Oct. 20, 1931. O. MULLER 1,827,761

CIGAR BAND

Filed Nov. 12, 1927

Fig. 1.

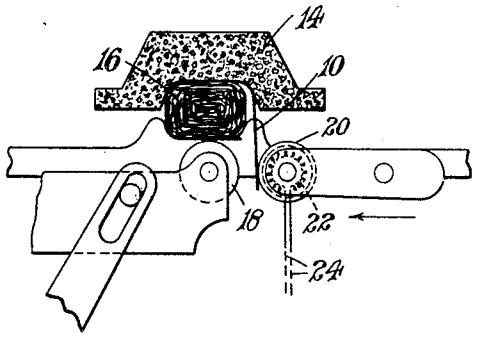


Fig. 3.

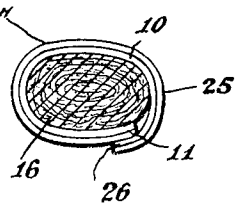
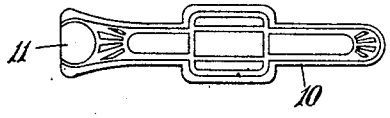


Fig. 2.



Inventor.

Otto Muller

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UNITED STATES PATENT OFFICE

OTTO MULLER, OF RICHMOND HILL, NEW YORK, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO KNEHER, MULLER COMPANY, INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK

CIGAR BAND

Application filed November 12, 1927. Serial No. 232,752.

This invention relates to cigar bands and has for its object to decrease the cost of cigar banding operations.

In my application, Serial No. 42,450, filed July 9, 1925, it was proposed to use for the final banding operation a heated roller or the like which has the two functions of bending one end of the cigar band upon the other and of applying heat and pressure to soften the adhesive material between the ends and cause them to adhere. The adhesive material referred to in said application is the ordinary gum-like adhesive with which cigar bands are usually provided when supplied to the market.

In accordance with the invention this gum is omitted and varnish used instead. I have found that ordinary varnish in its dry condition will cause firm adhesion between the band ends when heat and pressure are applied. The expense of gumming the band ends is eliminated. No appreciable additional expense is involved because cigar bands as now manufactured have a coating of varnish over the colour used for ornamental designs, one end only being left plain for the better adhesion of the gum. The invention, therefore, involves merely extending the coating of varnish over the end hitherto left plain, omitting the usual gum and using means such as that described in the application above referred to for applying heat and pressure to the overlapping ends of the band.

In the drawings, Fig. 1 is a detail view showing the essential elements of a banding machine in the positions occupied just prior to the final operation of banding in accordance with the invention, and Fig. 2 is a plan view of a cigar band of a suitable type for carrying out the invention, while Fig. 3 shows the band applied to a cigar.

The band 10 has its outer surface decorated with an ornamental design, usually in colours, and usually also words indicating the name and origin of the cigar. The band is then varnished (which varnish layer is herein designated 25) including the space 11 where the paper has heretofore been left unvarnished. No gum is applied underneath the other end. The bands thus prepared are ready to be supplied to the cigar manufacturer.

With reference to the banding, only the machine elements actually engaged in wrapping and securing the band are shown in the drawings. A block of sponge rubber 14 is pressed down on the band 10 which has been laid transversely on a cigar 16. This operation causes the band ends to extend downwardly at the sides of the cigar.

Next a roller 18 passes underneath the cigar bending the end 11 to the position shown in Fig. 1. Upon the withdrawal of roller 18, a roller 20 closely follows it, bending the other end 26 of the band into overlapping relation with the end 11. The roller 20 contains an electric heating element 22 which receives a supply of heating current through conductors 24. The action of this heated roller is to press the ends of the band together at the same time heating the varnish enough to soften it and cause adhesion between the band ends.

Instead of ordinary varnish, other similar coatings, such as shellac or lacquers, may be used, and in the appended claims the term "varnish" is intended to include shellac, lacquer and other varnish-like materials, i. e., materials which serve a purpose in connection with the decorative features of the band, and which may be softened by a moderate application of heat so as to adhere to the other surface of the band.

What I claim is:

1. A cigar band in the form of a strip having ornamentation thereon, a coating on said strip to protect said ornamentation, said coating when subjected to heat serving to stick the ends of the strip together.

2. A cigar band in the form of a strip having ornamentation thereon, a transparent coating on said strip to protect said ornamentation, said coating when subjected to heat serving to stick the ends of the strip together.

3. A cigar band of the type in which the ends are adhesively connected together, said band having ornamentation on one surface, a dry protective covering for all of said sur-

face, serving when fused, as an adhesive for the overlapping portion of said band.

4. A cigar band of the type in which the ends are adhesively connected together, having ornamentation on one surface, a dry transparent fusible protecting covering for all of said surface whereby the overlapping ends of said band may be fastened together by heat and pressure.

5. A cigar band of the type having a printed surface in which the ends of the band are adapted to be adhesively connected together in overlapping relation, a dry, fusible, protective covering for a portion of the printed surface of said band extending beyond the overlapping portion of the ends by which the overlapping ends of said band may be fastened together by the application of heat and pressure.

In witness whereof I hereunto subscribe my name, this 5th day of October A. D. 1927.

OTTO MULLER.