

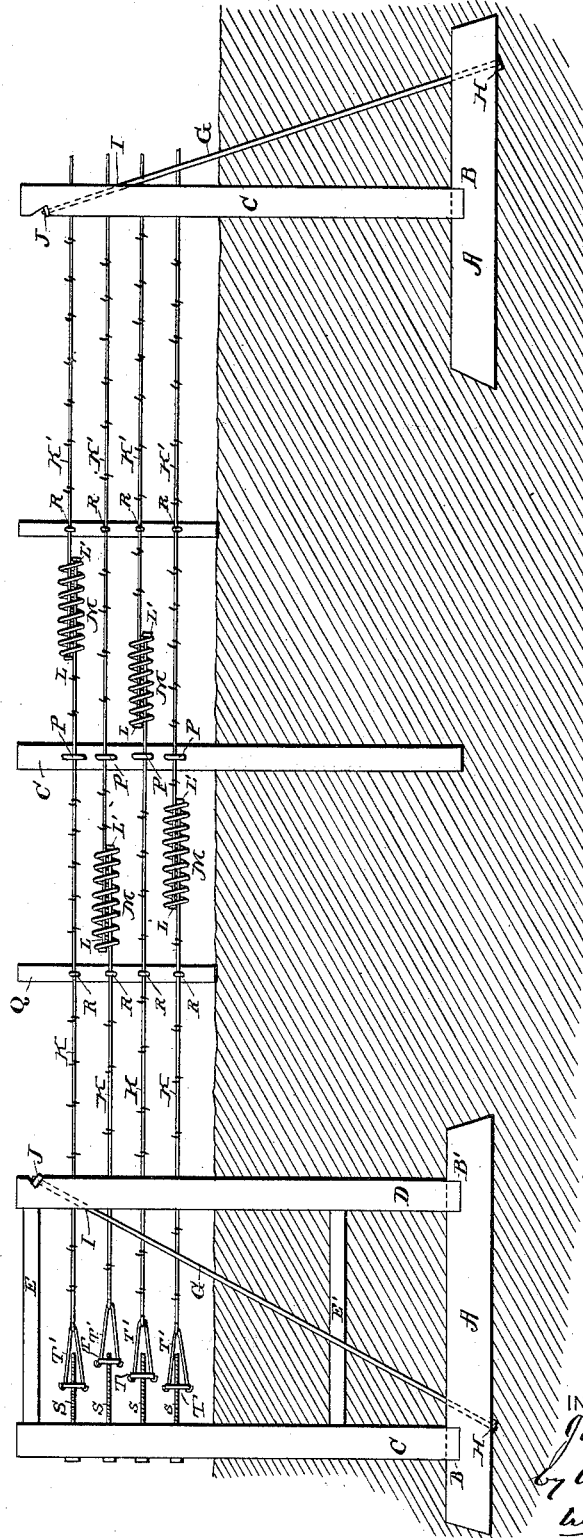
J. M. KELLY.

FENCE.

No. 344,660.

Patented June 29, 1886.

Fig. 1.



WITNESSES

B. Tugitt.
Phil. Masi.

INVENTOR

J. M. Kelly
by Anderson & Smith
ATTORNEYS

J. M. KELLY.
FENCE.

No. 344,660.

Patented June 29, 1886.

Fig. 2.

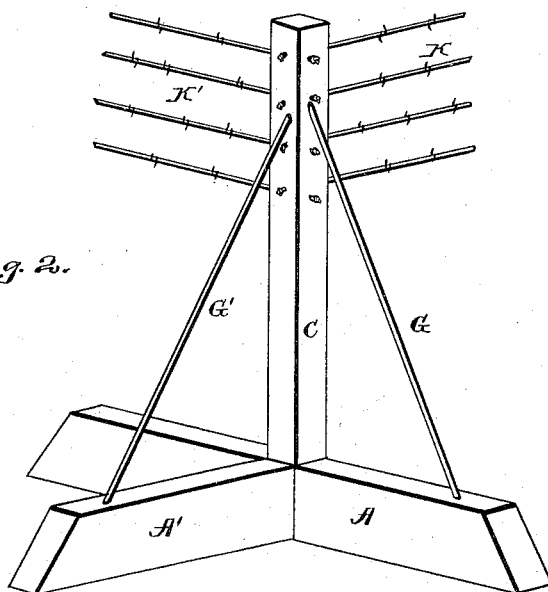


Fig. 3.

