

E. GALE.
Wire Fence.

No. 39,563.

Patented Aug. 18, 1863.

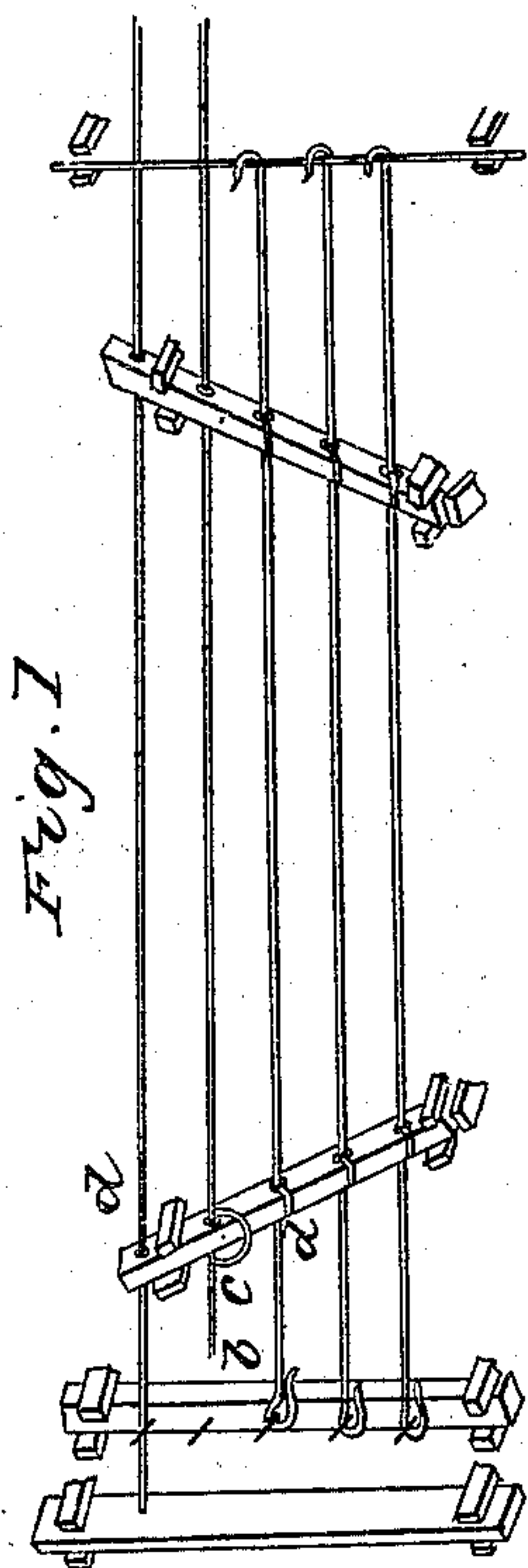
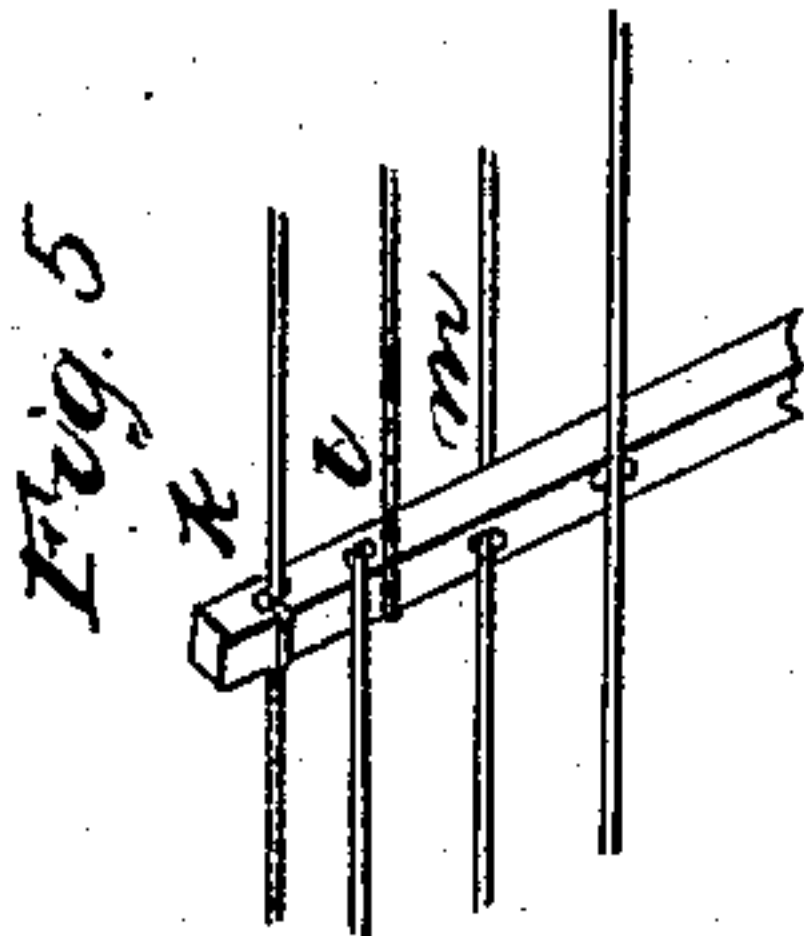
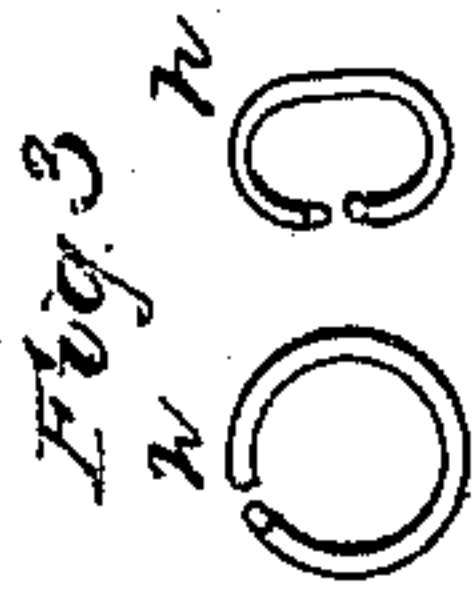


