No. 886,926. PATENTED MAY 5, 1908.

G. F. BISHOPRIC.

WALL FOR PACKING CASES.

APPLICATION FILED MAR. 22, 1906.

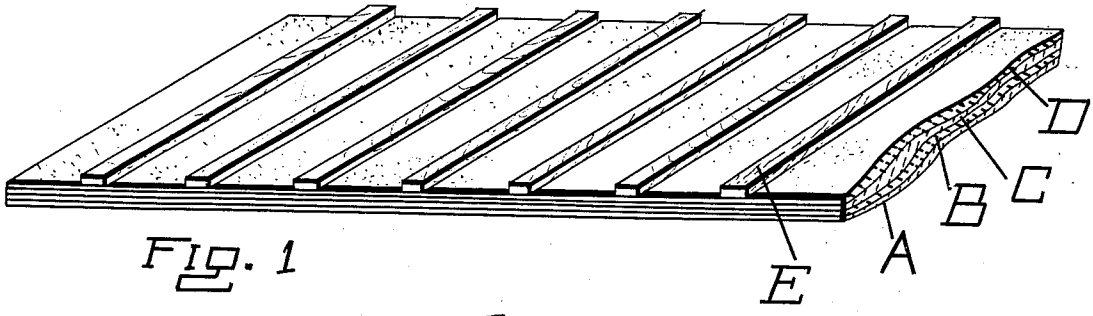


Fig. 1

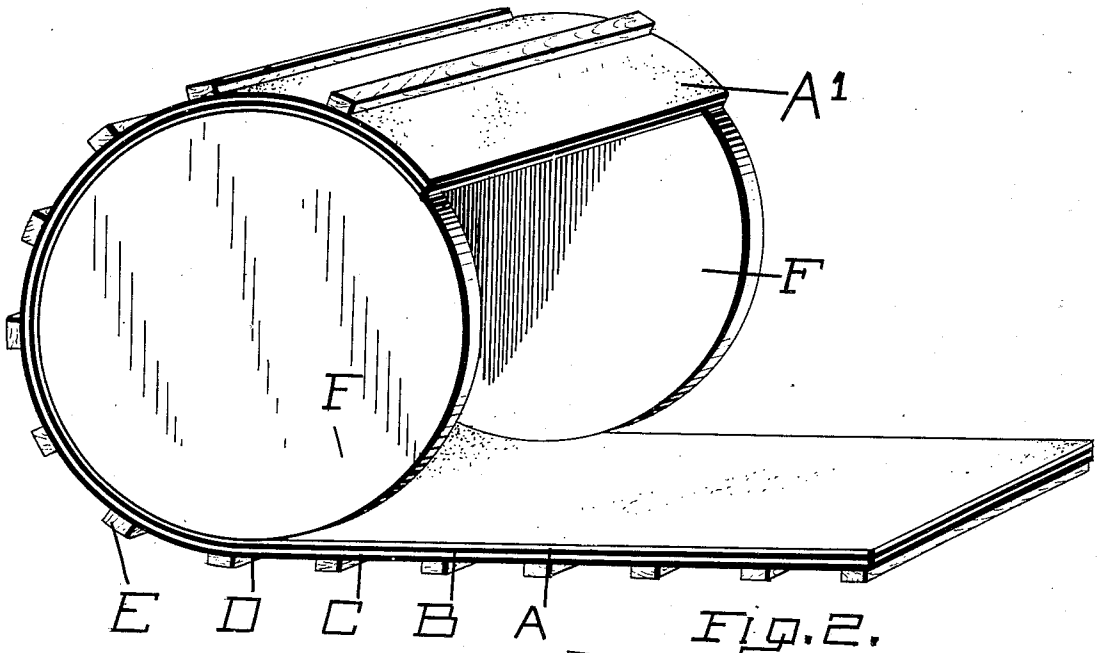


Fig. 2.