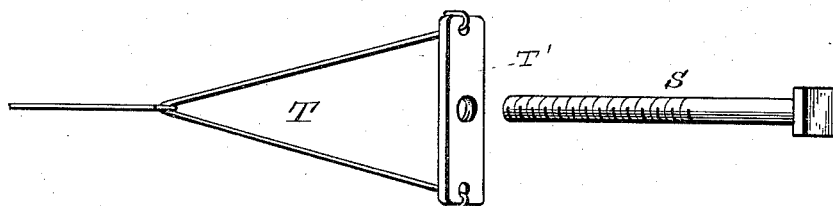
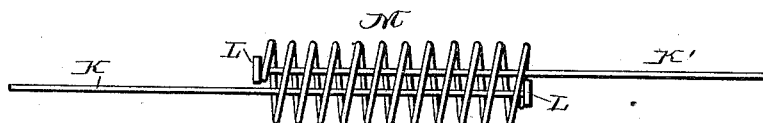


Fig. 4.



WITNESSES

B. Fugitt.
P. Masi

INVENTOR

J. M. Kelly
by Anderson & Smith
ATTORNEYS

UNITED STATES PATENT OFFICE.

JAMES MADISON KELLY, OF KINGSTON, INDIANA.

FENCE.

SPECIFICATION forming part of Letters Patent No. 344,660, dated June 29, 1886.

Application filed February 19, 1886. Serial No. 192,587. (No model.)

To all whom it may concern:

Be it known that I, JAMES MADISON KELLY, a citizen of the United States, residing at Kingston, in the county of Decatur and State of Indiana, have invented certain new and useful Improvements in 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 letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a section of my improved fence. Fig. 2 is a view of a corner-post. Fig. 3 is a view of the tapering nut and headed bolt. Fig. 4 is a view of the spiral spring.

My invention has relation to fences; and it consists in the construction and novel combination of parts, as will be hereinafter fully described, and particularly pointed out in the claim.

Referring by letter to the accompanying drawings, A designates a sill or piece of timber six or eight feet long securely embedded in the ground four feet below the surface. This sill A is provided in its upper face with two rectangular notches, B B', in which the lower end of the fence-post C and the lower end of the brace-post D, respectively, rest.

E E' are horizontal brace-bars, placed between the fence-post and brace-post, the one, E, near the upper ends of said posts, and the other, E', about two feet below the surface of the ground.

G is a diagonally-disposed metal tie-rod, which passes down through the sill A, and is secured at its lower end by a nut, H, and also passes through a slot, I, near the upper end of the brace-post, and is secured at its upper end by a nut, J.

K K' designate two sections of barbed wire, the adjacent ends of which are connected by headed draw-rods L L', which are encircled by a spiral or coil spring, M, which provides for the expansion and contraction of the wires under heat and cold. The fence-posts are set about eighty feet apart, and the wires are secured to them by large staples P, which permit

the wires to be drawn and stretched through said staples.

Q designates wooden stay-bars, which are secured to the fence-wires by staples R, and rest upon the ground and prevent the fence-wires from sagging to any considerable extent between the fence-posts. At the ends of the fence-sections the fence-wires are connected to the fence-posts by tightening devices, comprising headed bolts S and threaded nuts T, screwed thereon, which carry loops T' for the attachment of the fence-wires. By turning the bolts S the fence-wires may be tightened at any time when necessary without causing the barbs to conflict with the large staples. The spiral springs M, when drawn upon, contract and become stronger, instead of expanding and becoming weaker, as in most cases. If the wires become too taut in cold weather, they can be loosened by turning the nuts in the proper direction; and should they become too loose they can be as easily tightened by turning the nuts in the proper direction. These bolts and nuts, in connection with the posts and fence-wires, form permanent stretchers, and are always in place ready for use, so that the fence-wires may be tightened or loosened at any time, as may be necessary. Where the posts C are corner-posts, it is necessary to employ an auxiliary sill, A', and to connect it with the post C by an extra tie-rod, G', in order to give the fence the requisite strength. The fence-posts C, at the points where the brace-post D and tightening-nuts are not needed, have a sill, A, with only the notch B and a tie-rod, G.

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

The combination, with the fence-post, brace-post, brace-bars, and brace-rod, of the fence-wires, the headed threaded bolt-rods, and the tightening devices connecting the fence-wires and bolt-rods, substantially as specified.

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

JAMES MADISON KELLY.

Witnesses:

JAMES W. CRAIG,
CORTEZ EWING, Jr.