

L. PEIRCE.
Roofing.

No. 197,170.

Patented Nov. 13, 1877.

Fig. 1.

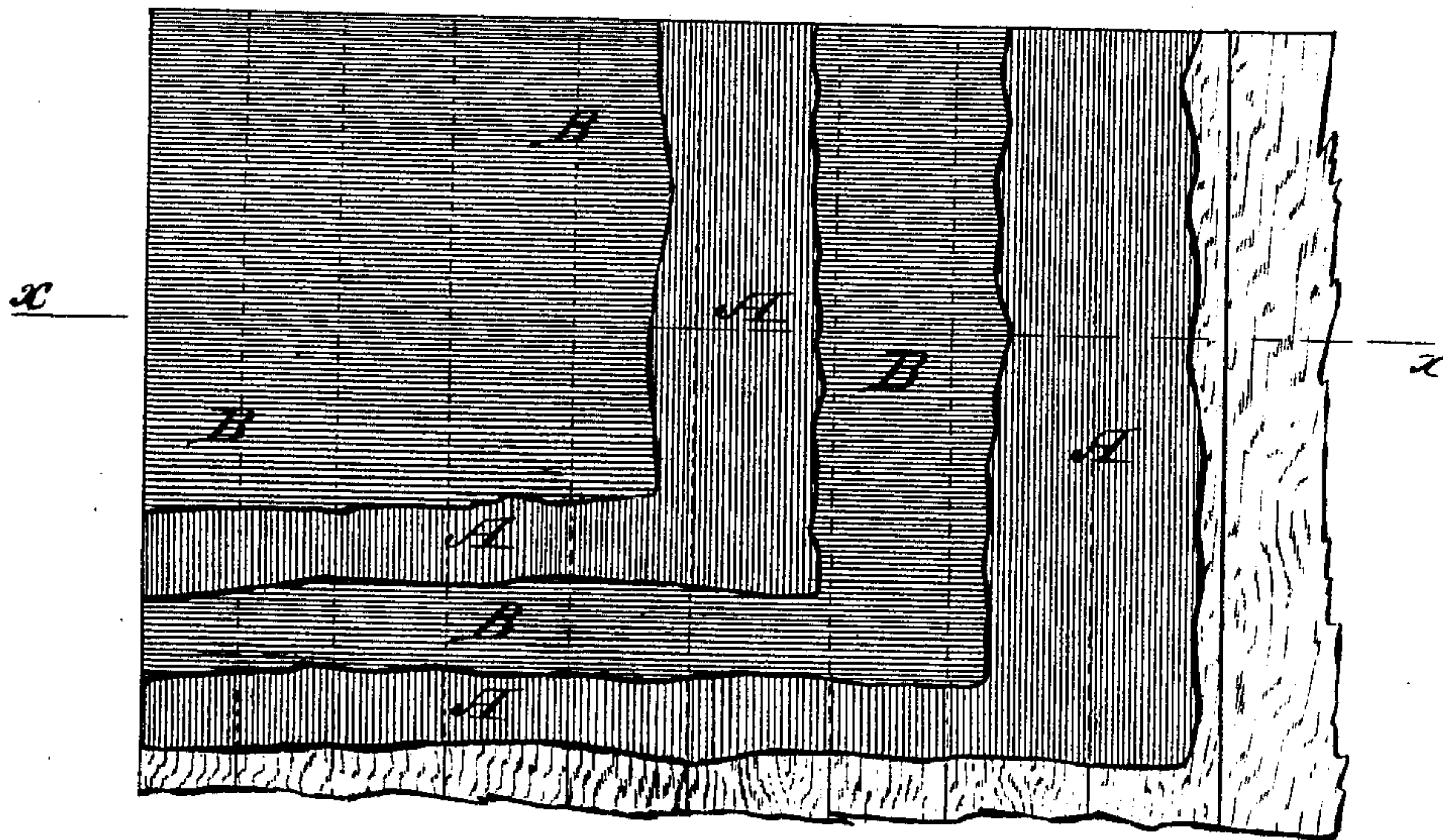
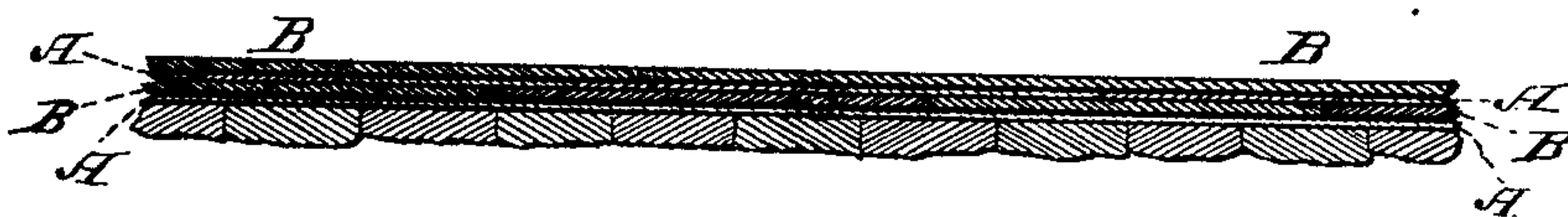


