

UNITED STATES PATENT OFFICE.

JOHN ROUSE, OF PORT GIBSON, NEW YORK.

IMPROVED ROOFING MATERIAL.

Specification forming part of Letters Patent No. 58,484, dated October 2, 1866.

To all whom it may concern:

Be it known that I, JOHN ROUSE, of Port Gibson, in the county of Ontario and State of New York, have invented a new and useful Improvement in Roofing; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to fully understand and make use of the same.

This invention relates to a tile produced of lime-and-sand mortar in suitable molds, which are lined with cloth or paper to prevent the mortar from adhering to the mold, so that the tiles, when dried, can be readily removed from the mold. Said tiles are made with beveled edges, whereby their removal from the molds is facilitated, and a joint is obtained which can be readily filled with mortar. The tiles thus prepared are saturated with coal-tar, asphaltum, or petroleum, or any other substance which fills the pores of the mortar and prevents it from absorbing any water when placed in a horizontal position, and consequently renders the tiles proof against frost.

In carrying out my invention I make molds of the proper size and thickness, with beveled edges. Then I prepare a mortar of sand and quicklime, and before introducing this mortar into the mold I line the same with a piece of cloth or with a sheet of paper, to prevent the mortar from adhering to the mold. I then fill the mold with mortar, and let it stand till dry. Then I remove the tile from the mold and satu-

rate it in coal-tar, asphaltum, or petroleum, and finally dry again, when the tile is ready for use.

In laying down my tile I make a mortar as above described, and spread a thin coat on the roof-boards. Then I place the tile the largest side down, thus producing a V-shaped joint between the adjoining tiles, which I fill with mortar made of coal-tar and sand.

By spreading the mortar on the roof-board a uniform bearing is given to the tile, and a roof is obtained which is cheap, durable, and perfectly tight, and by saturating the mortar used to fill the joints with coal-tar it remains soft and plastic for a long time, and the roof is free to expand and contract without getting leaky.

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

1. The within-described process of producing a tile by molding it from sand-and-lime mortar in molds lined with paper or cloth, and afterward saturating it with coal-tar, asphaltum, or petroleum, substantially as and for the purpose described.

2. A tile made of sand-and-lime mortar, with beveled edges, and saturated with coal-tar, asphaltum, or petroleum, as a new article of manufacture.

JOHN ROUSE.

Witnesses:

RUFUS REED,
WM. T. BARNEY.