

(No Model.)

C. A. MANN.

WIRE FENCE.

No. 284,218.

Patented Sept. 4, 1883.

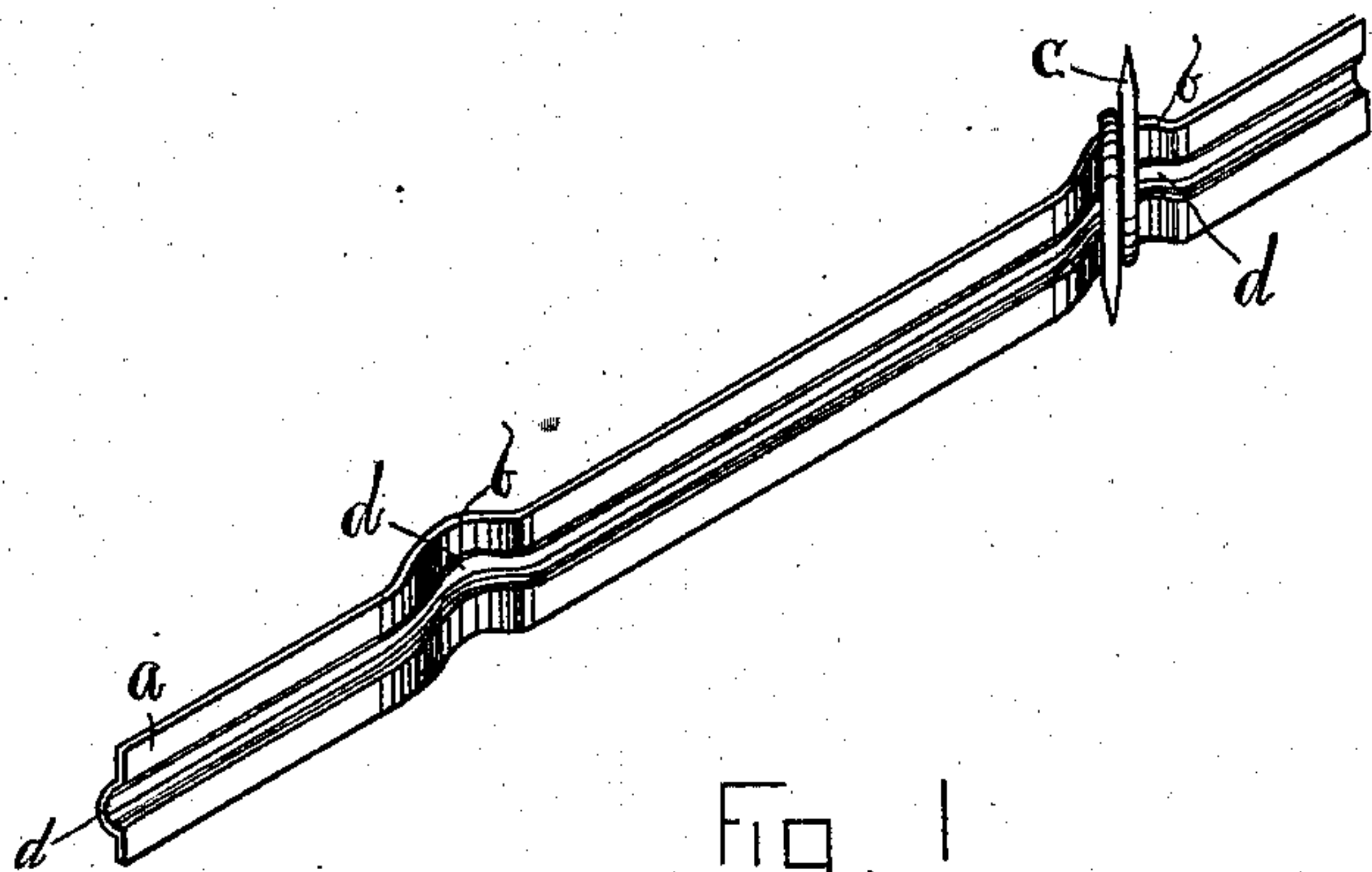


Fig. 1

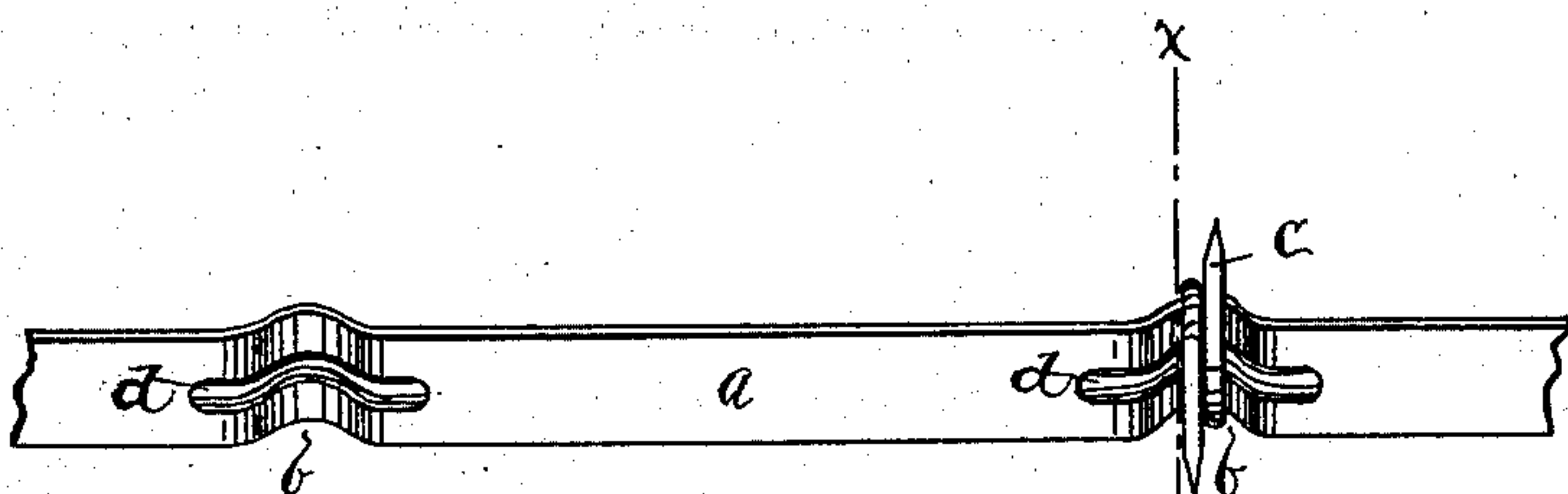


Fig. 2



Fig. 3

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WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 284,218, dated September 4, 1883.

Application filed November 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. MANN, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Wire Fences; 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, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention consists in certain improvements in that form of wire fence for which Letters Patent No. 266,705 were granted to me on the 31st day of October, 1882. I have since found in practice that the wire which rested in the longitudinal groove in the flat metal strip, and which formed an important element in the invention covered by my above-named patent, can be dispensed with in some instances and under some conditions, while at other times it is indispensable.

My present invention therefore consists, essentially, of a flat metal strip provided at suitable intervals with transverse bends or grooves for the reception of the barbs, such transverse bends or grooves having a longitudinal strengthening groove or rib struck up from the flat strip, all as will more fully hereinafter be described and claimed.

In the drawings, Figure 1 is a perspective view of a flat metal strip embodying my invention. Fig. 2 is a view of a modified form, and Fig. 3 is a section taken in the line *x x* of Fig. 2.

Referring to the drawings, *a* is the flat metal strip, and *b b* are the transverse grooves or bends in the strip for the reception of the barbs *c*. In order to strengthen the grooves or bends *b b* and prevent their being flattened out under the strain to which the strip is subjected when stretched between posts, I have provided such grooves or bends *b b* with the strengthening groove or rib *d*, which, as shown in Fig. 1, extends the entire length of the strip.

