

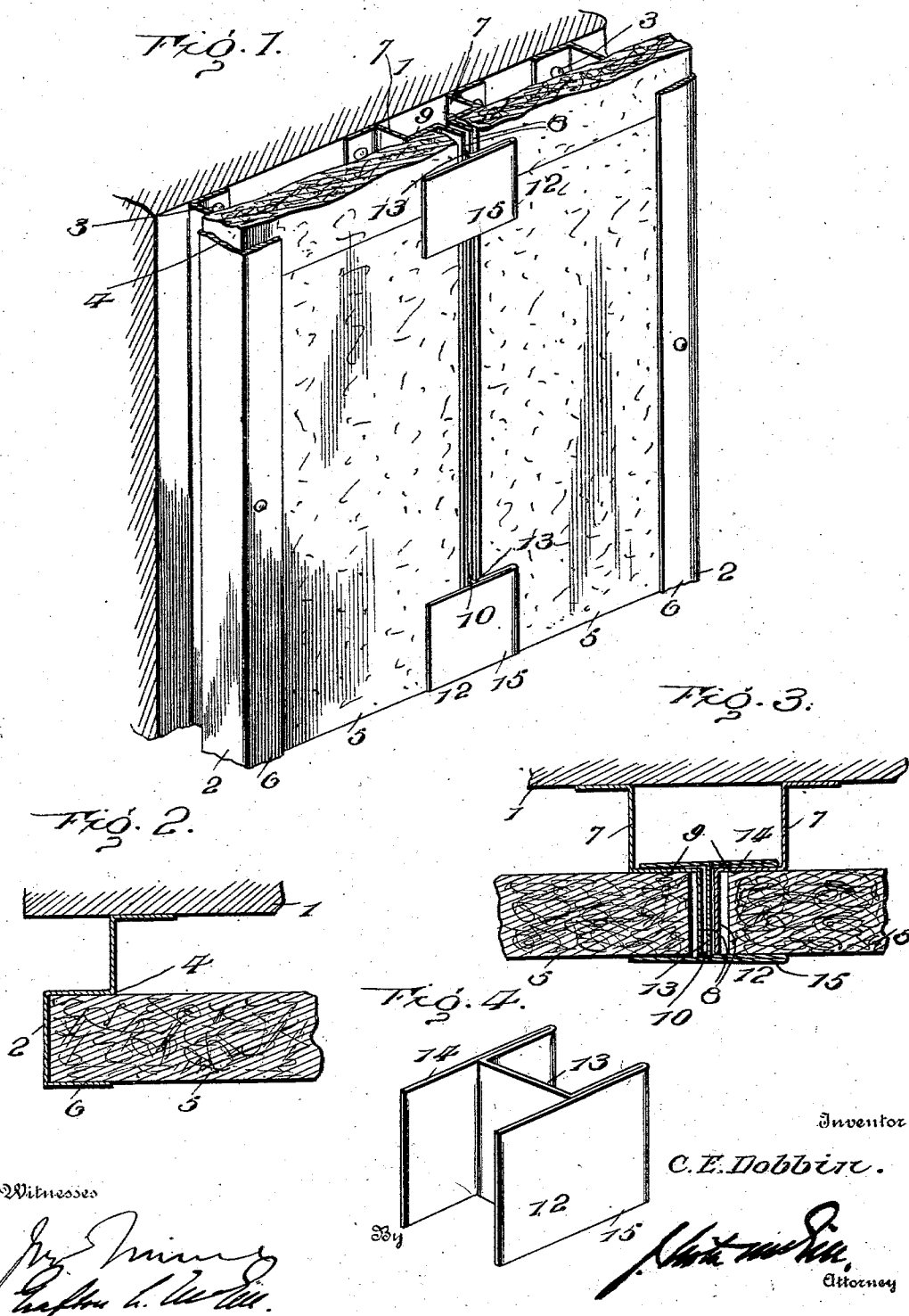
No. 752,530.

PATENTED FEB. 16, 1904.

C. E. DOBBIN.
WALL FURRING.

APPLICATION FILED DEC. 18, 1902.

NO MODEL.



UNITED STATES PATENT OFFICE.

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WALL-FURRING.

SPECIFICATION forming part of Letters Patent No. 752,530, dated February 16, 1904.

Application filed December 18, 1902. Serial No. 135,795. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE E. DOBBIN, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Wall-Furring; 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.

This invention relates to that class of fire-proof building construction employing metallic studs for supporting fireproof slabs to which the plaster is applied.

The object of the invention is to provide improved means arranged between adjacent slabs for supporting the latter, such means being readily movable in opposite directions to permit of easily placing the slabs in position.

The invention will be hereinafter fully set forth and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view. Fig. 2 is a sectional view of the end studs. Fig. 3 is a similar view of the studs between adjacent slabs. Fig. 4 is a view of one of the clips.

