

No. 812,727.

PATENTED FEB. 13, 1906.

J. S. CULLEY.
BUILDING CONSTRUCTION.
APPLICATION FILED APR. 27, 1905.

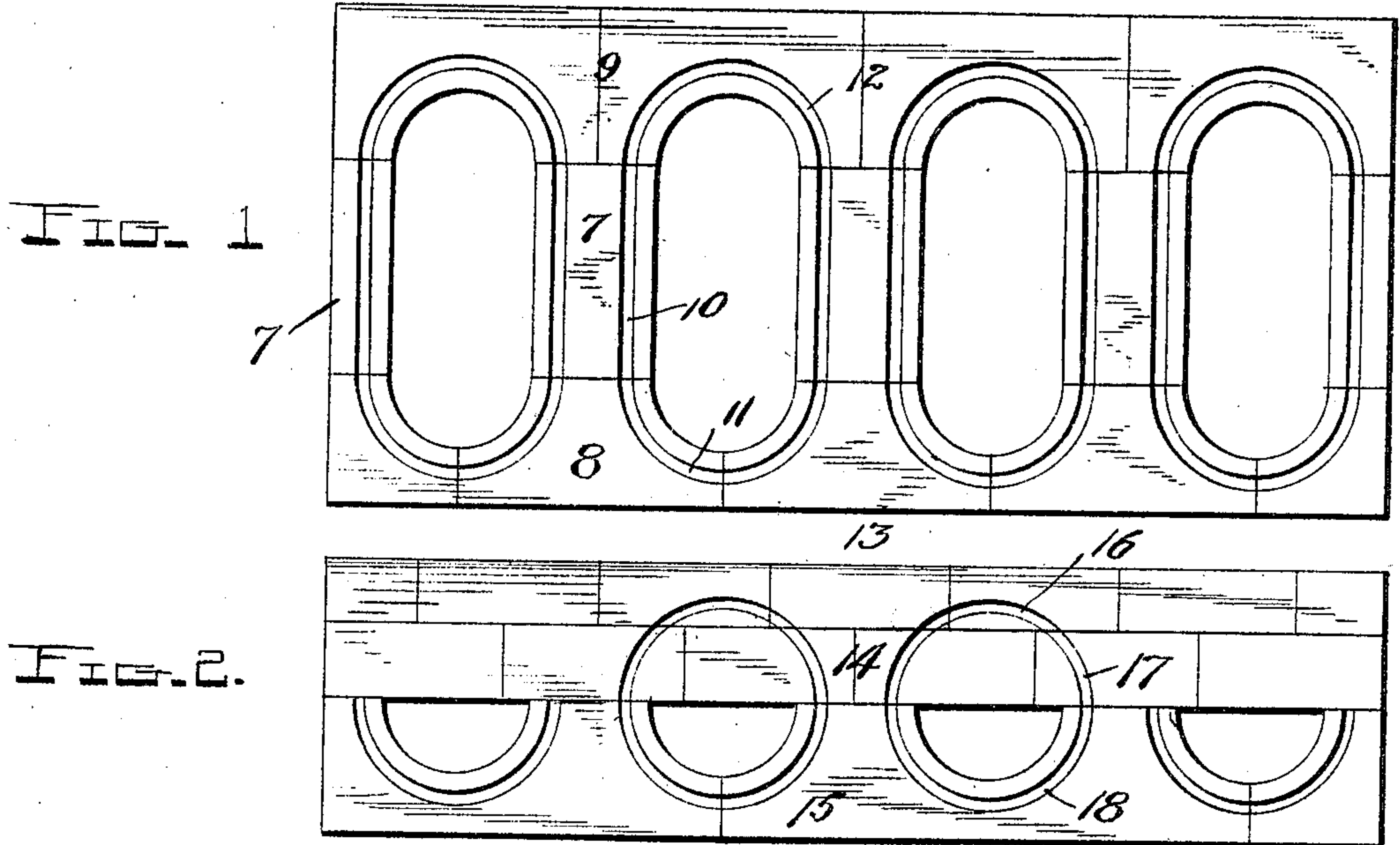


FIG. 4.