This form of strip is, perhaps, the easiest to construct, although the groove or rib *d* only performs its function at the transverse groove or bend *b*, which function is to strengthen the groove or bend *b*, so that while it cannot be flattened out under strain it will yet yield sufficiently to compensate for any contraction which might take place in the strip under extremely low temperatures.

In Fig. 2 I have shown a modified form of strip in which the strengthening rib or groove *d* is extended only a short distance beyond the transverse bend or groove *b* at each end thereof, the strip being perfectly flat between the transverse bends or grooves.

In the drawings I have shown the barb *c* as constructed, preferably, of wire, and my peculiar form of strip is particularly adapted to such wire barb, as clearly illustrated in Fig. 3, for the rib *d* in the bend *b* enlarges the cross-section of the strip at that point sufficiently to prevent the wire of the barb being bent too abruptly, and thereby broken.

I am aware that it is not novel, broadly, to construct a metal strip with transverse grooves or bends, and I do not therefore claim such construction; but

What I do claim as of my invention is—

1. In a wire fence, a flat metal strip provided at suitable intervals with transverse bends or grooves for the reception of barbs, such transverse bends or grooves having strengthening grooves or ribs struck up from the flat strip, as and for the purpose stated.

2. In a wire fence, the combination, with a flat metal strip provided at suitable intervals with transverse bends or grooves, such transverse bends or grooves being provided with strengthening grooves or ribs, of suitable barbs secured in the transverse bends, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES A. MANN.

Witnesses:

W. T. MILLER,
OTTO HODDICK.