Fig. 2

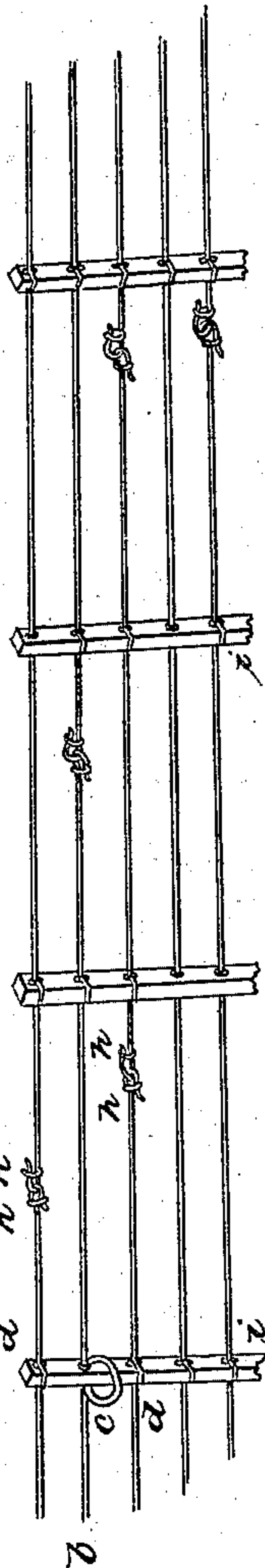
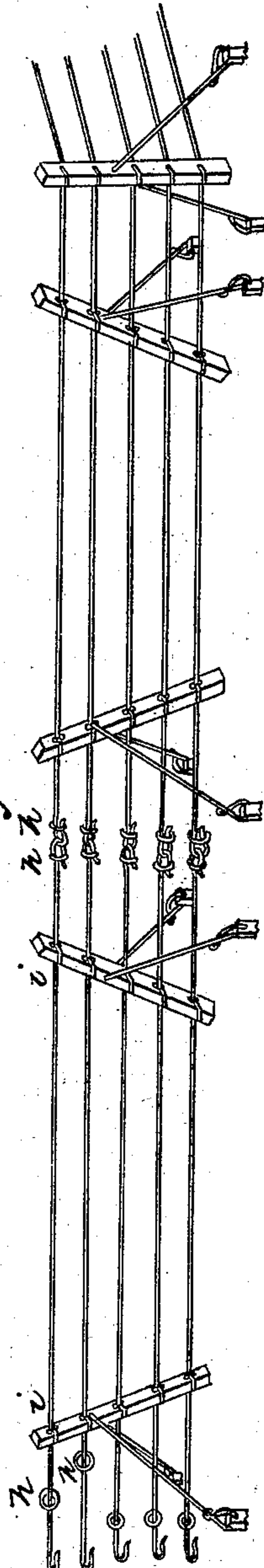


