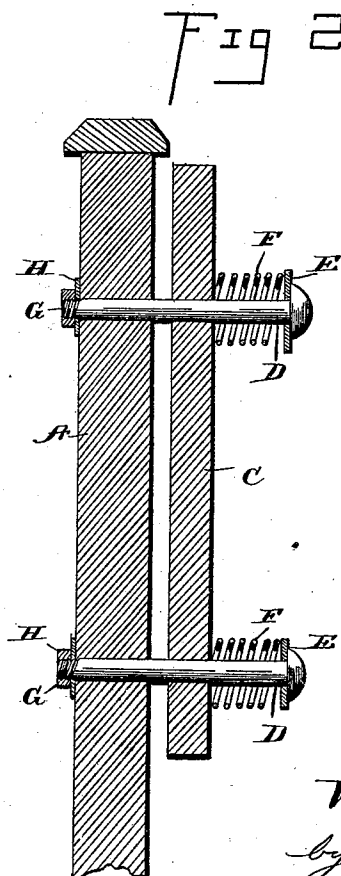
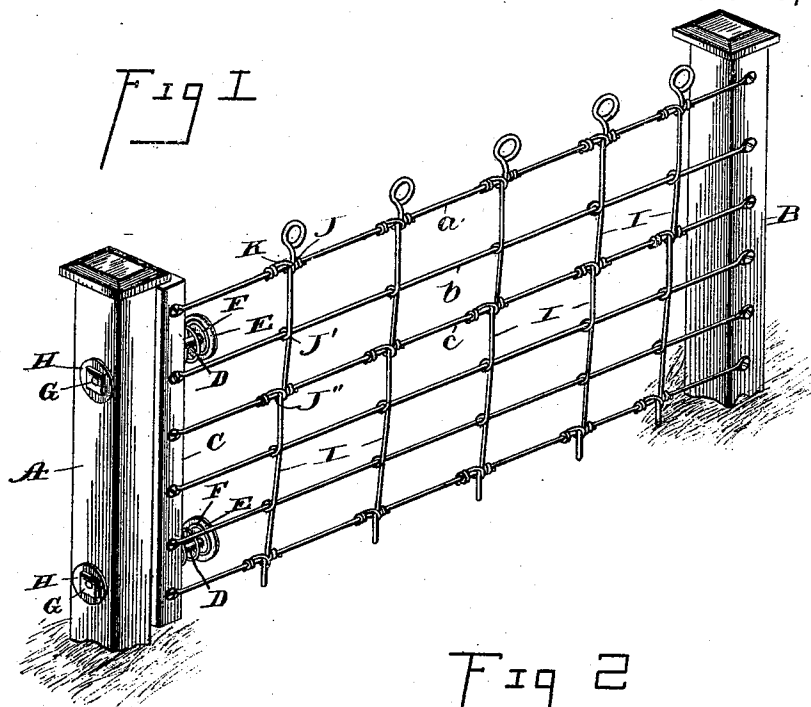


(No Model.)

W. J. OLLER.
SMOOTH WIRE FENCE.

No. 514,959.

Patented Feb. 20, 1894.



Witnesses

John Danie
Geo. F. Kincaid

Wm. J. Oller
by John Waddell
his Attorney

UNITED STATES PATENT OFFICE.

WILLIAM J. OLLER, OF DELAWARE, OHIO.

SMOOTH-WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 514,959, dated February 20, 1894.

Application filed November 19, 1892. Serial No. 452,572. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. OLLER, of Delaware, in the county of Delaware and State of Ohio, have invented certain new and useful Improvements in Smooth-Wire Fences; and I do hereby 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.

My invention is an improvement in wire fences, designed for greater simplicity and durability of construction.

A further object of my invention is to supply simple means for imparting a uniform tension to the wires of which the fence is composed, during all seasons of the year, thereby preventing the fence from sagging during hot weather, by the expanding of the wires.

My invention more particularly resides in the novel combination, construction and arrangement of parts hereinafter fully described and set forth in the claim.

In the accompanying drawings in which similar letters of reference designate corresponding parts, Figure 1 is a perspective view of a portion of my improved fence and Fig. 2 is a sectional view of the tension device.

Reference being had to the above figures A and B are two upright posts between which the wires composing the fence are situated.

The fence is composed of a series of the panels shown in Fig. 1, which are from twenty to thirty feet in length. One end of the wires (a) (b) (c), &c., are rigidly secured to the post B while their other ends are secured to the upright movable bar C. Passing through the upper and lower portion of the post A and bar C are bolts D, between the head of which and the bar C are the washers E and steel coil springs F, while their opposite ends are retained in post A by means of nuts G and washers H.

At required distances apart and between the posts A and B are situated the vertical wires I which are turned as shown in the drawings to form eyes J J' J'', &c., through which the parallel horizontal wires (a b c, &c.) pass.

In order to prevent any lateral movement of the vertical wires I, I have constructed the wire lock K which consists of a short piece of wire, wound about the horizontal wire, then passing over the vertical wire and again wound from below about the horizontal wire, thus securing the vertical and horizontal wires firmly together.

The upper projecting portions of the vertical wires are bent backward as shown in the drawings, for the purpose of ornamentation as well as to protect the sharp point of the wire, while the lower projecting portions are allowed to remain straight in order to prevent small animals from crawling beneath the fence.

It will be readily seen from the foregoing description that I have provided a very simple, strong, inexpensive ornamental smooth wire fence, the horizontal wires of which will remain at a constant tension during all seasons of the year.

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

In a fence of the class described, the combination of stationary posts A and B, a movable upright bar C adjacent to the post A, a pair of headed bolts D, passing through the upright bar C, and the post A, the heads of said bolts being adjacent to the inner side of the bar C, their nutted ends on the outer side of the post A, disks E resting against the heads of said bolts, springs F surrounding said bolts and located between the disks E, and the inner side of the bar C, and interposed between the heads of the bolts D, and the said upright bar, and wires connected to the upright bar C and the post B, which are arranged parallel, substantially as set forth.

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

WILLIAM J. OLLER.

Witnesses:

C. H. McELROY,
E. S. MENDENHALL.