

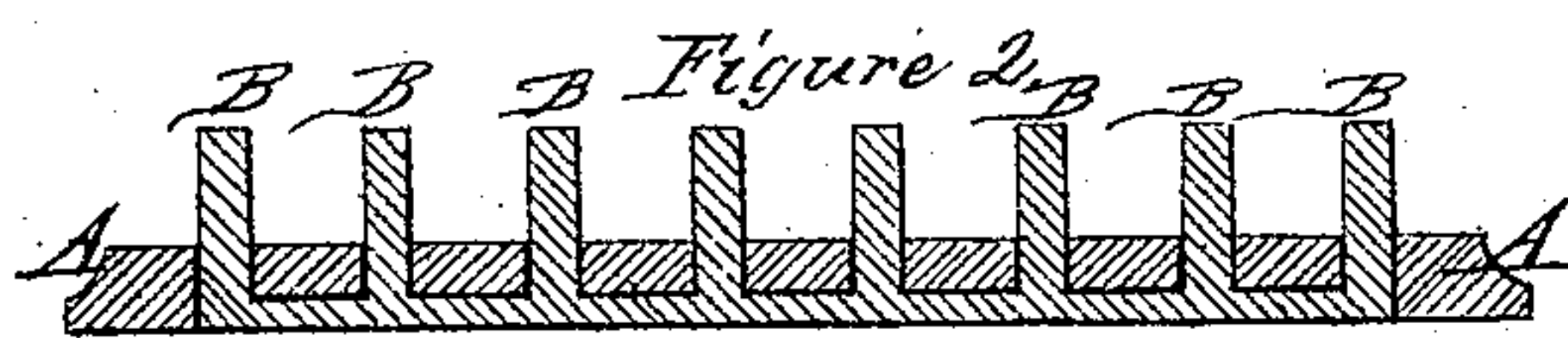
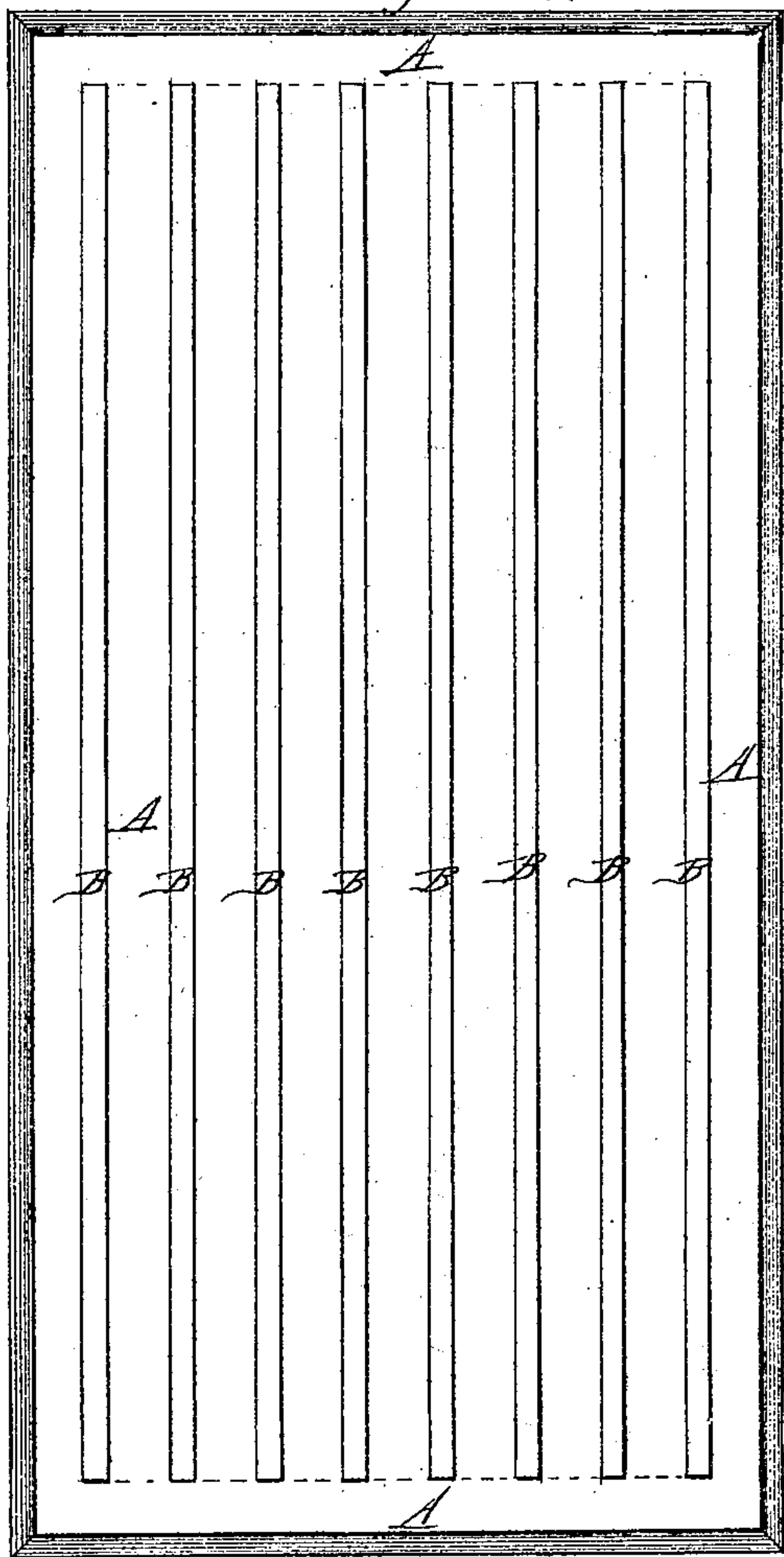
P. W. Neefus,

