G. H. BALLENTINE.

Construction of Walls.

No. 167,973. Patented Sept. 21, 1875.

Fig. 1.

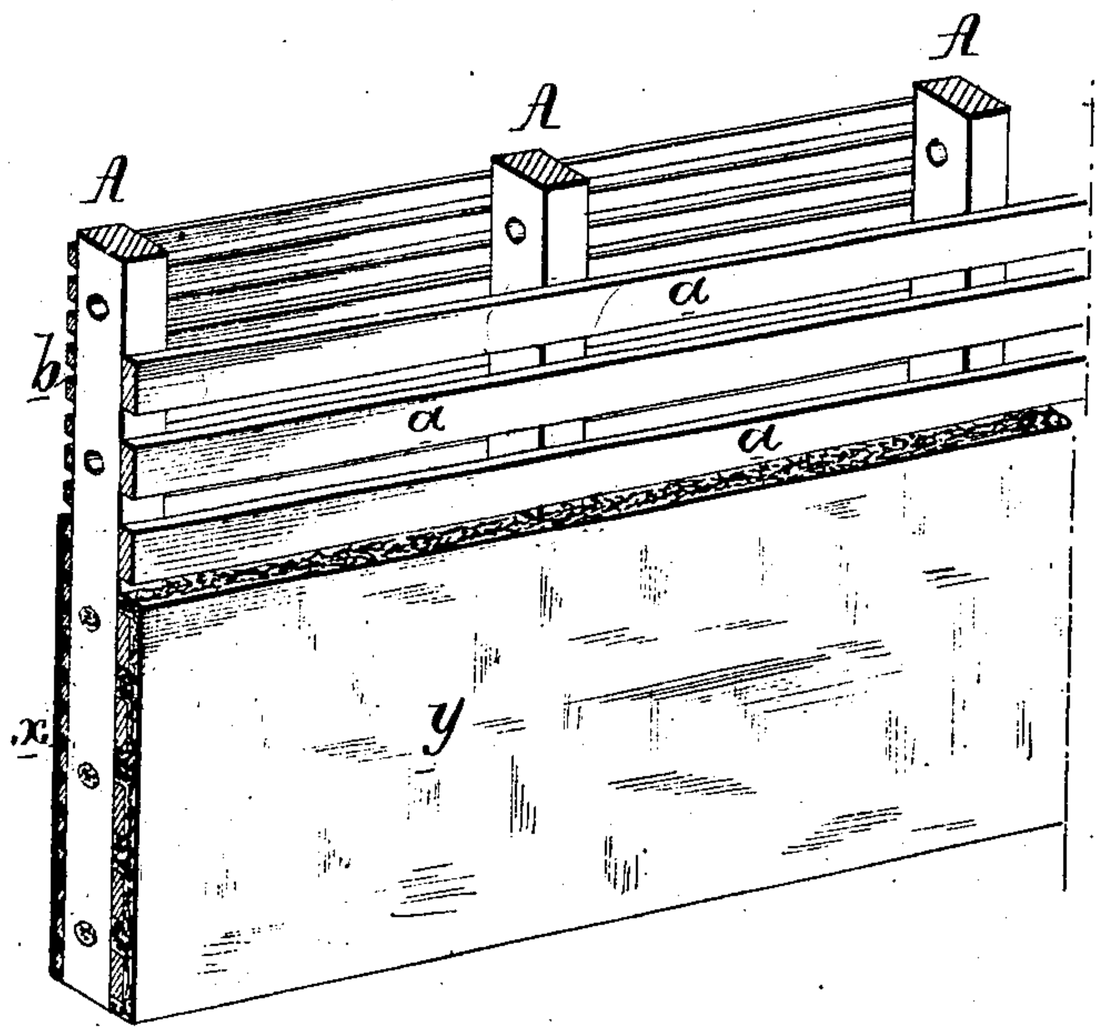
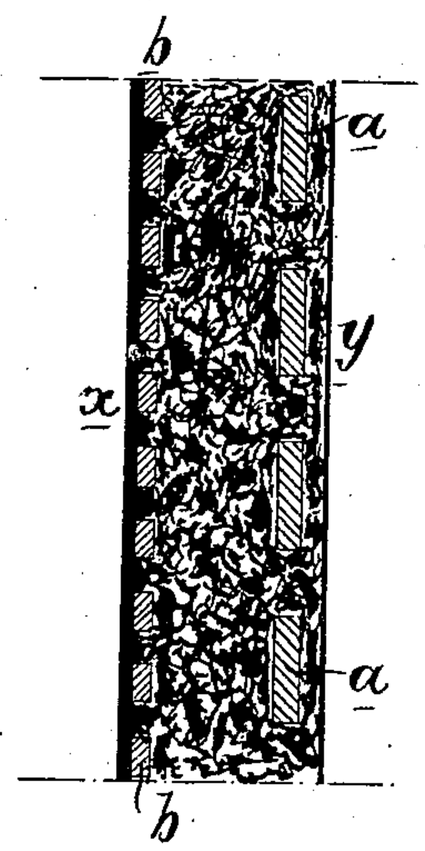


Fig. 2.



Witnesses,
Harry Smith
Hubert Howson

George H. Ballentine
by his Attorneys,
Howson and Sons

UNITED STATES PATENT OFFICE.

GEORGE H. BALLENTINE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO ELIZABETH BALLENTINE, OF SAME PLACE.

IMPROVEMENT IN THE CONSTRUCTION OF WALLS.

Specification forming part of Letters Patent No. **167,973**, dated September 21, 1875; application filed May 25, 1875.

To all whom it may concern:

Be it known that I, GEORGE H. BALLENTINE, of Philadelphia, Pennsylvania, have invented an Improvement in the Construction of Buildings, of which the following is a specification:

The object of my invention is to facilitate the construction of buildings in which a composition for artificial stone is used; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view, and Fig. 2 a vertical section, of part of a wall constructed according to my invention.

The manner in which I apply the composition in the formation of the walls of buildings is shown in the drawing, in which A A represent a series of vertical posts, to one side of which are attached a series of horizontal strips, *a*, and to the opposite side strips *b*. A skeleton frame for the entire building is constructed in this manner, and to the strips *b*, which are arranged upon the inside of the house, is then applied the plaster *x*, forming the side of a room, the space between the strips *a* and *b* being then filled in with the composition *y*, which is smoothed off upon the outside of the strips *a*, as shown in Fig. 2, and may be so marked as to represent blocks of stone. Openings may be made in the posts A, into which the composition will enter, thus serving to bind the whole more firmly together.

By building a skeleton frame of this character and applying to one side the plastering of the rooms, and to the opposite side the artificial-stone composition, the time consumed in construction is very materially reduced, while the frame supports the plastic composition and insures the firm and thorough hardening of the same.

A house of the character above described can be constructed at a less cost than a frame house, and will, when completed, be nearly fire-proof.

I claim as my invention—

The mode herein described of forming the walls of buildings—that is to say, by first constructing a frame with posts A and strips *b* and *a*, applying plaster to form the inner sides of the rooms, then filling the body of the frame with composition and smoothing the latter on the outer face, where it issues between the strips *a*, as specified.

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

GEO. H. BALLENTINE.

Witnesses:

HUBERT HOWSON,

HARRY SMITH.