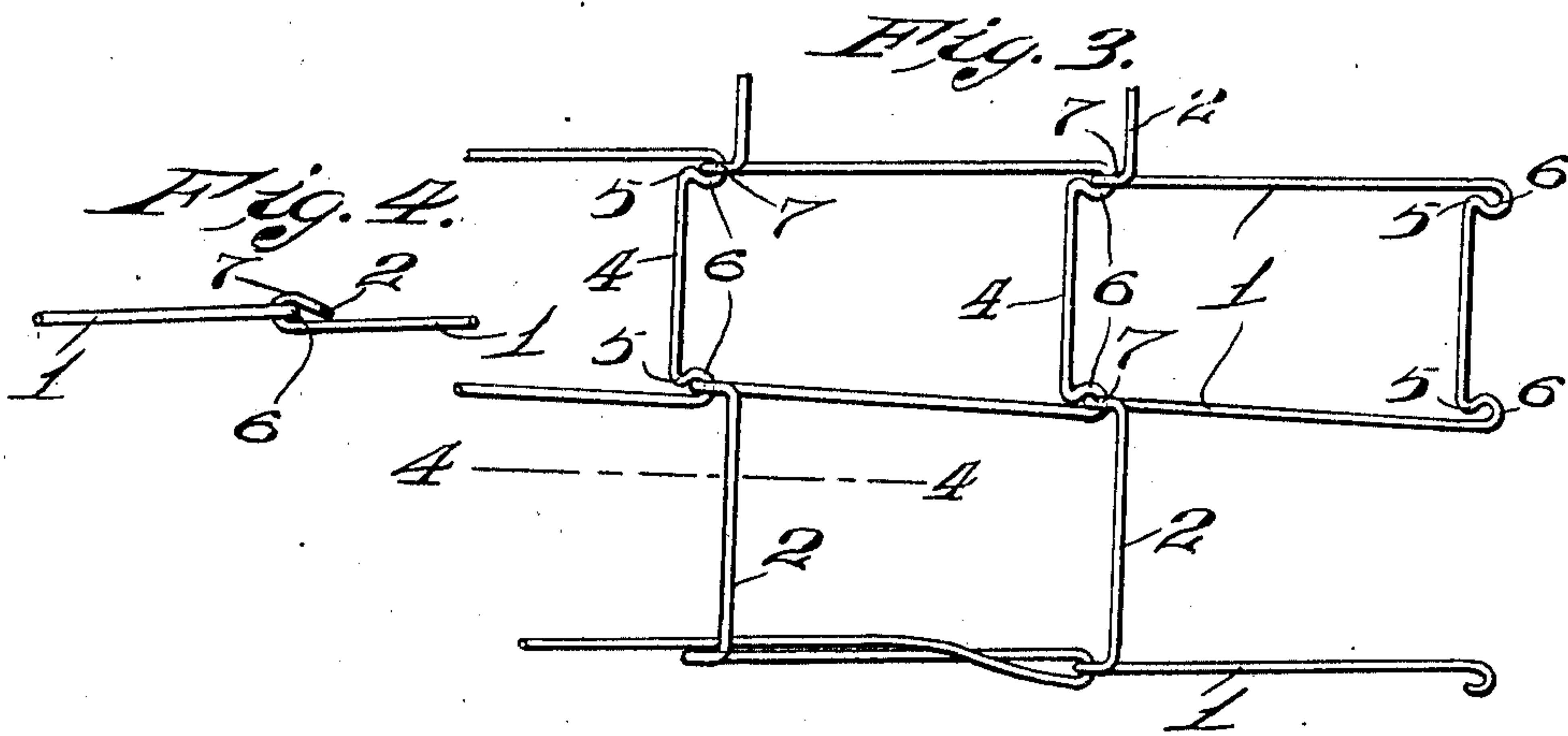
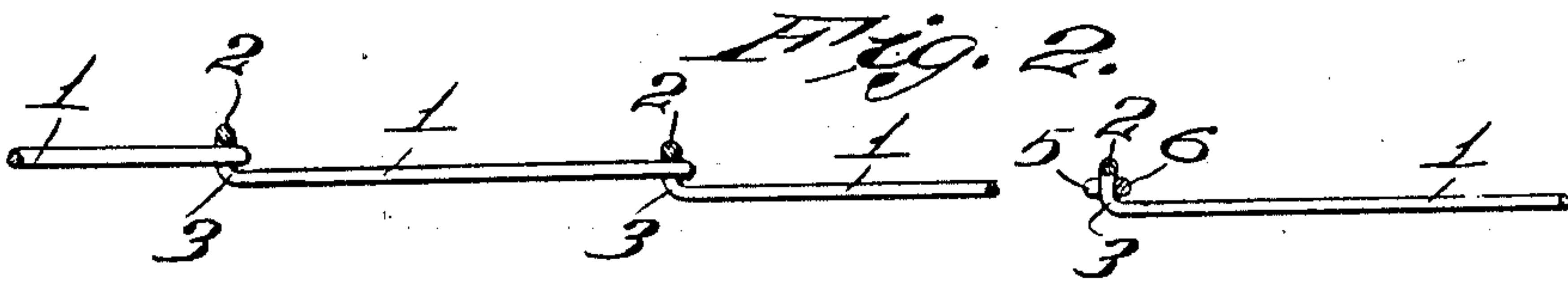