Door Mat.

No. 109650.

Patented Nov. 29. 1870.

Figure 1.



INVENTOR,

Peter W. Neefus

WITNESSES,

Chas. C. Emery
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United States Patent Office.

PETER W. NEEFUS, OF NEW YORK, N. Y.

Letters Patent No: 109,650, dated November 29, 1870; antedated November 26, 1870.

IMPROVEMENT IN METALLIC AND ELASTIC DOOR-MATS.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, PETER W. NEEFUS, of the city, county, and State of New York, have invented a new and improved Metallic and Elastic Door-Mat; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing making part of this specification.

The invention consists of a metal plate, perforated with transverse slits through which rise vertically ribs or strips of vulcanized India rubber or other similar elastic material to a height sufficient to form an elastic surface to the mat, upon which the feet may be cleaned.

I have, in my specifications for patents on metallic and elastic floor-plate, and for improved stair and floor-plate, described various modes of constructing an elastic surface for steps or floors, or for plates placed thereon.

In the invention described herein, the elastic projections may be secured in the holding-plates or floor in a similar manner to the above, but the projections proper must be entirely different to adapt them to the purposes herein mentioned.

The elastic projections on the stair and floor-plates are elevated but a little distance, and are intended to form only an elastic surface which will yield slightly, but prevent noise and give a firm hold to the feet without danger of slipping.

The present invention is a distinctive article, in which the elastic material is disposed in the form of elevated ribs, which, instead of being simply compressed by the feet, bend over and form cleaning surfaces.

This application is confined to the article produced. Various means for securing the elastic projections in the plate of wood or metal I intend to make the subject-matter of separate applications for patents.

In the drawing—

Figure 1 represents a plan view of one of the improved mats.

Figure 2 is a transverse section of the same.

A is a plate, preferably of metal, intended to be placed upon the floor, and form the body of the mat.

This plate is perforated with a number of narrow slits, through which rise ribs or projections B B, made

of vulcanized India rubber, or other similar elastic material.

These projections B B are secured to or formed on a sheet of like material, which is placed underneath the body of the mat A in such manner that the projections rise through the slits in the latter.

In most instances the plate A is constructed with a recess underneath it to receive the sheet on which the ribs B are secured, as is shown in fig. 2.

The elastic ribs B B may also be attached separately by fitting or forcing them into slits which are wider at the bottom than at the top.

The depth of the recesses in the bottom of plate A should be slightly less than the thickness of the rubber, so that the weight of the mat will come first upon the rubber and keep it in place.

In some instances I put a sheet of rubber under the entire mat.

The mats may be either movable in the usual way, or screws may be put through the metal portion, or through lugs attached to the same, to secure the mat in place, and prevent it from being shifted or stolen.

The ribs B B B' B' may be made of gutta percha, leather, or preparations of the same, or of any similar elastic substance.

The slits through which the elastic ribs pass may be of any desired length, and the ribs put in in sections to form the whole length.

The ribs may also be arranged in the plate to form different patterns, but I prefer generally to run them in parallel lines across the mat.

The sectional shape of the ribs may also be somewhat varied.

I claim as new and desire to secure by Letters Patent—

A new article of manufacture, consisting of a floor or door-mat, on which narrow, elastic ribs B or projections of sufficient height to bend when subjected to pressure from the foot, are secured in a plate, A, of wood or metal, substantially in the manner shown and described.

PETER W. NEEFUS.

Witnesses:

CHAS. E. EMERY,
W. A. SKINKLE.