No. 684,838. Patented Oct. 22, 1901.

M. L. MATHEISON.

POST.

(Application filed Oct. 11, 1900.)

(No Model.)

Fig. 1.

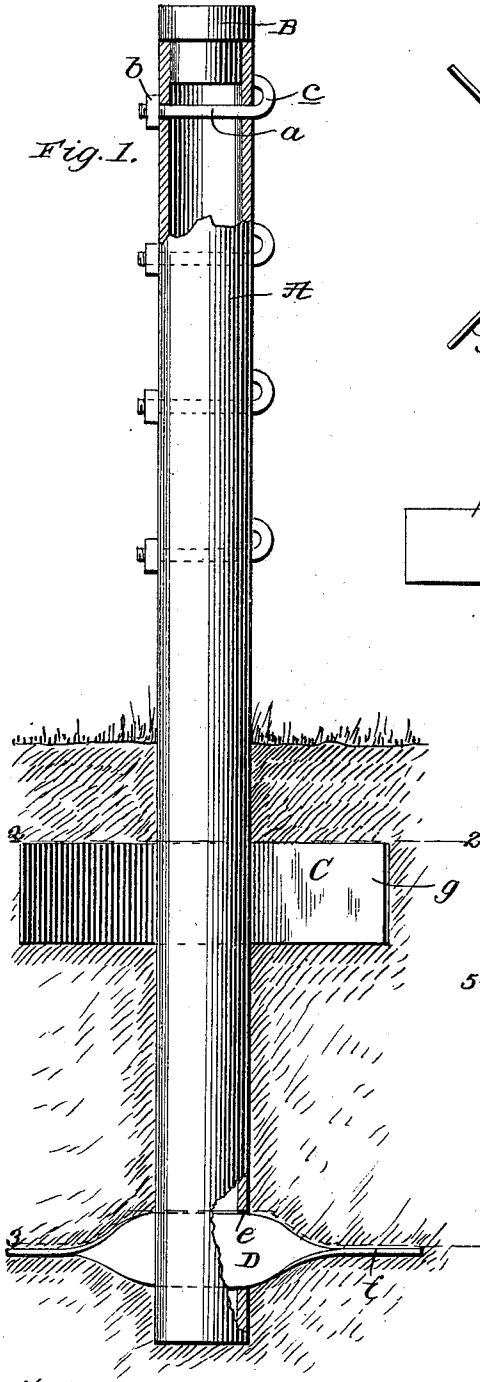


Fig. 2.

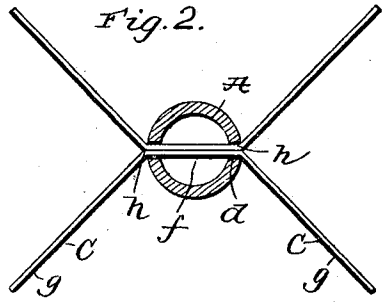


Fig. 3.

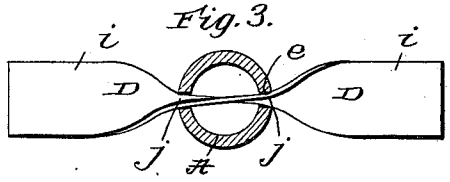


Fig. 4.

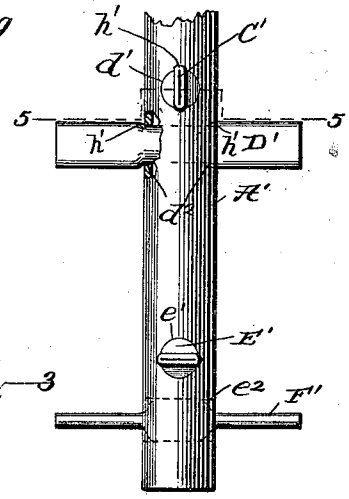
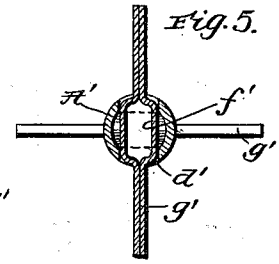


Fig. 5.



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UNITED STATES PATENT OFFICE.

MILLARD L. MATHEISON, OF HOUGHTON, MICHIGAN.

POST.

SPECIFICATION forming part of Letters Patent No. 684,838, dated October 22, 1901.

Application filed October 11, 1900. Serial No. 32,766. (No model.)

To all whom it may concern:

Be it known that I, MILLARD L. MATHEISON, a citizen of the United States, residing at Houghton, in the county of Houghton and State of Michigan, have invented new and useful Improvements in Posts, of which the following is a specification.

My invention relates to improvements in metallic posts, and its novelty and advantages will be fully understood from the following description and claims when taken in conjunction with the accompanying drawings, in which—

Figure 1 is an elevation of my improved post with the upper portion thereof in section. Figs. 2 and 3 are horizontal sections taken in the planes indicated by the broken lines 2 2 and 3 3, respectively, of Fig. 1. Fig. 4 is an elevation of the lower portion of a modified post, and Fig. 5 is a horizontal section taken in the plane indicated by the broken line 5 5 of Fig. 4.

