

(No Model.)

E. R. LANDON.

MAT.

No. 387,978.

Patented Aug. 14, 1888.

Fig. 1.

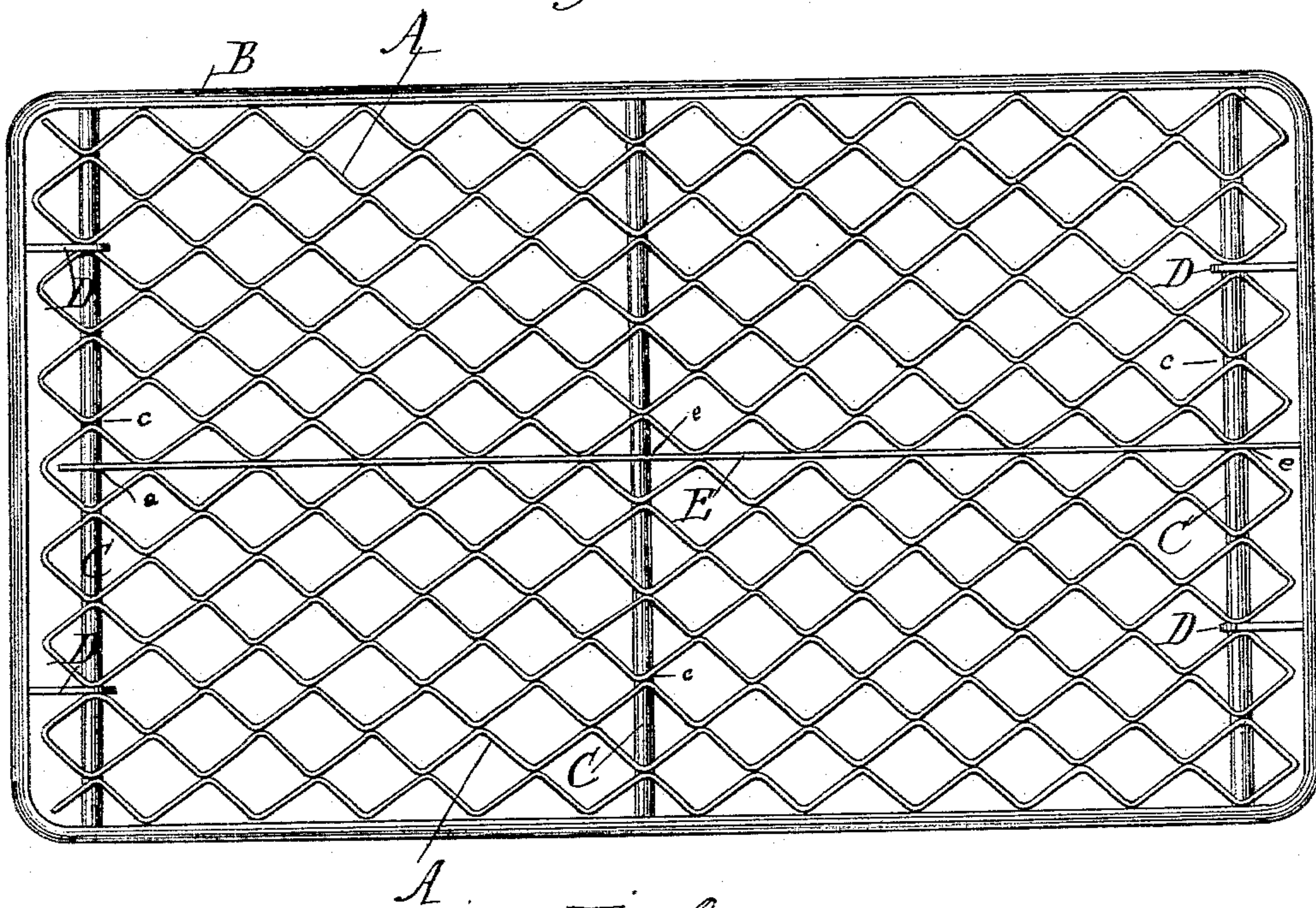


Fig. 2.

