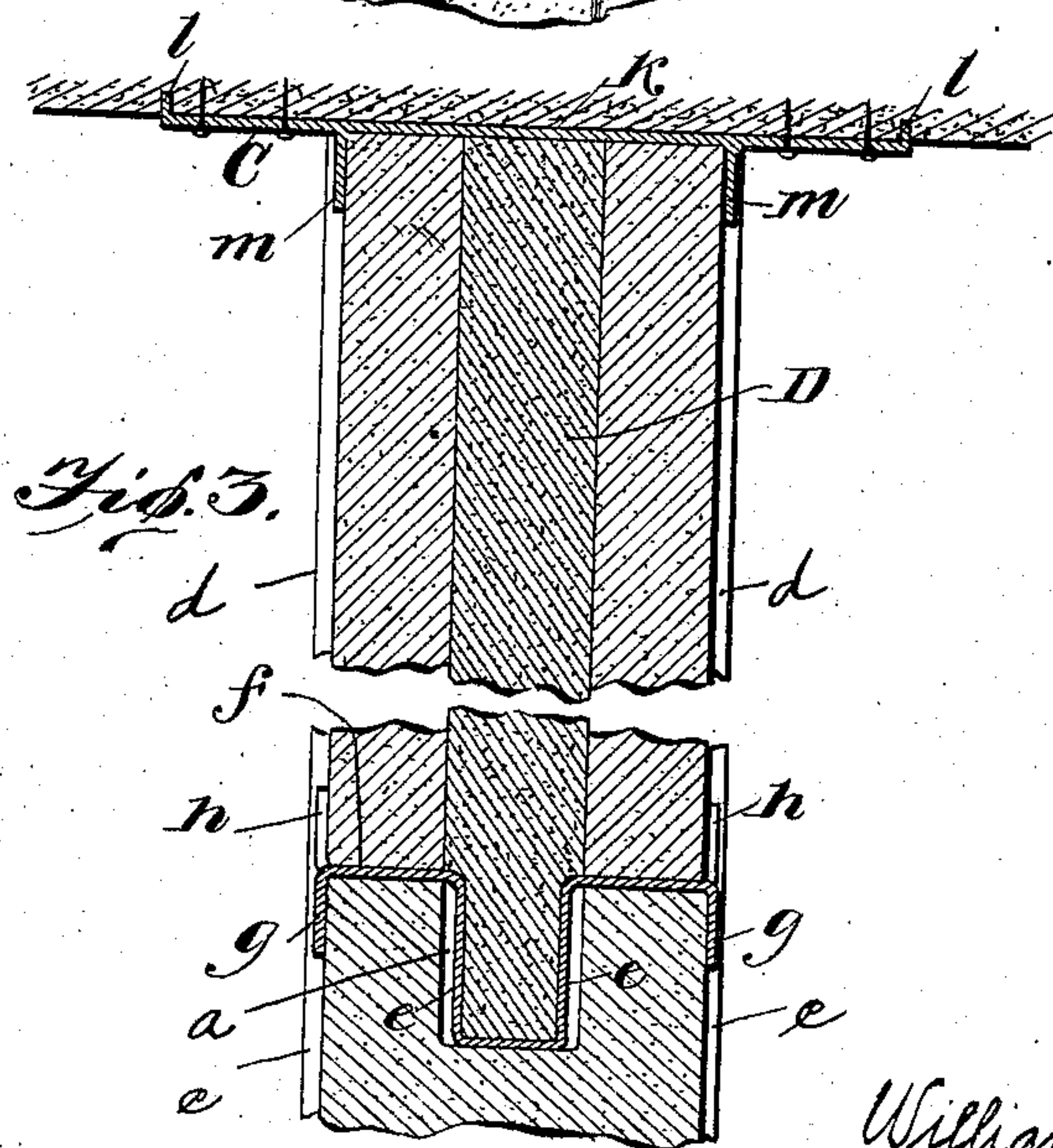
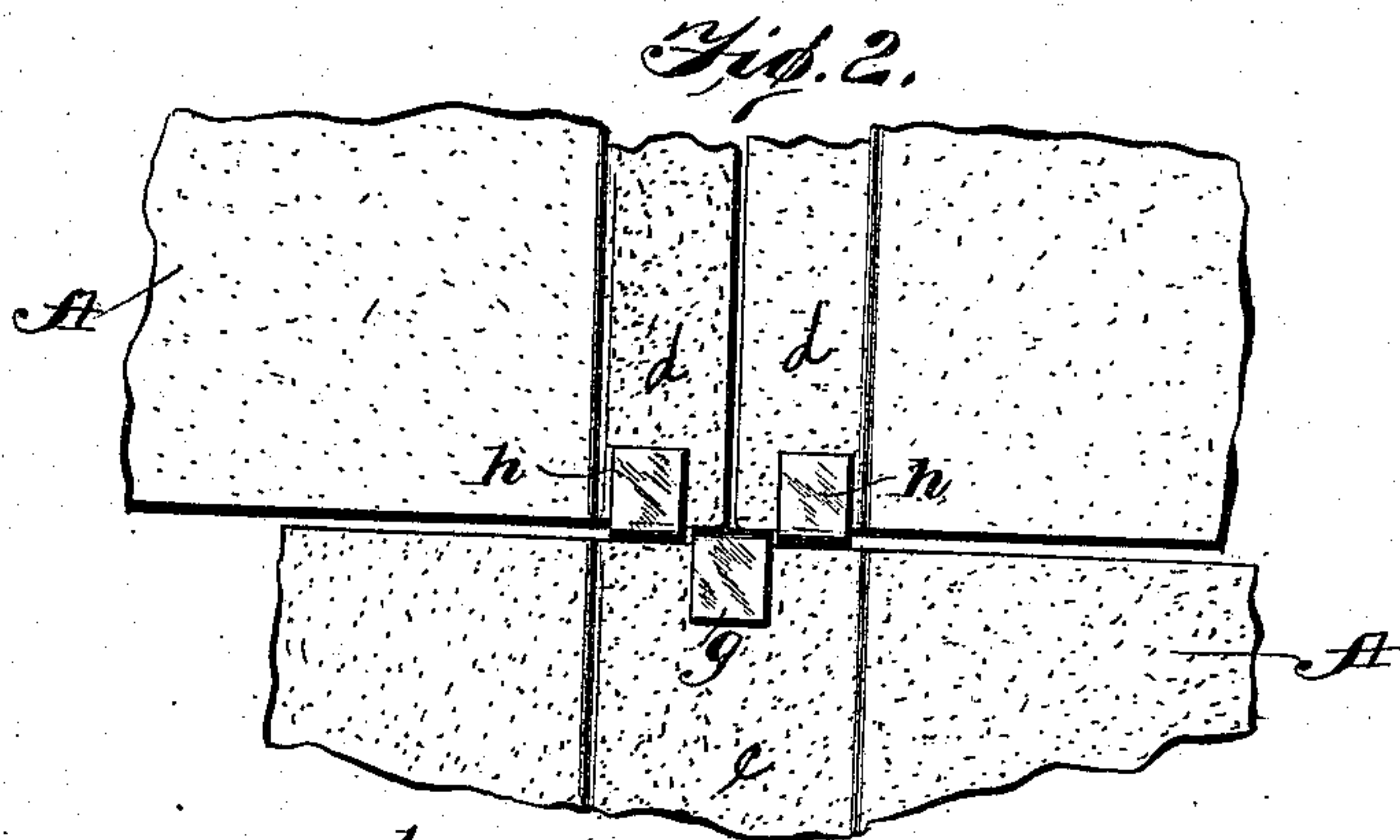
