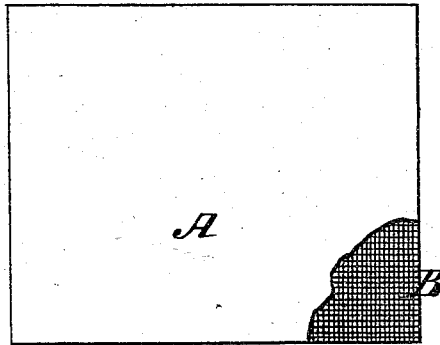


R. S. JENNINGS.  
Composite Roofings.

No. 143,697.

Patented Oct. 14, 1873.

*Fig. 1.*



*Fig. 2.*



Witnesses.  
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# UNITED STATES PATENT OFFICE.

RALPH S. JENNINGS, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN COMPOSITE ROOFINGS.

Specification forming part of Letters Patent No. **143,697**, dated October 14, 1873; application filed September 26, 1873.

*To all whom it may concern:*

Be it known that I, RALPH S. JENNINGS, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and valuable Improvement in Roofing; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my roofing. Fig. 2 is a sectional view of the same.

This invention relates to a new and improved flexible roofing, wherein I combine strength and durability with imperviousness to water. It consists in the employment of woven wire or wire-gauze as a body for the roofing, covered or coated on both sides with tarred paper, which is firmly united to the gauze, as will be hereinafter explained.

I take woven wire or wire-gauze as found in the market, having meshes of any required size, and cover it on both sides with paper which has been treated with asphaltum or other suitable water-proofing substance.

For the purpose of causing the paper to adhere firmly to the gauze, hot compressing-rollers may be used, and the sheets passed through them. This will warm the cement or asphaltum in and upon the paper, and cause it to firmly adhere to the gauze, while the pressure given to the sheets will firmly embed their surfaces into the meshes of the gauze, thus producing a compact water-proof roofing possessing great strength and durability.

In the annexed drawing; A A represent the tarred sheets of paper inclosing the wire-gauze B, the meshes of which may be quite large for the purpose of economy in the manufacture of the roofing.

Having described my invention, I claim as a new and improved article of manufacture—

A roofing or roof-covering composed of wire-gauze covered on both sides with tarred paper, as herein described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

RALPH S. JENNINGS.

Witnesses:

GEORGE E. UPHAM,  
E. H. BATES.