

UNITED STATES PATENT OFFICE.

WILLIAM H. SMITH, OF PHILADELPHIA, PENNSYLVANIA.

COMPOSITION OF MATTER.

No. 837,351.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed August 16, 1906. Serial No. 330,859.

To all whom it may concern:

Be it known that I, WILLIAM H. SMITH, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Composition of Matter, of which the following is a specification.

My composition consists of the following ingredients: stearic acid, three per cent.; Chinese wood-oil, (tung-oil,) five per cent.; acetone, fifty per cent.; nitrocellulose, twenty per cent.; pigment, twelve per cent.; pulverized leather, ten per cent.; total, one hundred per cent.

In preparing the above compound first dissolve the nitrocellulose in the acetone and then add the stearic acid, Chinese wood-oil, (tung-oil,) pigment, and pulverized leather and mix thoroughly over a gentle heat. The pigment determines the color and must be used with this object in view.

The object of the above composition is to prepare the surface in the making of artificial leather. In applying the composition in the making of this leather I provide a mixing-tank containing a bath of the material or composition when mixed, feeding-rollers, and a series of rollers for imprinting the leather

design or imitation on the surface of the covered fabric.

By the use of the above composition a fabric-ground can be made to imitate leather and not only imitate the leather, but the character of the fabric in point of service and usefulness is increased and it has the practical service qualities and appearance of leather.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The herein-described composition of matter, consisting of stearic acid, Chinese wood-oil (tung-oil), acetone, nitrocellulose, pigment and pulverized leather, as and for the purpose set forth.

2. The herein-described composition of matter for making artificial leather, consisting of stearic acid three parts, Chinese wood-oil (tung-oil) five parts, acetone fifty parts, nitrocellulose twenty parts, pigment twelve parts and pulverized leather ten parts, as set out for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WM. H. SMITH.

Witnesses:

HOMER A. HERR,
D. A. SAWYER.