

B. CORNELL.
METALLIC LATHING.

No. 19,487.

Patented Mar. 2, 1858.

Fig. 1.

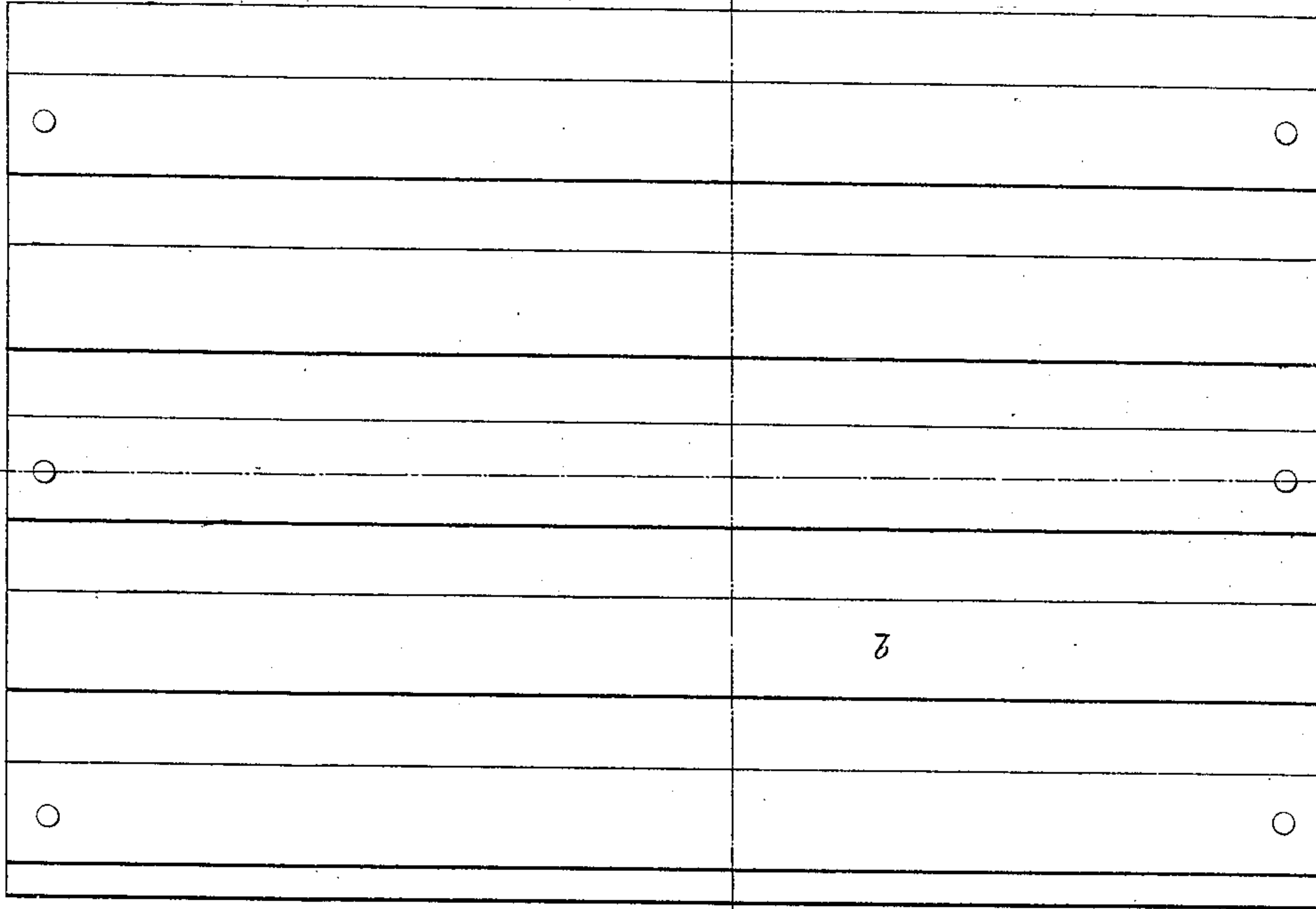


Fig. 2.

