UNITED STATES PATENT OFFICE.

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LUMBER COMPOSITION.

1,348,789. Specification of Letters Patent. Patented Aug. 3, 1920.

No Drawing. Application filed February 2, 1918. Serial No. 215,108.

To all whom it may concern:

Be it known that we, JOHN N. EHR, WALTER J. EHR, and GUY W. MATTESON, citizens of the United States, residing at Moose Lake, in the county of Carlton and State of Minnesota, have invented certain new and useful Improvements in Lumber Compositions, of which the following is a specification.

This invention relates to a plaster lumber composition and has for its object the production of a plaster board composition which may be troweled on a wall while in a plastic state.

Another object of the invention is the production of a plaster board composition which may be sold in a powdered form to be moistened and applied in a plastic state or formed into sheets to be nailed to a wall.

A still further object of the invention is the production of a plaster board composition for either inside or outside use and which will be comparatively very cheap and yet very durable and satisfactory in all respects.

With the above and such other objects in view we have invented the composition of matter now to be described.

The composition is composed of the following ingredients: paper pulp, swamp moss pulp and hard plaster or gypsum and water.

The composition is made by adding to 50% of hard plaster 25% of paper pulp and 25% of swamp moss pulp. These three ingredients are thoroughly mixed in a dry state, after which sufficient water, either hard or soft, is added to bring the mass to a suitable plastic state to be applied with a trowel.

When the composition is used and to be applied as common plaster it is sold in sacks in the dry state and the water is added when ready to be used. In this way it may be used upon lathing for inside or outside work or upon solid inside or outside walls by driving nails at suitable intervals into the walls for a certain distance, leaving the head ends projecting out a distance equal to the thickness the plaster is to be applied. After the plaster is troweled on it sets in about one hour's time and has the effect of plaster board nailed in place.

The composition may be also formed into sheets to be nailed to a wall as in the case of common plaster board. These sheets may be in any form, such as flat, for producing smooth, flat walls, or in the form of common lap, or O. G. siding. The composition may also be molded into columns of any style, gulls, cornices, panels, etc. It may also be molded into bodies for toys of various kinds and for other such uses. This plaster lumber may be painted to advantage or stained as desired. It is fire-proof.

We preferably use old paper repulped. The swamp moss pulp is swamp moss manufactured into a pulp.

This repulped paper and swamp moss pulp can be used separately, that is 50% of the paper pulp can be mixed with the gypsum, or 50% of swamp moss pulp and 50% of gypsum.

These two ingredients, 25% of each, or each one separately in a quantity of 50% can be mixed with common slaked lime to make a still cheaper plaster for inside plastering.

Having now described our invention, that which we claim to be new and desire to procure by Letters Patent is:

1. The described composition including paper pulp and plaster and swamp moss pulp, said paper pulp being waste paper repulped.

2. A plaster composition consisting of moss and paper pulp and gypsum.

3. A plaster board composition consisting of a hard plaster 50 per cent., and paper pulp 25 per cent.

4. A plaster board composition consisting of hard plaster 50 per cent., paper pulp 25 per cent. and moss 25 per cent.

In testimony whereof we affix our signatures in the presence of two witnesses.

JOHN N. EHR.
WALTER J. EHR.
GUY W. MATTESON.

Witnesses:
J. W. LINDMARK,
H. D. COOPER.