April 2, 1929. M. S. DARROW 1,707,255

BUILDING CONSTRUCTION

Filed Sept. 21, 1925

FIG. I.

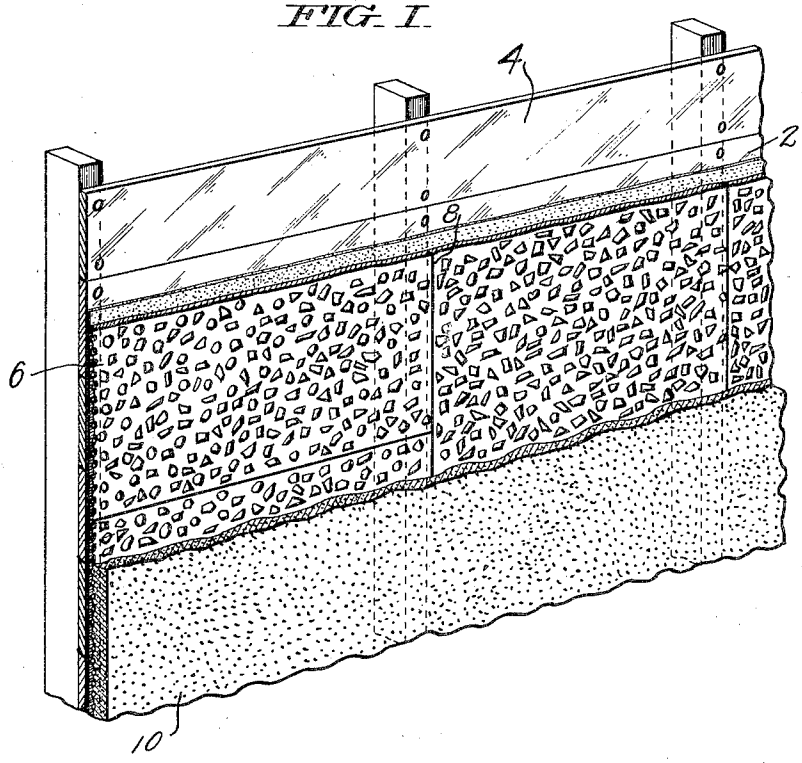
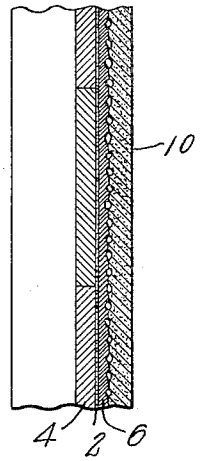



FIG. II.




WITNESSES

Thomas W. Kerr, Jr.

John A. Weidler

INVENTOR:

Marius S. Darrow,

BY Fraley & Paul

ATTORNEYS.

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# UNITED STATES PATENT OFFICE.

MARIUS S. DARROW, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE BARBER ASPHALT COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF WEST VIRGINIA.

## BUILDING CONSTRUCTION.

Application filed September 21, 1925. Serial No. 57,491.

My invention relates to building construction, and particularly to the application of flexible stucco base to the underlying wall structure. Flexible bituminous stucco base, such as described in U. S. Patent to Applegate, No. 1,138,069, is a material resembling mineral-surface bituminous roofing, and is made by saturating and coating bibulous paper or rag felt with hot, molten bitumen and embedding coarse mineral granules in the bitumen while it is still soft, so as to give the finished product a gritty surface or "tooth" adapted to hold plaster or stucco subsequently applied thereto. The invention may be employed for securing such flexible stucco base to the exterior walls of buildings and the like as well as to interior walls, including partitions, ceilings, etc., and may be applied in connection with structures of wood, brick, tile, concrete or concrete blocks. My invention is a material improvement over nailing such base to underlying structures, in that it prevents warping, buckling, or blistering of the base. Other advantages obtainable from the invention will appear hereinafter from my description of a selected and preferred embodiment.

In the drawings, Fig. I, is an elevation of a wall, illustrating the application of stucco base thereto in accordance with my invention.

Fig. II, shows a vertical section through the wall with the stucco base secured thereto.

In practicing the invention, an adhesive bituminous cement 2 is applied to the wall 4. A suitable cement for this purpose consists of asphalt or coal tar (fluxed or unfluxed) having a melting point of approximately 200° F. The bituminous cement is first melted at a suitable temperature, and then mopped or sprayed on the wall while still hot. Immediately after, before the cement thus applied has cooled, a layer 6 of the flexible stucco base is super-imposed on it, and firmly pressed home to insure satisfactory adhesion. The flexible base may conveniently be applied in the form of vertical strips, arranged edge to edge without overlapping as indicated at 8. In this way, the joints are cemented and closed by the bituminous cement oozing out between the edges of the strips, but without any thickness or bulk, which might interfere with the application of a smooth, thin coat of plaster or stucco shown at 10 to the base.

Having thus described my invention, I claim: —

A wall construction comprising a single thickness of flexible bituminous stucco base, provided with embedded coarse mineral granules to key the stucco layer, in strips arranged in butt joint relationship, and a foundation layer beneath, comprising a sheet of bituminous cementitious material capable of entering into the joints for sealing the same when the stucco base is applied.

In testimony whereof, I have hereunto signed my name at Madison, Illinois, this 14th day of September, 1925.

MARIUS S. DARROW.