

D. KAUFMAN.
Iron-Posts for Wire Fences.

No. 139,469.

Patented June 3, 1873.

Fig. 1.

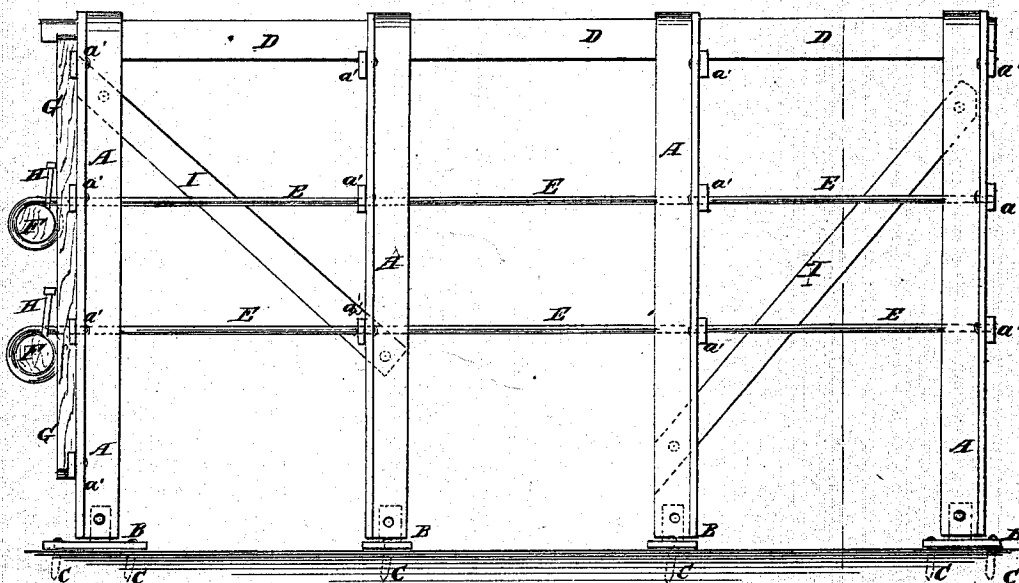
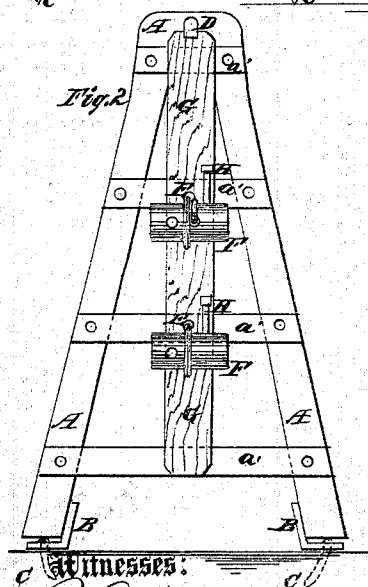
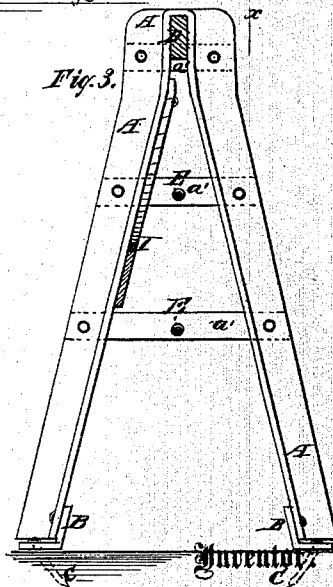


Fig. 2.



Witnesses:
P. C. Dietrich,
A. Edgwick

Fig. 3.



Inventor:
D. Kaufman
PER *Munnell*
Attorneys.

UNITED STATES PATENT OFFICE.

DANIEL KAUFMAN, OF BOILING SPRINGS, PENNSYLVANIA.

IMPROVEMENT IN IRON POSTS FOR WIRE-FENCES.

Specification forming part of Letters Patent No. **139,469**, dated June 3, 1873; application filed January 11, 1873.

To all whom it may concern:

Be it known that I, DANIEL KAUFMAN, of Boiling Springs, in the county of Cumberland and State of Pennsylvania, have invented a new and useful Improvement in Iron Post-Fences, of which the following is a specification:

Figure 1 is a side view of a portion of my improved fence. Fig. 2 is an end view of the same. Fig. 3 is a vertical cross-section of the same taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved fence, simple in construction, inexpensive in manufacture, reliable in use, and readily set up, taken down, and moved from place to place.

The invention consists in an improved fence-post formed by the combination of the bent angle-iron bar and the cross-bars—with each other, in the combination of the metallic feet or shoes and their pins with the lower ends of the metallic posts, and in the combination of the brace-bars with the two adjacent posts at the ends of the fence, as hereinafter fully described.

A represents the posts, which are made of angle-iron, about an eighth of an inch thick, and each side or flange about an inch wide. The angle-iron is cut into pieces of suitable length, which pieces are bent in the center, as shown in Figs. 2 and 3. The arms of the posts A are held in their proper relative positions by cross-pieces *a'* bolted or riveted to them. The lower ends of the posts A are bolted or riveted to the upper arms of the feet or shoes B, the other arms of which rest upon the ground, and are secured in place by pins U driven through them and into the ground in a direction inclined toward the central line of the fence. The upper cross-piece *a'* is attached to the posts A at such a distance below their bends as to form holes to receive the top rails D, which may be notched to receive said upper cross-bars *a'*, to prevent the longitudinal movement of said rails. The rails D may be made of any desired length, or they may all be of different lengths, as may be most convenient. E are wires, one end of each of which is secured to one of the cross-

bars, *a'*, of one of the end posts A. The wires E pass through holes in the cross-bars of the intermediate posts A and the other end post, and their ends are secured to rollers F that work in bearings attached to a vertical bar, G, placed against the cross-bars *a'* of said post, and through which the wires E also pass. The rollers F are turned to tighten or slacken the wires E by lever-pins H inserted in holes formed in said rollers, and which hold the rollers from being turned back by the strain of the wires by resting against the bar G, as shown in Figs. 1 and 2. Several holes are formed in the rollers F to receive the lever-pins H, so that the tension of the wires E may be adjusted as required. This construction enables the wires to be conveniently slackened as they contract in cold weather and tightened as they expand in warm weather. The end posts are strengthened to prevent them from being drawn inward by the strain of the wires E by the braces I, the upper and outer ends of which are bolted to the end posts near their tops, and their lower and inner ends are bolted to the next posts near their lower ends. The body of the fence has been described as being formed of a top rail and wires. This construction is designed for a fence to prevent the passage of stock. The body of the fence may, however, be made of wires, rails, boards, or other suitable material, the cross-bars *a'* being arranged accordingly, or other supports may be attached to said cross-bars.

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

1. An improved fence-post, formed by the combination of the bent angle-iron bar A and cross-bars *a'* with each other, substantially as herein shown and described.

2. In combination with the angle-iron post, constructed as described, the adjustable wires E running through holes in the cross-bars *a'*, and vertical bar G, which is notched at its upper end to receive the rail D, substantially as shown and described.

DANIEL KAUFMAN.

Witnesses:

HENRY MOWER,
ASBURY DERLAND.