

United States Patent Office.

DRAKE W. DENTON, OF ITHACA, NEW YORK.

Letters Patent No. 78,269, dated May 26, 1868.

IMPROVED ROOFING-COMPOUND.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DRAKE W. DENTON, of Ithaca, Tompkins county, New York, have invented an Improved Roofing; and I do hereby declare that the following is a full and exact description thereof.

My object is to make a roofing by the use of coal-tar, by the use of an article that has a greater natural affinity for the tar than ordinary materials, as sand, clay, gravel, and other similar substances; and also to avoid the inconvenience of the ordinary adhesiveness of the material in trowelling off, or finishing by the trowel, the surface of the roofing, thus getting a higher finished and more compact surface.

For this purpose I take any form of bituminous coal, and so heat it as to render it nearly or quite coke by any convenient process, and then pulverize it, so that it shall be either a fine dust, or dust with coarser particles, and then mix it with the coal-tar, so as to be of suitable consistency; and this, for the purpose that the semi-coked coal, or coke not over burned, may, in the drying and hardening, react chemically, or by its nature, on the tar and make a roofing, not merely enveloped substances in the tar, but which, tending to re-form coal, shall have a close and a permanent adhesion and unity.

If convenient, I use ordinary commercial coke, pulverized.

For the sake of a finished surface, I apply coal-ashes to or mixed with the surface, both for the surface thus obtained, and the handling of the trowel.

By these materials, and this process and use, I obtain a fine and a durable roofing.

The advantages and use of my invention are apparent to those skilled in the art to which it appertains.

Claims.

1. I claim preparing my roofing-material of the substances and substantially in the manner set forth.
2. I claim its use with coal-tar, as described.
3. I claim the use of coal-ashes, in combination with the described material, and in the manner set forth.

DRAKE W. DENTON.

Witnesses:

SAMUEL J. PARKER,
S. B. BEERS.