process of manufacturing cigarettes, which consists in feeding the paper by a pair of rolls having corresponding portions of their peripheries formed to crimp, corrugate, rib, or otherwise roughen the edge of the paper, then passing the paper in position to receive paste upon said edge and pressing said edge in overlapped relation to the opposite edge of the paper.

5. As a new article of manufacture, a cigarette having its pasted portion crimped parallel and adjacent to but not extending to the edge.

6. As a new article of manufacture, a cigarette having one of the overlapped portions of its paper wrapper provided with crimping or similar roughening, with plane smooth pasting portions on each side thereof and having paste applied on the roughened and smooth parts of said overlapping portion, and said portion overlapped upon and pasted to the opposite side of the paper.

7. As a new article of manufacture, a machine-made cigarette having a pasted wrapper with a plain inner edge and with the outer overlapped portion crimped, substantially as described.

8. As a new article of manufacture, a machine-made cigarette with a pasted wrapper having an inner plain edge and an outer crimped paste-bearing portion overlapping the plain inner edge, substantially as described.

9. As a new article of manufacture, a machine-made cigarette having a pasted wrapper with the outer overlapped and pasted portion of the paper crimped, and the inner overlapped portion smooth, substantially as described.

The foregoing specification signed at Cincinnati, Ohio, this 9th day of January, 1905.

NAPOLEON DU BRUL.

In presence of—

H. WHYRICH,
E. H. FISHER.