

M. EHRET, Jr.
ROOFING.

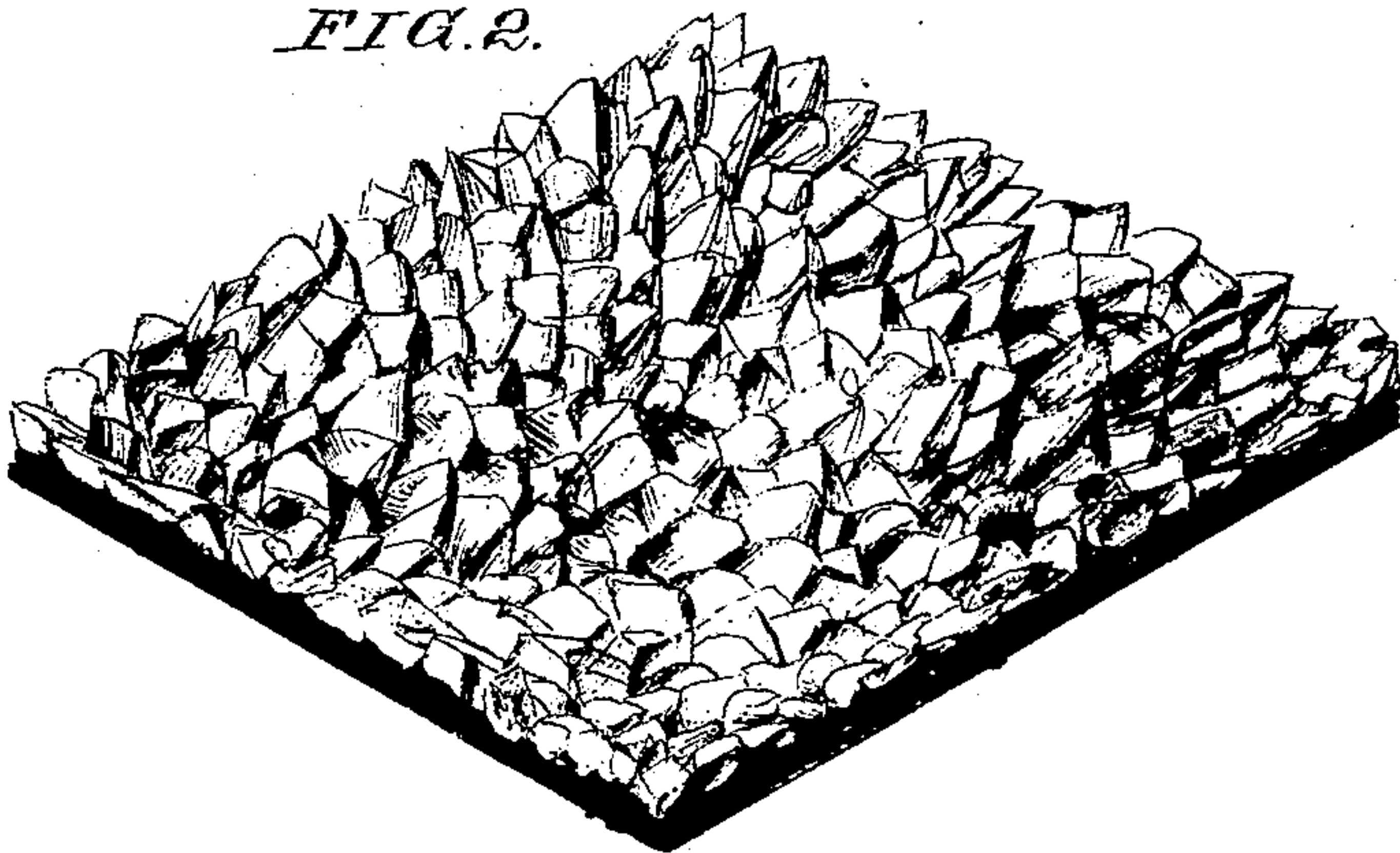
No. 81,078.

Patented Aug. 18, 1868.

FIG. 1.



FIG. 2.



Witnesses { *Wm. A. Steel.*
John Parker.

M. Ehret
By his Atty
J. H. Howson

United States Patent Office.

MICHAEL EHRET, JR., OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 81,078, dated August 18, 1868.

IMPROVED ROOFING.

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, MICHAEL EHRET, Jr., of Philadelphia, Pennsylvania, have invented an Improvement in Roofing; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists of roofing composed of granulated slag, scoria, or cinder applied to a cemented surface, as described hereafter; the said granulated material consisting of small angular pieces, which adhere to the cement-surface much more tenaciously than the ordinary round and smooth pebbles of a gravel roof.

In order to enable others skilled in the art to apply my invention, I will now proceed to describe the mode of carrying the same into effect, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is a sectional view of a portion of my improved roofing, and

Figure 2 a plan view.

In preparing my improved roofing, I use the ordinary coarse paper or felting, such as is used in gravel-roofing. This paper I cover as usual with boiled gas-tar, asphaltum, or other equivalent cement, but instead of spreading the usual gravel on the coated surface, I employ granulated slag, scoria, or cinder.

Ordinary gravel consists, for the most part, of nearly spherical pebbles, which can be readily extracted from the cement.

The slag or scoria (common refuse of furnaces) may be granulated by subjecting it to the action of rollers or stampers, the pieces in either case being of the angular form represented in the drawing, a form best adapted for retention by the cement.

The material, too, is, independent of the shape of the pieces, far better adapted for adhesion to the cement than smooth pebbles; so closely held are the pieces that they cannot be disturbed, even by walking on the roof; moreover, the roof is lighter than a pebble roof.

I claim as my invention, and desire to secure by Letters Patent—

Roofing consisting of granulated slag, scoria, or cinder applied to a cement-surface, as set forth.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

MICHAEL EHRET, JR.

Witnesses:

WM. A. STEEL,

C. B. PRICE.