Referring to the drawings, 1 designates a building-wall of brick or other construction. 2 designates the metallic studs employed at either end of a section of furring. They are shown as consisting of a strip of metal secured to the wall 1, as at 3, and thence bent outwardly to provide an air-space between the wall and furring. The strips are grooved or channeled at 4 to form a seat for the slabs 5, the outer walls 6 lapping over the faces of the slabs.

7 designates the studs between adjacent slabs. They are secured to the building-wall in the same manner as studs 2, and are constructed similarly thereto, with the exception that they are not provided with the overlapping walls 6, the outer edges of the walls 8 of their seats 9 being about flush with the outer surfaces of the slabs. Adjacent studs are set back to back with an intervening space 10 between their parallel walls 8.

12 designates the clips or securing members

by which the slabs are secured to their seats on studs 7. These clips are of approximately I shape in cross-section, and are designed to be placed in position by inserting their central body portions 13 within the space 10 between inner studs 7. The inner lateral flanges 14 of each clip are held tight against the inner sides of seats 9, while the outer flanges 15 overlap the slabs and retain the latter in place. For convenience in construction clips 12 may be made of a single piece of metal bent into the desired shape, as shown in Fig. 4. The flanged portions, which project in opposite directions over adjacent slabs and against the back of their seats, have a spring action which insures their proper positioning and the retention of the slabs in place.

In constructing a wall or partition the studs are first secured in place. The side edges of the end slabs of a section are placed within the studs 2, and after their other edges are seated against studs 7 the clips 12 are moved into place to retain the slabs in position. As the positioning of adjacent slabs proceeds the clips may be moved back and forth as may be necessary, each clip serving for two slabs.

The advantages of my invention are apparent to those skilled in the art. In addition to the office performed by the clips in securing the longitudinal edges of adjacent slabs it will be noted that one of such clips may, by being only partially moved over the lower slabs, serve the same purpose for the slabs placed immediately next thereto.

I claim as my invention—

1. In a wall construction, the combination with slabs arranged in parallel series, of seats for such slabs, and clips normally engaging the seats at their inner ends and their outer ends engaging and holding the slabs to such seats, as set forth.

2. In a wall construction, the combination with slabs arranged in parallel series, of seats for such slabs, such seats of adjacent series of slabs having intervening spaces between them, and clips movable in such spaces, such clips having inner and outer lateral flanges, the inner flanges engaging the seats and the outer

flanges overlapping and engaging the slabs, as set forth.

3. In a wall construction, the combination with slabs arranged in parallel series, seats for
5 said slabs, such seats having outer straight walls, the walls of adjacent seats forming intervening spaces, and clips movable in such spaces having inner and outer flanges, the inner flanges engaging the seats and the outer
10 flanges overlapping and engaging the slabs, as set forth.

4. In a fireproof partition, the combination with the slabs, and studs having grooves or channels designed to accommodate said slabs
15 at one edge, of movable clips designed to secure the opposite edges of adjacent slabs, and means with which said clips engage for holding them in place, substantially as set forth.

5. In a fireproof partition, the combination
20 with the slabs, and studs having grooves or channels designed to accommodate said slabs at one edge, of studs intermediate the adjacent edges of such slabs having seats therefor, and movable clips engaging said latter
25 studs and overlapping such slabs, to bind them to their seats substantially as set forth.

6. In a fireproof partition, the combination with the slabs, and studs having grooves or channels designed to accommodate said slabs
30 at one edge, of studs intermediate the adjacent edges of such slabs having angular seats therefor, one wall of each of said seats being about flush with the outer face of such slabs, and clips, I shape in cross-section, designed

to have their central body portions accommodated between said walls, whereby their inner and outer lateral portions will engage said studs and slabs, respectively, substantially as set forth. 35

7. In a fireproof partition, the combination
40 with the slabs, and studs having grooves or channels designed to accommodate said slabs at one edge, of studs intermediate the adjacent edges of such slabs having seats therefor, and movable clips engaging said latter
45 studs and designed to support such slabs, such clips consisting each of a single piece of metal bent into I shape in cross-section, the inner and outer lateral flanges of said clips being designed to engage said studs and slabs, respectively, substantially as set forth. 50

8. In a fireproof partition, seats permanently secured to a wall or other support, slabs designed to be accommodated by such seats, and a clip designed to secure the adjacent
55 edges of such slabs to such seats, such clip being of approximately I shape with its connecting portion interposed between the slabs, its inner laterals being held by such seats and its outer laterals extended over the outer faces
60 of such slabs.

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

CLARENCE E. DOBBIN.

Witnesses:

SYLVESTER J. DEGAN,
ORIN P. GRAVES.