

F. McM. SAWYER.
WALL CONSTRUCTION.
APPLICATION FILED DEC. 6, 1910.

1,004,694.

Patented Oct. 3, 1911.

Fig. 1.

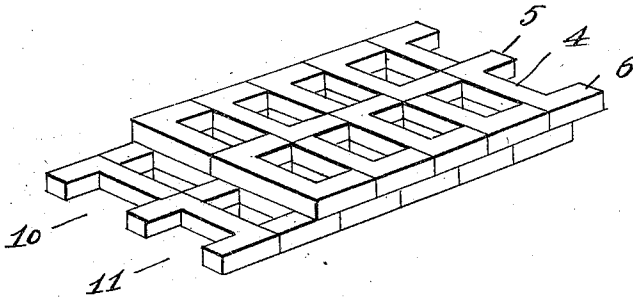
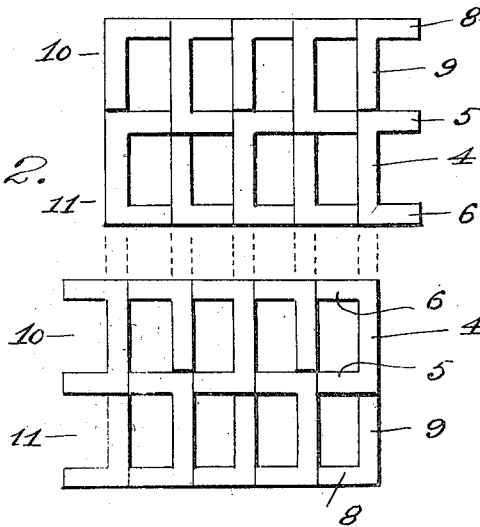


Fig. 2.



Inventor

Witnesses

A. B. Hill

B. J. Bridges

Frank McMurray Sawyer

By

Edwin L. Jewell
Attorney

UNITED STATES PATENT OFFICE.

FRANK McMURRAY SAWYER, OF LOS ANGELES, CALIFORNIA.

WALL CONSTRUCTION.

1,004,694.

Specification of Letters Patent.

Patented Oct. 3, 1911.

Application filed December 6, 1910. Serial No. 595,854.

To all whom it may concern:

Be it known that I, FRANK MCM. SAWYER, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Wall Construction, of which the following is a specification.

This invention relates to improvements in wall constructions, and one of the principal objects of the same is to provide an artificial stone wall formed with two types of bricks one of which is the bonding brick.

Another object is to form a wall with two types of bricks laid in double rows, the alternate bricks in each row projecting into the other row for bonding.

A further object is to form a wall having a double row of air passages extending from the bottom to the top of the wall.

A still further object is to construct a wall that is strong, easy to build, and for which the cost will be low.

These objects are attained by the means illustrated in the accompanying drawing, in which,

Figure 1 is a perspective view of a portion of a wall embodying the invention, and Fig. 2 is a view of two courses of the wall detached from each other.

Like reference numerals indicate the same parts in all of the figures of the drawing.

The construction is formed with U-shaped bricks and blocks, each having a back 4 and two legs 5 and 6, and L-shaped bricks having legs 8 and 9, said last mentioned bricks being of a size equal to the U-shaped bricks without one of their legs.

The courses are laid in two rows 10 and 11, the two styles of bricks alternating in each row and placed in staggered relation to each other, a portion of the U-shaped bricks forming a central partition throughout the length of the wall, and the L-shaped bricks in connection with the remaining portions of said U-shaped bricks, form the outer surfaces of the wall and a series of transverse partitions, thereby forming a double row of vertical ventilating passages.

In alternate courses the bricks are reversed, as shown clearly in Fig. 2, arranged in staggered relation as before described, with the backs 4 of the U-shaped bricks covering the legs 9 of the L-shaped bricks in the lower course, and with their legs 5 and 6 lying upon the legs of the under U-shaped

bricks. The legs 9 of the L-shaped bricks cover the backs 4 of the U-shaped bricks thereunder, and the legs 8 rest upon the legs 8 of the bricks beneath.

From the above description, it will be seen that the courses and rows, are bonded to each other by the overlapping U-shaped bricks, providing a strong ventilated wall. It will also be observed, that the bricks in one course overlap those in the lower course, whereby a break of joints is secured.

Having thus fully described the invention what is claimed is:—

1. A wall construction, comprising U-shaped and L-shaped bricks placed in double rows and alternating in each row, the legs of the U-shaped bricks forming a continuous central partition and part of the surfaces of the wall and the backs thereof forming transverse partitions, and the legs of the L-shaped bricks filling the spaces between the U-shaped bricks on the surfaces and the other portions of said L-shaped bricks forming transverse partitions in alinement with the backs of the U-shaped bricks.

2. A wall construction, comprising U-shaped and L-shaped bricks laid in double rows, said bricks in one row alternating with each other and with the bricks in the other row, the legs of the U-shaped bricks forming a continuous central partition and part of the surfaces of the wall and the backs thereof forming transverse partitions, and the legs of the L-shaped bricks filling the spaces between the U-shaped bricks on the surfaces and the other portions of the L-shaped bricks forming transverse partitions in alinement with the backs of the U-shaped bricks.

3. A wall construction, comprising U-shaped and L-shaped bricks laid in rows and courses, said bricks in one row alternating with each other and with the bricks in the other row, and reversed in alternate courses, the legs of the U-shaped bricks forming a continuous central partition and part of the surfaces of the wall and the backs thereof forming transverse partitions, and the legs of the L-shaped bricks filling the spaces between the U-shaped bricks on the surfaces and the other portions of said L-shaped bricks forming transverse partitions in alinement with the backs of the U-shaped bricks.

4. A wall construction, comprising U-shaped and L-shaped bricks laid in double rows and courses, said bricks in one row alternating with each other, with the bricks in

the other, row, and with the bricks in adjacent courses, the legs of the U-shaped bricks forming a continuous central partition and part of the surfaces of the wall and the backs thereof forming transverse partitions, and the legs of the L-shaped bricks filling the spaces between the U-shaped bricks on the surfaces and the other portions of the L-shaped bricks forming transverse partitions in alinement with the backs of the U-shaped bricks.

5. A wall construction, comprising U-shaped and L-shaped bricks laid in double rows, the alternate bricks in both rows overlapping each other in each course, the legs

of the U-shaped bricks forming a continuous central partition and part of the surfaces of the wall and the backs thereof forming transverse partitions, and the legs of the L-shaped bricks filling the spaces between the U-shaped bricks on the surfaces and the other portions of the L-shaped bricks forming transverse partitions in alinement with the backs of the U-shaped bricks.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK McMURRAY SAWYER.

Witnesses:

M. STRADER,
J. E. MOORE.