

(No Model.)

J. W. SNEDEKER.
DOOR MAT.

No. 602,608.

Patented Apr. 19, 1898.

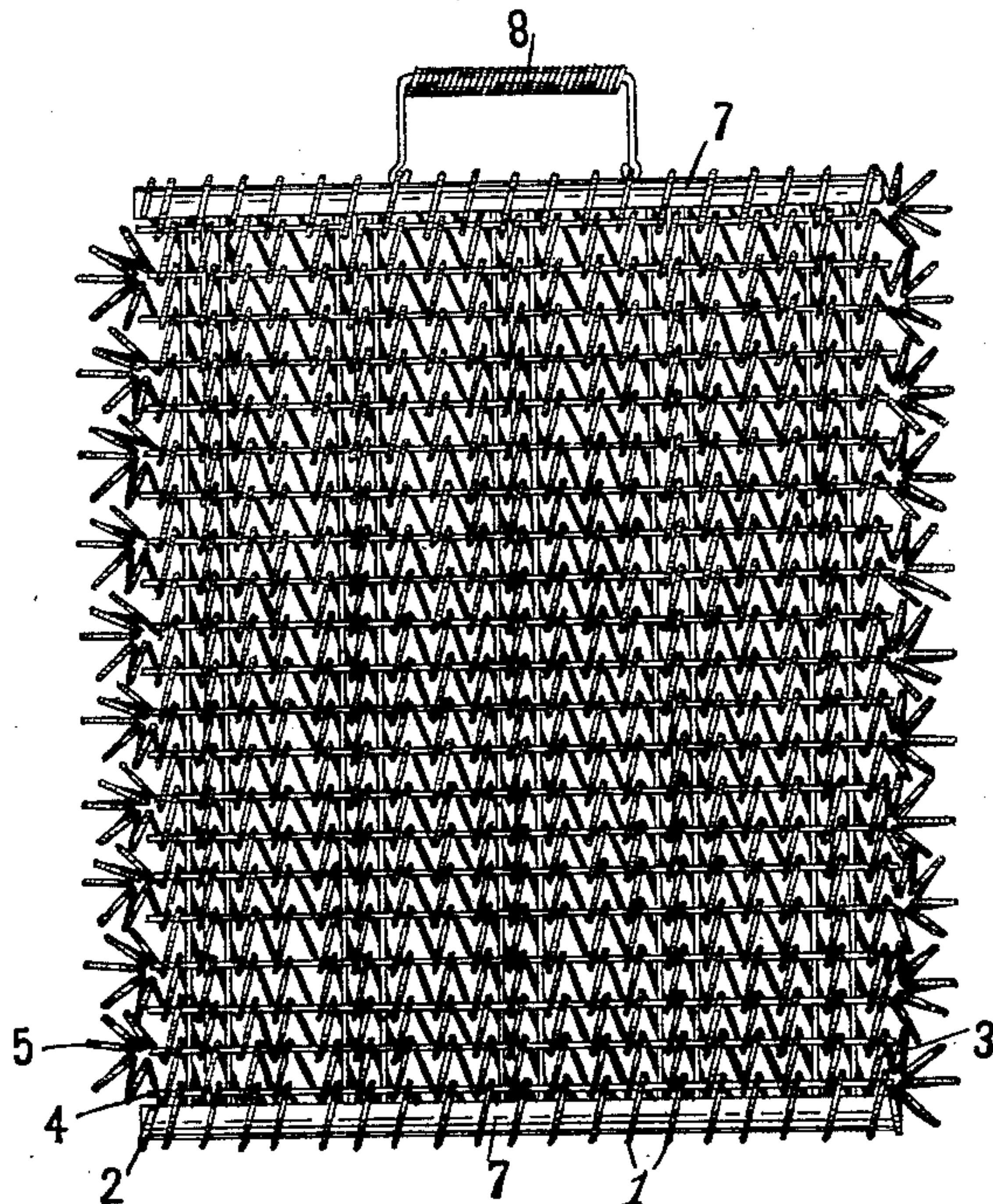


Fig. 1

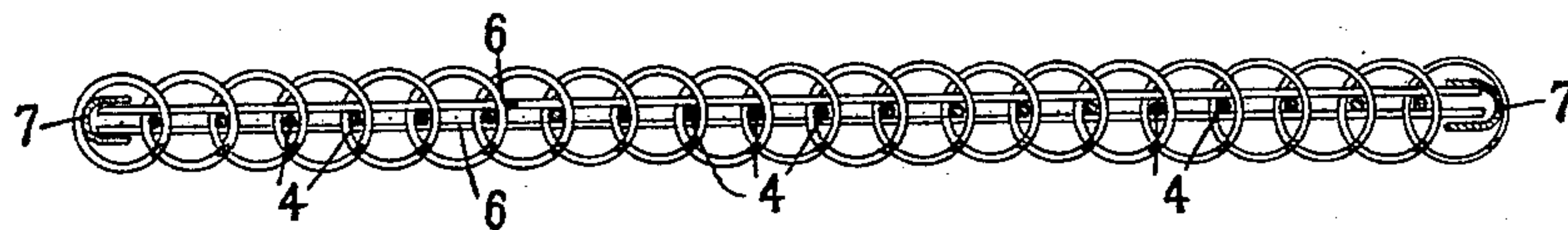


Fig. 2

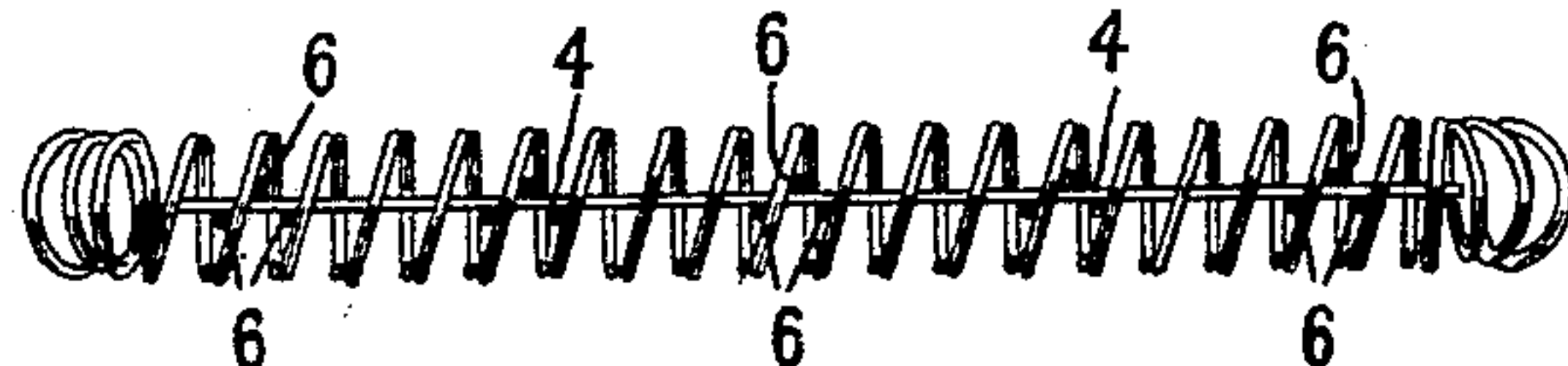


Fig. 3

WITNESSES.

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WOVEN WIRE FENCE COMPANY, OF SAME PLACE.

DOOR-MAT.

SPECIFICATION forming part of Letters Patent No. 602,608, dated April 19, 1898.

Application filed April 30, 1897. Serial No. 634,554. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. SNEDEKER, a citizen of the United States, residing at Adrian, in the county of Lenawee and State of Michigan, have invented certain new and useful Improvements in Door-Mats; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to an improvement in door-mats; and my object is to provide both a handsome and durable mat and an improved method of manufacturing the same, to the end that it shall be cheaply produced.

I accomplish my object by making the mat, in its preferred form, of a continuous coil of wire bent upon itself to produce parallel portions side by side and of a length corresponding to the width of mat desired, the number of parallel portions or lengths being multiplied at will to produce the desired length of mat, and the coils being fastened together and stiffened, substantially as hereinafter pointed out.

Broadly stated, my invention consists, first, in a mat made up from coils of wire placed side by side, so as to cause the coils to intermesh, and having its coils knit together by means of wire needles, the mat being supplied with suitable means for stiffening it longitudinally, and, second, in the improved process for making a mat herein set forth.

In the drawings, Figure 1 is a plan view of my improved door-mat. Fig. 2 is a longitudinal section through Fig. 1, and Fig. 3 is a transverse section through Fig. 1.

The body portion of my improved mat preferably is made of a continuous spiral coil of wire 1, said wire being of such gage as to give the requisite stiffness. Referring to Fig. 1, said coil starts at a point 2, from whence it is extended to the right till a length equal to the desired width of mat is laid off, when it is folded upon itself to produce a second length of coil, (designated 3,) the coils of which mesh with the coils of the first length. The coil lengths being held thus, a transverse or woof wire 4 is inserted to bind them together. The

