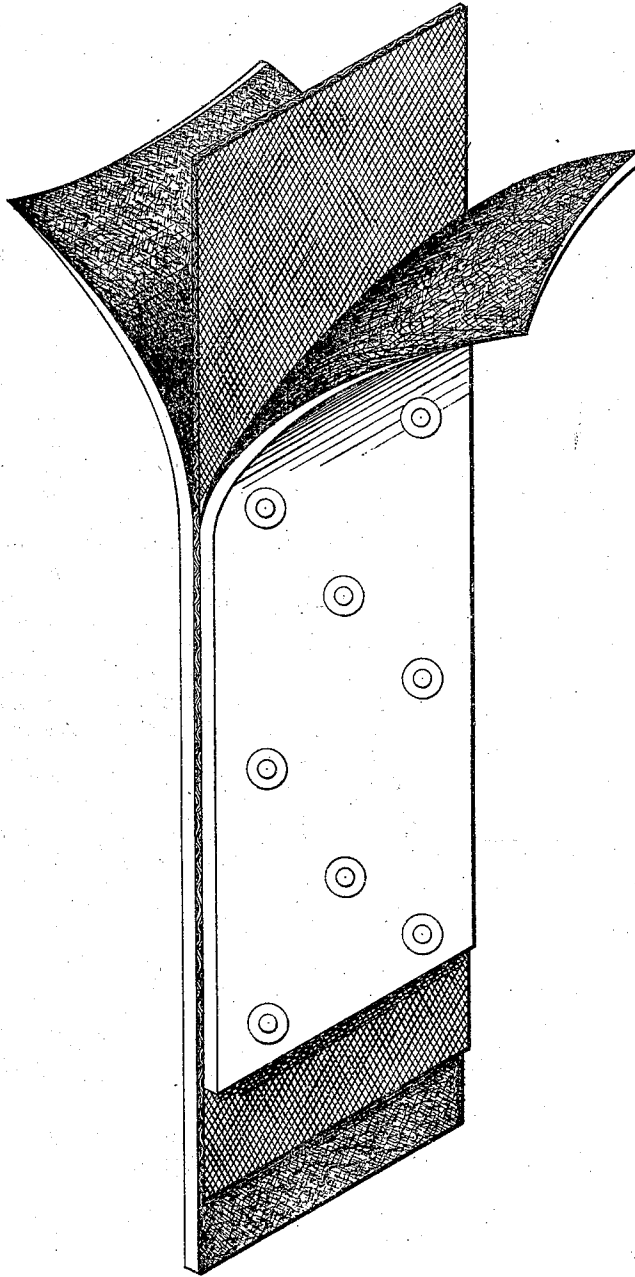


G. O. CLARK & F. G. SLEMMER.

Manufacture of Leather Belting.

No. 133,698.

Patented Dec. 10, 1872.



WITNESSES.

Isaac F. Mansfield
Isaac F. Mansfield

INVENTORS.

George O. Clark
Frank, G. Slemmer -
By Isaac C. Oakford -
attorney.

UNITED STATES PATENT OFFICE.

GEORGE O. CLARK AND FRANK G. SLEMMER, OF PHILADELPHIA, PA.

IMPROVEMENT IN THE MANUFACTURE OF LEATHER BELTING.

Specification forming part of Letters Patent No. **133,698**, dated December 10, 1872.

To all whom it may concern:

Be it known that we, GEORGE O. CLARK and FRANK G. SLEMMER, both of the city and county of Philadelphia and State of Pennsylvania, have invented a certain Improvement in the Manufacture of Leather Belting, of which the following is a specification:

This invention is an improvement on that class of leather belting in which a strip of canvas or other textile fabric is introduced between two or more layers of leather for the purpose of preventing stretching of the belt, and to increase the durability of the same. Our invention consists in first thoroughly saturating the canvas with a composition such as is ordinarily used in splicing belts by passing it very slowly through a rectangular-shaped copper tank containing the cement. The canvas, after being thoroughly saturated with the cement, is then placed upon a frame-work, and allowed to remain until thoroughly dried, after which it is placed between two or more layers of leather which have been previously spread with a light coating of hot cement, and pressure applied. The surfaces of the leather which are brought in contact with the canvas and on which the cement is spread, are combed or roughened up so as to squeeze or adhere more closely into the fibers of the canvas. In order to unite the parts more completely the stitching or riveting process is used.

The difficulty heretofore experienced has been that, where the cement has been applied to the leather and canvas at the same time, and pressure applied, the cement is forced or squeezed from the canvas and absorbed by the leather to such an extent as to destroy its adhesive qualities; whereas, in our process, the cement being first applied to the canvas and dried, it becomes set or fixed, so that when it is brought in contact with the hot cement on the leather the surface of the cement is warmed sufficiently to make it hold with greater tenacity without being absorbed entirely by the leather.

What we claim as our invention is—

The improved method of manufacturing leather belting by thoroughly saturating the canvas or other textile fabric with cement and then introducing and pressing it between two or more layers of leather, the said canvas having been allowed to dry before applying it to the leather, substantially as and for the purpose set forth.

GEORGE O. CLARK.
FRANK G. SLEMMER.

Witnesses:

ISAAC R. OAKFORD,
ISAAC TOWNSEND.