

J. W. CHILDS.

BARBED FENCE.

No. 285,229.

Patented Sept. 18, 1883.

Fig. 1

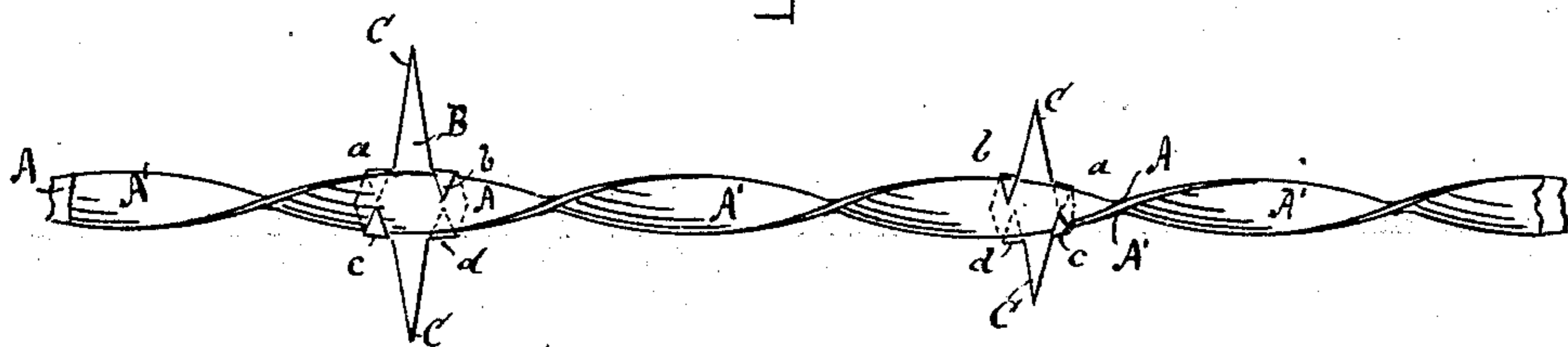


Fig. 2

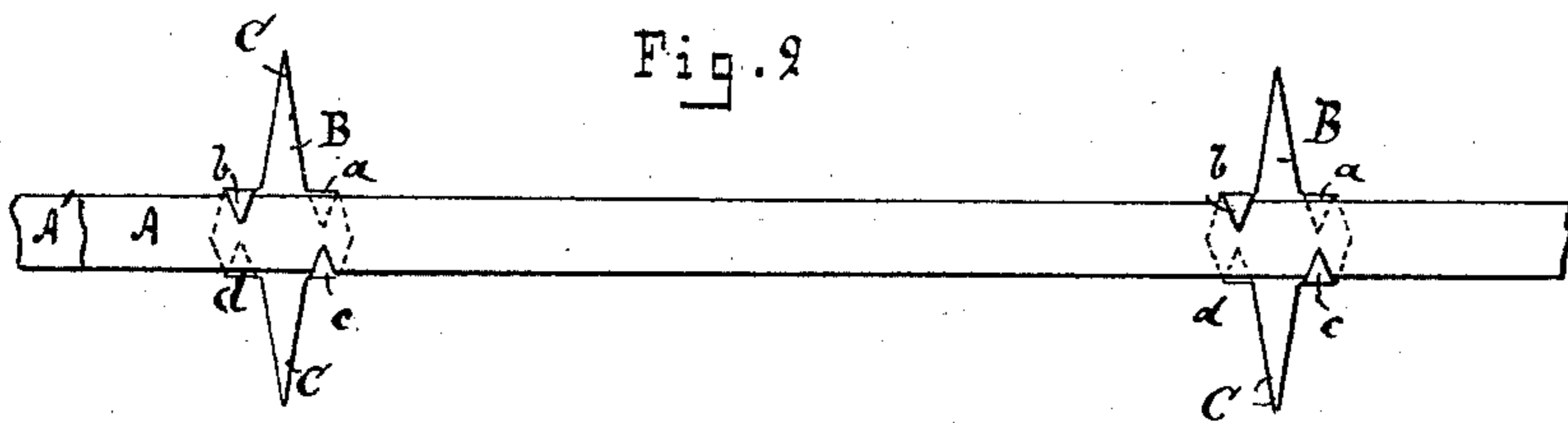


Fig. 3

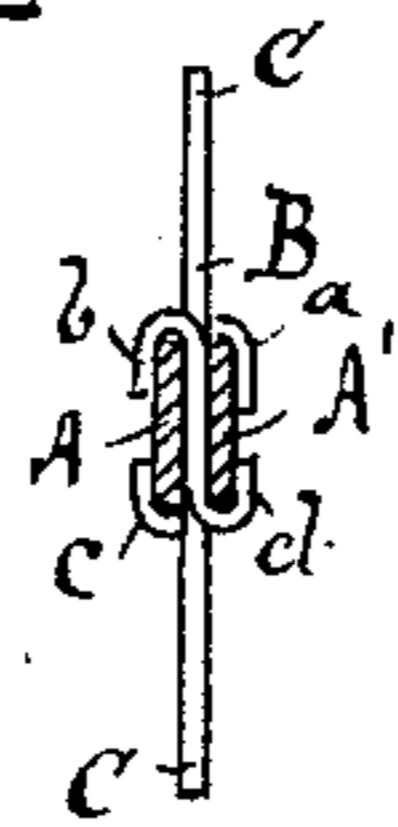
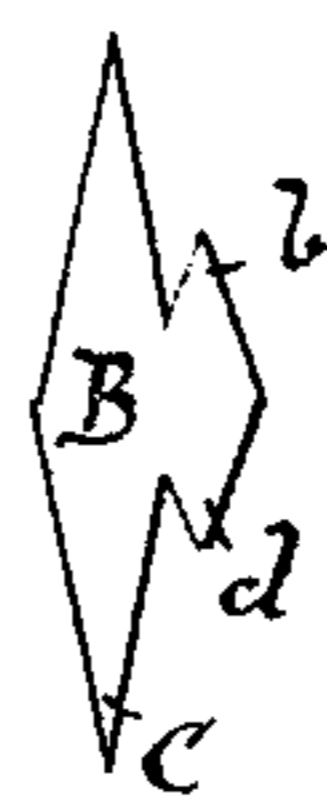


Fig. 4



Fig. 5



WITNESSES

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BARBED FENCE.

SPECIFICATION forming part of Letters Patent No. 285,229, dated September 18, 1883.

Application filed January 23, 1879.

To all whom it may concern:

Be it known that I, J. WALLACE CHILDS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Barbed Fences, of which the following is a specification.

This invention relates to that class of fences in which the rails or strands are formed of metal, provided at suitable intervals with metallic barbs or spurs, for the purpose of inclosing fields and preventing stock from rubbing against the rails or strands or breaking down or through the fences, the merit and durability of such fences being so well known that further statements as to their usefulness are not deemed essential.

My invention consists in combining with the strands of a fence-rail a sheet-metal barb which is interposed or inserted between the strands composing the fence-rail, said sheet-metal barb being provided with lips or wings in such a manner that the lips or wings can be bent in opposite directions for connecting firmly with the different strands composing the fence-rail, whereby the barbs are supported and securely affixed to the fence-rail and the strands prevented from untwisting, thus forming a compound barb fence-rail.

In the drawings, Figure 1 represents a portion of a metal fence-rail composed of two strands, with a barb inserted between the two strands, the strands being twisted. Fig. 2 represents a similar view prior to the strands being twisted. Fig. 3 represents a transverse section of Figs. 1 and 2. Fig. 4 represents a plan view of the barb, having on each edge lips or wings in duplicate, ready to be bent in opposite directions for connecting with the two strands forming the fence-rail. Fig. 5 represents a plan view of a similar barb, except that it is supplied only on one edge with lips or wings for connecting with the two strands forming the fence-rail.

Like letters of reference indicate corresponding parts in each figure.

In the said drawings, A A' represent two strands of metal, which, when arranged in

