

No. 729,036.

Patented May 26, 1903.

UNITED STATES PATENT OFFICE.

GUIDO BLENIO, OF NEW YORK, N. Y.

COMPOSITION OF MATTER.

SPECIFICATION forming part of Letters Patent No. 729,036, dated May 26, 1903.

Application filed August 5, 1902. Serial No. 118,443. (No specimens.)

To all whom it may concern:

Be it known that I, GUIDO BLENIO, a citizen of Austria, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improved Composition of Matter, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

My new and useful composition of matter consists of a solution designed for use as a paint or varnish for protecting wood and other substances or materials from fire or for rendering the same fireproof; and my composition consists of the following ingredients combined in the proportion specified, namely: liquid glass, one gallon; borax, one-quarter pound; water, one pint.

In preparing my improved composition or solution from these ingredients I first dissolve the borax in the water. I then mingle the liquid glass therewith, and said ingredients are thoroughly stirred or agitated, so as to cause a complete mingling thereof or form a homogeneous liquid product. This liquid product is applied to the wood or other material which it is desired to render fireproof by means of a brush in the manner of an ordinary paint, or it may be applied in any de-

sired manner, or the wood or other material may be immersed therein, and after being thoroughly dried said wood or other material will be fireproof and will only char when subjected to very high or unusual degrees of heat.

I am aware that borax and water-glass have heretofore been employed in a solution designed to serve as a fireproof paint; but I am not aware and do not believe all the ingredients of my invention have heretofore been employed for the purpose and in the manner specified.

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

The herein-described composition of matter for use as a fireproof paint for wood or other material, consisting of liquid glass one gallon, borax one-quarter pound, and water one pint, substantially as described and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 30th day of July, 1902.

GUIDO BLENIO.

Witnesses:

F. A. STEWART,
R. POLAK.

1/4 lb borax 114 gm
one pint H₂O - 473 cc

*Refs.:-
Kathe (German) 20,937 (Sol., Sol. Silicates).
Schweig (") 86,941 (" " ")*