Fig. 2.



Witnesses.

P. Dietrich
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Inventor:

Lewis Peirce.

Per *C. H. Watson & Co* Attorneys.

UNITED STATES PATENT OFFICE.

LEWIS PEIRCE, OF SALEM, ASSIGNOR OF FOUR-TENTHS OF HIS RIGHT TO
GEORGE T. SHELDON, OF CHELMSFORD, MASSACHUSETTS.

IMPROVEMENT IN ROOFING.

Specification forming part of Letters Patent No. **197,170**, dated November 13, 1877; application filed
September 3, 1877.

To all whom it may concern:

Be it known that I, LEWIS PEIRCE, of Salem, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention is intended as an improvement upon the roofing for which Letters Patent No. 179,131 were granted to me June 27, 1876; and the nature of my invention consists in combining with the roofing therein described layers of paper, applied either on the roof or on the cloth when made or rolled up, as will be hereinafter more fully set forth.

In the annexed drawings, which fully illustrate my invention, Figure 1 is a plan view of a portion of a roof embodying my invention; and Fig. 2 is a vertical section thereof, taken on line *x x*, Fig. 1.

A represents a layer of dry or tar paper, which is rolled out on the roof. Over this is rolled out a layer, B, of cloth, prepared in the manner described in my former patent above referred to. This cloth B may be rolled out either the same way or at right angles with the paper A. On the top of this cloth layer B, I then roll a second layer, A, of dry or tar paper, either the same or at right angles with the first layer of paper A, the separate layers being tacked down to the roof. Over this second layer of paper I then roll a second layer of cloth, B, at right angles with the first cloth layer, or the same way, if desired.

The paper may be applied to the cloth when prepared and rolled up in the factory, so that

when laying the roofing one layer of paper and one of prepared cloth will be rolled out at the same time.

By the addition of the paper, as described, it makes a smooth surface on the roof, and covers all cracks or joints in the boards, and it fastens itself to the cloth, and prevents the heat from dissolving the composition on the cloth, and dripping through the cracks and holes that may be in the boards. It prevents all dripping on the under side, and helps to hold the composition firm to the thread or fiber of the cloth. The paper next to the boards obviates their shrinking and expanding, and the paper between the two layers of cloth absorbs equally from said two layers, and helps to strengthen both, as they do not draw so directly on each other when they contract. The cloth may be applied diagonally, if so desired.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a roofing composed of two or more layers of prepared cloth, or its equivalent, a layer of paper interposed between the layers of cloth, substantially as herein set forth.

2. In a roofing composed of two or more layers of prepared cloth, or its equivalent, a layer of paper interposed between the roof and the cloth, and another layer of paper interposed between the layers of cloth, as herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

LEWIS PEIRCE.

Witnesses:

G. L. STREETER,
M. W. SHEPARD.