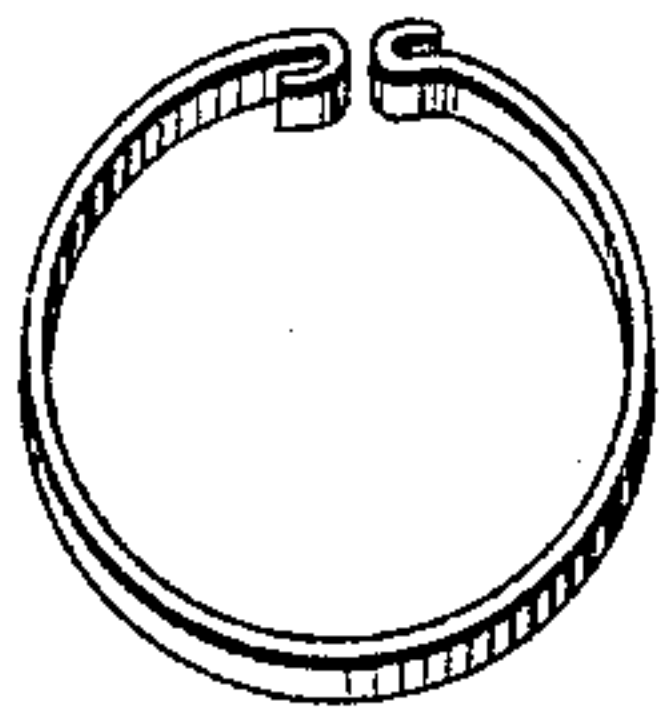
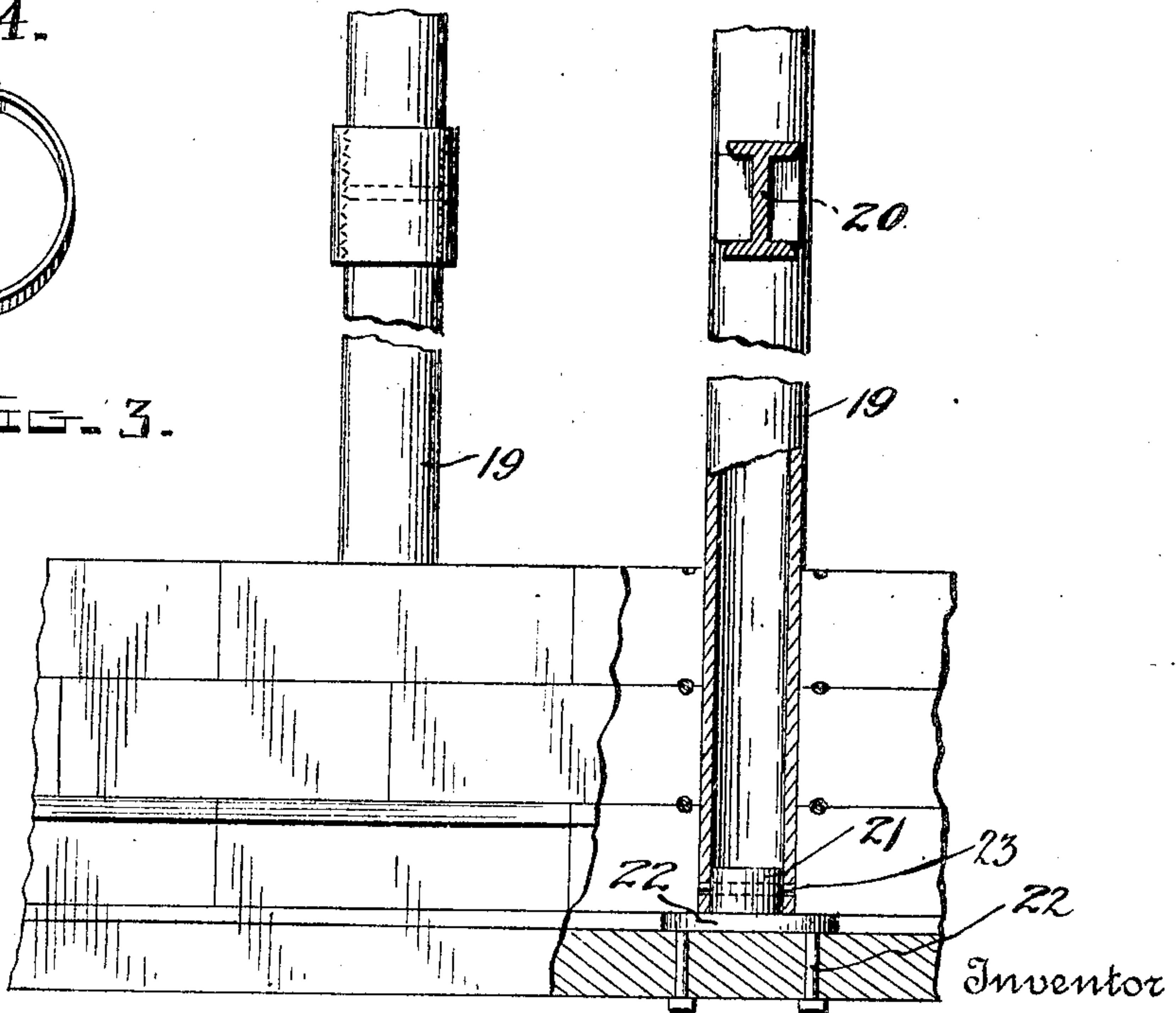


