Dec. 18, 1928. 1,695,822

C. RESTEIN

PACKING AND METHOD OF MAKING THE SAME

Filed March 18, 1924

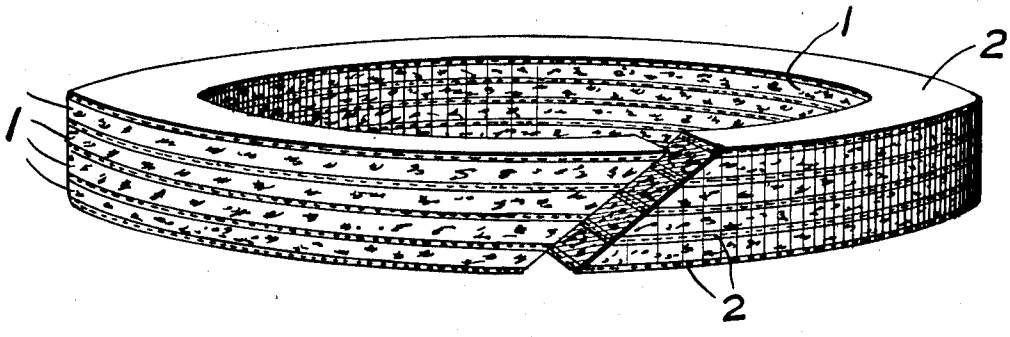


FIG. 1.

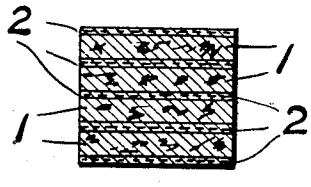


FIG. 2.

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UNITED STATES PATENT OFFICE.

CLEMENT RESTEIN, OF HATBORO, PENNSYLVANIA.

PACKING AND METHOD OF MAKING THE SAME.

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A strip or sheet of cork constitutes an excellent component for a packing. However, packing is of curved form and cork does not lend itself to commercial manufacture in that form because it is brittle when dry and when wet it swells and in thereafter drying and shrinking interferes with the production of packing of the desired or required cross-sectional size and shape.

Objects of the present invention are to provide a curved cork packing and to manufacture the same commercially and satisfactorily.

The invention will be claimed at the end hereof but will be first described in connection with the accompanying drawings forming part hereof and in which

Figure 1 is a perspective view of a so-called cork packing embodying features of the invention, and

Fig. 2 is a cross-sectional view of the packing shown in Fig. 1.

In the drawings the packing consists of strips of cork 1 and strips of vulcanizable fabric 2 attached to the cork and imparting flexibility to it even when dry, and the flexible strips 2 are vulcanized in curved form and retain the curved form imparted to the cork strips. The flexible strips 2 may consist of duck or asbestos and rubber and they are shown in alternation with strips of cork, the fabric strips 2 being at the top and bottom faces of the packing.

In the manufacture of the packing the straight cork strips of generally rectangular cross-section are cemented as by rubber cement to the vulcanizable fabric strips and in bending the assemblage into curved form, which is usually done by winding it around a mandrel, the bending force is distributed throughout the cork strip and upon vulcanization the fabric or flexible strips 2 are set in curved form and preserve the curved form imparted to the cork strips. In some instances some of the pores in the cork are occupied by particles of the vulcanized rubber. Since the packing can be bent dry without unduly rupturing the cork strips or breaking them it can be expeditiously and cheaply manufactured to the required size and shape in cross-section.

It will be obvious to those skilled in the art to which the invention relates that modifications may be made in details of construction and procedure without departing from the spirit of the invention which is not limited to such matters or otherwise than as the prior art and the appended claims may require.

I claim:

1. A packing consisting of strips of cork and strips of vulcanizable fabric attached to the cork and imparting flexibility thereto even when dry and said strips vulcanized in curved form in the plane of the strips to retain and impart curved form to the cork strips.

2. The method of making a curved cork packing which consists in distributing the bending force throughout the cork strip by reinforcing it with a connected vulcanizable flexible strip, applying bending force to the connected strips in the plane thereof, and then vulcanizing the bent flexible strips to preserve the curved form of the cork strip.

CLEMENT RESTEIN.

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