

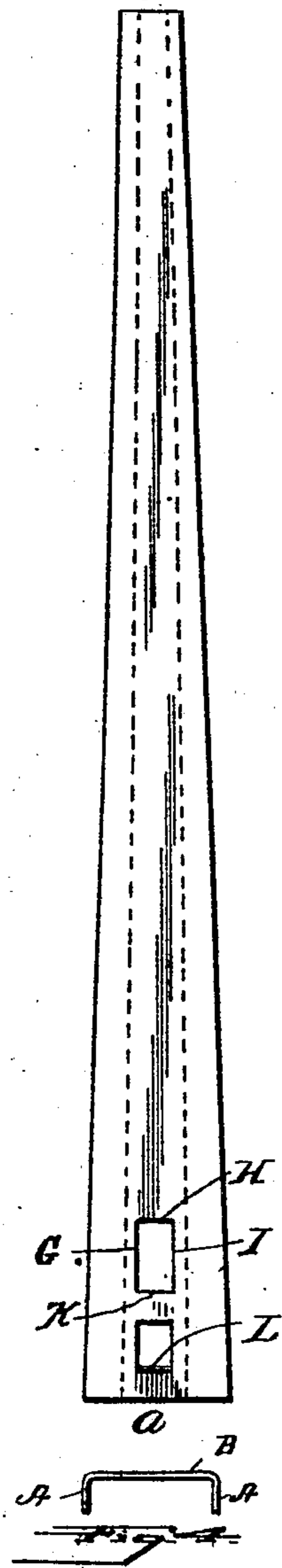
No. 825,703.

PATENTED JULY 10, 1906.

