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150,562

# UNITED STATES PATENT OFFICE.

LLOYD S. GIBSON, OF JAMESTOWN, NEW YORK.

## IMPROVEMENT IN FIRE-PROOF PAINTS.

Specification forming part of Letters Patent No. **150,562**, dated May 5, 1874; application filed April 13, 1874.

*To all whom it may concern:*

Be it known that I, LLOYD S. GIBSON, of Jamestown, Chautauqua county, New York, have invented a Composition for Fire-Proof Paint; and I do hereby declare the following to be a full and correct description of the same.

The object of my invention is to produce a composition for fire-proof paint for the protection, as well as preservation, of roofs and outside of buildings and other objects which are exposed to fire and the other elements. My invention consists in compounding alum, sugar of lead, and silicate of sodium, ~~or~~ silicate of potassium, ~~or~~ both, with or without dry white zinc ~~or~~ other coloring matter, with which it will unite for the purpose of forming a non-combustible or fire-proof paint, according to the following formula:

Dissolve equal amounts of alum and sugar of lead in water, as much of each as the water will dissolve; then mix equal amounts of the solutions together in a separate vessel. After precipitation, mix the clear liquid with hot silicate of sodium in the proportion of about three

parts of the aforesaid liquid, to four parts of the silicate of sodium. Afterward add coloring matter, to suit, to the consistency of paint, when it is ready to be applied in the manner of applying paint.

Instead of using silicate of sodium silicate of potassium may be used, and it has been found advantageous to mix them.

I do not confine myself to the arbitrary proportions herein given, as they may be varied to meet various conditions without departing from the substance of my invention; but

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

The composition fire-proof paint consisting of alum, sugar of lead, and a silicate, compounded substantially as herein described.

The above specification of my said invention signed and witnessed at Jamestown this 31st day of March, A. D. 1874.

LLOYD S. GIBSON.

Witnesses:

A. HAYNES,  
J. P. PENNOCK.