No. 827,992. PATENTED AUG. 7, 1906.

J. S. PATTERSON.

METALLIC WALL COVERING.

APPLICATION FILED OCT. 4, 1905.

Fig. 1.

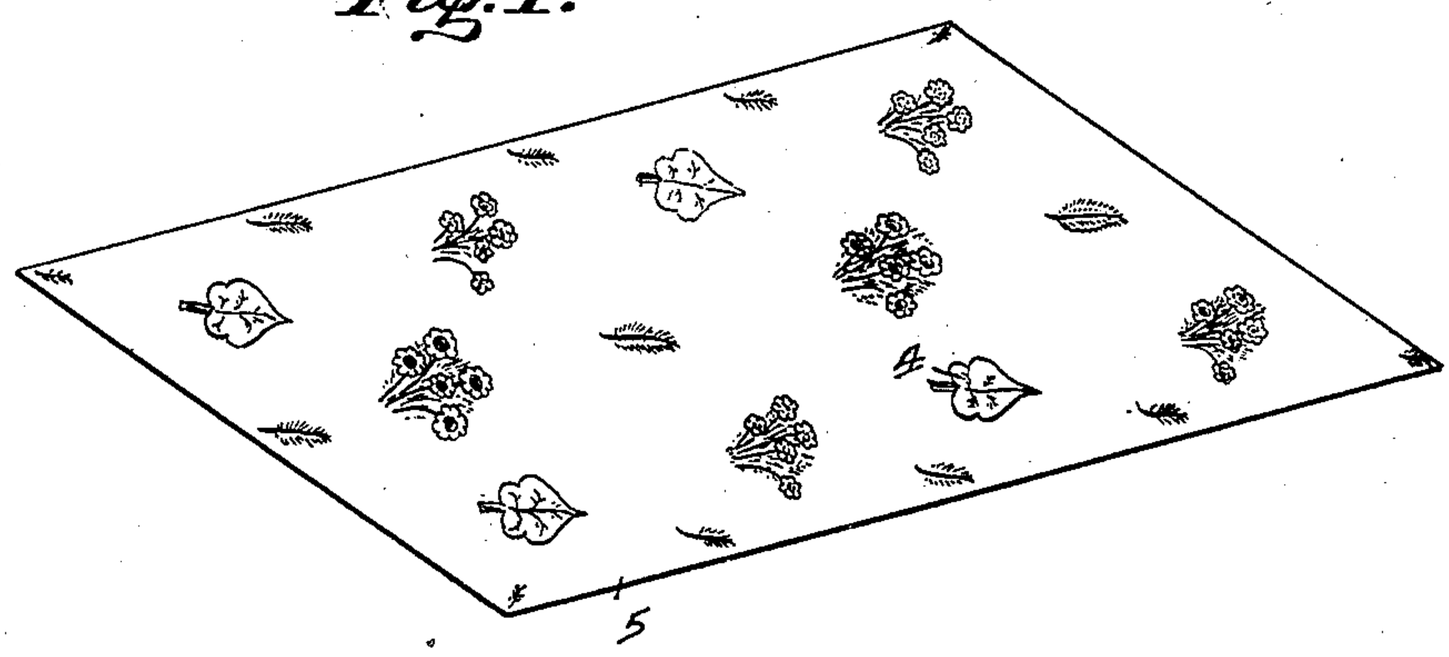
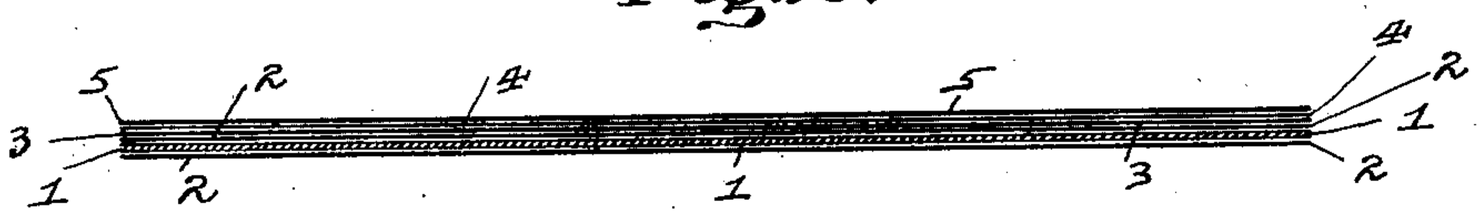


Fig. 2.



