

UNITED STATES PATENT OFFICE.

GOTTFRIED JÄGER, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN COMPOUNDS FOR COLORING LEATHER.

Specification forming part of Letters Patent No. 121,375, dated November 28, 1871; antedated November 13, 1871.

To all whom it may concern:

Be it known that I, GOTTFRIED JÄGER, of Indianapolis, in the county of Marion and State of Indiana, have invented a Compound for the purpose of Coloring Leather; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention consists in washing the leather with the solution of salt of tin and oxalic acid to prepare the leather for receiving the color. Potash, nut-gall, and sulphate of iron are the ingredients of the compound for coloring.

To understand and make my invention I proceed to describe it more fully, as follows:

The proportion of ingredients composing the wash for the purpose of preparing the leather is one part of oxalic acid to three parts of water. With this solution I wash all kinds of grain leather. With the solution of one part of salt of tin and three parts of water I wash all split leather and leather without grain. After the leather is perfectly dry it is ready to receive the color. The compound I use to give the leather the various shades of light brown is composed of one part of potash and three parts of water. To get the various shades desired I increase or decrease the strength of the solution. It is applied with an ordinary brush. For dark colors I use the following compound: one part of sulphate of iron,

one part of nut-gall, and three parts of water. This is also applied to the leather as before stated. For the purpose of shading the color on the leather a solution of oxalic acid is prepared and slightly applied with a sponge till the shades suit the operator. After the paint is well dried a mixture of starch and the white of egg is used for coating the leather. After the coating has well dried the leather is now ready to receive the varnish. This process of coloring leather does away with the laborious coloring of leather now in use.

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

1. The application of the solution of oxalic acid and salt of tin to the leather, in the proportion and the manner and way as herein set forth.
2. The application of the solution of potash for the purpose of coloring, as herein set forth.
3. The combination of oxalic acid, salt of tin, and potash with nutgall and sulphate of iron, substantially as and for the purpose specified.

In testimony that I claim the foregoing specification, I have hereunto set my hand this 7th day of January, 1871.

GOTTFRIED JÄGER.

Witnesses:

I. KLINGENSMITH,
JOHN SHULZ.

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