(No Model.)

G. FUGMAN.

METALLIC PARTITION.

No. 601,873. Patented Apr. 5, 1898.

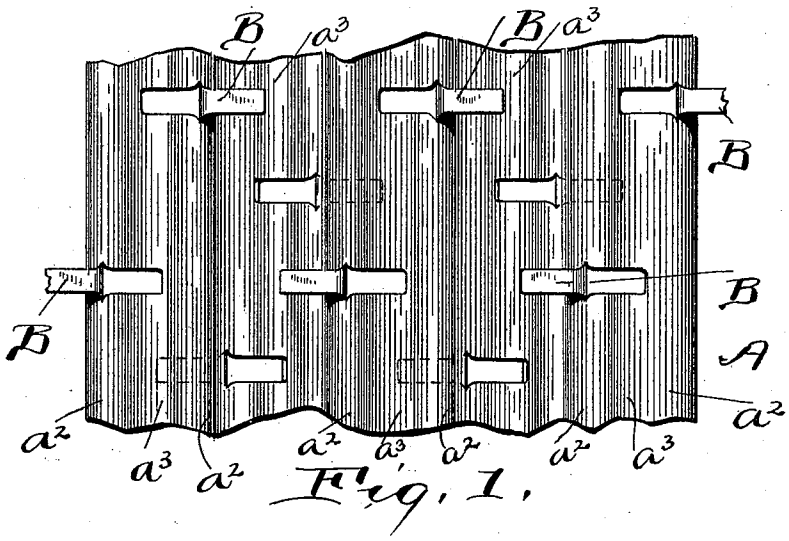


Fig. 1.

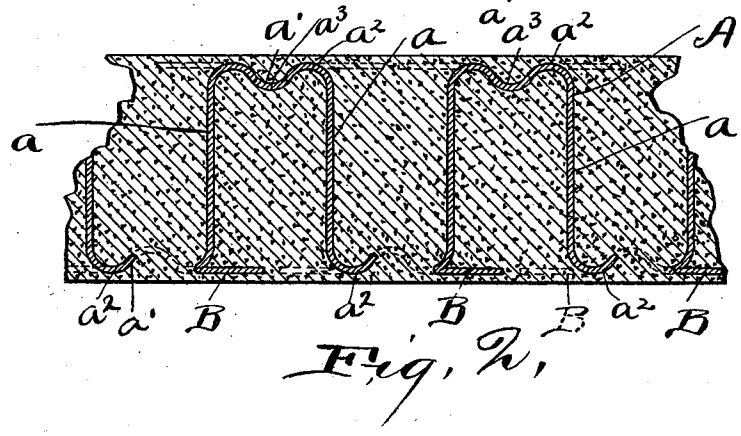


Fig. 2.

Witnesses,
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Inventor,
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By his Attorneys,
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GODFREY FUGMAN, OF CLEVELAND, OHIO.

METALLIC PARTITION.

SPECIFICATION forming part of Letters Patent No. 601,873, dated April 5, 1898.

Application filed June 9, 1897. Serial No. 639,971. (No model.)

To all whom it may concern:

Be it known that I, GODFREY FUGMAN, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Metallic Partitions; and I do hereby 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 present invention relates to improvements in metallic partitions substantially like that shown and described in Letters Patent No. 475,854, granted to me May 31, 1892, whereby said partitions are especially adapted for use as a vertical partition-wall (or ceiling) which it is desirable to cover by a coating of plaster.

The invention consists in the novel features of construction hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a side elevation of my improved metal partition, and Fig. 2 is a sectional plan view of the same when covered by plaster or like material.

The partition A is made of sheet metal bent sinuously to form the parallel folds *a* and the connecting ends *a'*, which latter are preferably formed with arch-shaped parts a^2 a^2 and the intermediate reversely-curved part a^3.

A plurality of tongues B are punched, preferably, from the ends *a'* at suitable intervals, each of which remains attached at one edge, which is near the line where the ends *a'* and folds *a* join. These tongues are then bent around into a plane at about right angles to the side folds *a*.

In using this metal structure as a vertical partition the space between the folds *a* on both sides of the partition will commonly be filled with cement, concrete, plaster, or some other form of plastic filling. This plastic material will also be spread over the outer surfaces of the ends *a'*, thereby completely covering the metal partition A, will pass through the holes formed by cutting out the tongues, and will unite with the material on the opposite side of said metallic partition. The tongues will be buried likewise in the cement. This will hold the plastic material onto the metal partition after said material has hardened.

Having described my invention, I claim—

1. A metallic partition comprising a sheet of metal bent sinuously to form the folds *a* which lie in parallel planes, and the connecting ends *a'*, said partition having a plurality of integral tongues punched from said ends and bent around into positions at right angles substantially to the folds and remaining attached in the lines where the folds and ends join, substantially as specified.

2. A metallic partition comprising a sheet of metal bent sinuously into a series of folds *a a* which lie in substantially parallel planes, and connecting ends *a'* which are substantially the same at one side of the wall as at the other, whereby the partition is adapted when embedded in the middle of the wall to furnish the same support for each side, said ends having a plurality of tongues projecting from them substantially at the junction of the folds and ends and in a direction substantially at right angles to the folds, combined with plaster, cement, or like material filling the spaces between the folds and covering the ends and tongues, substantially as specified.

3. A metallic partition, comprising a sheet of metal bent sinuously to form the folds *a a* which lie in parallel planes, and connecting ends *a'*, said partition having a plurality of integral tongues punched from said ends and bent around into positions at right angles substantially to the folds, combined with plaster, cement or like material filling the spaces between the folds and covering the ends and embedding the tongues, substantially as specified.

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

GODFREY FUGMAN.

Witnesses:
E. L. THURSTON,
E. B. GILCHRIST.