close proximity to each other, as in Fig. 2, form an untwisted metal fence-rail, or, when said strands are arranged in close proximity to each other and then twisted together, form a twisted fence-rail, as in Fig. 1. At suitable intervals along the double-strand fence-rail, and between the strands composing the same, is arranged a barb, B, formed of sheet metal, having at each end of its base or body portion a spur or point, C, forming barb-points, and along one edge or side of said base or body portion two wings or lips, *b d*, as in Fig. 5, or duplicate wings or lips *a c b d* on each side or edge of the base or body portion, as in Fig. 4. These wings or lips, as shown in both of said figures, have their ends pointing in the same direction as the spurs or points C C, and this position they occupy until connected with the two strands to form a fence-rail. The manner of combining and connecting either of the barbs with the two metallic strands is in all instances substantially the same, and is accomplished by interposing or inserting between the strands, at a suitable distance apart, a barb of either of the described constructions, so that the body of the barb lies between the strands, with the spurs or points projecting to perform their office, while the wings *b d* are bent in opposite directions, and each caused to grasp and connect with a single strand in such a manner that the strands are joined together in close proximity to each other, and each wing or lip stands on opposite sides of the barb, bent and clinched upon its selected strand, whereby when the two strands are twisted the wings or lips firmly hold the strands together and securely connect the barb in position, and at the same time prevent the strands from untwisting.

When a barb such as shown in Fig. 4 is employed, the mode of inserting between the strands is precisely the same as the mode described for inserting the barb shown in Fig. 5, except in so far that duplicate wings or lips are employed on each side or edge of the body or base of the barb, there being a duplicate connection for each strand, instead of a single connection, as indicated in Fig. 5; but in either

instance it is evident that the two strands forming the fence-rail will be joined or connected together in close proximity to each other, with the barb lying between them.

5 Having thus described my invention, what I claim is—

1. The combination, with the strands of a fence-rail, of a sheet-metal barb inserted between the strands and provided with lips or
10 wings bent in opposite directions over different strands, substantially as described.

2. The combination of two flat metal strips, A and A', and a sheet-metal barb or clasp provided with two points at diagonal corners, bent over the strip A, and two points at the
15 opposite diagonal corners, bent over the strip A', substantially as and for the purpose described.

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Witnesses:

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