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METALLIC WALL-COVERING.

No. 827,992. Specification of Letters Patent. Patented Aug. 7, 1906.

Application filed October 4, 1905. Serial No. 281,211.

To all whom it may concern:

Be it known that I, JOHN S. PATTERSON, a resident of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Metallic Wall-Coverings; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to an improved metallic covering for walls and ceilings of rooms, and has special reference to that class of coverings shown in United States Letters Patent No. 641,237, granted on January 9, 1900, to George Russell. Heretofore in this class of coverings it has been found that when the same has been exposed to the atmosphere, smoke, and dirt that the decorations or ornamentations in gold or bronze on said coverings became black and soiled, thereby spoiling and rendering unsightly the entire wall or ceiling.

The object of my invention is not only to provide a covering for such purpose that will be fireproof, impervious to the passage of germs and vermin, and which will be also proof against the deteriorating influence of dampness in any form, but also to improve said covering by protecting the decorated exterior surface thereof from fading or tarnishing, scratching, or other injury and presenting a smooth and even surface thereto.

I will now describe my invention so that others skilled in the art may make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a sheet of my improved covering, and Fig. 2 is an enlarged transverse sectional view of the same.

Like numerals herein indicate like parts in each of the figures of the drawings.

My improved covering is preferably made as follows: A thin metallic sheet 1 of suitable length and width is taken and has applied to it on both sides one or more coatings 2 of plastic material composed, preferably, of linseed-oil, shellac, and lead. The plate is then inserted into a kiln or oven and subjected to an appropriate temperature—say from 100° to 400° Fahrenheit—for the purpose of "burning" the same. After the plate has been thus burned one or more coatings 3 of an enamel preparation composed, preferably, of copal, linseed-oil, and a suitable coloring material are applied to the exterior surface of the plate, and such coating or coatings are also baked in an oven or kiln heated to about the temperature above mentioned. The desired ornamentation 4 in gold, bronze, enamel, &c., is then applied to the last-applied coating in any desired manner or by any suitable machine, and then the plate is subjected to another baking or burning operation. After this is accomplished the ornamented or decorated plate so formed and burned has one or more coatings 5 of a clear or transparent enamel made of any suitable preparation, such as the enamel preferred above, with the exception of the coloring-matter, and such enamel is applied to such decorated surface, and then said plate is subjected to another for final baking or burning operation, after which it is ready for use.

The foregoing method is the preferred method of making my improved covering; but it will be understood that other methods may be employed in making the same, and the plates thus made may be applied to walls, ceilings, &c., in various ways and made to represent wall-paper, either plain or paneled.

The advantages of my invention will be appreciated by those skilled in the art, as the plates are economical to manufacture, durable, easy to keep clean, and not liable to crack and break, as in ordinary wall-coverings, and, as before mentioned, is proof against disease germs, fire, water, dampness, and vermin. It will also be obvious that sheets or plates so made with the final enamel coating and burned will preserve and protect both the former plastic and enamel coatings and will also make it possible to pack and ship sheets made in this manner without injury thereto, while plates so made will have their life increased, will enable a better reflection of light therefrom, and will permit them to be washed and cleaned without injury to the enamel or decorations.

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

1. As a new article of manufacture, a covering for walls and ceilings, composed of a plate of sheet metal having a coating on each side, one of said coatings having a decorated surface, and a burned enameled coating on said surface.

2. As a new article of manufacture, a covering for walls and ceilings, composed of a

plate of sheet metal having a burned coating on each side, one of said coatings having a decorated surface, and a burned enameled coating on said surface.

3. As a new article of manufacture, a covering for walls and ceilings, composed of a plate of sheet metal having a burned coating on each side, one of said coatings having an enameled decorated surface, and a burned enameled coating on said surface.

4. As a new article of manufacture, a covering for walls and ceilings, composed of a plate of sheet metal having a burned coating on each side, one of said coatings having a burned enameled decorated surface, and a burned enameled coating on said surface.

In testimony whereof I, the said JOHN S. PATTERSON, have hereunto set my hand.

JOHN S. PATTERSON.

Witnesses:
J. N. COOKE,
R. H. AXTHELUR.