

United States Patent Office.

ANTHONY PIRZ, OF LONG ISLAND CITY, NEW YORK, ASSIGNOR TO HIMSELF AND HENRY TORSTRICK.

Letters Patent No. 111,148, dated January 24, 1871; antedated January 7, 1871.

IMPROVEMENT IN COMPOSITIONS FOR COATING WOODEN STRUCTURES TO PROTECT THEM AGAINST FIRE.

The Schedule referred to in these Letters Patent and making part of the same.

I, ANTHONY PIRZ, of Long Island City, county of Queens, State of New York, have discovered and invented "new and useful Paint and Compound for rendering inflammable materials non-inflammable;" and I hereby declare that the following is a full and clear description of the same.

This invention consists in combining chloride of calcium ($\text{CaCl} + \text{aq}$) with what are known as mineral paints, for the purpose of staining and coloring wooden structures and securing the same against catching fire.

To accomplish these objects I make use of the crude chloride of calcium, which, being a refuse in various chemical processes, can be obtained at a low price.

I make a solution of the same, and mix it thor-

oughly with earthy or mineral coloring materials which I add to said solution, whereby I produce a compound which can be readily spread over the wood by means of a paint-brush, rendering the same proof against readily taking fire, as from sparks of the locomotive, for instance, and staining the same also in one operation.

What I claim as my invention is—

The compound herein described for protecting wooden structures against fire.

New York City this 27th day of June, 1870.

ANT. PIRZ. [L. s.]

Witnesses:

HENRY TORSTRICK,
WM. B. JACKSON.