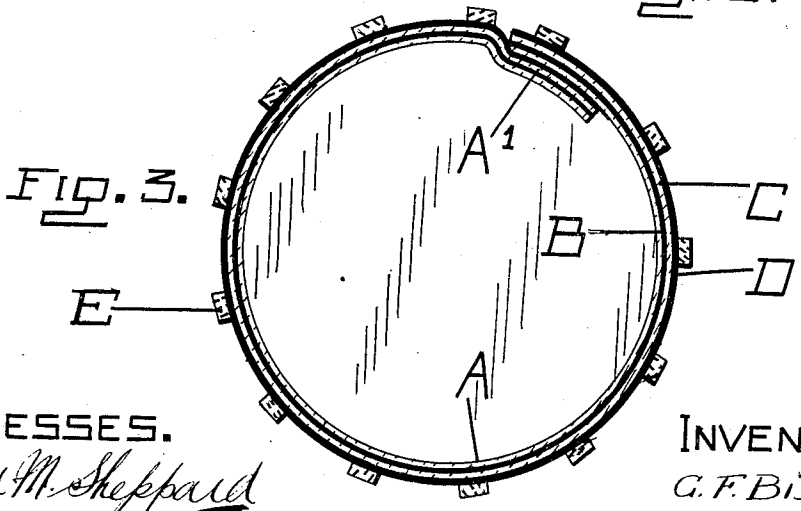


Fig. 3.

WITNESSES.

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UNITED STATES PATENT OFFICE.

GEORGE FREDERICK BISHOPRIC, OF TORONTO, ONTARIO, CANADA, ASSIGNOR TO BISHOPRIC & COMPANY, OF TORONTO, CANADA, A FIRM.

WALL FOR PACKING-CASES.

No. 886,926. Specification of Letters Patent. Patented May 5, 1908.

Application filed March 22, 1906. Serial No. 307,442.

To all whom it may concern:

Be it known that I, GEORGE FREDERICK BISHOPRIC, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, contractor, have invented certain new and useful Improvements in Walls for Packing-Cases, of which the following is the specification.

My invention is an improved article of manufacture, applicable to form walls for packing cases and other purposes.

It consists of a layer of an adhesive asphaltum compound, on suitable flexible backing and combined with spaced strips of stiff material such as wood adhering to the asphaltum compound surface.

The particular details of construction of my said invention are hereinafter more fully described and illustrated in the accompanying drawings, in which:

Figure 1, is a perspective view showing the strip in which one of the walls of my case is made. Fig. 2, is a view showing a substantially cylindrical package being made with my improved wall. Fig. 3 is a sectional plan of the package.

In the drawings like letters of reference indicate corresponding parts in each figure.

The asphaltum mixture used in this invention is a well known mixture of asphaltum and carbonate of lime, which has special water-proof and strongly adhesive qualities combined with flexibility, adapting it peculiarly to form in combination with the protecting strips, a wall for various purposes. These qualities, however, in order that they may be preserved unimpaired, by exposure to abrasion, need a protective covering. This I have found may be supplied cheaply and effectively, by strips of wood, such as laths, or like material, applied to the asphaltum compound, while it is hot, and this may be caused to adhere and be securely held upon the surface. To this end there must be an outside layer of the asphaltum compound, and not a mere saturation of the packing by the asphaltum compound.

In the preferred form of my invention, I use an inner layer of paper A, an inter-layer of asphalt mastic B, an inter-layer of paper C and an outer layer of asphalt mastic D having superimposed thereon strips E arranged crosswise. These strips D are superimposed while the mastic is yet hot and when the mastic cools are securely united thereto. The strips D are preferably made of wood although they may be made of any other suitable material to which the asphalt mastic will adhere.

Although I describe my wall as composed of four layers, it will be readily understood that it may be made of any number of layers, from two upwards depending upon the use to which the packages are to be applied.

I have shown, for the sake of illustration, my invention applied to the construction of a package in the form of a barrel. The ends F of this package may be made of wood or any other suitable material and the remaining wall formed of my composite material herein-before described, which is secured to the edges of the ends by nails or any other suitable fastening devices or means.

When formed up into the case the asphalt mastic is arranged with an underlying flap A′ to make a secure joint, and the asphalt mastic is made sufficiently warm on the flap so that when the outer portion of the wall is placed thereon it will adhere thereto and thereby form a water-tight joint.

The strips form a large part of the exposed outer surface, strengthen the structure and protect the asphaltum from abrasion or injury in handling.

It will be understood that the asphaltum compound must be of sufficient thickness to hold the strips, which when being placed on the asphalt embed themselves therein, so that the asphalt extends upwardly on the side of the strip and thereby serves to securely hold the strip in position.

I claim:—

As a new ariticle of manufacture, a material comprising a layer of adhesive asphaltum compound combined with a suitable backing and a series of strips such as wood, extending crosswise of the material at desired distances apart and embedded in the asphaltum compound surface, the major portion of the compound between the strips being comparatively thin as compared with the compound in proximity to the strips whereby the longitudinal bending of the material only is permitted as specified.

GEORGE FREDERICK BISHOPRIC.

Witnesses:

E. MCEACHERA,

H. SUET.