

UNITED STATES PATENT OFFICE.

HAROLD L. HOLLISTER, OF WEST MINNEAPOLIS, MINNESOTA.

COMPOSITION BOARD AND PROCESS OF PRODUCING SAME.

No. 915,860.

Specification of Letters Patent.

Patented March 23, 1909.

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To all whom it may concern:

Be it known that I, HAROLD L. HOLLISTER, a citizen of the United States, residing at West Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Composition Boards and Processes of Producing Same; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object the production of a new and improved composition board or material, and also includes an improved process of making the same.

The improved product is made from finely ground straw, tar pitch, glue and molasses. I have produced a highly satisfactory product by the use of the materials above noted, in the following proportions, to-wit; ground straw, three-fourths; tar pitch, one-sixth; glue, one-twenty-fourth; and molasses one-twenty-fourth.

The improved process by which this product has in practice been produced is as follows: First, the straw is ground up; the glue and molasses are mixed and heated; and the ground straw is then thoroughly stirred into the same. Then the tar pitch is added and thoroughly commingled with the mixture of molasses, glue and straw. As the final step, the above mixture is spread out and pressed to shape or otherwise given the desired form, and is dried.

Composition material of this kind, when made into boards or thin strips, makes the most satisfactory building material, and is especially adapted for use as sheathing. It has a high insulating quality, and hence is adapted for use in making ice chests, fireless cookers, etc. Furthermore, this improved artificial board or material may be produced

at comparatively small cost. Also it has the further advantage that it is practically fire-proof. It will remain intact unless subjected to very high temperature. Even under extremely high temperatures it is an extremely slow burning material and must, in fact, melt before it will burn.

What I claim is:

1. As a new article of manufacture, a composition board composed of ground straw, tar pitch, glue and molasses.

2. As a new article of manufacture, a composition board composed of approximately three-fourths ground straw, one-sixth tar pitch, one-twenty-fourth glue and one-twenty-fourth molasses.

3. The process of producing composition board, which consists first in grinding straw; second, in heating glue and molasses and mixing the same; third, in stirring the ground straw into the mixture of glue and molasses; fourth, in stirring into the mixture tar pitch; and fifth, in giving the material the desired form and drying the same.

4. The process of producing composition board, which consists first in grinding straw; second, in heating glue and molasses and mixing the same; third, in stirring the ground straw into the mixture of glue and molasses; fourth, in stirring into the mixture tar pitch; and fifth, in giving the material the desired form and drying the same, the said materials being approximately in the proportion of three-fourths ground straw, one-sixth tar pitch, one-twenty-fourth glue, and one-twenty-fourth molasses.

In testimony whereof I affix my signature in presence of two witnesses.

HAROLD L. HOLLISTER.

Witnesses:

HARRY D. KILGORE,
MALIE HOEL.