

(No Model.)

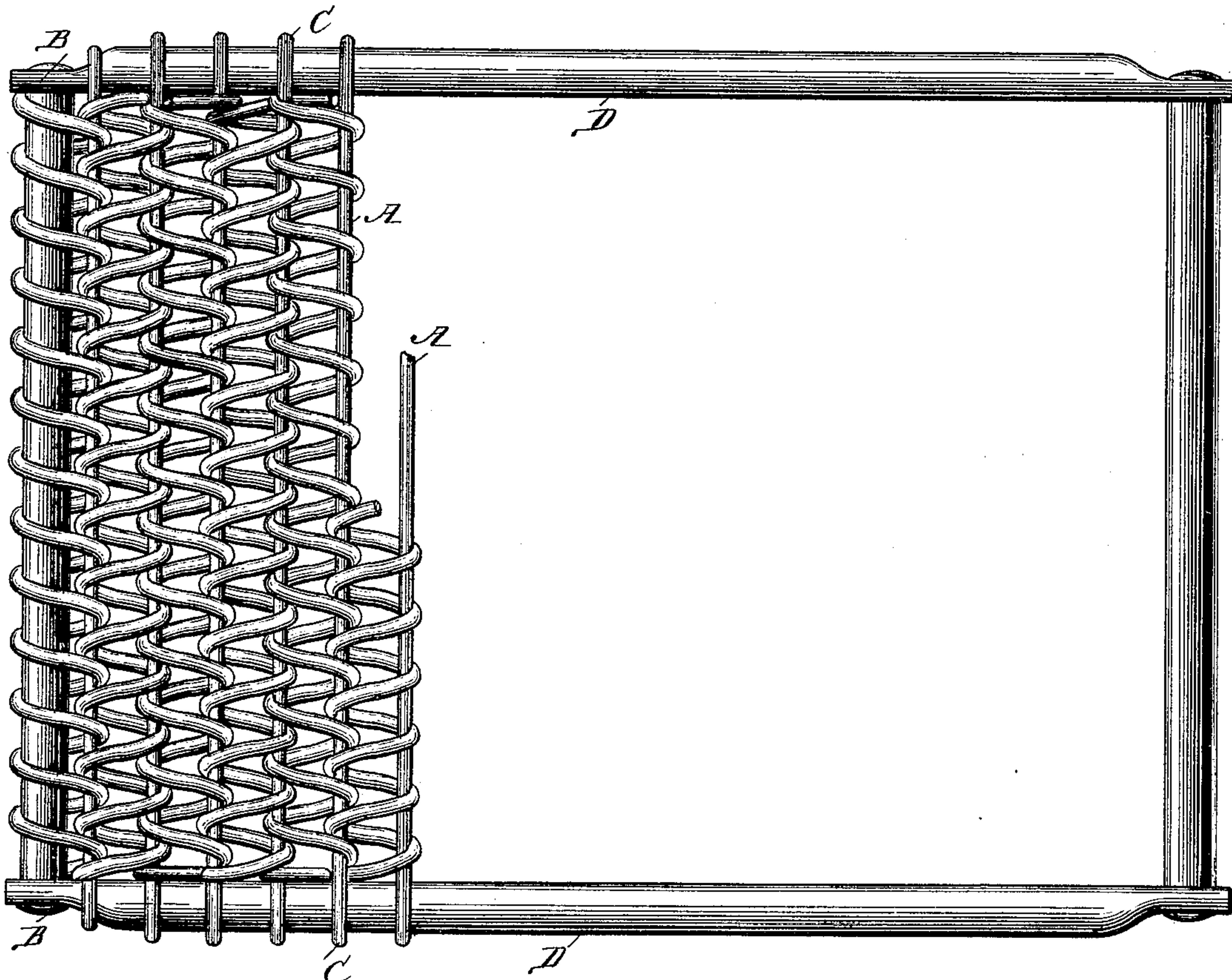
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WIRE MAT.

