No. 723,483. PATENTED MAR. 24, 1903.

T. O'SHEA.

BUILDING CONSTRUCTION.

APPLICATION FILED JULY 5, 1902.

NO MODEL.

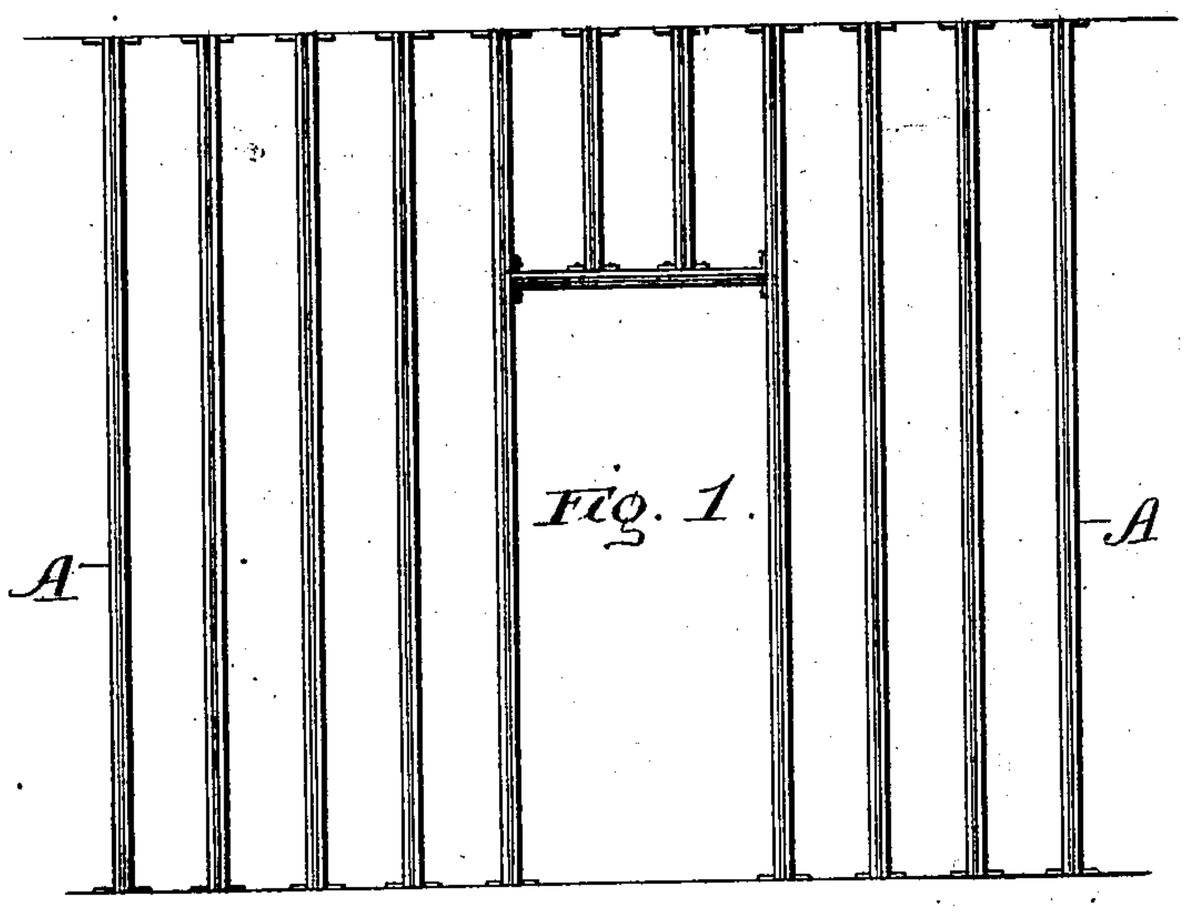



Fig. 1.

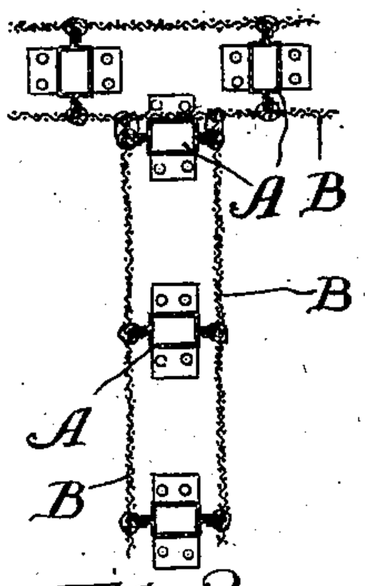



Fig. 2.

