

(No Model.)

J. S. COYTE.

METHOD OF MAKING GUTTA PERCHA CLOTH.

No. 562,281.

Patented June 16, 1896.

Fig. 1.

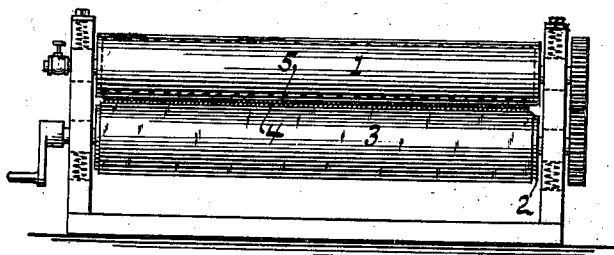
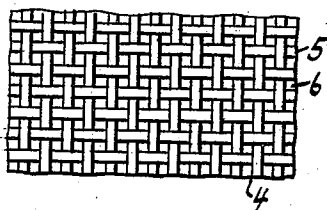


Fig. 2.



Fig. 3.



WITNESSES:

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METHOD OF MAKING GUTTA-PERCHA CLOTH.

SPECIFICATION forming part of Letters Patent No. 562,281, dated June 16, 1896.

Application filed April 2, 1896. Serial No. 585,931. (No specimens.)

To all whom it may concern:

Be it known that I, JOSEPH S. COYTE, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Methods of Making Gutta-Percha Cloth, of which the following is a specification:

This invention has for its object to provide a new and improved method or process for manufacturing gutta-percha cloth, whereby gutta-percha is thoroughly united or combined with a textile material.

In the accompanying drawings, Figure 1 is an elevation of an apparatus suitable for carrying my invention into effect. Fig. 2 is a sectional view of a portion of gutta-percha cloth made according to my invention, and Fig. 3 is a plan view of the same.

In the drawings the numerals 1 and 2 indicate rollers. The roller 1 is heated by any suitable well-known means, as by a steam-jet passed through the roller. The roller 2 is cold or unheated and is covered with a wrapping 3, such as muslin, suitably kept moist—as, for example, by a jet or spray or by moistening with a sponge or in any suitable way.

A sheet 4 of gutta-percha being laid upon or against a foundation 5, such as a piece of muslin or textile material, and the sheets 4 5 being run through between the rollers, the gutta-percha 4 is thoroughly secured to the foundation or fabric 5. The fabric 5 is made to pass in contact with the hot roller 1, the gutta-percha contacting with the cold roller 2 or rather with the moist wrapping 3 of the cold roller.

The rollers 1 2 are set so close together or so held toward one another by spring-pres-

sure or other means that the materials or sheets 4 5 in passing between the rollers will be firmly pressed together. The combined heat and pressure cause the gutta-percha to be pressed into the meshes of the cloth or fabric 5, so that the gutta-percha is united to the fabric and extends as an unbroken sheet or facing over one side thereof. The portions 6 of the gutta-percha sheet which project into the meshes of the fabric cause the gutta-percha to be held to the fabric.

The foundation or fabric 5 being interposed between the hot roller 1 and the gutta-percha sheet prevents the latter adhering to the hot roller, while the cool or moistened wrapping 3 prevents the gutta-percha adhering to roller 2.

The complete cloth having the gutta-percha exposed along one face is serviceable for various purposes—as, for example, in protecting leather enamel during working, as in making patent-leather shoes.

What I claim as new, and desire to secure by Letters Patent, is—

The method or process herein described of making gutta-percha cloth, which consists in superimposing sheets of cloth and gutta-percha, pressing these sheets, and while under pressure subjecting the cloth and one face of the gutta-percha to heat, and concurrently therewith cooling the other face of the gutta-percha, substantially as set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH S. COYTE.

Witnesses:

WM. C. HAUFF,
E. F. KASTENHUBER.