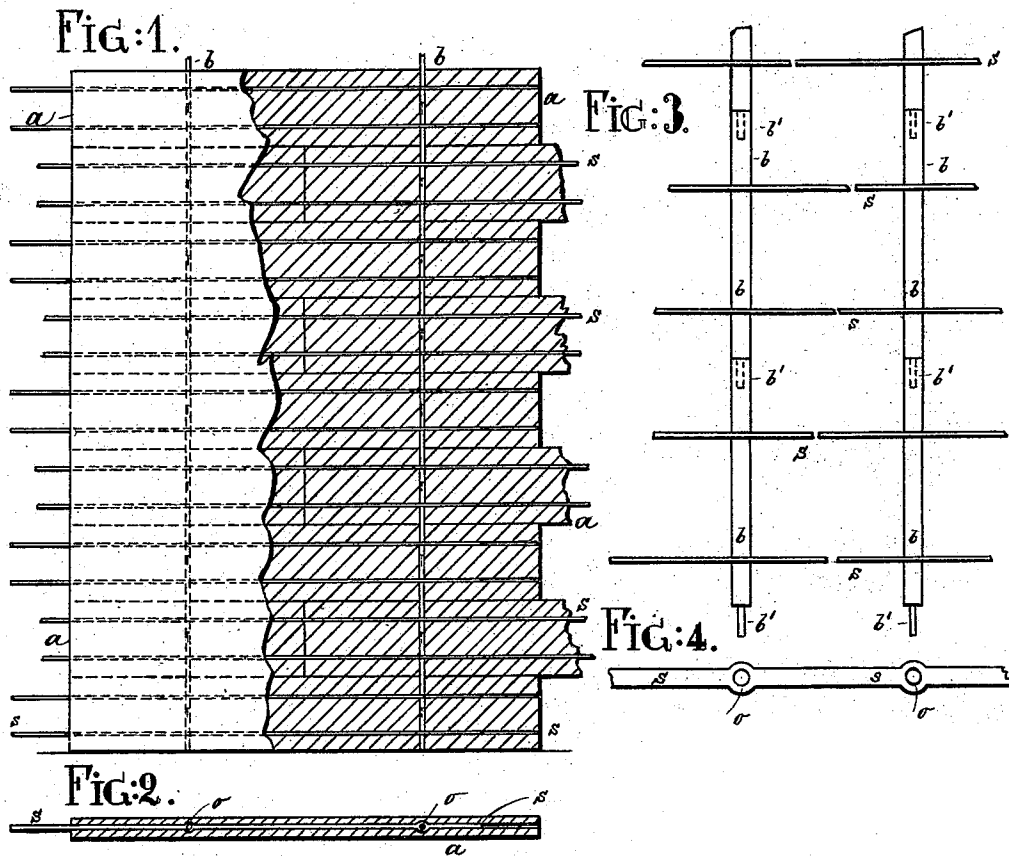


(No Model.)

F. SCHWEITZER.
WALL.

No. 528,239.

Patented Oct. 30, 1894.



Witnesses
William Schulz
Theodore Becker.

Inventor:
Fritz Schweitzer
by his attorneys
Boeder & Briesen

UNITED STATES PATENT OFFICE.

FRITZ SCHWEITZER, OF DUSSELDORF, GERMANY.

WALL.

SPECIFICATION forming part of Letters Patent No. 528,239, dated October 30, 1894.

Application filed April 13, 1894. Serial No. 507,453. (No model.)

To all whom it may concern:

Be it known that I, FRITZ SCHWEITZER, a subject of the German Emperor, residing at Dusseldorf, Germany, have invented certain
5 new and useful Improvements in Walls, with description as follows.

This invention relates to an improved fastening for walls and partitions constructed from artificial stones and it consists in connecting the stones by a system of metal rods
10 that extend bodily through the same.

In the accompanying drawings, Figure 1 is an elevation, partly in section, of my improved wall. Fig. 2 is a horizontal section on line 2,
15 2, Fig. 1; Fig. 3, a detail elevation of the metal skeleton and Fig. 4 a plan of the horizontal bar s.

The letters *a*, represent the artificial stones of a wall or partition, composed of plaster of paris, cement or other suitable material. The stones *a*, are perforated both horizontally
20 and vertically by intersecting channels open from end to end. The vertical channels receive the upright tie rods *b*, which connect
25 all the stones that lie vertically in line. The rods *b*, are made in short lengths (Fig. 3), connected at their ends by mortises and tenons *b'*, so that the wall may be readily built up. If desired, the rods *b*, may be rigidly se-

cured within one of the stones *a*, and project 30 with their ends into the adjoining stone.

The horizontal tie rods *s*, are secured within the horizontal channels during the manufacture of the stones. They are provided with eyes *o*, at their intersection with the vertical
35 rods, so that the vertical rods are free to pass through the horizontal rods and form a complete skeleton frame.

My improved wall fastening is entirely invisible, is exceedingly strong and permits the
40 wall to be quickly built up.

What I claim is—

A wall composed of artificial stones which are perforated vertically and horizontally from end to end, a series of perforated horizontal tie rods received within the horizontal
45 channels, and a series of sectional vertical tie rods received within the vertical channels and engaging the horizontal tie rods, substantially as specified.

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

FRITZ SCHWEITZER.

Witnesses:

ROB. LIEBER,
WILLIAM OTTO.