

No. 768,932.

PATENTED AUG. 30, 1904.

S. DAVIDSON.
METAL LATH.

APPLICATION FILED NOV. 20, 1903.

NO MODEL.

Fig. 1.

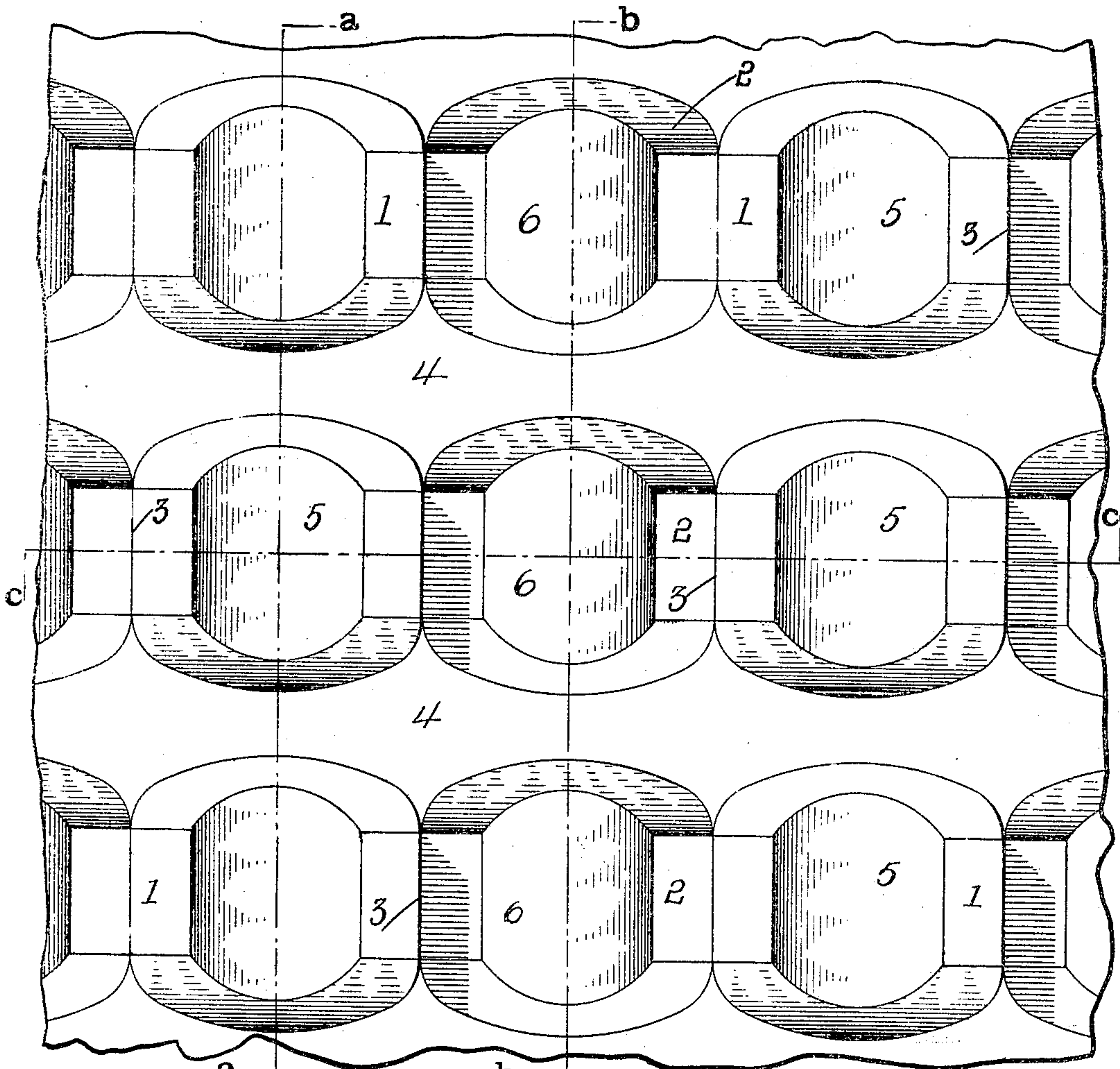


Fig. 2.



Fig. 3.

