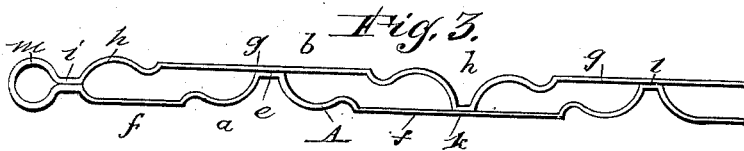
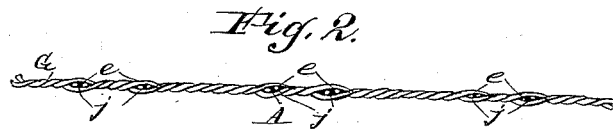
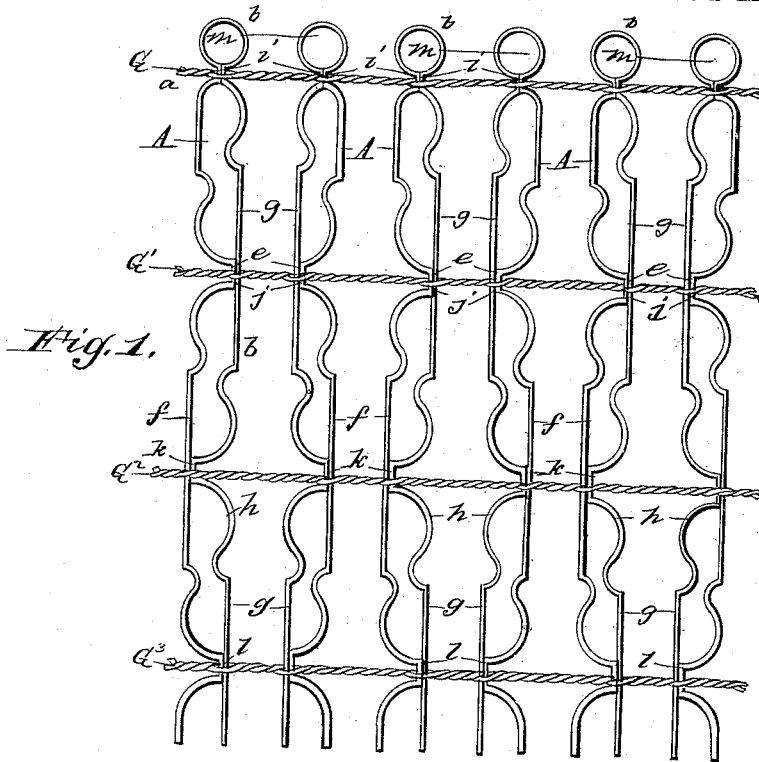


(No Model.)

M. M. SHELLABERGER.
WIRE FENCE.

No. 422,842.

Patented Mar. 4, 1890.



WITNESSES
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UNITED STATES PATENT OFFICE.

MICHAEL M. SHELLABERGER, OF BEAVER FALLS, PENNSYLVANIA.

WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 422,842, dated March 4, 1890.

Application filed May 27, 1889. Serial No. 312,263. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL M. SHELLABERGER, a citizen of the United States, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Wire Fences; and I do 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 the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to wire fences which comprise hair-pin-shaped pickets and longitudinal cables.

The object of the invention is the construction of a fence that will be ornamental and in which the two limbs of each picket will be brought together at points in their length and comprised between twists in the strands of the cables, whereby the pickets can be fed to the machine by hand the same as any flat or straight picket. The points in the length of the picket that are bound in the cables are not in the same straight line, hence the pickets will not turn relative to the line of fence.

The improvement consists in the novel features which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a side view of a wire fence embodying my invention. Fig. 2 is a horizontal section on the line X X of Fig. 1. Fig. 3 is a side view of a picket of my invention.

The hair-pin-shaped pickets A are each composed of two limbs *a* and *b*. The limb *a* has crimps or inward bends *e* and straight portions *f* between the crimps or bends *e*. The limb *b* has corresponding crimps or inward bends *h*, and straight portions *g* between the bends. The crimps or bends on one limb are arranged to come opposite the straight portions on the other limb, substantially as shown, and are sufficiently deflected to touch said straight portions at the points *j*, *k*, and *l*. The point *j* is at one side of the picket and the point *k* at the other side, and the point *l* on the same side of the picket with the point *j*.

The line joining these points *j*, *k*, and *l* represents the angle or resistance to the turning of the picket in the cables. Each picket has an ornamental top or loop *m*, beneath which the limbs are brought together, as at *i*, which point is out of line with the other points *j*, *k*, and *l*, thereby increasing the resistance to the turning of the picket. The strands of the cable G are twisted about the limbs of the picket at *i*, of cable G' at *j*, of cable G² at *k*, and of cable G³ at *l*. It will be observed that the alternate pickets are arranged in reverse order to the intermediate pickets, so that the bends or crimps in the limb of one picket will come opposite the bends or crimps in the opposing limb of the adjacent picket, thereby forming panels, which add to the appearance of the fence.

It will be understood that the outline of the crimps or bends will vary according to the pattern required, the essential feature being the hair-pin picket having its fastening-points *i j k*, &c., out of a straight line, whereby the picket can be twisted in between the strands of the cables by an ordinary fence-making machine and be held from turning.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The hereinbefore-specified hair-pin-shaped picket having crimps in its legs, the crimps in one leg being deflected to meet the other leg between its crimps, the meeting or touching points of the two legs being out of a straight line and adapted to be spanned by a single fastening, whereby the picket and the legs of the picket are prevented from turning on their axis, substantially as set forth.

2. The hereinbefore-specified wire fence composed of longitudinal cables and hair-pin-shaped pickets, which pickets have crimps in their legs, the crimps of one leg being deflected to meet the other leg between the crimps therein, the meeting-points of the legs being out of a straight line and bound in between single twists of the strands of the cable, substantially as described.

3. The herein shown and described wire fence comprised of longitudinal cables and hair-pin-shaped pickets, the legs having an

equal bend at the folded end and meeting at
i, and having alternate straight and bent por-
tions *f* and *e*, the bent portions of one leg
touching the straight portions of the other
5 leg at points *g*, *k*, and *l*, which are out of a
straight line and out of a line passing through
point *i*, the strands of the cables embracing
the legs of the pickets at the points *i*, *g*, *k*, and

l, in a single twist, substantially as described,
for the purpose specified. 10

In testimony whereof I affix my signature
in presence of two witnesses.

MICHAEL M. SHELLABERGER.

Witnesses:

J. F. MERRIMAN,

ALBERT P. HARKER.