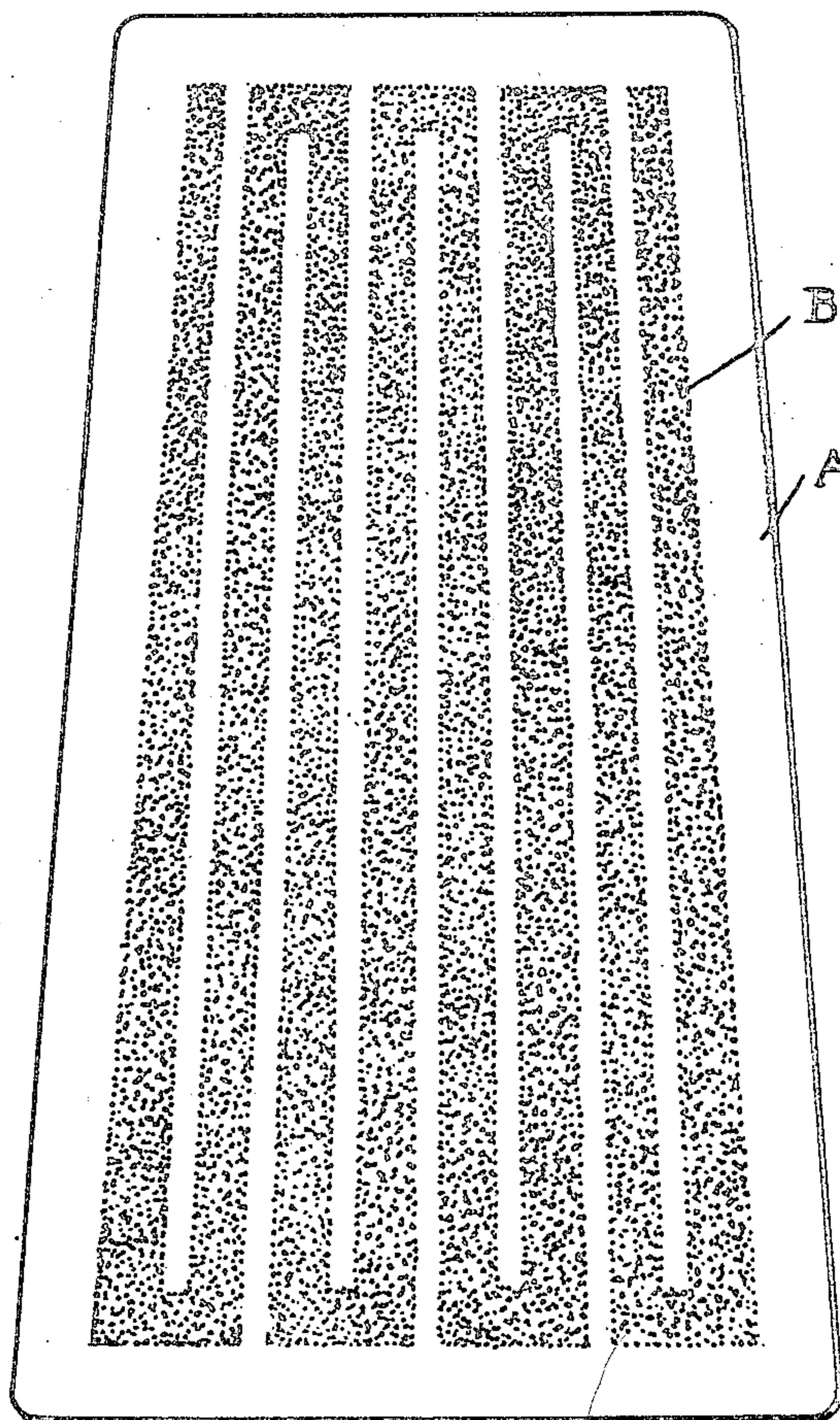


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T. W. GLYNN ET AL
ELECTRIC HEATING ELEMENT

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ELECTRIC HEATING ELEMENT

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1 Claim. (Cl. 201—73)

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This invention relates to a heating element embodying a glass plate having deposited thereon a conducting metal grid in which the several bars of the grid are so proportioned that the ends thereof adjacent to one edge of the plate are of higher resistance per unit length than those adjacent to the opposite edge, so that the generation of heat by the grid is asymmetrical.

The accompanying drawings, in which corresponding marks are designated by corresponding marks of reference, is a plan view of a glass panel, or plate, having a conducting grid deposited thereon in accordance with this invention.

The plate, or panel, A has deposited thereon a conducting grid B of metal which may be deposited electrically, chemically, or, as is preferred, by a thermal gun. Each bar of the grid is each connected at one end to the corresponding end of an adjacent bar, and one end of each of the external bars is connected when in use to one end of an electric feed circuit. To provide for the asymmetrical heating before referred to, we so construct the bars that each of them has greater resistance per unit length on one side of the medial line of the panel, or sheet, than on the other. In the instant case this is accomplished by making the breadth of the bars greater at the bottom of the sheet than at the top.

As the space between the several bars is of uniform width from end to end, this results in

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a grid in the form of a truncated triangle and if desired, the contour of the plate may be of the same shape, as is shown.

Having thus described our invention what we claim as new and desire to secure by United States Letters Patent, is:

A heating element comprising a glass plate having deposited thereon a grid of converging bars connected in series and separated from each other by spaces of uniform width, the said several bars having greater resistance on one side of the medial line transverse to the bars than on the other.

THEODORE WILLIAM GLYNN.
CHARLES RICHARD VENABLE.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,881,444	Flanzer	Oct. 11, 1932
2,119,680	Long	June 7, 1938

FOREIGN PATENTS

Number	Country	Date
406,634	Great Britain	May 21, 1932
841,327	France	Feb. 1, 1939