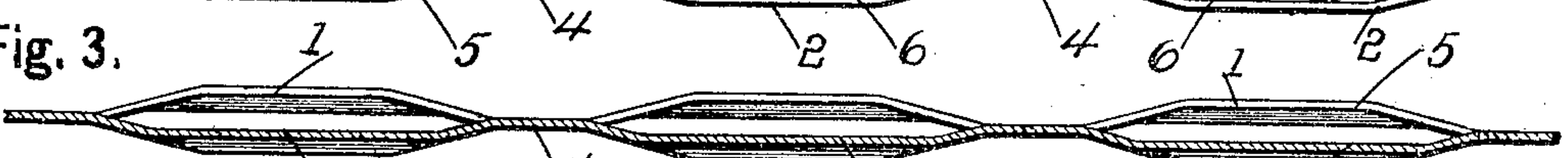
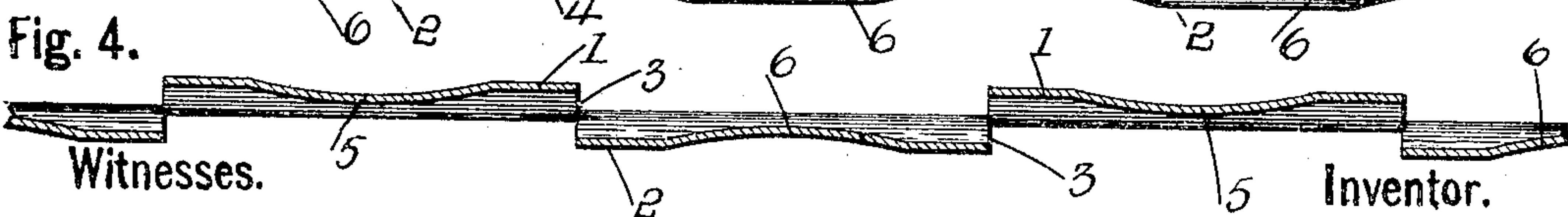


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

SAMUEL DAVIDSON, OF BUFFALO, NEW YORK, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO BUFFALO FIRE PROOF LATH COMPANY, OF BUFFALO, NEW YORK, A CORPORATION OF NEW YORK.

METAL LATH.

SPECIFICATION forming part of Letters Patent No. 768,932, dated August 30, 1904.

Application filed November 20, 1903. Serial No. 181,963. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL DAVIDSON, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Metal Laths, of which the following is a specification.

This invention relates to an improved form of metal lath which is stamped from sheet metal and is provided with a plurality of rows of alternate raised and depressed portions or members, the rows being separated from each other by substantially flat longitudinally-extending portions and the portions or members being separated from each other by transverse slits. The raised portions or members are provided with depressed parts and the depressed portions or members with raised parts, the object being to not only stiffen and strengthen the construction, but also provide additional holding spaces for plaster, all of which will be fully and clearly hereinafter described and claimed, reference being had to the preferred adaptation shown in the accompanying drawings, in which—

Figure 1 is a top plan view of a fragment of a preferred adaptation of the metal lath. Fig. 2 is a section on line *a a*, Fig. 1. Fig. 3 is a section on line *b b*, Fig. 1. Fig. 4 is a section on line *c c*, Fig. 1.

In referring to the drawings for the details of construction like numerals designate like parts.

This improved lath is provided with a plurality of slits which separate alternate raised or depressed parts or members. The parts or members are arranged so that when viewed from opposite sides substantially half are raised or project from one side or face and the remaining half are raised or project from the opposite side or face, the depressed parts on one side forming raised parts on the opposite side. Each of the members or parts is provided with an oppositely-extending part, which form a recess when viewed from one side or face and a raised or projecting part when viewed from the opposite side or face

of the plate, which serves to strengthen or stiffen the lath and also to provide additional holding spaces for the plaster.

The lath is so shaped that viewed from one face or side it presents a series of alternate raised and depressed parts or members 1 and 2, which are arranged in longitudinal rows and separated by transverse slits 3 and with the rows separated by substantially straight longitudinal portions 4. The alternate raised and depressed members or parts are provided with opposite-extending center parts 5 and 6—that is, the raised members 1 are provided with central depressed portions 5 and the depressed members with central raised portions 6. The raised and depressed members are of a substantially oval outline in order to give a curved margin thereto, which is believed to be stiffer than a straight margin.

This lath is pressed or stamped from suitable sheet metal and is utilized chiefly for building purposes.

The main advantage resides in the manner of forming the projecting parts or members with oppositely-extending central parts, which not only stiffens and strengthens the construction, but also provides a large number of additional holding-spaces for the plaster.

I claim as my invention—

1. A metal lath having a series of alternate raised and depressed members separated by slits and provided with oppositely-extending centers, substantially as set forth.

2. A metal lath having a series of members separated by slits, and each member constituting a raised or projecting portion on one side of the plate and a depressed portion on the opposite side of said plate and having an oppositely-extending center which forms a center projecting part in the depression on the side opposite to which the member itself projects and a central recess in the projecting face of said member, substantially as set forth.

3. A metal lath comprising a plate having longitudinal rows of slits, the portions of the plate between the slits in each row projecting alternately in opposite directions, each of said

projecting portions having a part which extends in the direction of the adjacent projecting portion, substantially as set forth.

4. A metal lath comprising a plate having
5 rows of slits, which slits are of less length than the distance between the slits in a row, the portions of the plate between the slits in

each row projecting alternately in opposite directions, substantially as set forth.

SAMUEL DAVIDSON.

Witnesses:

L. M. SANGSTER,
GEO. A. NEUBAUER.