

UNITED STATES PATENT OFFICE.

FRANK F. TERRAMORSE, OF EAST PORTLAND, OREGON.

WATER-PROOF FABRIC FOR MAKING GOSSAMER CLOTHING.

SPECIFICATION forming part of Letters Patent No. 284,514, dated September 4, 1883.

Application filed January 23, 1883. (No specimens.)

To all whom it may concern:

Be it known that I, FRANK F. TERRAMORSE, of East Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Water-Proof Fabric for Making Gossamer Clothing, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved water-proof fabric for making gossamer clothing, such as coats, jackets, leggings, hat and cap covers, ladies' cloaks, &c.

The cloth or fabric which is to be made water-proof is immersed into the following mixture: one-half gallon of boiled linseed-oil, one and a half ounce of fine lamp-black, two drams of litharge, four drams of a suitable drier. These ingredients are thoroughly mixed, and then strained through a piece of cloth into an iron pot and boiled for half an hour. The fabric is then dipped into the mixture while the same is hot for applying the first coat on the fabric. The fabric is then wrung out by means of an ordinary wringer, and placed into the drying-house until it is perfectly dry. For applying a second coat, the fabric or article made from the same is taken out of the drying-house and placed on a mold of the exact shape of the article, and then the above-described mixture is applied with either a sponge or a brush, and then it is rubbed all over the fabric with the hand to make it smooth. The article or fabric is then placed in the drying-house, in which it remains until it is perfectly dry again. It is then placed on the mold again, and is rubbed down with pumice-stone until it is perfectly smooth, and then the third coat of the above-described mixture is applied and rubbed down in the same manner as the sec-

ond coat. The fabric must in all cases be provided with three coats of the above-described mixture in order to make it perfectly water-proof. I can use any kind of fine cloth, silk, or other fabric for making the gossamer fabric. The advantages of the above-described water-proof cloth are that it will not crack or break when exposed to heat or cold, it becomes more pliable the longer it is worn, it is very light and agreeable to wear, has no disagreeable odors, and can easily be repaired.

The clothing manufactured by the above process looks fully as well as rubber clothing, and is far superior in quality.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The above-described mixture for making fabrics water-proof, consisting of boiled linseed-oil, fine lamp-black, litharge, and a suitable drier, mixed in about the proportions given, as set forth.

2. The above-described process for making water-proof fabric, consisting in immersing it into a waterproofing solution, then wringing it out and drying it, then placing it on a mold and applying a second coat of the waterproofing mixture by means of a brush or sponge, then drying the said second coat and rubbing it down by means of pumice-stone, then applying a third coat while on a mold, drying the fabric, and again rubbing it down with pumice-stone, as set forth.

FRANK F. ^{his} × TERRAMORSE.
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Witnesses:

G. A. HEGELE,
A. S. GROSS.