Fig. 4



witnesses
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UNITED STATES PATENT OFFICE.

ELBRIDGE GALE, OF PAVILION, ILLINOIS.

IMPROVEMENT IN WIRE FENCES.

Specification forming part of Letters Patent No. 39,563, dated August 18, 1863.

To all whom it may concern:

Be it known that I, ELBRIDGE GALE, of Pavilion, in the county of Kendall and State of Illinois, have invented a new and improved mode of constructing wire fences, made in sections or otherwise, either for a permanent or portable fence; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which—

Figures I and IV represent the application of my improvement in the construction of my portable wire fence, patented November 25, 1862, and Fig. II represents the application of the same improvement in the construction of a permanent wire fence, and Fig. V represents the most convenient methods of fastening the wires to the posts.

My invention consists, first, in fastening the several wires of which the fence is composed to all or to as many of the fence-posts as may be deemed necessary, by looping or wrapping the wire around the whole or a portion of the post, as represented at *b d*, Figs. I and II, and *k l*, Fig. V, or by drawing the wire through the post and bending on either side, as seen at *m*, Fig. V, or the wire may be otherwise fastened, the object being to fasten the wires firmly to the posts at short intervals, so that they cannot be drawn along the line of the fence in either direction by the pressure of cattle.

This fence differs from an ordinary wire fence, first, in being self-supporting through its whole length, thus dispensing with the

anchor or draft posts at the ends; second, in equalizing the draft upon the wire and posts through the entire fence; third, in preventing cattle from gathering by pressure at one point all the slack there may be in many rods of fence, which often proves a serious difficulty with the common fence; fourth, in requiring a very slight draft upon the wire, thus leaving it at its full strength to resist the pressure of cattle; fifth, in doing away with all risk of stretching the wire, by which it becomes brittle and often nearly worthless.

My invention consists, second, in the use of a ring or link, as seen at *h*, Fig. III, for fastening the ends of the wires to each other, which is done by slipping the rings over the loops, as represented at *h h*, Figs. II and IV, and then giving the end of the wire a slight curve, to hold the ring in its place, thus dispensing with the necessity of twisting the wire in looping, thereby facilitating removal, also securing the greatest possible strength, and at the same time a considerable saving in wire.

What I claim is—

1. The fastening of the wire firmly to the posts by looping or wrapping the wire around the whole or a portion of the post, or by drawing the wire through the post and bending on either side, as described.

2. The use of the link *h*, in the manner and for the purpose set forth.

ELBRIDGE GALE.

Witnesses:

F. L. WICKHAM,
JEREMIAH J. COLE.