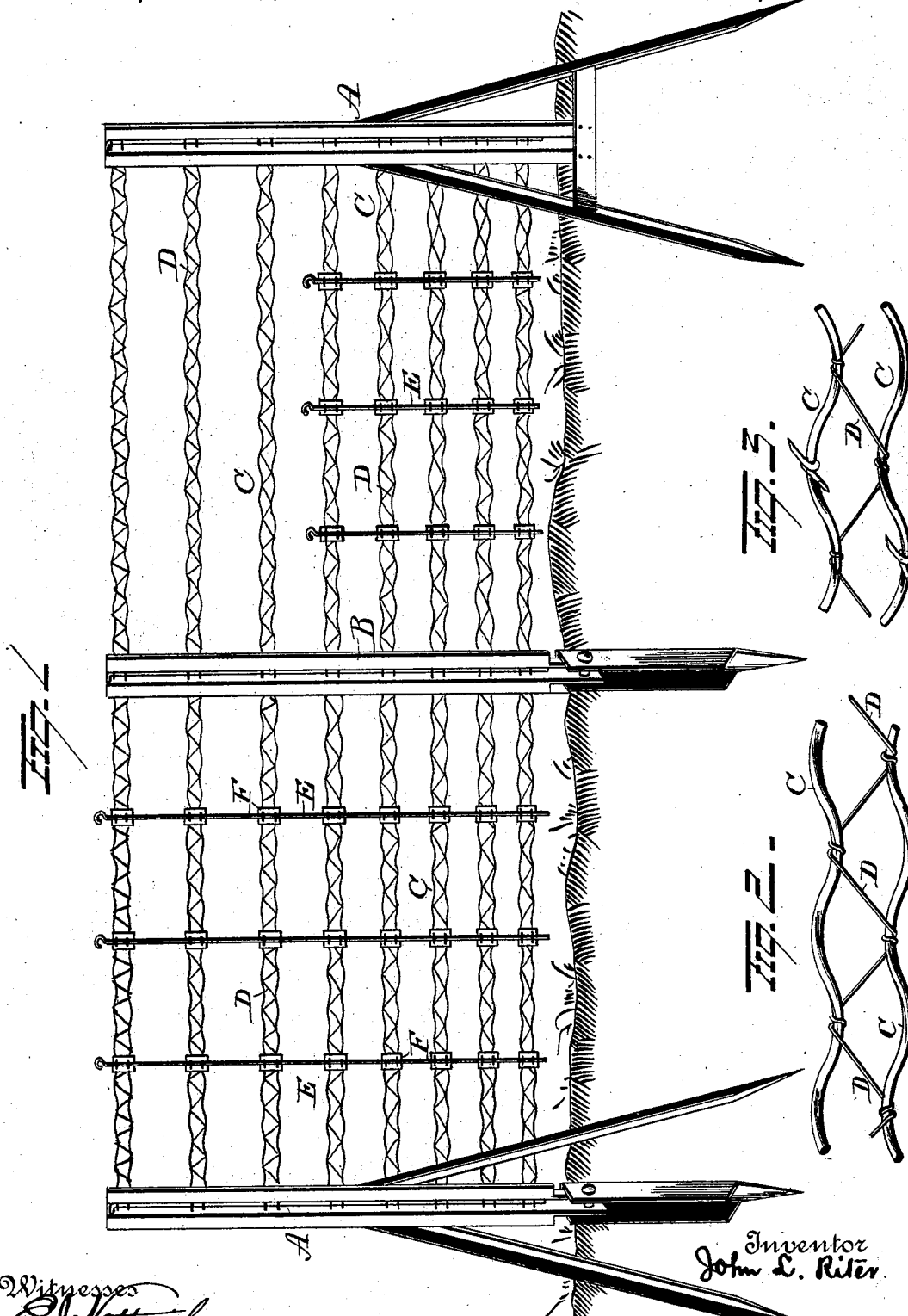


(No. Model.)

J. L. RITER.
WIRE FENCE.

No. 506,258.

Patented Oct. 10, 1893.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN L. RITER, OF BROWNSVILLE, INDIANA.

WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 506,258, dated October 10, 1893.