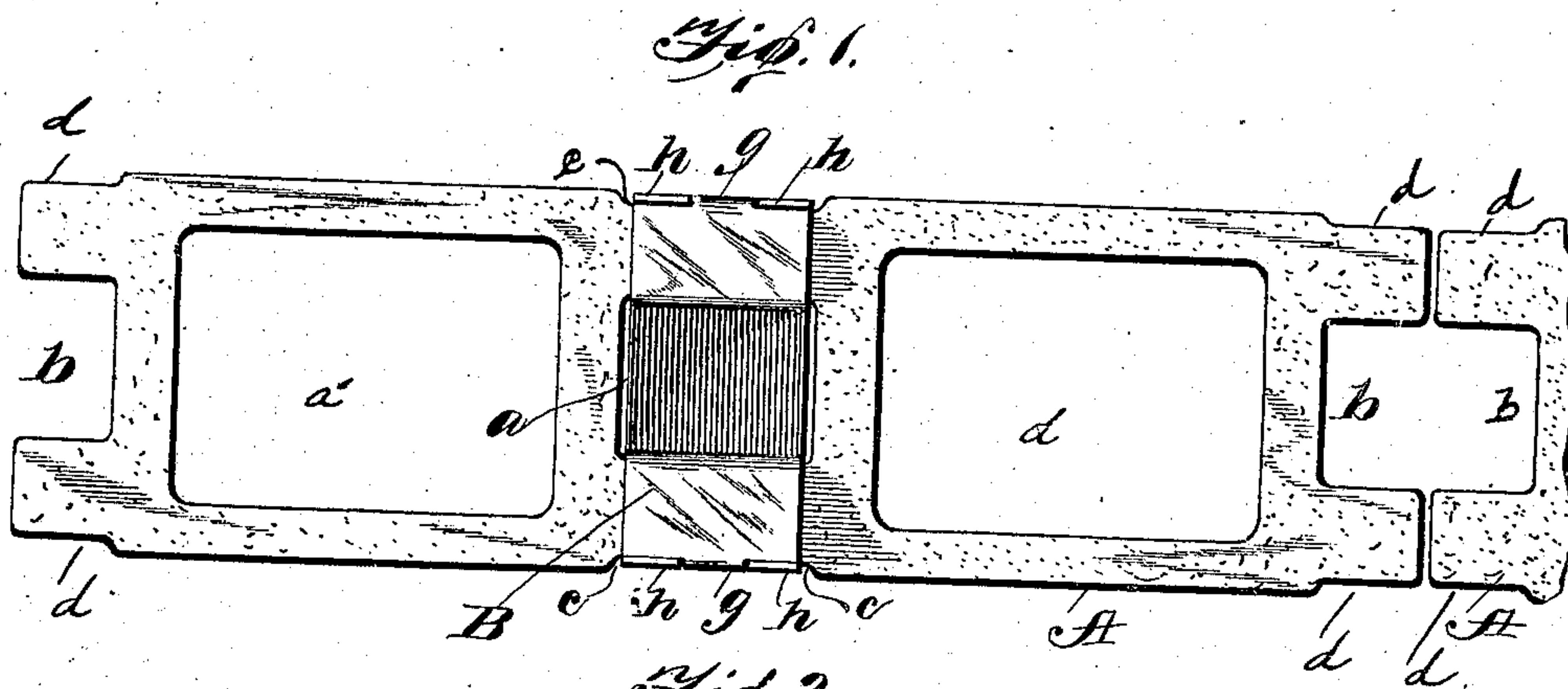


