

(No Model.)

C. H. SALISBURY.

METALLIC FENCE.

No. 272,482.

Patented Feb. 20, 1883.

FIG. 1.

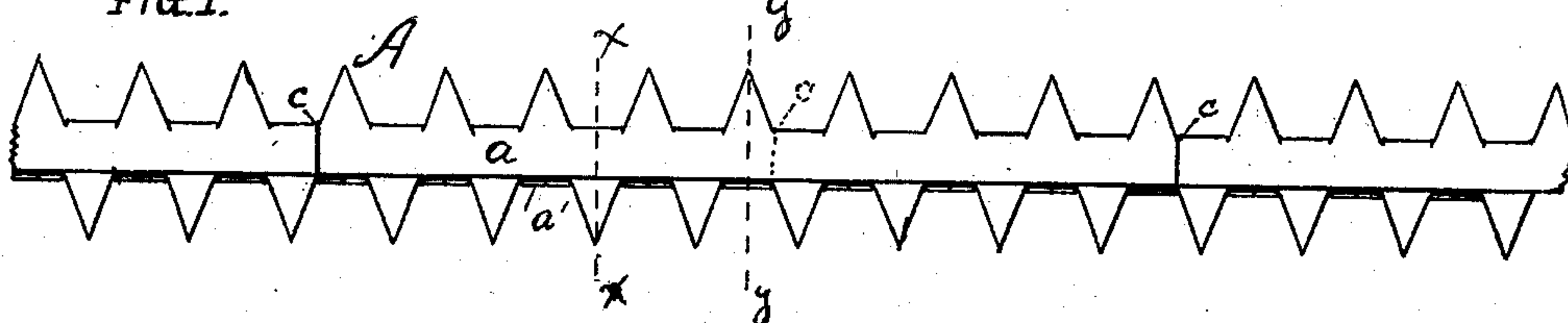


FIG. 2.

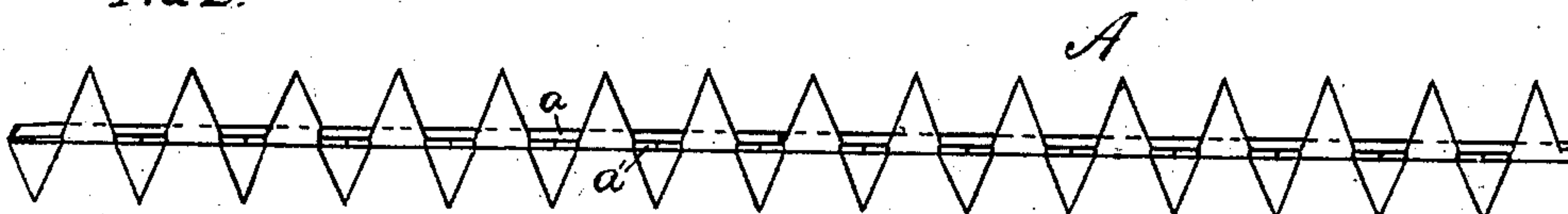


FIG. 3.

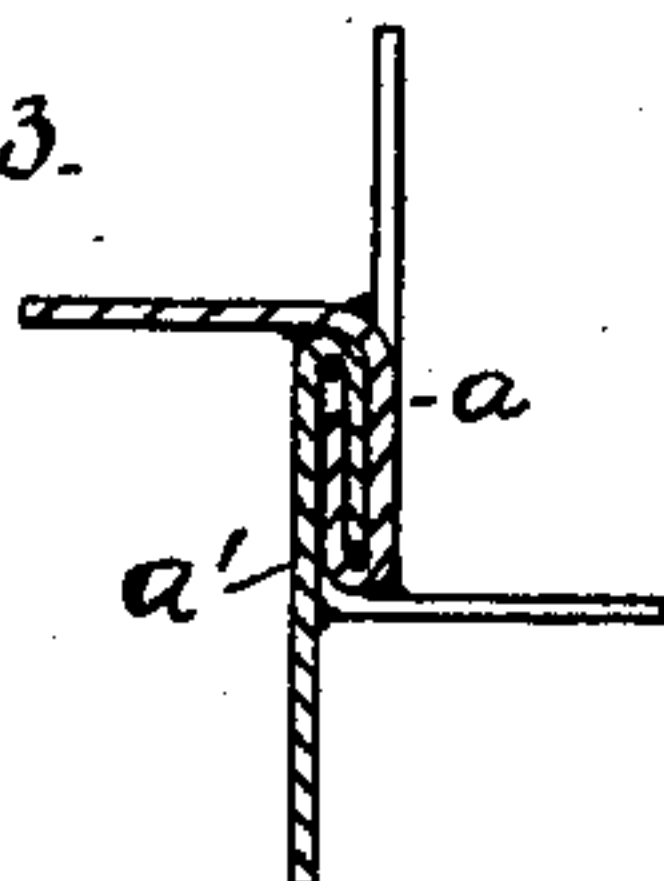
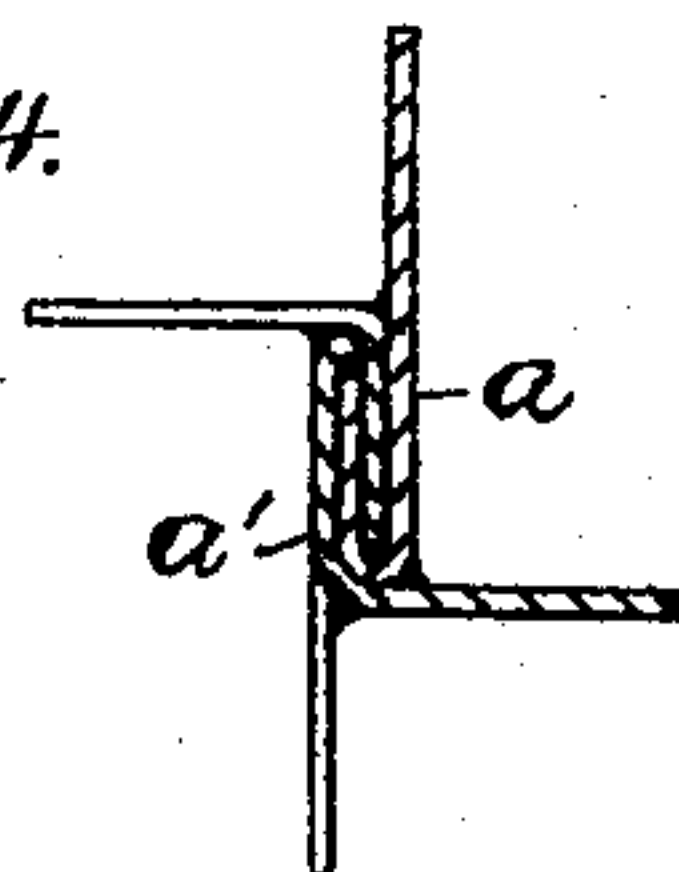


