

(No Model.)

W. CHADD.

WATER AND FIRE PROOF COMPOSITE ROOFING.

No. 383,101.

Patented May 22, 1888.

Fig 1

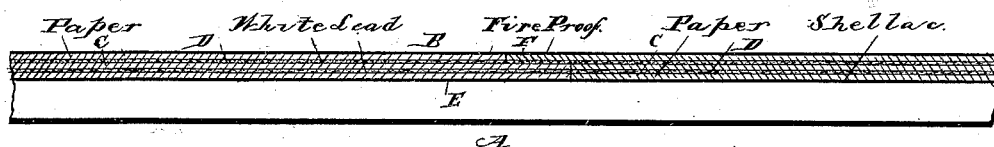


Fig 2.

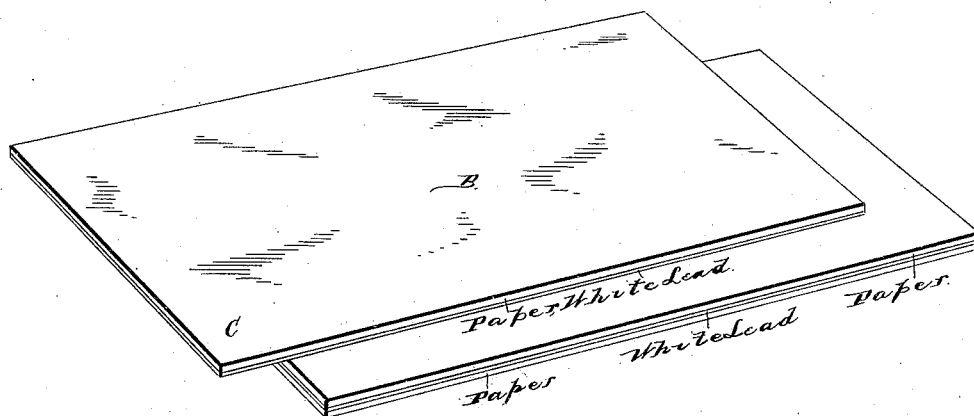
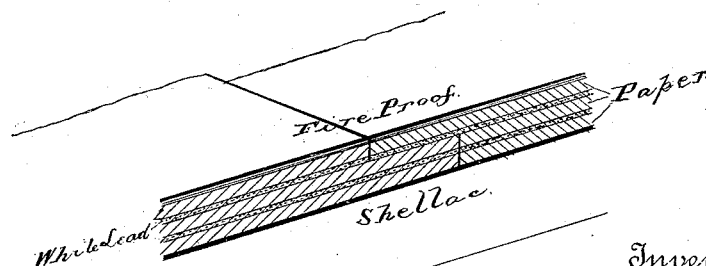


Fig 3.



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UNITED STATES PATENT OFFICE.

WILLIAM CHADD, OF WILKES-BARRÉ, PENNSYLVANIA.

WATER AND FIRE PROOF COMPOSITE ROOFING.

SPECIFICATION forming part of Letters Patent No. 383,101, dated May 22, 1888.

Application filed December 9, 1887. Serial No. 257,373. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CHADD, a citizen of the United States, residing at Wilkes-Barré, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Improvement in Water and Fire Proof Composite Roofing, of which the following is a specification.

My invention is an improvement in water-proof and fire-proof roofing and siding; and it consists in certain novel features, hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a sectional view showing the construction and application of my device. Fig. 2 is a detail perspective view of one of the sheets, and Fig. 3 is a detail enlarged view to show more clearly the lap-joint.

Referring to said drawings by letter, A designates a portion of the siding or base of the roof.

B designates my improved fire-proof and water-proof material, which is made in sheets of any desired size, and is constructed as follows: Two or more sheets of heavy water-proof paper, C, are secured together face to face by means of one or more coatings of white lead, D, of the proper consistency to securely join the said sheets of paper and harden into a compact mass. The compound sheet thus formed is secured to the siding or roofing A by means of a coating of shellac, as indicated at E in Fig. 1. The outer layer of paper of the

compound sheet is so arranged as to form the overlapping edges F, which permits the sheets to be placed together on a structure in a break-joint manner. The meeting edges of the sheets at the joints are smoothed over by a smoothing-tool, and the whole is then painted with a fire-proof compound.

It will be seen that I have provided a very simple compound material which can be manufactured at a slight cost, and is thoroughly water proof and fire-proof. In heavy hail and rain storms there will be no noise made on the roofing or siding by the hail or rain, as the material employed deadens and destroys all sound.

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

The improved roofing and siding herein described and shown, consisting of sheets formed of alternating layers of paper and white lead and provided with overlapping edges, a coating of shellac to secure the same to the base, and a fire-proof coating on the outer faces of the sheets, as specified.

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

WILLIAM CHADD.

Witnesses:

ERNEST S. HUNSON,
THOS. WHEELER.