Fig. 3.

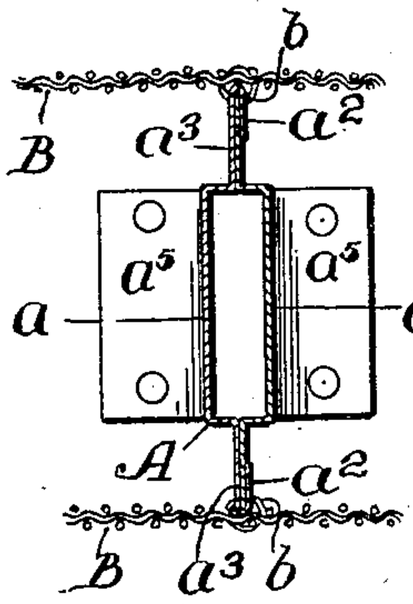



Fig. 4.

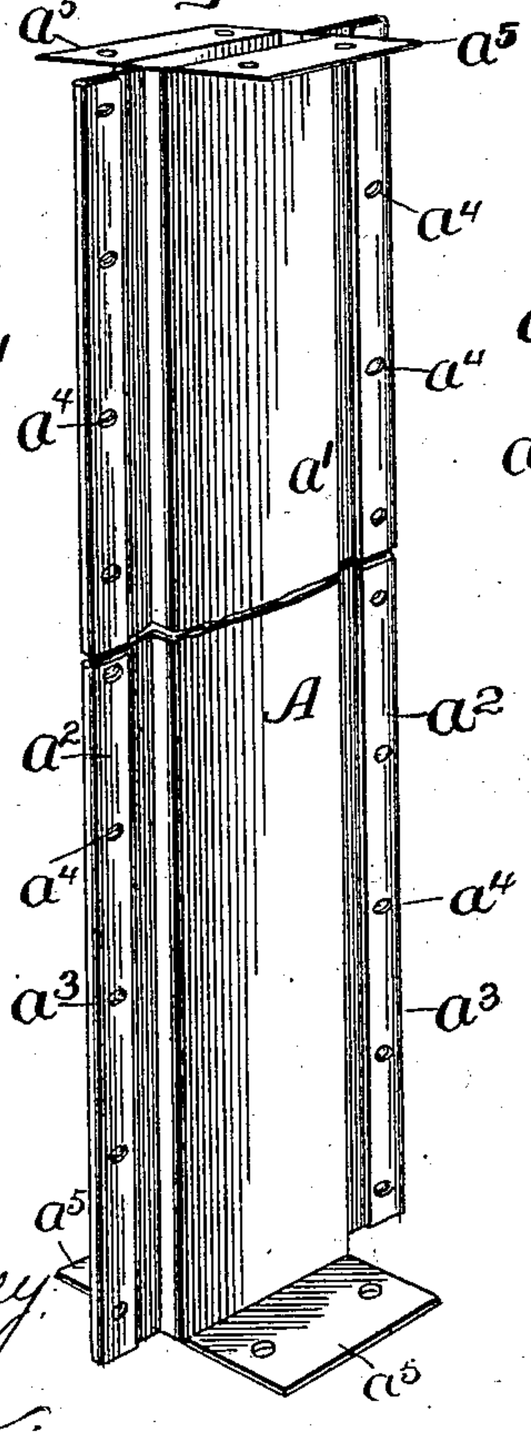



Fig. 5.

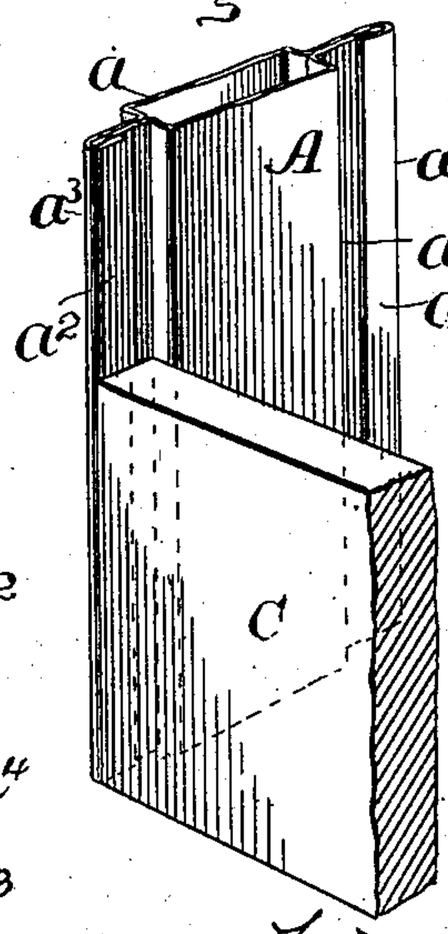
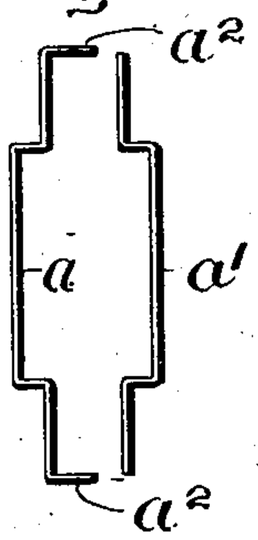