FIG. 4.



Witnesses:

J. Everett Brown  
A. M. Munday.

Inventor:

Charles H. Salisbury.

per Munday, Everts & Adcock

his Attorneys

# UNITED STATES PATENT OFFICE.

CHARLES H. SALISBURY, OF DE KALB, ILLINOIS.

## METALLIC FENCE.

SPECIFICATION forming part of Letters Patent No. 272,482, dated February 20, 1883.

Application filed July 18, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES H. SALISBURY, of De Kalb, in the county of De Kalb and State of Illinois, have invented certain new and useful Improvements in Metallic Fences, of which the following is a specification.

My invention relates to improvements in metallic fencing; and the same consists in a barbed fence-rail composed of thin strips of sheet metal having their edges folded and locked together in such manner as to break joints, so as to form a compound rail of sufficient thickness to give the requisite strength, and provided with sharp points or barbs on its outer edge, the different strips being united together by solder or cement.

In the accompanying drawings, which form a part of this specification, and in which similar letters of reference indicate like parts, Figure 1 is a plan view of my improved metallic fencing. Fig. 2 is an edge view; and Figs. 3 and 4 are cross-sections on lines *x x* and *y y*, respectively, of Fig. 1.

In the drawings, A represents the fence-rail, which is composed of two narrow strips of sheet metal, *a* and *a'*, each of which has one straight or smooth and one serrated or toothed edge, the smooth edges of the two strips being folded and interlocked together, so as to form four thicknesses of the sheet metal in the central part of the rail, and the serrated edges having part of the teeth turned at right angles to the others, so as to present barbs or points in four different directions, when the two strips are interlocked together. The sheet-metal strips *a a'* may be cut from sheet metal of the ordinary width, the different short sections being joined together, so as to lap joints, and the separate strips and folds

being united throughout their whole length by solder, so as to form a solid rail. The joints *c*, between the separate strips, instead of being square joints, as shown, may preferably be cut diagonal or splicing, or the ends of the strips may be lapped over each other, as thereby greater strength will be afforded.

In cutting the strips from the sheet-metal blank each alternate cut is serrated and the other straight, so that there is no loss of material, and then the smooth edge of the strips is folded upon itself and a portion of the teeth of the serrated edge turned at right angles to the others, and the folded edges of the strips are then interlocked together, care being taken to break joints, when the compound rail thus formed is passed through a galvanizing-bath, whereby the whole is firmly united and soldered together. In this way a very strong and effective barbed fence-rail may be easily made from sheet-iron alone, which is comparatively cheap material, and at the same time the fence-rail produced will be of sufficient size to be easily discernible by stock, and thus obviate the danger thereto incident to the use of most barb fence heretofore made.

I claim—

The improved barbed metallic fence-rail composed of short strips of sheet metal provided with interlocked folded straight edges and serrated outer edges with teeth turned in different directions, said strips being united together so as to break joints, and soldered, substantially as specified.

CHARLES H. SALISBURY.

Witnesses:

H. M. MUNDAY,  
EDW. S. EVARTS.