

(No Model.)

A. G. CUMMINGS.
FIREPROOF PARTITION.

No. 552,423.

Patented Dec. 31, 1895.

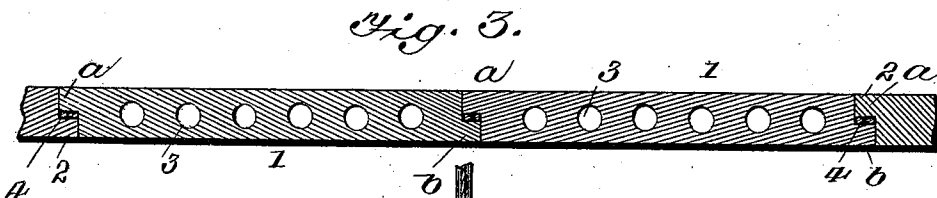
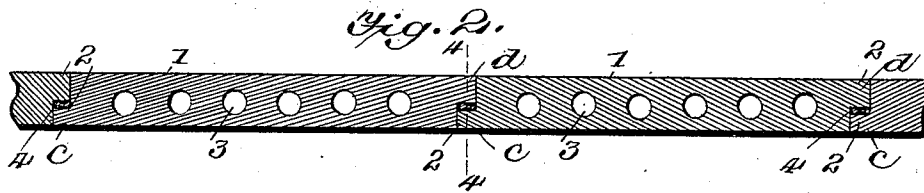
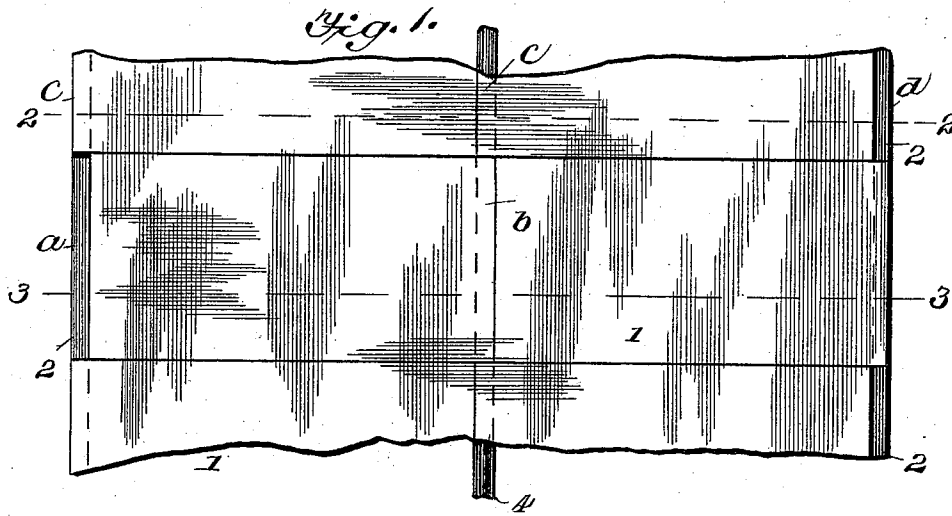
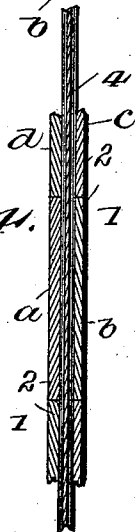


Fig. 4.



Witnesses
Simon Messer.
Frank Barry.

Inventor
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UNITED STATES PATENT OFFICE.

ARCHIBALD G. CUMMINGS, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO JAMES F. BISSELL, OF SAME PLACE.

FIREPROOF PARTITION.

SPECIFICATION forming part of Letters Patent No. 552,423, dated December 31, 1895.

Application filed October 5, 1895. Serial No. 564,762. (No model.)

To all whom it may concern:

Be it known that I, ARCHIBALD G. CUMMINGS, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Fireproof Partitions; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in fireproof constructions for partitions; and it consists in certain novel features and arrangement of parts, as will be hereinafter fully described and specifically pointed out.

In the annexed drawings, Figure 1 is a side view of my improved partition. Figs. 2 and 3 are sections on the lines 2 2 and 3 3 of Fig. 1, respectively, and Fig. 4 is a section on the line 4 4 of Fig. 2.

My improved partition is made up of a series of cement or terra-cotta tiles 1, having their opposite ends reduced forming flanges 2. The flanges at the opposite ends of each tile are arranged also at the opposite sides of the same. A series of openings 3 are arranged within each tile and extend in a vertical line so as to meet the next corresponding tile placed below and above, thus forming a complete means of ventilation. An iron stud 4 is placed between the meeting faces of the flanges against which the tiles rest and by which they are held.

When it is desired to construct my partition, a series of iron studs are placed along the line of the proposed partition and then a tile is put in place between two adjacent studs, the flanges *a* at one side being, for instance, outside of the center and the flanges *b* on the opposite end being on the inside. A second

tile is arranged alongside the first and so on along the entire length of the contemplated partition. A second row of tiles is now placed above the base row, but the end flanges of the same will be arranged on the opposite faces to the preceding row, as at *c d*, so as to form an alternate locking joint. By having the flanges so arranged they completely overlap each other and inclose the studding. If desired, cement may be placed between the flanges and the studs.

My improved partition, when finished, presents a neat appearance, and plaster, paint or paper may be put on the whole as required by the taste of the owner or builder. The tiles may be made of terra-cotta, cement or any other fireproof material. By alternately reversing the flanges, as shown and described, I am enabled to build a single vertical row of tiles between two posts without fear of the tiles falling from their positions.

The device is extremely simple in its construction and can be manufactured at a small cost.

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

In a fire-proof partition, the combination of a series of tiles each having flanges on its opposite ends arranged on its opposite sides, and overlapping the flange of the adjacent tile, a second series of tiles placed above the first series of tiles and having their flanges arranged reversely to the flanges of the first row so as to form a lock joint, and a series of studs between the meeting faces of the flanges.

In testimony whereof I affix my signature in presence of two witnesses.

ARCHIBALD G. CUMMINGS.

Witnesses:

GEO. W. MCQUEEN,
E. H. MOCHER.