

(No Model.)

E. F. LASAR.
METAL PARTITION.

No. 581,356.

Patented Apr. 27, 1897.

Fig. 1.

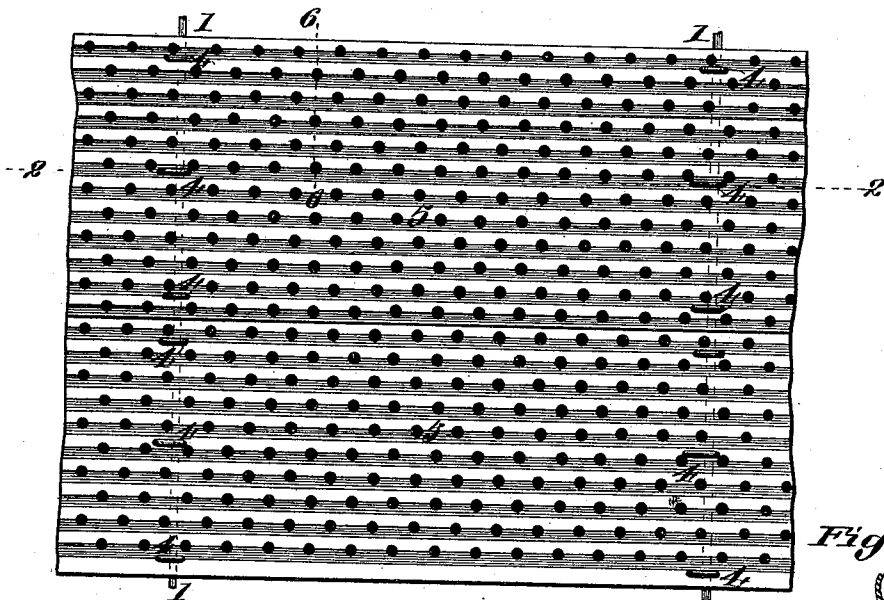


Fig. 2.

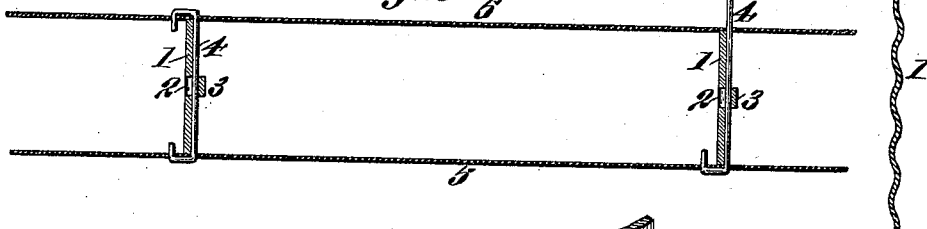


Fig. 3.

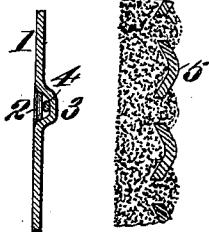


Fig. 4.

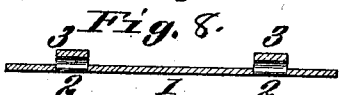
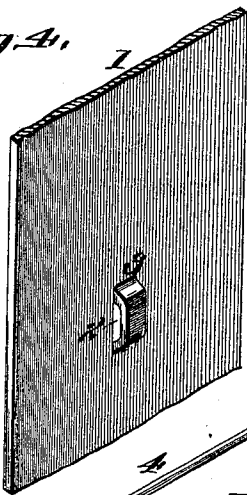
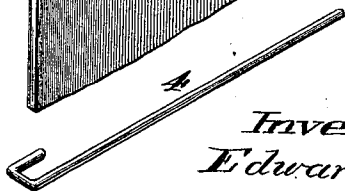


Fig. 6.



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METAL PARTITION.

SPECIFICATION forming part of Letters Patent No. 581,356, dated April 27, 1897.

Application filed July 6, 1896. Serial No. 598,153. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. LASAR, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Metal Partitions; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to the construction of fireproof metal partitions for buildings to be easily constructed and substantial, occupying a small floor-space, and at the same time cheap and quick of erection.

In the accompanying drawings, Figure 1 is detail view of a portion of a partition; Fig. 2, a horizontal section on line 2 2 of Fig. 1. Fig. 3 is a detail vertical section through one of the studs through a depression. Fig. 4 is a detail perspective view of one of the studs. Fig. 5 is a perspective view of one of the securing-pins. Fig. 6 is a detail section on line 6 6 of Fig. 1 with mortar in place. Fig. 7 is a view of a corrugated stud. Fig. 8 is a detail horizontal section of a stud provided with two depressions across the width.

In the construction of my partition I use a vertical stud 1, of thin sheet metal of any desired width, secured at its opposite ends to the floor and ceiling in any manner. At suitable intervals between the ends thereof are provided depressed portions 2, such depressions being formed by indenting upon one side, which provides a projection or loop 3 on the opposite side, through which the holding-pin 4 is passed. 5 is the metal lathing of any suitable construction, here shown as corrugated and provided with perforations.

Where it is desirable to have partitions that are narrow, I use a single line of perforations from top to bottom, but in case of wide partitions using a single piece of studding between the lathing, I provide such studding with two rows of depressions, as in Fig. 8. In the construction of partitions of the design I first secure the studding at the upper and lower ends to the ceiling and floor the desired distance apart horizontally, after which the

metal lathing is secured in place, commencing at either the top or bottom, whichever may be most convenient.

Holes may be punched in the metal lathing, or the securing-pin may be driven through, or should the lathing be of open-work the pins may be passed through the lathing and thence through the loop formed by the depression, and afterward bent around or clenched, as shown in Fig. 2. As many pins may be used as are necessary to firmly hold the lathing firm and in close contact with the studding.

In erecting partitions of this construction the pins may be inserted from either side while the opposite side is held firm, after which the point of the pin is bent around to take in as large a surface of the lathing as possible, while such part of the pin as passes through the loop serves to prevent the lathing from settling down, the hooked part binding the opposite sides against the studding.

The outer coating of mortar may be applied in the usual manner over the surface of the lathing, a portion of which will enter the interstices and be firmly held.

Having thus described my invention, what I wish to claim is—

1. In a metal partition, the studding of which is provided with depressed portions forming loops at intervals throughout its length, pins to pass through said loops, whereby metal lathing is secured in place.

2. In a metal partition consisting of a metal studding having depressed portions or loops, pins passing through said loops, with their ends secured to, and holding the metal lathing in place.

3. In a metal partition consisting of metal studding, having depressions or loops provided at intervals between their ends, pins passing through said loops, with their ends turned down against the metal lathing, whereby said lathing is firmly held against the said studding.

EDWARD F. LASAR.

Witnesses:

H. WIEGAND,
CHARLES PICKLES.