No. 855,047.

PATENTED MAY 28, 1907.

W. CURLETT.  
BUILDING BLOCK AND WALL.  
APPLICATION FILED SEPT. 25, 1906.



Witnesses  
*W. C. Wilson*  
*R. C. Healy*

Inventor  
*William Curlett.*  
By *James Shuckey*  
Attorney



# UNITED STATES PATENT OFFICE.

WILLIAM CURLETT, OF SAN FRANCISCO, CALIFORNIA.

## BUILDING BLOCK AND WALL.

No. 855,047.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed September 25, 1906. Serial No. 336,111.

*To all whom it may concern:*

Be it known that I, WILLIAM CURLETT, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Building Blocks and Walls, of which the following is a specification.

My invention relates to partition or other walls of hollow tiles or blocks; and it has for one of its objects to provide a partition or other wall in which the courses of hollow tiles or blocks are fastened together and held in alinement in a strong, rigid and durable manner.

Another object of the invention is the provision of improved means through the medium of which a partition wall may be expeditiously and securely connected to a floor, a ceiling or another wall.

Other advantageous features of my invention will be fully understood from the following description and claims when the same are read in connection with the accompanying drawings, forming part of this specification, in which:

Figure 1 is a view illustrating in top plan a course of building blocks or hollow tiles constructed in accordance with my invention, and showing the clip comprised in my invention as properly arranged relative to one of the blocks in order to hold the meeting ends of two blocks superposed on the block carrying the clip. Fig. 2 is a detail view in side elevation illustrating the clip, a portion of the lower block by which the clip is carried, and portions of the meeting ends of the two blocks superposed on the said lower block. Fig. 3 is a transverse section taken through the clip, and illustrating at its upper end the fixture through the medium of which the partition wall is connected to a ceiling.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which:

A A are hollow building blocks or tiles constructed in accordance with my invention. These blocks are identical in construction, and therefore a detailed description of the one shown at the left of Fig. 1 will suffice to impart a definite understanding of all. The said block, Fig. 1, is peculiar in that it is provided with a vertical central opening *a*, and hollow portions *a'* at opposite sides of the said central opening and in that it has vertical recesses or grooves *b* in its ends. It is

also peculiar in that its vertical sides are recessed at *c* in transverse alinement with the opening *a* and are also recessed at *d* in transverse alinement with the vertical grooves or recesses *b*.

B is the clip comprised in my improvements. The said clip is preferably, though not necessarily, formed of sheet-metal of appropriate thickness; and it has a central U-shaped depending portion *e*, horizontal arms *f* reaching outward from the U-shaped portion, wings *g* depending from the outer ends of the arms *f*, and wings *h* extending upward from the said outer ends of the arms *f*.

