

No. 683,672.

Patented Oct. 1, 1901.

A. W. WELLMAN.
METALLIC CLIP FOR WIRE FENCES.

(Application filed May 27, 1901.)

(No Model.)

Fig. 1.

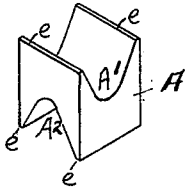


Fig. 2.

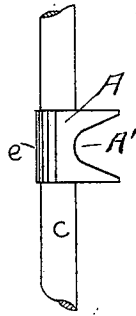


Fig. 3.

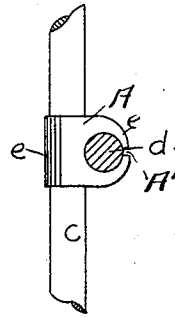


Fig. 4.

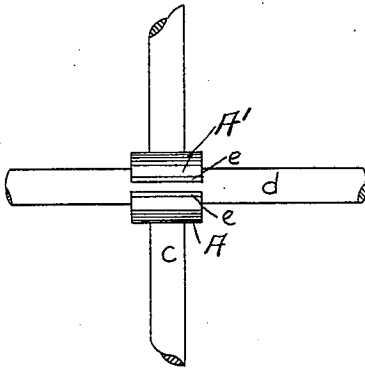
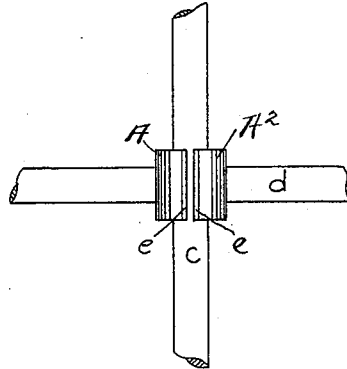


Fig. 5.



WITNESSES:

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METALLIC CLIP FOR WIRE FENCES.

SPECIFICATION forming part of Letters Patent No. 683,672, dated October 1, 1901.

Application filed May 27, 1901. Serial No. 62,101. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR W. WELLMAN, a citizen of the United States, residing at Madison, in the county of Dane and State of Wisconsin, have invented certain new and useful Improvements in Metallic Clips for Wire Fences, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to a metallic clip especially adapted for use in securing together the intersecting wires in fences or other structures at their point of intersection.

The invention has for its object to provide a block of suitable bendable metal having upon opposite faces grooves extending at an angle to each other and having jaws at each side of said grooves adapted to be bent toward each other and retain a wire within the groove.

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

In the drawings, Figure 1 is a perspective of the clip-block. Fig. 2 is an elevation thereof with the jaws open. Fig. 3 is a similar view with the jaws closed. Fig. 4 is a front elevation of one set of jaws, and Fig. 5 is a similar view of the opposite set.

Like letters of reference indicate like parts throughout the several figures of the drawings.

The letter A designates a metallic block of any suitable material—for instance, soft steel—and adapted to be formed by a single stamping operation or rolled in a bar or length and cut therefrom. The block A has upon one face thereof a groove A', and upon the opposite face a similar groove A², extending at an angle to the groove A', usually at a right angle, as shown in the accompanying drawings. At the opposite sides of these grooves extended jaws *e* are provided, and the body of metal of the block is suitably tapered or beveled toward the free end of these jaws in order that the same may be easily bent toward each other and upon the strands of wire *c* and *d*, located within the grooves, as shown by Fig. 3. The jaws may be bent to any desired extent necessary to fit differ-

ent sizes or diameters of wire, and thus tightly retain the wires passing through the opposite grooves in their relation to each other at the point of intersection. These jaws may be bent inwardly by any suitable tool for the purpose of locking the wires, and when so disposed provide a locking means which cannot be readily opened, as when made of sheet material, and thus provide a rigid and secure locking-clip for the wires at their point of intersection with the least possible amount of material between the oppositely-disposed grooves, while the locking-jaws may be of the desired thickness to firmly hold the wire.

From the foregoing description the operation of the invention will be clearly apparent, and it will be observed that by forming this clip from a bar of bendable metal the same may be stouter, adapted to be formed by a single operation, and consume less material than is necessary for the clip when formed of sheet metal. It will also be apparent that the jaws *e* when bent upon the wire provide a sufficiently-strong locking device to resist the strain incident to pressure upon the wire—for instance, the horizontal strain when a person places the weight of his body thereon, as in climbing the fence—which strain, with the sheet material, opens the clip and destroys its usefulness.

Having described my invention and set forth its merits, what I claim as new, and desire to secure by Letters Patent, is—

A metallic clip comprising a block having opposite faces of equal lengths provided with grooves extending at an angle to and in close proximity with each other, and jaws extending the length of said block at opposite sides of each groove and adapted to be bent inward toward each other to retain intersecting wires within each groove approximately in contact with each other; 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.

ARTHUR W. WELLMAN.

Witnesses:

JOHN M. CLIFFORD,
GEO. H. PUTNAM.