

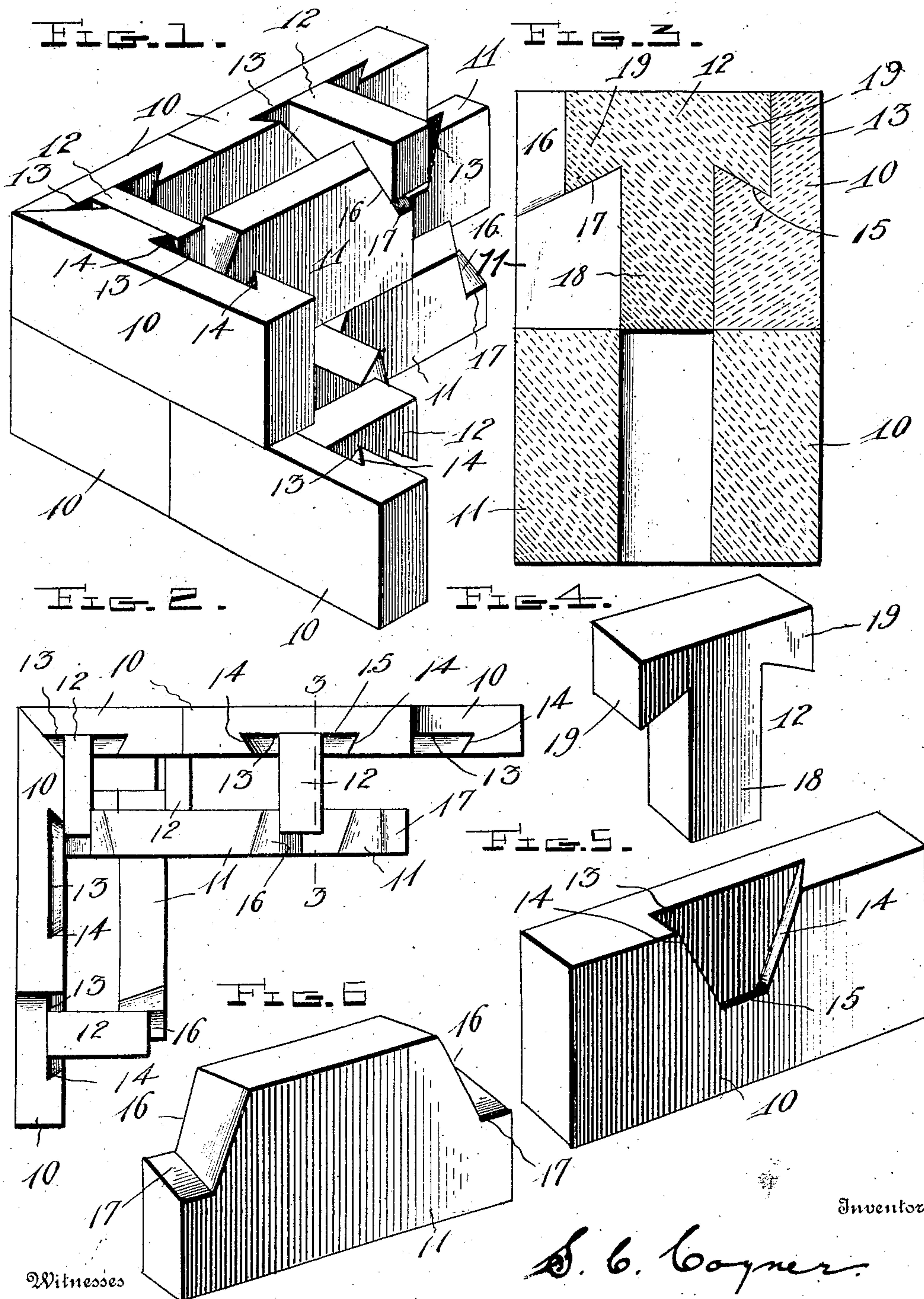
No. 891,596.

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S. G. COYNER.

WALL CONSTRUCTION.

APPLICATION FILED JULY 31, 1906.



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UNITED STATES PATENT OFFICE.

SILAS CRAWFORD COYNER, OF OVERTON, NEBRASKA.

WALL CONSTRUCTION.

No. 891,596.

Specification of Letters Patent.

Patented June 23, 1908.

Application filed July 31, 1906. Serial No. 328,504.

To all whom it may concern:

Be it known that I, SILAS CRAWFORD COYNER, a citizen of the United States, residing at Overton, in the county of Dawson and State of Nebraska, have invented new and useful Improvements in Wall Construction, of which the following is a specification.

This invention relates to a wall construction, and has for its object to produce a wall having a dead-air space from top to bottom, and it consists in forming the wall of blocks which are spaced from each other and connected by a tie block.

In the accompanying drawing, Figure 1 is a perspective view of the wall constructed in accordance with the invention. Fig. 2 is a plan view thereof. Fig. 3 is a vertical section on the line 3—3 of Fig. 2. Figs. 4, 5 and 6 are perspective views of the blocks employed.

Referring specifically to the drawing, the wall is formed by outer blocks 10 and inner blocks 11 which are laid a sufficient distance apart to leave an air space in the wall. The blocks are connected by tie blocks 12. The blocks 10 and 11 are rectangular in shape, and in the inner face of each of the blocks 10 is a recess or seat 13, the side-walls 14 of which are inclined. By having the sides inclined the tie blocks will fit therein notwithstanding any possible slight variation in the spacing of the joints or laying of the blocks. The recesses extend downwardly from the top of the block to about the middle thereof, and its side-walls 14 as well as its bottom 15 are undercut.

The blocks 11 are cut away at each end as at 16 to form seats 17 for the tie blocks. The walls of the seats thus formed are also inclined and undercut similar to the walls of the recesses 13. The wall sections will be laid to break joints so that the joint between the blocks 11 is at the middle of the blocks 10 which brings the seats 17 opposite the recesses 13.

The tie block 12 is T-shaped and when in position its stem 18 extends between the

blocks 10 and 11 and spaces the same apart, as well as acting as a binder, and its branches 19 extend into the seats 13 and 17 respectively. The under sides of the branches are beveled to correspond to the undercut portion of the walls of the seats. This produces dovetail joints between the blocks whereby the wall sections are securely bound together and effectually prevented from spreading. At the corner of the wall an outer block of half-length is used on one side which is connected to the inner wall section in the same manner as the other blocks. The tie blocks however is only one-half the width of the others.

With the blocks herein described a strong and rigid wall is formed with a continuous air space from top to bottom. All joints will be set in mortar.

I claim:—

1. A wall construction comprising an outer section composed of blocks having recesses in their rear faces, the side walls of the recesses being inclined, and an inner section composed of blocks which are cut away at their ends to form seats which are opposite the aforesaid recesses, and tie blocks between the wall sections and extending into the aforesaid recesses and seats.

2. A wall construction comprising an outer section composed of blocks having recesses in their rear faces extending partly down the block, and an inner section composed of blocks which are cut away at their ends to form seats which are opposite the aforesaid recesses, and tie blocks between the walls extending into the recesses and seats, and having depending stems fitting between the blocks below the recesses and seats.

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

SILAS CRAWFORD COYNER.

Witnesses:

T. H. BOYLES,
J. W. DUNAWAY.