Application filed August 30, 1892. Serial No. 444,564. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. RITER, of
Brownsville, in the county of Union and State
of Indiana, have invented certain new and use-
ful Improvements in Wire Fences (Case D;) and I do hereby declare the following to be a
full, clear, and exact description of the inven-
tion, such as will enable others skilled in the
art to which it appertains to make and use
the same.

My invention relates to an improvement in
wire fences, and more particularly to the
cable employed in the construction thereof
the object being to construct a light elastic
cable that is sufficiently strong for the pur-
pose for which it is intended, and at the same
time is sufficiently large to enable it to be
readily seen from a distance.

With these ends in view my invention con-
sists in an elastic cable for fencing; made of a
series of spirally coiled wires arranged ap-
proximately parallel, the said parallel wires
being connected by a mesh wire the latter
being twisted around the parallel wires at in-
tervals.

My invention further consists in the com-
bination with rigid posts and an intermediate
pivoted post, of cables attached to said posts,
each cable consisting of a series of spirally
coiled wires arranged approximately parallel
and connected by a mesh wire, the latter be-
ing twisted around the parallel wires at in-
tervals.

My invention further consists in the com-
bination with posts and cables secured there-
to, each cable being composed of spirally
coiled wires arranged approximately parallel,
the said parallel wires being connected by a
mesh wire twisted around same at intervals,
of vertical stay rods and locks for securing
the cables to the stay rods.

My invention further consists in the parts
and combinations of parts as will be more
fully described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a
view in elevation of a section of a fence
embodying my invention. Fig. 2 is a view
of a section of one of the cables and Fig. 3
is a view of a section of cable having barbs
thereon.

A represents rigid posts, located a suitable
distance apart, and intermediate the latter is

one or more posts B pivoted to anchors firmly
embedded in the ground. The cables C are
secured to the posts, and as these cables are
elastic as will be hereinafter described, it will
be seen that when a pressure is exerted on
the cables all that portion of the fence be-
tween the rigid posts is free to give or yield
in the direction of the pressure. Each cable
consists of a series, preferably two, of wires
arranged approximately parallel as shown,
each parallel wire being coiled spirally as
shown. The coils or turns are long and nar-
row, two to six turns to a foot of wire, each
coil or turn being of a diameter from an
eighth to half an inch; coils or turns of these
dimensions are sufficient for a fence the posts
of which are located the ordinary distance
apart. These spirally coiled wires are ar-
ranged approximately parallel as shown, can
be plain or barbed as desired, and are con-
nected by the mesh wire D which latter is
twisted around the parallel wires alternately
at intervals as shown, thus forming in effect
a skeleton strip, so constructed however that
it will freely give or yield when subjected to
strain, and free to expand and contract under
varying temperatures. With a fence thus
constructed, the sections thereof, between the
rigid posts are perfectly free to yield or give
under pressure, and when pressure is re-
moved the wires being in effect springs im-
mediately cause the section to fly back to its
normal position. By this means the danger
of injury to stock coming in contact with the
fence is in a large measure obviated.

To prevent fowls, and animals from getting
through the fence between the elastic cables,
I employ stay rods E and locks F. The ver-
tical stay rods are located at suitable inter-
vals apart and are locked to some or all of
the cables by the locks F. While these rods
and locks prevent separation of the cables,
they in no wise limit the free elongation and
contraction thereof before described.

It is evident that numerous slight changes
might be resorted to in the relative arrange-
ment of parts herein shown without depart-
ing from the spirit and scope of my inven-
tion. Hence I would have it understood that I
do not wish to confine myself to the exact
construction herein shown; but,

Having fully described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

- 5 1. An elastic cable for fences made of a series of spirally coiled wires arranged approximately parallel, the said parallel wires being connected by a mesh wire, the latter being twisted around the parallel wires at intervals as shown.
- 10 2. In a fence the combination with rigid posts and an intermediate pivoted post, of cables attached to said posts, each cable consisting of a series of spirally coiled wires ar-

ranged approximately parallel and connected by a mesh wire, the latter being twisted around the parallel wires at intervals as shown, substantially as described. 15

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN L. RITER.

Witnesses:

O. M. BALL,

G. F. DOWNING.