No. 756,926. PATENTED APR. 12, 1904.

W. ZAISSER.

WALL FACING FOR DAMP PROOFING.

APPLICATION FILED DEC. 23, 1903.

NO MODEL.

Fig. 1.

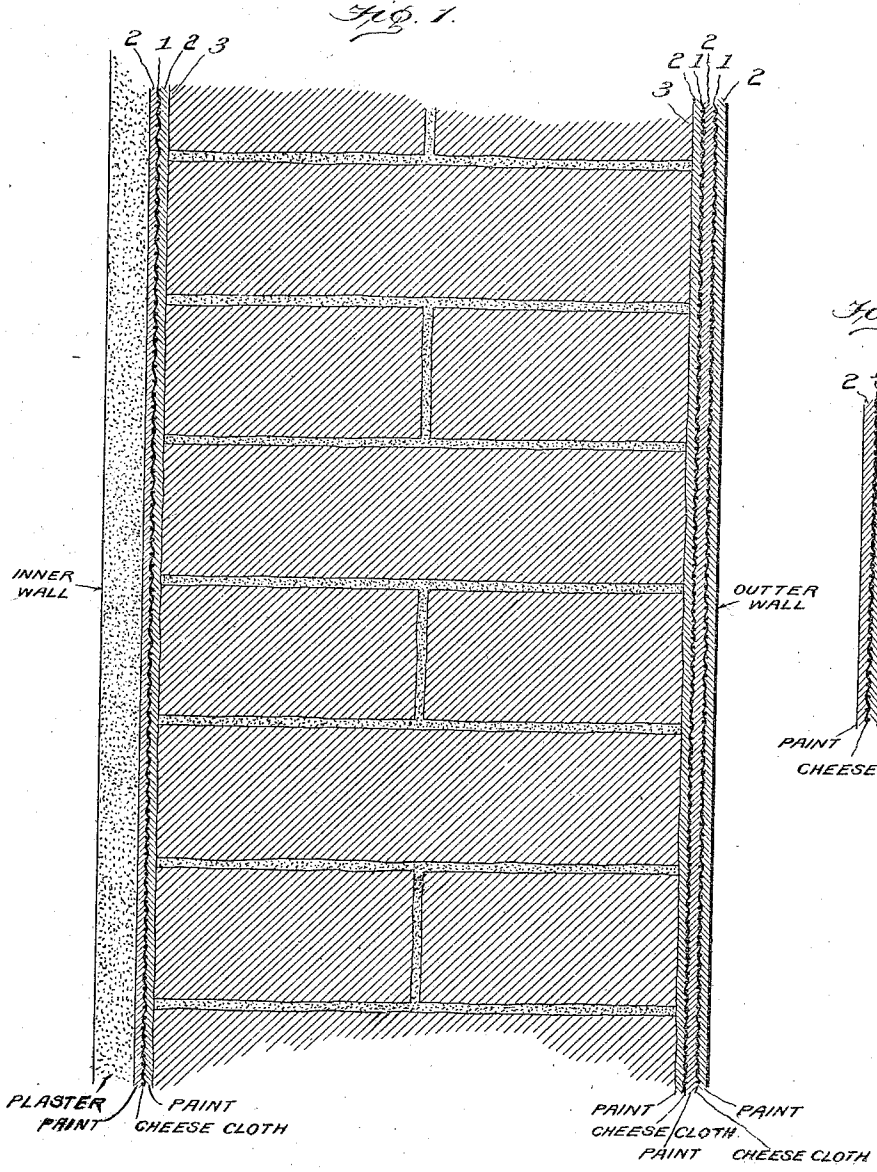


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM ZAISSER, OF NEW YORK, N. Y., ASSIGNOR TO UNIVERSAL COMPOUND COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

WALL-FACING FOR DAMPPROOFING.

SPECIFICATION forming part of Letters Patent No. 756,926, dated April 12, 1904.