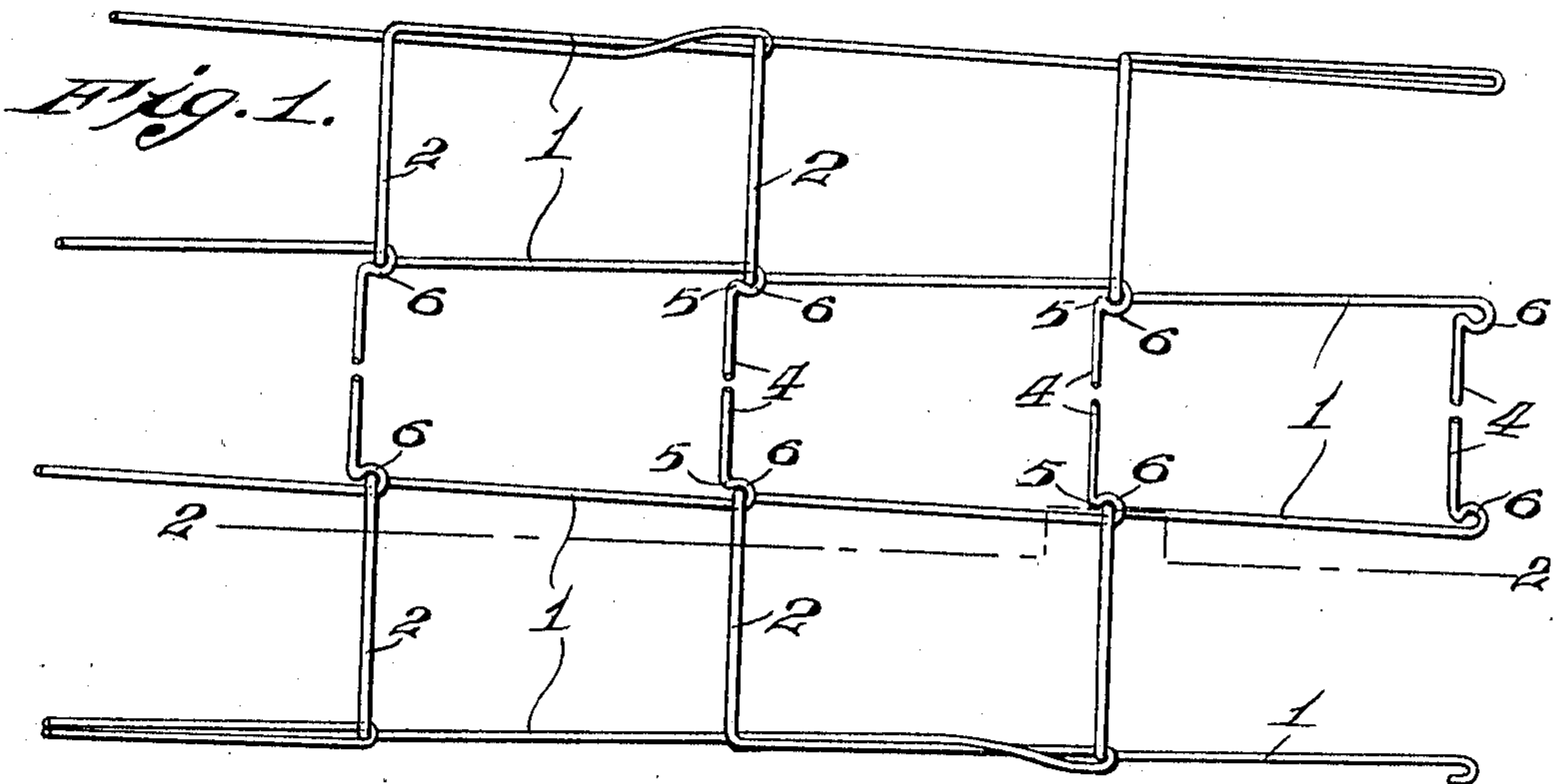