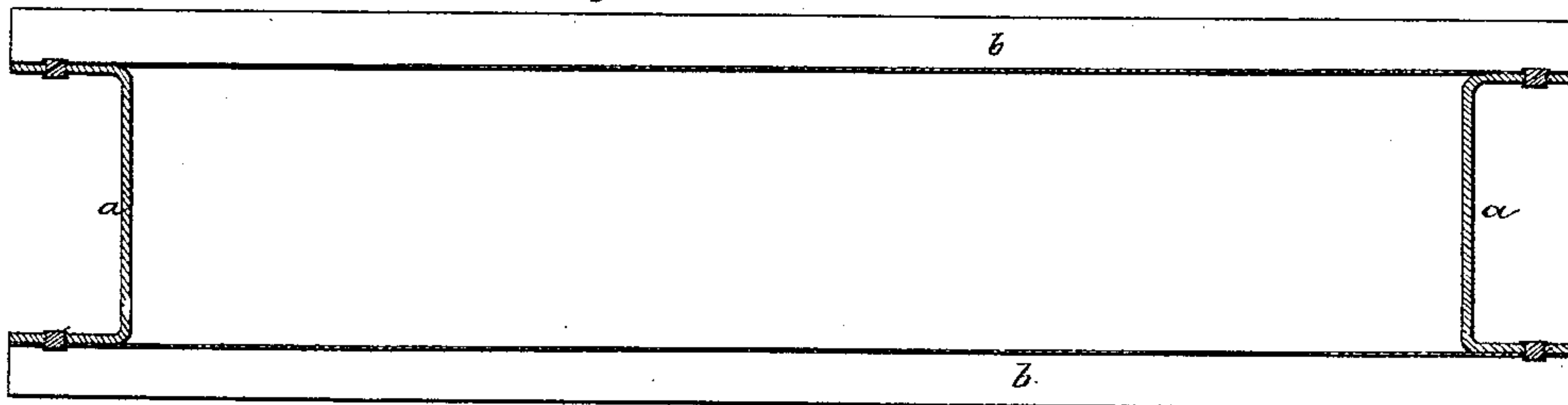


Fig. 3.