C is the fixture for connecting a wall constructed in accordance with my invention to a ceiling. The said fixture C is preferably, though not essentially, formed of cast-metal, and it comprises a body portion *k* adapted to be connected to a ceiling through the medium of nails or wires or by having its ends *l* turned into the ceiling, in the discretion of the person practicing my invention, and wings *m* depending from and disposed at right angles to the body *k*.

D is a core of concrete or other plastic material. This core has to do with holding the blocks of the wall against lateral or endwise movement with respect to each other, and will be hereinafter referred to in detail.

In the building of my novel wall, a block A is arranged at the point desired, and the clip B is positioned on said block so that its U-shaped portion *e* depends in the central opening *a* of the block, its arms *f* rest on the upper edge of the block, and its wings *g* depend at opposite sides of the block at points within the vertical recesses *c*. Two blocks A are then superposed on the first mentioned block A with their ends disposed adjacent to each other above the clip B, and between the upwardly extending wings *h*, this in order that the meeting recesses *b* of the superposed blocks will form a space above and in vertical alinement with the opening *a* in the lower block. The core D is then placed in a plastic state in the said space between the superposed blocks and in the central opening *a* of the lower block and on the depending portion *e* of the clip B. With the parts thus arranged relative to each other it will be observed that the wings *g* and *h* of the clip will hold the blocks against lateral movement with respect to each other, while the core D will lock the ends of the superposed blocks together, and the lower portion of the said



core will by depending into the opening *a* of the lower block and resting on the depending portion *e* of the clip B, form a dowel calculated to strongly lock the superposed blocks to the lower block. This manner of relatively arranging and connecting the blocks together is continued throughout the height and length of the wall, and the result will obviously be a strong and rigid wall capable of withstanding considerable lateral strain and pressure. It will also be apparent that in virtue of the construction described, the wall may be expeditiously constructed with but a minimum amount of labor, which is an important desideratum.

The fixture C as illustrated has to do with connecting the wall to a ceiling, but it will be readily understood that similar fixtures may be employed in fixing the wall relative to another upright wall or to a floor. In the latter case the fixture is preferably connected to the floor by embedding the end portions of the fixture body in the floor.

The construction shown and described constitutes the preferred embodiment of my invention, but I desire it understood that in practice such changes in the form, construction and relative arrangement of parts may be made as fairly fall within the scope of my invention as claimed.

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

1. As an article of manufacture, a clip for the purpose described comprising a depending portion, arms reaching outward from the upper part of said depending portion, wings extending downward from the arms, and other wings extending upward from said arms.

2. A building block having a vertical central opening *a*, vertical grooves *b* in its ends, vertical recesses *c* in its vertical sides extending throughout its height and arranged in the same transverse plane as the vertical central opening *a*, and vertical recesses *d* in the end portions of its vertical sides extending throughout its height and arranged in the same transverse planes as the vertical grooves *b*.

3. As an article of manufacture, a clip for the purpose described comprising a depending U-shaped portion, arms reaching outward from the ends of said portion, wings extending downward from the arms, and other wings extending upward on said arms.

4. A wall comprising a block having a ver-

tical opening, a block superposed on the first mentioned block and having a vertical opening registered with the opening thereof, a clip interposed between the blocks and having a depending portion resting in the vertical opening of the first mentioned block and provided at its lower end with a cross-bar, and a core resting in the vertical openings of the blocks and supported by the cross-bar of the depending portion of the clip and forming a dowel.

5. A wall comprising a block having a vertical opening, a clip having a U-shaped portion depending into said opening and also having arms resting on the block and wings reaching up and down on the arms, a block superposed on the first mentioned block and having a vertical opening alined with that of said first mentioned block, and a core resting in said alined openings and on the depending portion of the clip.

6. A wall comprising blocks each of which has a vertical opening at an intermediate point of its length and vertical grooves or recesses in its ends; the said blocks being arranged with the meeting ends of two blocks above the intermediate opening of a lower block, a clip having a depending U-shaped portion resting in the intermediate opening of the lower block and also having arms interposed between the lower and upper blocks, and upwardly and downwardly extending wings carried by the arms and resting at the sides of the blocks, and a core of plastic material occupying the space between the ends of the upper blocks and extending down into the intermediate opening of the lower block and bearing on the depending portion of the clip.

7. A wall comprising a block having a vertical opening, a clip having a depending portion resting in said opening and also having arms resting on the block and wings reaching upward and downward from the arms; a block superposed on the first mentioned block and having a vertical opening alined with that of said first mentioned block, and a core resting in said alined openings and on the depending portion of the clip.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM CURLETT.

Witnesses:

ALECK E. CURLETT,  
KEITH K. DEANE.