I. J. YOUNG.
WOVEN WIRE FENCE.
APPLICATION FILED NOV. 28, 1908.

970,594.

Patented Sept. 20, 1910.



attest.
A. G. Fletcher.
M. O. Smith

Inventor.
Ira J. Young.
By Higdon & Jorgensen.
Attys.

UNITED STATES PATENT OFFICE.

IRA J. YOUNG, OF ST. LOUIS, MISSOURI, ASSIGNOR TO GREAT WESTERN WIRE FENCE
& MFG. CO., OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI.

WOVEN-WIRE FENCE.

970,594.

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Application filed November 28, 1908. Serial No. 464,982.

To all whom it may concern:

Be it known that I, IRA J. YOUNG, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Woven-Wire Fences, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to woven wire fences, the object of my invention being to construct a fabric from a single strand of wire woven or looped together by suitable means, in order to form a fabric particularly adapted for use as a fence, and the loops of which fabric are so united as to effectually prevent any lateral or vertical movement of the loops relative to one another, thus preserving the shape of the loops or meshes and providing a strong substantial construction which will resist a great amount of strain in any direction.

A further object of my invention is to generally improve the construction of the woven wire fence shown and described in a patent issued to me March 19, 1907, No. 847,871.

To the above purposes, my invention consists in certain features of novelty hereinafter described, claimed and shown in the accompanying drawings, in which:

Figure 1 is an elevation of a short section of wire fence constructed in accordance with my invention; Fig. 2 is a longitudinal section taken on the line 2—2 of Fig. 1; Fig. 3 is an elevation of a small portion of a modified form of the fence; Fig. 4 is a detail section taken on the line 4—4 of Fig. 3.

My improved fence as shown is made from a single strand of wire which passes through a suitable weaving means, such as an automatic machine, which forms the wire into a series of alternately arranged rectangular loops, each of which comprises a pair of horizontally disposed sections 1, which are approximately parallel with one another, and one end of each loop being joined by the vertical sections 2, and the ends of the horizontal sections 1 immediately adjacent these vertical sections 2 are bent at right angles, as designated by 3, in order to bring the sections 2 into a plane immediately in front of the plane occupied by said sections 1.

The opposite ends of the sections 1 are joined by the vertical sections 4, and the wire at the corners between the sections 1 and 4 passes around and engages in the corners between the sections 1 and 2 of the adjacent series of loops, and the ends of the sections 4 are crimped or bent as designated by 5 to form loops 6 around the laterally bent ends of the sections 1, and by thus bending the ends of said sections 1 laterally and forming the loops 6 at the ends of the sections 4 the loops of the fabric are joined at the corners in such a manner as to prevent any lateral or longitudinal movement of the loops relative to one another.

In the modified form of the fence seen in Figs. 3 and 4, the ends of the sections 2 are bent to form horizontal loops 7 around the loops 6, and thus bringing the sections 2 into such positions as that their ends bear upon the end portions of the sections 1.

A wire fence of my improved construction can be very easily and cheaply manufactured, can be made in any width and with any sized loops or meshes, and while the fabric is particularly intended to be used for fences, the loops of the fabric may vary in size in order that the fabric may be used for metal lathing, metal fabric for bed bottoms and chair seats, for the manufacture of wire glass, and for similar uses where a light strong and durable metal fabric is desired.

I claim—

1. A woven wire fabric, constructed of a single strand of wire formed into rows of alternately arranged loops, the ends of one row of loops engaging the ends of the adjacent rows of loops, one end of each loop being bent laterally and the opposite end portion of the loop being provided with small loops at its ends, which encircle the laterally bent end portions of the next adjacent row of loops, and interlock the alternately arranged loops against movement relative to each other.

2. A woven wire fabric formed from a single strand of wire bent into vertical rows of alternately arranged rectangular loops, one end section of each loop being bent laterally relative to the plane occupied by the top and bottom sections of said loop, and the opposite end section of each loop having its ends crimped to encircle and interlock

against movement with the ends of the laterally bent end section of the next adjacent loop.

3. A woven wire fabric constructed of a single strand of wire formed into vertical rows of alternately arranged rectangular loops, the loops of one row engaging the loops of the adjacent rows, the end sections of the alternate loops of each row being bent laterally relative to the top and bottom sections of said loops, and the end sections joining the opposite ends of the alternate loops being

crimped at their ends to interlock against movement with the ends of the laterally bent end sections of the adjacent row of loops.

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

IRA J. YOUNG.

Witnesses:

M. P. SMITH,

E. L. WALLACE.