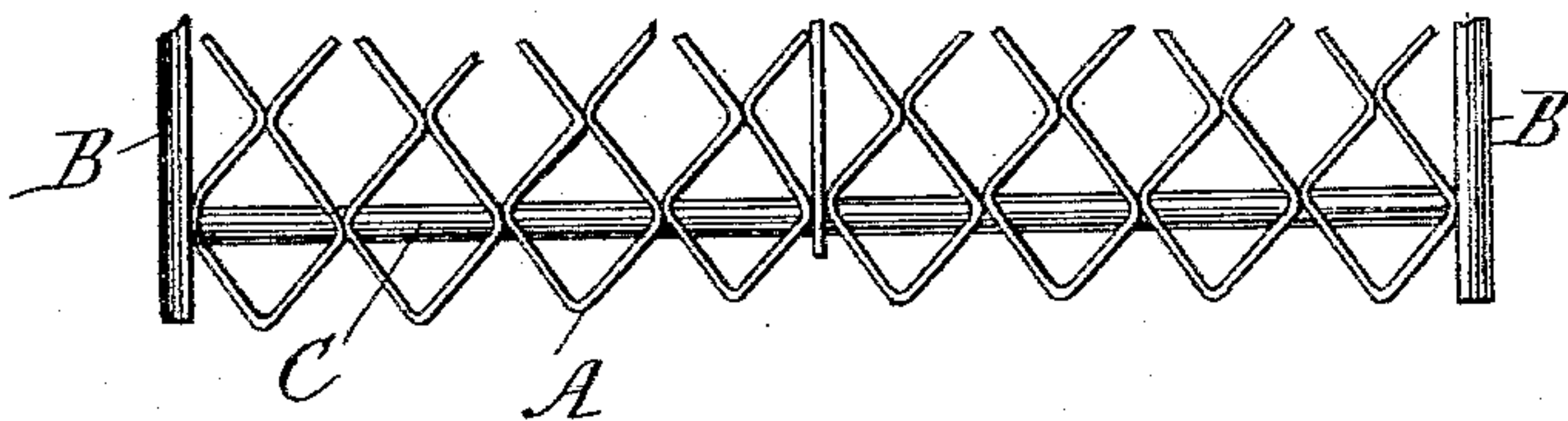
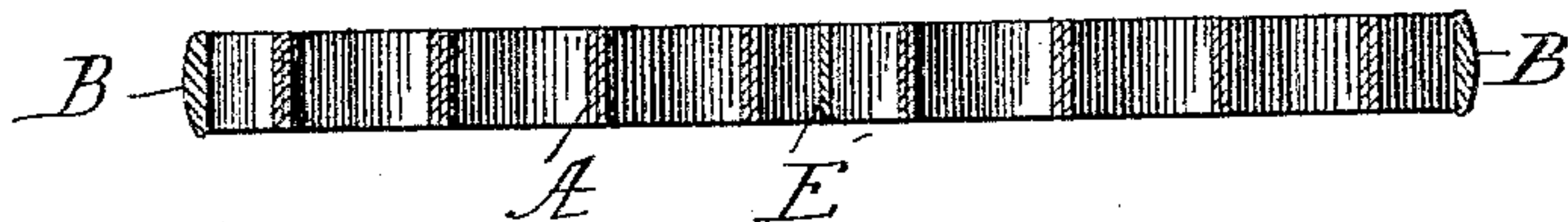


Fig. 3.



Witnesses:

Frank S. Blanchard.

Spencer Ward.

Inventor:

Edwin Ruthven Landon

*By Gilson & Benjamin
His attorneys.*

UNITED STATES PATENT OFFICE.

EDWIN RUTHVEN LANDON, OF CHICAGO, ILLINOIS, ASSIGNOR OF TWO-THIRDS TO JOHN BOOTH, OF SAME PLACE.

MAT.

SPECIFICATION forming part of Letters Patent No. 387,978, dated August 14, 1888.

Application filed March 24, 1888. Serial No. 268,341. (No model.)

To all whom it may concern:

Be it known that I, EDWIN RUTHVEN LANDON, a citizen of the United States, and a resident of Chicago, county of Cook, and State of Illinois, have invented new and useful Improvements in Metal Door-Mats; and I do hereby declare the following to be a full, clear, and exact description of my said invention.

My invention relates to that class of metal mats in which the mesh is formed of crimped or sinuous strips of sheet metal arranged side by side on their edges, and is designed to secure a maximum of scraping-surface with the least possible weight of metal, to construct a mat which shall present no sharp ends, and to provide for simplicity of manufacture.

In the accompanying drawings, which are made a part of this specification, Figure 1 shows a view of my improved mat; and Fig. 2 shows a modified form of construction in which the frame is limited to the sides, the ends of the mat being left exposed. Fig. 3 shows a transverse sectional view of the mesh.

My invention consists in constructing the mesh of the single strip of sheet metal, A, of suitable width, crimped to form V-shaped corrugations of uniform size, the said strip being repeatedly doubled upon itself, the apexes of the several corrugations of adjacent folds being brought in contact, so that a mesh is formed which is uniform or regular throughout the extent of the mat, and in the use, if desired, of a flexible frame-work in mats of this class. The mesh is held together by the rods C, which may be either stiff or flexible, and which pass through holes punched in the successive folds of the strip A at *c*, equidistant from the edges

of said strip, and are made fast in or to the outer frame, B, which may consist of a flexible wire or of one-half-oval metal of the same width as the strip A, as shown in the drawings, and which may pass completely around the mat, as in Fig. 1, or only along the sides thereof, as in Fig. 2. If the frame B passes completely around the mat, additional strength is secured by the use of clips D, firmly attached to the frame B at the ends of the mat and projecting inwardly, and being of sufficient length to allow the rods C nearest the ends of the mat to pass through holes in said clips made for that purpose. The straight metal strip E, preferably of the same metal as the strip A, passes through the entire length of the mesh and has holes at *e* to accommodate the rods C, and is introduced for the purpose of preventing the ends of the mat from being pulled out or elongated by any accident which might tend to so damage it by straightening the strip A. Instead of the single strip E, two or more such strips may be used. Neither do I limit the use of the transverse rods C to the number shown in the drawings; but more or less may be used, as desired.

What I claim as new, and desire to protect by Letters Patent, is—

A strip of crimped metal doubled upon itself, so as to form the mesh of a mat, in combination with retaining-rods, frame, and the strengthening-bar E, substantially as described herein.

EDWIN RUTHVEN LANDON.

Witnesses:

SPENCER WARD,

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