FIG. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN S. CULLEY, OF LOUISVILLE, KENTUCKY.

BUILDING CONSTRUCTION.

No. 812,727.

Specification of Letters Patent.

Patented Feb. 13, 1906.

Application filed April 27, 1905. Serial No. 257,651.

To all whom it may concern:

Be it known that I, JOHN S. CULLEY, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Building Construction; 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.

My invention relates to improvements in building-blocks and block constructions; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

The object of my invention is to provide an improved structure comprising a foundation, a plate bolted thereto and having an upwardly-extending stud, a wall on said foundation composed of inner and outer courses of blocks recessed on their inner sides to form a vertical passage coincident with and extending above said plate, and a tubular stud or frame-piece in and filling said passage and bearing on the said plate, the stud of the latter entering the lower end of said tubular frame-piece, said blocks having communicating grooves in their opposing sides extending around the said tubular stud or frame-piece and mortar in said grooves forming bonds which connect the said blocks together.

In the accompanying drawings, Figures 1 and 2 are detail top plan views of portions of walls composed of blocks, exhibiting modifications of my invention. Fig. 3 is an elevation, partly in section, showing my improved building-blocks combined with tubular framework of a building construction. Fig. 4 is a detail perspective view of a metallic bonding-band for use in connection with my improved building-block.

In accordance with my invention I construct a wall of blocks which are so constructed as to form vertical passages in the wall.

As shown in Fig. 1, outer blocks 8, inner blocks 9, and intermediate blocks 7 are employed, which are respectively provided with registering bonding-grooves 11, 12, and 10, which extend around the passages in the wall.

In Fig. 2 I show inner blocks 13 and filler-blocks 14 employed in combination with facing-blocks 15 and respectively provided with groove-sections 16 17, which coregister, the

said sections 17 registering with bonding-grooves 18 in the facing-blocks.

In Fig. 3 I show tubular frame members 19 disposed in certain of the passages formed in the wall composed of my blocks and show a beam 20 secured to one of the said tubular members 19. Each of the tubular members 19 rests at the base on a stud 21, which rises from an iron plate 22, bolted to a suitable foundation. A locking pin or bolt 23 passes through the said tubular member 19 and the said stud 21.

In Fig. 4 I show a metallic band which is adapted to be placed in the bonding-groove of a block to reinforce the bonding rings or bands of the mortar in laying the blocks, and thus greatly strengthening the construction of the wall.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

A structure comprising a foundation, a plate bolted thereto and having an upwardly-extending stud, a wall on said foundation composed of inner and outer courses of blocks recessed on their inner sides to form a vertical passage coincident with and extending above said plate, and a tubular stud or frame-piece in and filling said passage and bearing on the said plate, the stud of the latter entering the lower end of said tubular frame-piece, said blocks having communicating grooves in their opposing sides extending around the said tubular stud or frame-piece and mortar in said grooves forming the bonds which connect the said blocks together.

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

JOHN S. CULLEY.

Witnesses:

ANDY BOWLIN,
CARL B. CUNNINGHAM.