UNITED STATES PATENT OFFICE.

WILLIAM KING AND WILLIAM LEONARD KING, OF VICTORIA, BRITISH COLUMBIA, CANADA.

LEATHER SUBSTITUTE.

1,409,301. Specification of Letters Patent. Patented Mar. 14, 1922.

No Drawing. Application filed October 28, 1919. Serial No. 334,091.

To all whom it may concern:

Be it known that we, WILLIAM KING and WILLIAM LEONARD KING, citizens of Canada, British subjects, residing at Victoria, in the Province of British Columbia and Dominion of Canada, have invented new and useful Improvements in Leather Substitute, of which the following is a specification.

The object of our invention is the production of a leather substitute which shall be as strong and yieldable as leather.

In the manufacture of boots and shoes there is always a large amount of waste leather, either in a dust or small cuttings which necessarily entails a great loss to the manufacturer, as the same is useless to him and as a rule is carted away or burned or otherwise disposed of in an unprofitable manner.

We have found that this waste leather when used in combination with asphalt, linseed oil and cotton, hemp, jute, sisal or like fiber, properly treated will produce a substitute for leather that embodies all the desirable features of genuine leather and which also is absolutely waterproof.

In preparing the composition, asphalt, linseed oil, fiber and leather dust are boiled together, being stirred so that the ingredients are thoroughly mixed by boiling. The composition is then molded in the sheets on a warm plate. The size of the plate depends upon the size of the sheets to be made. The sheets are then subjected to a hydraulic pressure, and after it has been so pressed is ready for use. The leather substitute is particularly adaptable for the soles, insoles and heels of shoes, but, of course, may be used in other connections.

Having thus described the invention, what is claimed as new, is:—

The herein described means for producing a waterproof sole for shoes consisting of mixing and boiling together, asphalt, leather dust, cotton fiber and linseed oil, and thereafter subjecting the mass to a hydraulic pressure to form the same in a sheet.

In testimony whereof, we affix our signatures.

WILLIAM KING.
WILLIAM LEONARD KING.