

S. METZLER.
Iron Fence-Post.

No. 213,054.

Patented Mar. 11, 1879.

FIG. 1.

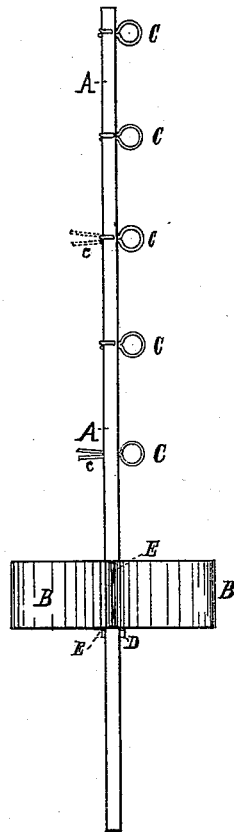
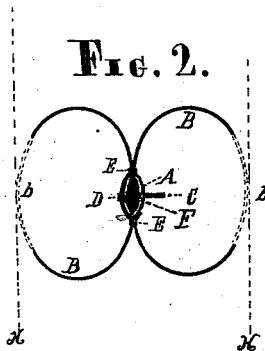


FIG. 2.



Witnesses.
A. G. Knorr
Adolf Heide

Inventor.
Samuel Metzler by
J. H. Chapman Atty.

UNITED STATES PATENT OFFICE.

SAMUEL METZLER, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN IRON FENCE-POSTS.

Specification forming part of Letters Patent No. **213,054**, dated March 11, 1879; application filed August 9, 1878.

To all whom it may concern:

Be it known that I, SAMUEL METZLER, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Metal Fence-Posts, of which the following is a specification:

The present invention relates to the peculiar form of a surface-holder for the post, which consists of two thin plates of metal, each bent so as to form about three-fourths of the periphery of an ellipse, with the central parts of their convex sides provided with depressions, so that the sides will, when riveted together, embrace the post in the depressions centrally.

By this means a small iron post is prevented, even in comparatively soft ground, from having a lateral movement at the surface of the earth, from the fact of encircling the earth on both sides of the post to any extent desired, by the curved plates, which are driven edge-wise in the ground as the post is being put down.

In the drawings, Figure 1 is an elevation of an iron fence-post provided with my improved curved surface-holders; Fig. 2, a plan or top view thereof.

A represents a light iron post, which, in this case, has somewhat of an elliptical form in cross-section; but it may have any form and size desired.

B B represent plates of metal, each of which is curved to have the form of about three-fourths of an ellipse; and their central and convex sides are provided with depressions F,

so that when the plates are riveted together at E E the post A will be engaged in the depressions. The plate thus secured to the post may be adjusted to any desired height thereon, but cannot go below a pin, D.

In practice the plates B are made of galvanized iron, No. 16, and one and one-fourth inch wide; but where posts—as, for instance, gate-posts—are to have a very firm hold in the ground, the plates may be of heavier metal and inclose more earth.

It will be seen from this that the plates B so nearly inclose the earth that the post A cannot have any considerable lateral movement at the earth's surface, unless the earth be separated at dotted lines *x x*, and in this regard the plates have substantially the strength of two rings in the same relation to the post and earth.

Where the ground is very soft, I use two full ellipses, as indicated by dotted lines *b b*, by extending the plates B B.

I claim and desire to secure by Letters Patent—

The two curved plates B B, provided with depressions F, to engage the post A by means of rivets E, and placed in the ground to prevent a lateral movement of the post, as set forth.

SAMUEL METZLER.

Witnesses:

G. L. CHAPIN,
A. G. MOREY.