

UNITED STATES PATENT OFFICE.

C. H. BRAND, OF WILLIAMSBURG, NEW YORK.

IMPROVEMENT IN MANUFACTURE OF VELLUTED CLOTH.

Specification forming part of Letters Patent No. 5,534, dated April 25, 1848.

To all whom it may concern:

Be it known that I, C. H. BRAND, of Williamsburg, on Long Island, in the State of New York, have invented a new and Improved Composition and Process for Manufacturing a Chemical Velluted Cloth; and I do hereby declare that the following is a full and exact description of this my invention and the manufacturing of the same.

I take muslin, linen, or any cloth made of cotton or linen, fasten it with cords on frames. Then I take a smooth piece of pumice-stone and rub the same off with it. When this is done I apply to it, by a couple of large round knives or brushes made for this purpose, a composition made as follows: I take four gallons of linseed-oil, in which a quarter of a pound of india-rubber has been dissolved, which is done by putting it for about three hours on a strong coal-fire. Then I add one-fourth pound of bees-wax, boil it again half an hour. After this I add one-fourth pound of gum-elemi and boil it one-fourth of an hour. Then I add one pound of asphalt, boil it again for about half an hour, and then at last I add two pounds of fine lamp-black, mix it well together, and boil this again for about half an hour. This mass, when cold, is then applied as described above. When I have given the cloth a coat of the above-described mass I put it into the sun or into a warm

place to dry. When dry I take water, put it on the cloth, and then I take a piece of a pumice-stone and rub it off with the water, dry it again and give it another coat, as before, and treat it in the same manner. If this is done, I apply to it a coat of the following composition, very thin and even: I take one pound of gum-copal, melt it in a suitable vessel, add to it one pound of linseed-oil in which one ounce of india-rubber has been dissolved. Then I take half a pound of japan and one pound of spirits of turpentine, add it, and let it get cold for use. If this mass is applied as above said, I take ground flock, throw it all over the cloth, and beat it from the under side with a couple of sticks till the flock has settled. Then it is dried and rubbed off with pumice-stone. The other side is done in the same way as the first. The prints are velluted in like manner as the cloth.

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

The composition of the above-named articles by which the ground flock is applied to the cloth.

C. H. BRAND.

Witnesses:

A. MENSING,
W. ZERSE.