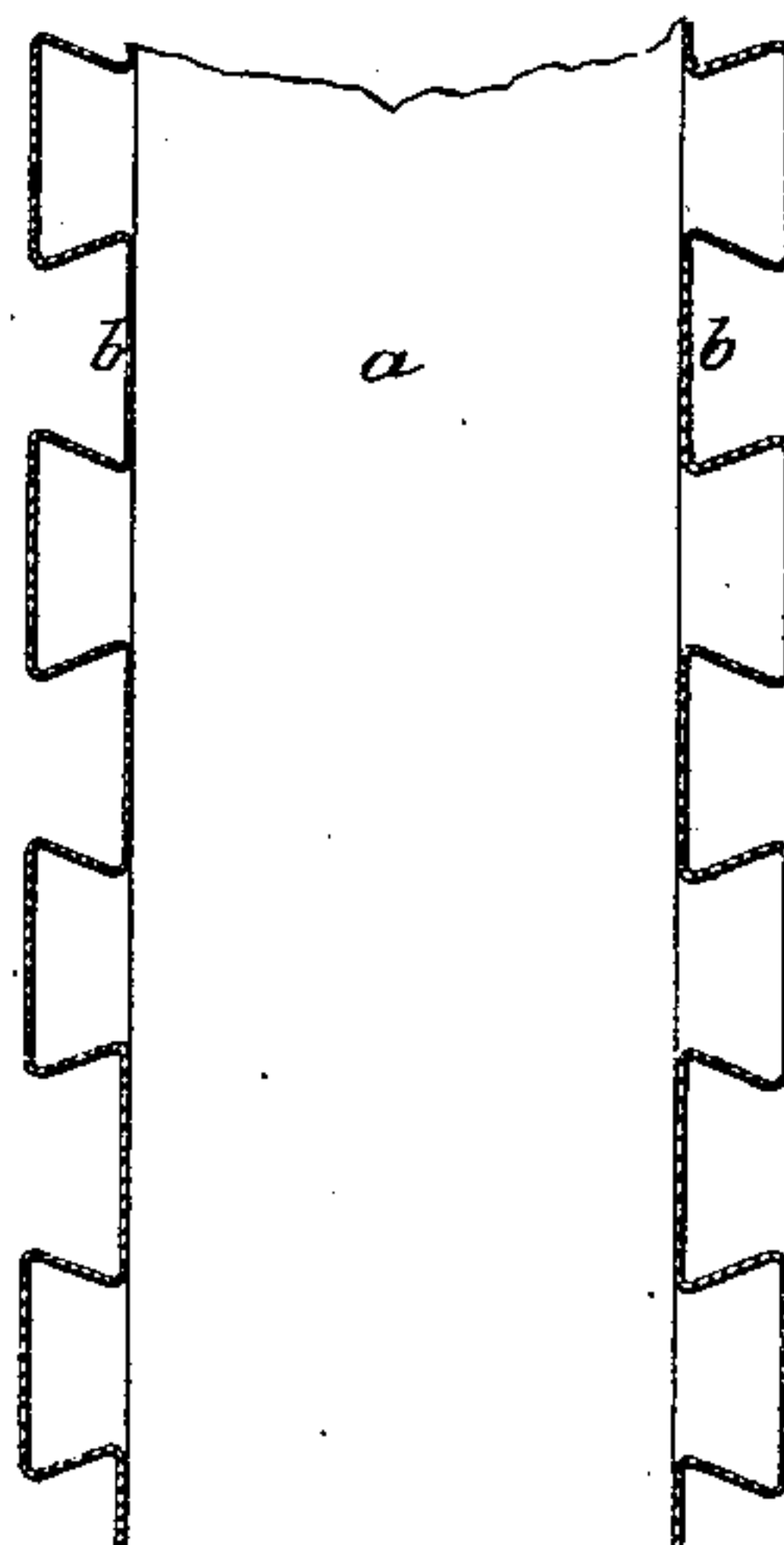


Fig. 4.



UNITED STATES PATENT OFFICE.

BIRDSALL CORNELL, OF NEW YORK, N. Y.

IMPROVEMENT IN CONTINUOUS METALLIC LATHING.

Specification forming part of Letters Patent No. 19,487, dated March 2, 1858.

To all whom it may concern:

Be it known that I, BIRDSALL CORNELL, of the city, county, and State of New York, have invented an Improved Metallic Surface for Receiving and Supporting a Coating of Plaster, &c., to be used in the construction of fire-proof and burglar-proof partitions; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

Figure 1 is a side view of the said surface; Fig. 2, a section in the line *xx* of Fig. 1; Fig. 3, a section in the line *yy* of Fig. 1, and Fig. 4 a section of a modified form of the metallic sheet used in the construction of the said improved plaster-supporting surface.

Similar letters indicate like parts in each drawing.

My improved metallic surface for the reception and retention of a coating of plaster, &c., is composed of sheets of metal *b*, of suitable thickness, after the said sheets have been swaged into alternating depressions and elevations of a dovetail shape or other suitable shape, substantially as represented in the accompanying drawings. The said sheets may be secured to uprights *a*, made of strips of thick sheet-iron bent into the shape represented in the drawings, or to any other suitable supports.

The bending of sheet metal into the above-described shape serves the purpose of stiffening and strengthening the same, and conse-

quently sheets thus shaped form a surface for the reception of a coating of plaster that is less liable to be injured by the action of a high temperature than any other description of metallic surfaces used for a similar purpose, at the same time that the said surface affords a better protection against the depredations of burglars, and can be furnished at a lower price than other plaster-bearing metallic surfaces.

I am aware that narrow angular strips of sheet metal have been combined with each other in such a manner as to form surfaces for the reception of a coating of plaster, and that patents have been granted to Palmer Sumner and to John B. Cornell for varieties of such combinations.

Therefore I wish it to be distinctly understood that what I claim as my invention, and desire to secure by Letters Patent, is—

Forming metallic surfaces for the reception of coatings of plaster, &c., of sheets of metal after they have been swaged into alternating elevations and depressions of a retaining shape, substantially as represented in the accompanying drawings.

The above specification of my improved method of forming metallic surfaces for the reception of plaster or cement signed and witnessed this 26th day of January, 1858.

BIRDSALL CORNELL.

Witnesses:

CHARLES H. FIELD,
I. L. CADY.