Referring by letter to the said drawings, and more particularly to Figs. 1 to 3 thereof, A is the upright body of my improved post, which is preferably made of steel tubing and is of about the proportional height and diameter illustrated. This body has its upper end closed by a metallic plug B, of any suitable configuration, and is provided at intervals in its upper portion with diametrically-disposed bolts *a*, which are threaded at one end for the engagement of nuts *b* and have their opposite ends looped, as indicated by *c*, to receive runner-wires when the post is to be used as a fence-post. In its lower portion—that is, its portion designed to be sunk in the ground, as shown in Fig. 1—said body A is provided with upper vertical slots *d* and lower vertical slots *e*, the slots *d* being arranged at diametrically opposite points with respect to each other, as are also the slots *e*. The slots *d* are designed to receive anchor-sections C, while the slots *e* have for their purpose to receive a single anchor-section D.

Each of the anchor-sections C is formed of a flat strip of sheet-steel or other suitable sheet metal of about the proportional length and width illustrated and comprises an intermediate portion *f* and flat end portions or wings *g*, the said flat portions or wings being formed after the sections are placed side by side in the slots *d* of the body A by bending the end portions *g* of the two sections in opposite directions to the relative positions shown in Fig. 2. When the portions *g* of the sections which are exterior to the body A are bent into the positions shown in Fig. 2, it will be observed that shoulders *h* are formed, which by bearing against the outside of the body A are calculated to securely hold the sections C against casual movement in the said body. It will also be observed that the wings *g* of the anchor-sections C are disposed vertically and present broad vertical surfaces to the earth in which the lower portion of the body A is planted, with the result that the said wings are enabled to effectually prevent lateral deflection or tilting of the post. The lower anchor-section is also formed of a strip of steel or other flat sheet metal and is of the proportional length and width illustrated. It is arranged in the coincident lower apertures or slots *e* of the body A and is twisted, as best shown in Fig. 3, at opposite sides of the said body, so that its wings or portions *i*, which are exterior to the body, are disposed horizontally, as best shown in Fig. 3, this being advantageous, since it enables the said wings *i* to securely hold the post against upward movement. The twisting of the lower section or strip D in the manner described is also advantageous, since it forms shoulders *j* at opposite sides of the body A, which by bearing against the said body at diametrically opposite points are calculated to securely hold the section against endwise or other casual movement with respect thereto.

By virtue of the anchor-sections C D being formed of flat strips of sheet metal and secured in the body A in the simple and expeditious manner described it will be appreciated that a post is produced which is strong and durable and at the same time inexpensive. It will also be appreciated that when the said post is properly set in the ground it is effectually held against upward and lateral movement by the opposite disposition of the wings or exterior portions of its lower and upper anchor-sections.

My improved post is designed more particularly for use as a fence-post, and is therefore provided with the bolts *a*. The post,

however, is susceptible of use as a hitching-post, grave-post, or grape-post, and when it is to be so used the bolts are not essential and may be omitted.

In the modification shown in Figs. 4 and 5 the tubular body A′ is provided with upper coincident apertures d' d^2, of circular form, and lower coincident apertures e' e^2, also of circular form, the coincident apertures d' being disposed at right angles to the coincident apertures d^2 and the coincident apertures e' being disposed at right angles to the coincident apertures e^2, as shown. These apertures d' d^2 e' e^2 are designed to receive anchor-sections C′, D′, E′, and F′, respectively, the anchor-sections C′ D′ being disposed at right angles to each other, as are also the anchor-sections E′ F′.

Each anchor-section is formed of a piece of scrap gas-pipe and comprises an intermediate portion f', of circular form in cross-section, and flat end portions or wings g', the said wings being formed after the section is placed in the apertures of the body, so as to produce shoulders h', which by bearing against the outside of the body at diametrically opposite points are enabled to secure the section against both endwise and axial movement in said body.

The wings of the lower anchor-sections E′ F′ are disposed horizontally, as shown in Fig. 4, and hence are enabled to hold the post against upward movement, while the wings of the upper sections C′ D′ are disposed vertically to enable them to prevent lateral movement of the post.

The making of the anchor-sections of the construction shown in Figs. 4 and 5 of scrap gas-pipe renders the said construction very inexpensive.

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

1. The post described comprising the cylindrical body having apertures at opposite points, and an anchor-section comprising a hollow intermediate portion resting in the apertures of the body, and flattened end portions or wings having shoulders at their inner ends bearing against the outside of the cylindrical body.

2. The post described, comprising the cylindrical body having the lower circular apertures disposed at an angle to each other, and the upper circular apertures also disposed at an angle to each other, the lower anchor-sections disposed at an angle to each other and respectively comprising a hollow intermediate portion resting in one of the lower apertures of the body, and flattened, horizontally-disposed end portions or wings having shoulders at their inner ends bearing against the outside of the cylindrical body, and the upper anchor-sections disposed at an angle to each other, and respectively comprising a hollow intermediate portion resting in one of the upper apertures of the body, and flattened, vertically-disposed end portions or wings having shoulders at their inner ends bearing against the outside of the cylindrical body, substantially as specified.

3. The post described comprising a tubular body having circular apertures at opposite points, and an anchor-section formed of one piece of metal and having a hollow intermediate portion of circular form in cross-section, resting in the apertures of the body, and flattened end portions or wings having shoulders at their inner ends bearing against the outside of the body, substantially as specified.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

MILLARD L. MATHEISON.

Witnesses:
WILLIAM E. SEWELL,
WILLIAM J. BRAND.