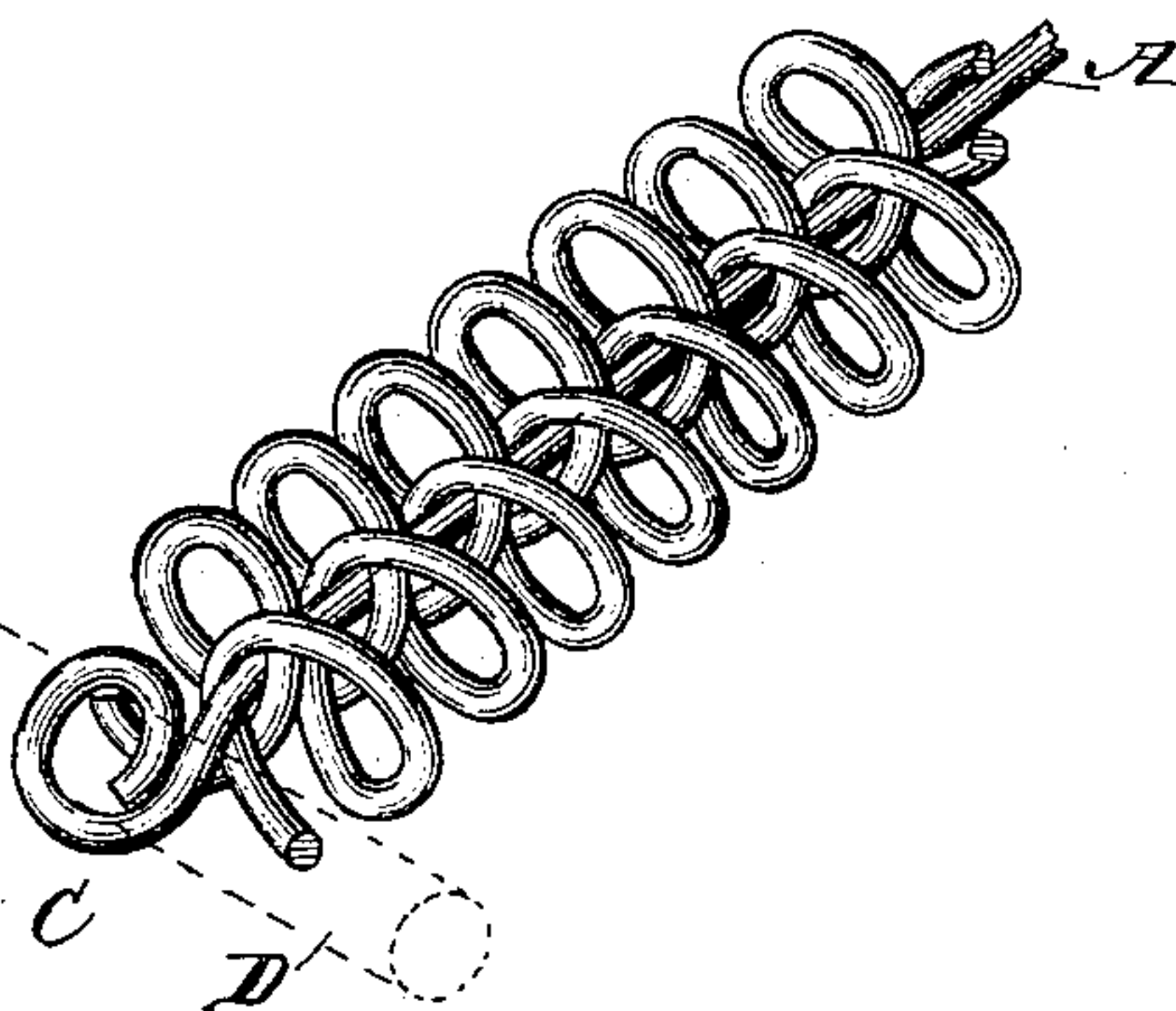
No. 386,126.

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*Fig. 1.*



*Fig. 2.*



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# UNITED STATES PATENT OFFICE.

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## WIRE MAT.

SPECIFICATION forming part of Letters Patent No. 386,126, dated July 17, 1888.

Application filed June 11, 1887. Serial No. 241,032. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK HAINSWORTH, a citizen of the United States, residing in the city of Chicago, in the State of Illinois, have made certain new and useful Improvements in Wire Mats Made of Woven-Wire Fabrics, of which the following is a specification.

The object of this invention is to provide a wire mat, as hereinafter will appear.

Figure 1 is a plan view. Fig. 2 is a detail showing the right and left coiling of the strands and the means of joining or uniting them together.

I take wire of the proper size and coil it to the right hand and the same amount of the same size and coil it to the left hand. The coiled wire of each kind is cut of equal length and placed side by side of each other, when the curved parts of one piece will pass between the curved parts of the other, as shown in Figs. 1 and 2. I then take a wire, A, and insert it through the curved parts that have passed each other. Thus the two coils of wire are locked together. (See Figs. 1 and 2.) This operation of forming the fabric as above described is continued until a sufficient fabric is made for use, as desired. A border or frame is placed around the fabric in the following manner: Through the outer coils on two sides of the fabric is inserted the rod or whatever material

the border is made of, as shown at B, Fig. 1. The ends of the locking-wires A are wound around other rods forming the remainder of the border, as shown in Fig. 1 at C. In Fig. 2 the dotted lines D show or indicate one side of the border or frame. This right and left coiling of the strands and joining them together, as herein shown, causes the surface of the fabric to present a checked or broken appearance. At the same time it is very strong and durable.

In the fabric the wires coiled to the right alternate with the wires coiled to the left—that is, every other one is coiled to the right and every other one is coiled to the left.

I claim—

As an article of manufacture, a mat made of coiled wire, one strand of which is coiled to the left and one strand coiled to the right, and the two coils joined together by a straight wire and provided with a border, on two sides of which the rods forming the border pass through the coils, and on the remainder of the sides the ends of the straight wires are wound around the rods forming the border, substantially as shown.

FREDERICK HAINSWORTH.

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