Fig. 6.

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# UNITED STATES PATENT OFFICE.

TIMOTHY O'SHEA, OF CHICAGO, ILLINOIS.

## BUILDING CONSTRUCTION.

SPECIFICATION forming part of Letters Patent No. 723,483, dated March 24, 1903.

Application filed July 5, 1902. Serial No. 114,332. (No model.)

*To all whom it may concern:*

Be it known that I, TIMOTHY O'SHEA, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Building Constructions, of which the following is a specification.

My invention relates to certain new and useful improvements in building constructions; and its object is to provide a device of this class for use preferably in interior walls or partitions which shall be light, perfectly fireproof, cheap, and easily assembled.

To these and certain minor ends my invention consists in certain novel features of construction fully illustrated in the accompanying drawings and described in this specification.

In the drawings, Figure 1 is an elevation of the studs of my improved wall or partition construction. Fig. 2 is a horizontal cross-section through a portion of the same, showing the lathing in place. Fig. 3 is an enlarged detail cross-section through one of the studs, showing the method of attaching the lathing. Fig. 4 is a perspective of one of the studs, the middle portion being broken away. Fig. 5 is a perspective of the bottom of one of the studs, showing the method of attaching the base-boards; and Fig. 6 is a detail end view showing the method of constructing the studs.

Referring to the drawings, A is a stud, taking the place of the ordinary wooden stud in common use. It is composed of two portions $a$ $a'$, Fig. 6, yoke-shaped in cross-section, the piece $a$ having two projections $a^2$, which are adapted to be folded over and around the edges of the piece $a'$. This construction is clearly shown in Figs. 3, 4, and 5. It will be noted that the resulting stud consists of a central hollow body and two laterally-projecting wings. These wings are designated by $a^3$ in the drawings. The wings $a^3$ are perforated at $a^4$, as shown, to receive the lathing. The studs are formed with flaps $a^5$ at the top and bottom, by which they are held in place. The method of erecting a wall of these studs is substantially like that used for erecting any other wall. Studs of the proper length are selected and the flaps $a^5$ are turned out. The studs are then nailed in place. When door-openings, such as that shown in Fig. 1, are to be constructed, the proper stud lengths are selected and the studs are riveted together, as shown. Metal lathing (represented by B) is attached, as shown in Fig. 3, binding-wires $b$ passing through the perforations $a^4$ in the projecting wings $a^3$ of the studs.

It will be noted that the laterally-projecting wings $a^3$, together with the hollow box of the stud, form a shoulder, and in this shoulder are placed, along the floor, strips C, Fig. 5, to which are attached the base-boards. The strips C may be secured to the studs in any desired way.

It will be observed that this construction is extremely simple and very readily assembled and has the additional advantage of being cheap. Inasmuch as no wood enters into it except the strips at the bottom, it is absolutely fireproof.

I realize that considerable change can be made in the details of this construction, and I do not desire to limit myself to the specific form shown.

I claim as new and desire to secure by Letters Patent—

1. In a device of the class described, the combination with an elongated metal member, yoke-shaped in cross-section, of a second similar member placed adjacent to said first member and projecting portions upon said second member brought down over the edges of said first member to connect said two members, whereby the stud having an enlarged central portion and laterally-projecting wings, is formed, substantially as described.

2. In a device of the class described, the combination with a stud having an enlarged central portion and lateral projecting wings, of suitable perforations in said wings, and suitable lathing connected to said studs by means of said perforations, substantially as described.

In witness whereof I have hereunto set my hand, at Chicago, in the county of Cook and State of Illinois, this 30th day of June, A. D. 1902.

TIMOTHY O'SHEA.

Witnesses:
J. P. MCCANN,
CHAS. O. SHERVEY.