

UNITED STATES PATENT OFFICE.

GUSTAV H. PÖSCHEL, OF UNION HILL, NEW JERSEY.

ROOFING COMPOSITION.

SPECIFICATION forming part of Letters Patent No. 256,368, dated April 11, 1882.

Application filed February 27, 1882. (Specimens.)

To all whom it may concern:

Be it known that I, GUSTAV H. PÖSCHEL, a citizen of Germany, residing at Union Hill, in the county of Hudson and State of New Jersey, have invented new and useful Improvements in Roofing Compositions, of which the following is a specification.

This invention relates to a roofing composition made of a mixture of chalk, sulphur, asphalt, tar, and pitch.

In carrying out my invention I take chalk, about one-half pound; sulphur, about one pound; asphalt, about one pound; tar, about four pounds; pitch, about four pounds.

The asphalt is melted in a suitable vessel and the pitch and the tar are added thereto. The sulphur is melted in a separate vessel and intimately mixed with the asphalt, pitch, and tar, and finally the chalk is added in a finely pulverized condition and mixed intimately with the mass. When the mass has been thoroughly and uniformly mixed, and before it cools and solidifies, I take a stout sheet of paper and apply thereto a layer of the compound, and upon this layer I place a second sheet of paper, which is then also coated with a layer of my compound, and so on until five sheets of paper with four intermediate layers of the compound have been combined.

Of course the number of layers may be increased or diminished as occasion may dictate.

In applying my compound to a roof I prefer

to use the composition sheets above described; but my compound may also be directly applied and used for covering a roof.

The great advantages of my compound are that the same is impervious to moisture, it retains its elasticity, it does not crack by the changes in the temperature, neither does it become liquid when exposed to the action of the sun's rays, and my composition sheets accommodate themselves readily to all inequalities in the surface to which the same are applied.

By changing the proportion of asphalt the hardness of the compound can be accommodated for different climates.

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

1. A roofing composition made of a mixture of chalk, sulphur, asphalt, tar, and pitch, substantially in the manner herein described.

2. A compound roofing made of layers of paper alternating with layers of a mixture of chalk, sulphur, asphalt, tar, and pitch, substantially as set forth.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

GUSTAV H. PÖSCHEL. [L. S.]

Witnesses:

W. HAUFF,
HERMAN G. PÖSCHEL.