coil is then bent upon itself at 5 and extended again to the right, the new coil length having its coils intermeshing with the coils of the next preceding one, when a second woof-wire is inserted. This process is kept up till the desired length of mat is produced, after which warp or stiffening wires are passed longitudinally through the mat, these preferably alternating in position above and below the woof or cross wires. The longitudinal wires are kept in place by means of curved metal guards 7, passed longitudinally into the transversely-extending end coils.

To fix the woof or cross wires firmly in place, the mat is subjected to a stretching operation in the direction of its length, and this may be done at any time after the woof-wires are in place, though preferably after the last step above mentioned.

By making the mat from a continuous coil two important things are accomplished. First, the bending of a coil length upon itself causes the convolutions or individual coils at the end to project at an angle to each other, and when the coil lengths are brought closely together the end loops intermesh in a manner to produce an exceedingly handsome border, and, second, after the stretching operation the wire is permanently set, so that the cross-wires are firmly fixed. It is obvious, however, that a very desirable mat may be produced by using separate coil lengths, the coils being caused to intermesh and suitable means for stiffening the mat longitudinally being provided.

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

1. A door-mat comprising a continuous coil folded upon itself to produce parallel coil lengths having intermeshing coils, and woof-wires binding the coil lengths together, substantially as described.

2. A door-mat comprising parallel wire coil lengths having intermeshing coils and bound together by woof-wires inserted longitudinally through the coils, and longitudinal stiffening-wires inserted through the coil lengths transversely thereof, substantially as described.

3. A door-mat comprising parallel wire coil lengths having intermeshing coils, woof-wires

inserted longitudinally through the coil lengths to secure them together, and longitudinal stiffening-wires inserted through the coil lengths transversely thereof alternately
5 above and below the woof-wires, substantially as described.

4. A door-mat comprising a continuous coil of wire bent upon itself to form parallel coil lengths, woof-wires binding said coil lengths
10 together, stiffening-wires inserted through

the coils crosswise thereof, and end guards inserted longitudinally through the end coil lengths, substantially as and for the purpose set forth.

In testimony whereof I affix my signature 15
in presence of two witnesses.

JAMES W. SNEDEKER.

Witnesses:

JOHN W. SNEDEKER,
R. B. ROBBINS.