

(No Model.)

J. T. HOWARTH.
WIRE MAT.

No. 488,335.

Patented Dec. 20, 1892.

FIG. 1.

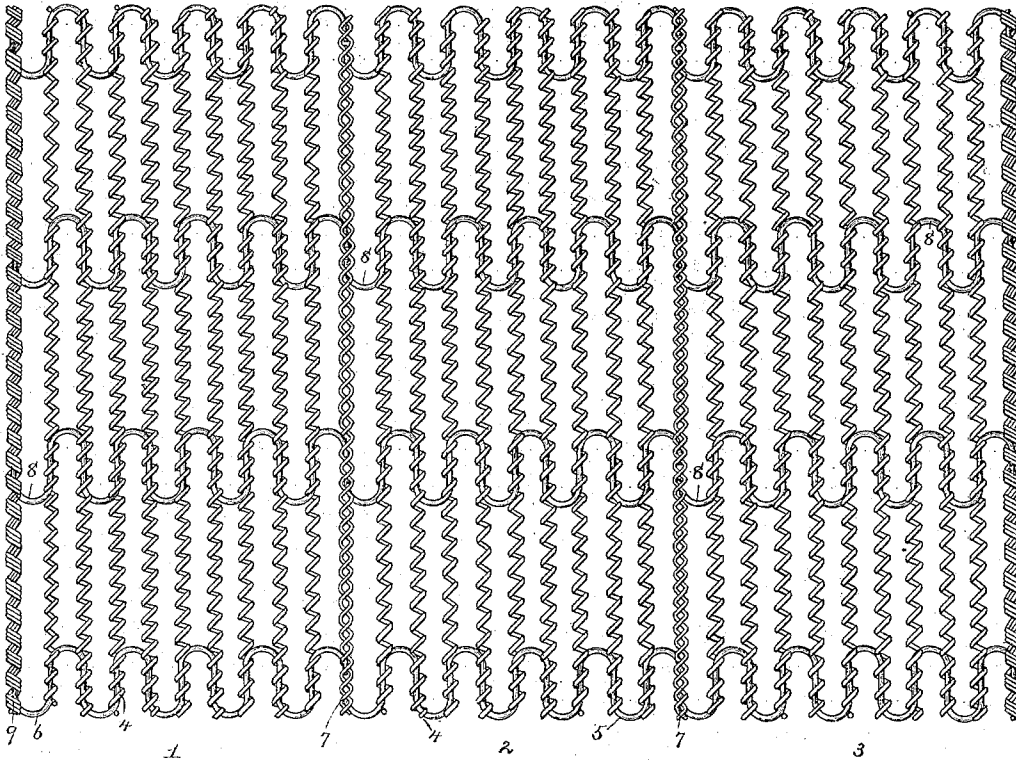
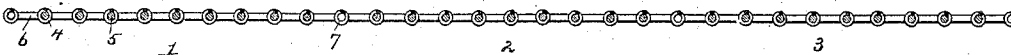


FIG. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN T. HOWARTH, OF BEAVER FALLS, PENNSYLVANIA.

WIRE MAT.

SPECIFICATION forming part of Letters Patent No. 488,335, dated December 20, 1892.

Application filed May 18, 1892. Serial No. 433,444. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. HOWARTH, a citizen of the United States, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented a new and useful Wire Mat or Matting, of which the following is a specification.

My invention relates to improvements in wire mats or floor coverings, or what might be better termed wire matting; and the objects in view are to provide a construction of the same that will be strong and durable, easy to manufacture, that will not fray out or come loose, and which may be constructed in sections when so desired, whereby it may be conveniently folded, for packing.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings:—Figure 1 is a plan of a mat or matting constructed in accordance with my invention. Fig. 2 is a transverse section of the same.

Like numerals of reference indicate like parts in all the figures of the drawings.

In the present instance I have illustrated the mat or matting as consisting of a series of three mat-sections, designated as 1, 2, and 3. Each of the mat-sections comprises a series of parallel coiled wire-strands 4, all of which are of the same length, and their extremities are connected by transversely-disposed binding-wires or strands 5. These binding-wires or strands are preferably of heavier wire than that of which the body of the mat is formed, and the same are given a series of bends in alternately opposite directions, are zig-zag or at intervals bent to form alternately-opposite U-shaped branches 6, whose terminals are parallel. Each terminal of each U-shaped branch passes through a series of the end-coils of the strands 4, so that the two sets of coils become interwoven, as it were, and the binding-strands will be prevented from pulling out, as will be obvious. The adjacent coils of each adjacent pair of sections are coiled together, or around each other, as indicated at 7, so that as will be obvious the sections are thereby hinged together, and capable of folding one upon the other. The

terminals of the binding-wires take into these interlocking coils, and terminate therein. If desired, intermediate binding-wires 8 similar to the binding-wires 5 may be employed, and I have illustrated two of such wires, extending transverse the sections and terminating in the interlocking coils. The outer or end-coils of the two outer sections are preferably composed of two or more strands 9, being coiled together in a manner obvious, and in these terminate the outer ends or extremities of said binding-wires.

From the foregoing description, it will be seen that I have provided a mat or matting that may be used in one section or a series of folding-sections, for covering floors, steps, hallways, or employed as mats in front of counters, and other places where excessive wear takes place.

Having described my invention, what I claim is:—

1. A wire mat or matting consisting of a series of independent sections, each comprising a series of parallel coiled strands, and end-binding-wires, the adjacent coils of the sections interlocking to form a hinge-connection, substantially as specified.

2. A wire mat or matting consisting of a series of sections, each comprising a series of parallel coiled wire strands, the adjacent strands of adjacent sections interlocking to form hinge-joints, the outer coils of the outer sections consisting of a series of strands and the binding-strands or wires for each of the sections engaging the ends of the parallel coils, and terminating in the end coils of each section, substantially as specified.

3. A mat or matting consisting of a series of coiled wire strands arranged parallel, and a series of binding-wires bent into flat sinusoidal-form or in reverse directions to form U-shaped branches, the terminal of each U-shaped branch engaging a series of coils of a strand, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN T. HOWARTH.

Witnesses:

JOS. C. ROUZER,
A. D. LONG.