

L. M. RADER.
PLASTER BOARD.
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907,876.

Patented Dec. 29, 1908.

Fig. 1.

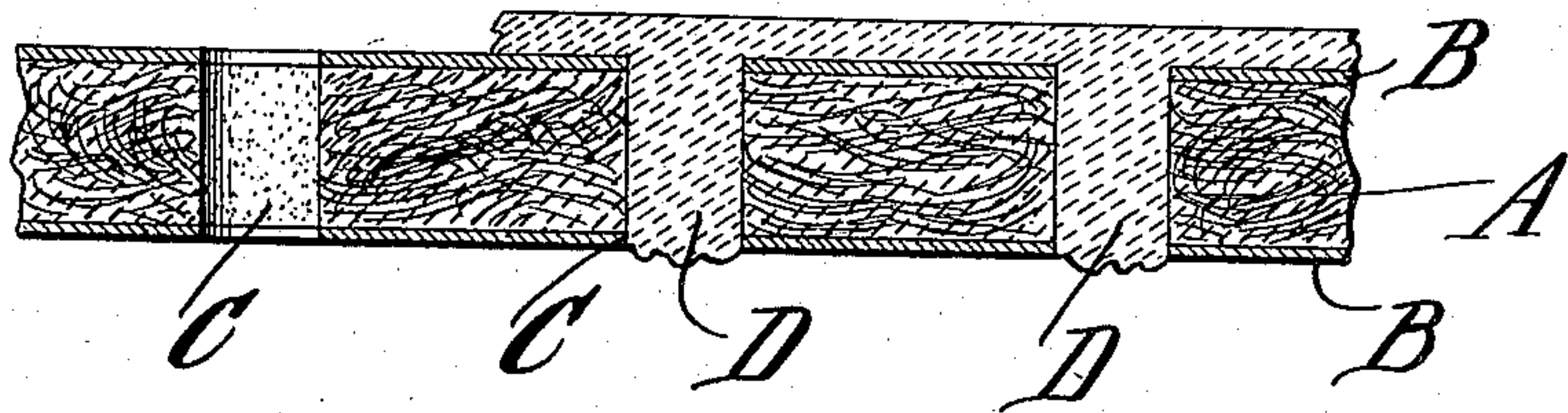
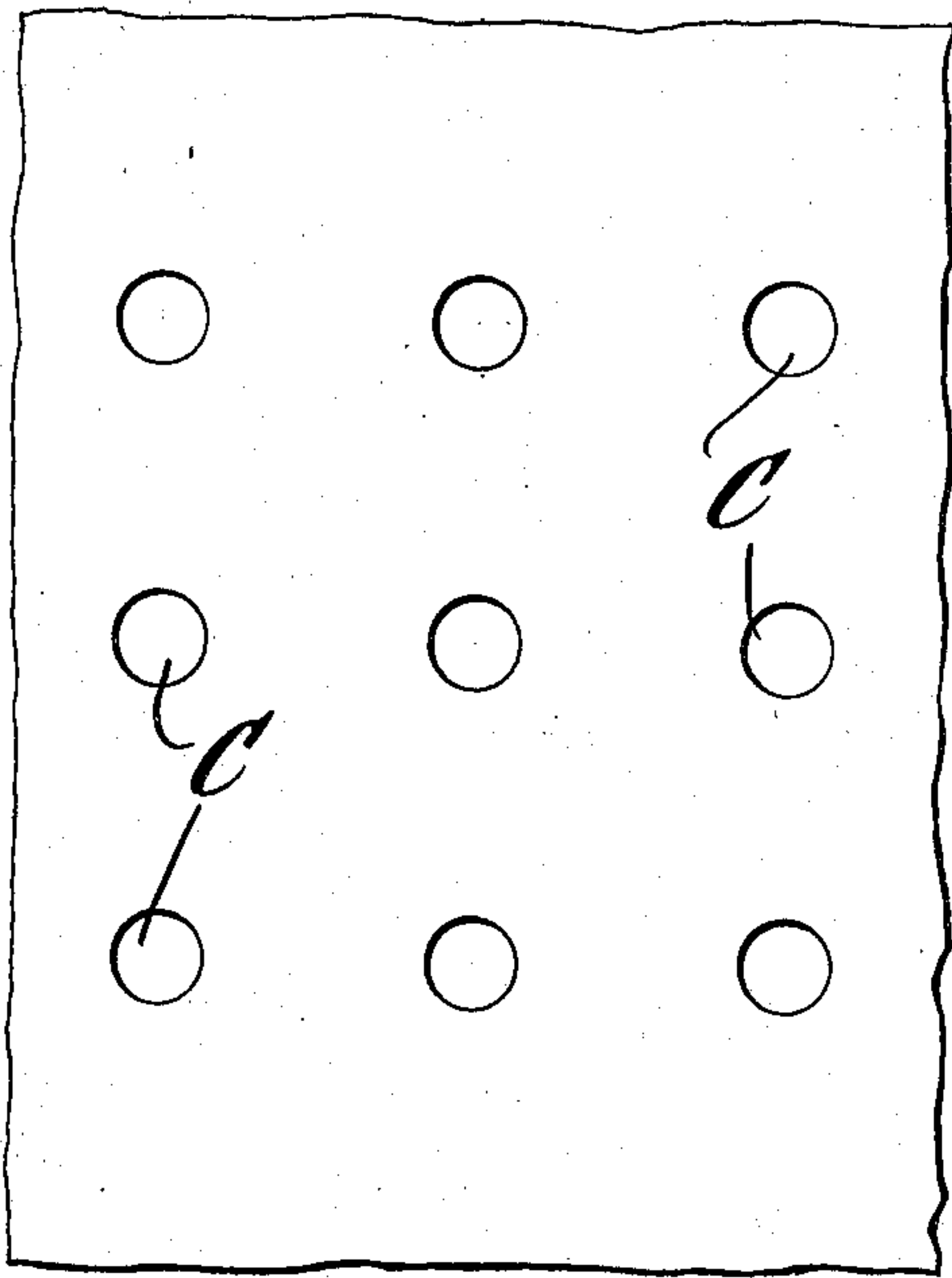


