

(No Model.)

S. METZLER.
FENCE POST.

No. 342,373.

Patented May 25, 1886.

FIG. 1.

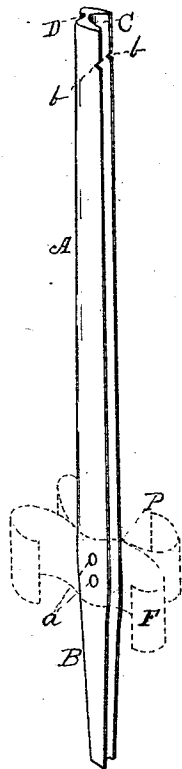


FIG. 2.

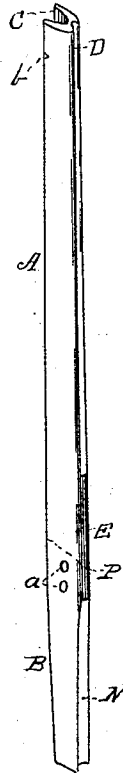


FIG. 3.

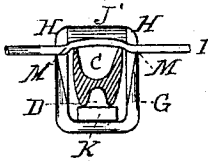


FIG. 4.

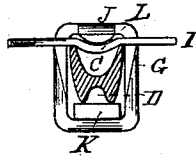
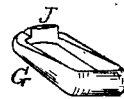


FIG. 5.



WITNESSES:

A. S. Morey,
Robert Metzler

INVENTOR

Samuel Metzler

BY

G. L. Chapman

ATTORNEY

UNITED STATES PATENT OFFICE.

SAMUEL METZLER, OF CHICAGO, ILLINOIS.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 342,373, dated May 25, 1886.

Application filed January 14, 1886. Serial No. 128,591. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL METZLER, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Metal Fence-Posts, of which the following is a specification, reference being had to the accompanying drawings, illustrating the invention, in which—

Figure 1 is a perspective representation of my improved metal fence-post. Fig. 2 is a perspective view of the same, showing more particularly the smaller channel therein. Fig. 3 is a section through the post where a wire is to be attached, and a plan view of one form of wire-clamp. Fig. 4 is the same of the post, showing a modified form of wire-clamp; Fig. 5, a perspective view of wire clamp shown in Fig. 4.

The purpose of the present invention is to produce an iron fence-post which shall possess substantially the greatest strength attainable with suitable means for attaching the wire, and at the same time present to the earth at each opposite side of the post a concave surface of such breadth as will hold the post firmly in the ground as against any lateral strain on the fence. I accomplish this by a post which is formed tapering from the ground-line upward and from the ground-line downward, and having considerable extra weight of metal at said ground line, where all iron posts are most often broken off. One side face of the post is grooved out its entire length, to lessen the weight of metal, and the opposite side face is grooved out with a smaller channel its entire length, except a section which is cut by the ground-line and is left solid to attain strength.

A B represent my improved post, which is deeply channeled out at C, on one face thereof, of substantially uniform size. The opposite

face of the post has formed therein a smaller channel down to the ground-line P, at which place that side of the post is solid, and from that point the channel is enlarged, as shown at N, to correspond with the channel C in the other face of the post, as shown in Figs. 1 and 2, the ground end, B, being tapered for the convenience of driving the post into the earth.

Holes *a* are made in the post for the purpose of attaching a surface-holder, (dotted lines F,) which is shown in Letters Patent granted to me March 11, 1879, No. 213,054, or for attaching any other desired surface-holder.

G J L K M, in Figs. 3, 4, and 5, represent two forms of wire-clamps which my post is adapted to have attached for securing the fence-wire to the posts, said wires having seats in notches *b b*.

The clamps are considered no part of the present application, but are shown to illustrate how my post can be made to form an integral part of a complete fence.

These posts may be cast of iron; but I prefer to make them of wrought-iron rolled in the form shown, as being much lighter and more durable.

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

The metallic fence-post herein described, having the deep longitudinal groove C on one side and the shallow groove D and solid section E, and groove N below said solid section, on its opposite side, said post tapering from the ground-line both upward and downward and being provided with means for securing the fence-wires, as specified.

December 31, 1885.

SAMUEL METZLER.

Witnesses:

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