Application filed December 23, 1903. Serial No. 186,347. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ZAISSER, a citizen of the United States, residing at 39 Courtlandt street, in the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Wall-Facing for Dampproofing; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention which forms the subject of this patent is directed to the production of a dampproofing film for the walls of buildings and like structures composed of cheese-cloth or similar light cloth flanked on both sides by a layer or coating of waterproof paint or composition, one of which layers is applied to the wall to be protected and serves as a wet backing having an adhesive function upon which the cheese-cloth or similar light cloth is mounted by a smoothing pressure, the other layer applied to the other side of the cheese-cloth as a finished facing or for forming the mounting for a plaster facing, whereby to protect interior surface decorations or wall-paper from discolorations and the room from dampness.

In the accompanying drawings, Figure 1 illustrates my new dampproofing film as a facing applied to a building-wall which is shown in vertical section. Fig. 2 shows in vertical section the dampproofing film as it would be produced in constructing it upon the wall and as being formed of cheese-cloth flanked on both sides by layers or coatings of waterproof paint or composition. The thickness of the waterproof coating is shown exaggerated.

The permeability of exposed walls and their mortar joints render them liable to dampness and the consequent discoloration of their interior surfaces and unhealthful to the occupants of the house, and to prevent this I provide for facing the wall with a film composed of one or more layers of cheese-cloth or similar light cloth 1, flanked on both sides by a layer or coating of waterproof paint or composition 2 2, one layer being applied to the rough surface of the wall 3 as a mounting for the cheese-cloth and the other layer of waterproof paint or composition applied as a finish to the other side of the cheese-cloth or as a mounting for a plastered wall. The function of the cheese-cloth is to increase the efficiency of the layers of composition in excluding moisture and to give toughness to the body forming the dampproofing film, because the liquid coating has a cotton fiber imparted to it on both sides of the cloth by reason of the interstices of the thin body. The cheese-cloth requires no fastening other than that made by the adhesiveness of the coating upon the wall to the wet paint, on which it adheres perfectly, and is so light that under a smoothing pressure in applying it all the inequalities in the rough brick surface will be filled, and the cloth will thereby form a durable bond for the plaster wall, and this, so far as I know and can find, is a new conception in the art of dampproofing exposed walls either inside or outside, because for such purpose it is quite different from the use of tar-paper, for the reason that such paper would not hold on a coating of waterproof paint or composition and the plaster would not hold on such paper, nor would such paper embody the impervious character of the paint and cloth fiber composing the film. Moreover, there is no absorbing function in the cotton film other than from the coating, which renders it impervious to moisture. The cloth is mounted by pressure in sheets upon the waterproof coating and remains intact, even if the wall settles or cracks or the joints open, and may be applied to any construction of plastered walls.

The dampproofing cotton film can be applied to the plastic facing of walls to prevent the chipping or breaking and gives a smooth surface that will shed water. For outside walls a second layer of cheese-cloth may be applied, each layer mounted upon an adhesive coating and the outer surface of the cloth film finished by waterproofing. The dampproofing cotton film may also be applied to iron structures, such as bridges, in the same way to prevent rusting and corrosion and to save expense of

painting, for the cheese-cloth can be smoothly pressed upon all the parts previously waterproof-coated and then finished with a waterproof coating. No expansion or contraction can impair the efficiency of the cotton dampproofing film.

I claim—

1. For dampproofing metallic surfaces the method herein described, which consists in providing the surface with a layer of adhesive waterproof composition, applying cheese-cloth to such coating under pressure and reinforcing the cheese-cloth with a finishing-coating of adhesive waterproof composition.

2. The method herein described of dampproofing plastered walls, which consists in coating the wall with an adhesive layer of waterproof composition, applying a facing of cheese-cloth under pressure to such coating, applying a coating of waterproof adhesive composition to the cheese-cloth and providing the latter with a finishing-facing of plaster.

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

WILLIAM ZAISSER.

Witnesses:
JOHN D. MASON,
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