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

LOUISA M. RADER, OF UPPER MONTCLAIR, NEW JERSEY.

PLASTER-BOARD.

No. 907,876.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed February 6, 1908. Serial No. 414,598.

To all whom it may concern:

Be it known that I, LOUISA M. RADER, a citizen of the United States, residing at Upper Montclair, in the county of Essex and State of New Jersey, have invented a new and useful Plaster-Board, of which the following is a specification.

My invention relates to plaster boards, and consists of an improved form provided with suitable means for keying the finish thereto.

In the accompanying drawings, Figure 1 is a section through my board showing it in partly finished condition. Fig. 2 is a front view of a portion of my board.

Similar reference characters are employed to illustrate corresponding parts throughout the several figures of the drawings.

My board consists of central core A composed of plaster of paris or other like plastic material adapted to harden on setting, in which is embedded fibrous material of some sort, preferably cocoa fiber for the usual purposes of strengthening the board and giving cohesiveness thereto. The board is coated exteriorly with a sheet of paper B on each side thereof. It is obvious that any other material might be used for this coating, such as burlap, linen or the like, without affecting this arrangement. Through the board thus formed are a series of perforations C which I have here shown in the circular form, though any other cross sectional form might be equally well adapted for my purpose. The object of these perforations may be readily seen by reference to Fig. 1, where the partly finished board shows that the smooth coat applied to the surface forms projections extending into these perforations, as at D.

I am aware that other boards have been

manufactured having a fibrous material embedded in them with paper or the like on the outside, and I am, also, aware that metal plates have been used for plastering with perforations therethrough, but my invention presents marked differences over these, inasmuch as the plastic material used in the body thereof is of a similar nature to the finished surface and through that material being of like nature, I obtain a much more perfect key, as there is not only a mechanical key due to the holes receiving material, but there is, also, a mechanical key due to the ends of the fiber on the surface of the holes uniting with the finish, and there is a key obtained by the adhesion of one plastic surface to the other in these holes.

I claim:—

A plaster board formed of an initially plastic material combined with loose fibrous material and having a plurality of bonding perforations extending therethrough, surface material covering the opposite sides of the plastic board, coating material covering the surface material on one side of the board and extending through the bonding perforations, the fiber being exposed at the walls or perforations, thereby to form a mechanical bond with the coating material, the initial plastic material being also, exposed at the walls of the perforations so that it may adhere to the coating material.

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

LOUISA M. RADER.

Witnesses:

ROBT. M. HENING,
EDNA I. NEILL.