

UNITED STATES PATENT OFFICE.

N. B. POWERS, OF LANSINGBURG, NEW YORK.

IMPROVED COMPOSITION FOR SIZING AND STIFFENING FLOOR-CLOTHS, &c.

Specification forming part of Letters Patent No. **36,794**, dated October 28, 1862.

To all whom it may concern:

Be it known that I, N. B. POWERS, of Lansingburg, in the county of Rensselaer and State of New York, have invented a new and Improved Sizing Compound; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention consists in the employment or use as a sizing compound of a composition made of blood and lime, with or without linseed or any other drying-oils, to be applied to canvas used in the manufacture of floor oil-cloths, or to other textile fabrics or paper.

My composition is made by mixing a quantity of lime, with or without drying-oils, with blood as it comes from the veins of cattle or other animals, in about the following proportions: Blood, two parts; lime, one part, by weight; or the composition may also be made by dissolving the lime in water and mixing the lime-water with the blood. The proportions which I have named above must be varied for different kinds of blood, and according to the quality of lime. After the lime has been perfectly mixed with the blood, or in case

lime-water is used after said solution has been intimately mixed with the blood, the composition is ready to be used; and it must be remarked that it ought to be used up within a few hours, as it sets or hardens so much as to be unfit for the purpose intended. The oil may be added after the lime has been intimately mixed with the blood. By applying this sizing compound to canvas the latter is rendered fit to be used in the manufacture of floor oil-cloths; but it must be remarked that my compound is equally applicable for sizing other textile fabrics or paper.

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

The employment or use of a sizing compound made of the ingredients herein specified and mixed together in about the proportions set forth.

N. B. POWERS.

Witnesses:

JOHN DAVRY,
JABESH G. SCOLLAY.