E. M. BUNCE.
FENCE AND OTHER POST.
APPLICATION FILED APR. 30, 1906.

2 SHEETS—SHEET 1.

Fig. 1



Witnesses.
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Fig. 2

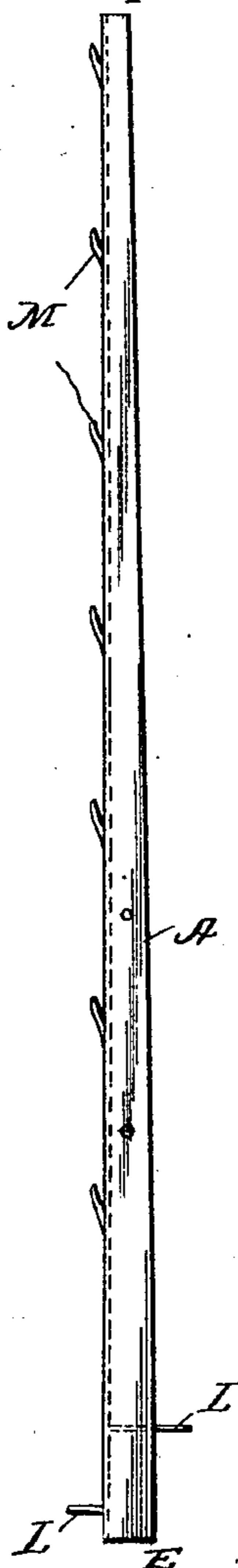


Fig. 3

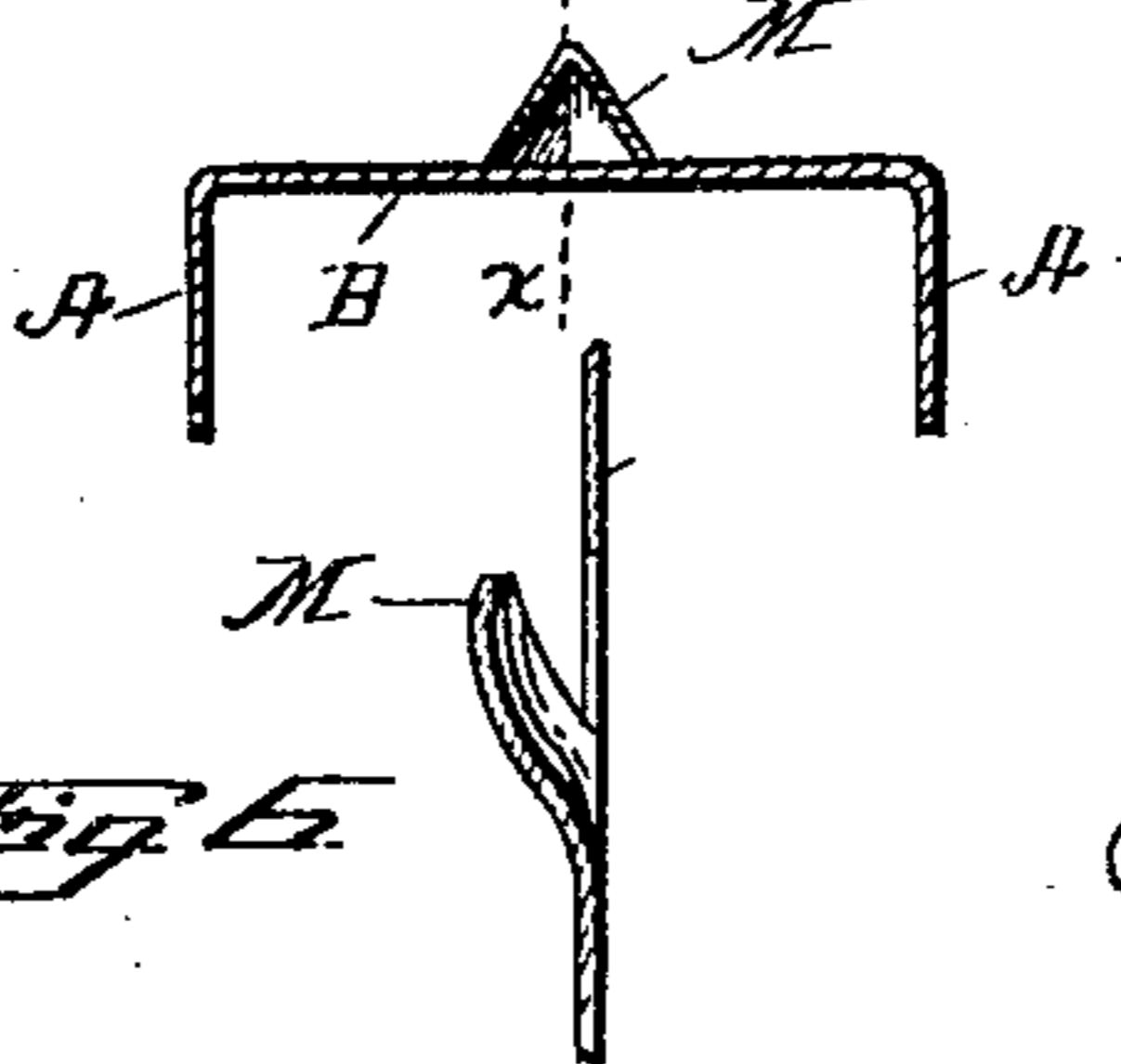
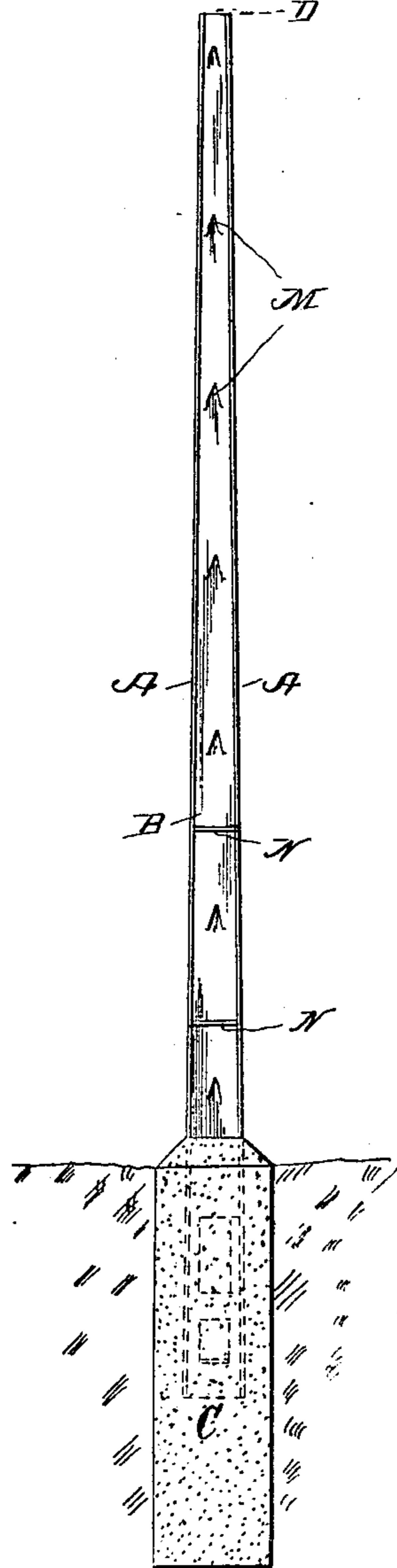


Fig. 4

Fig. 5



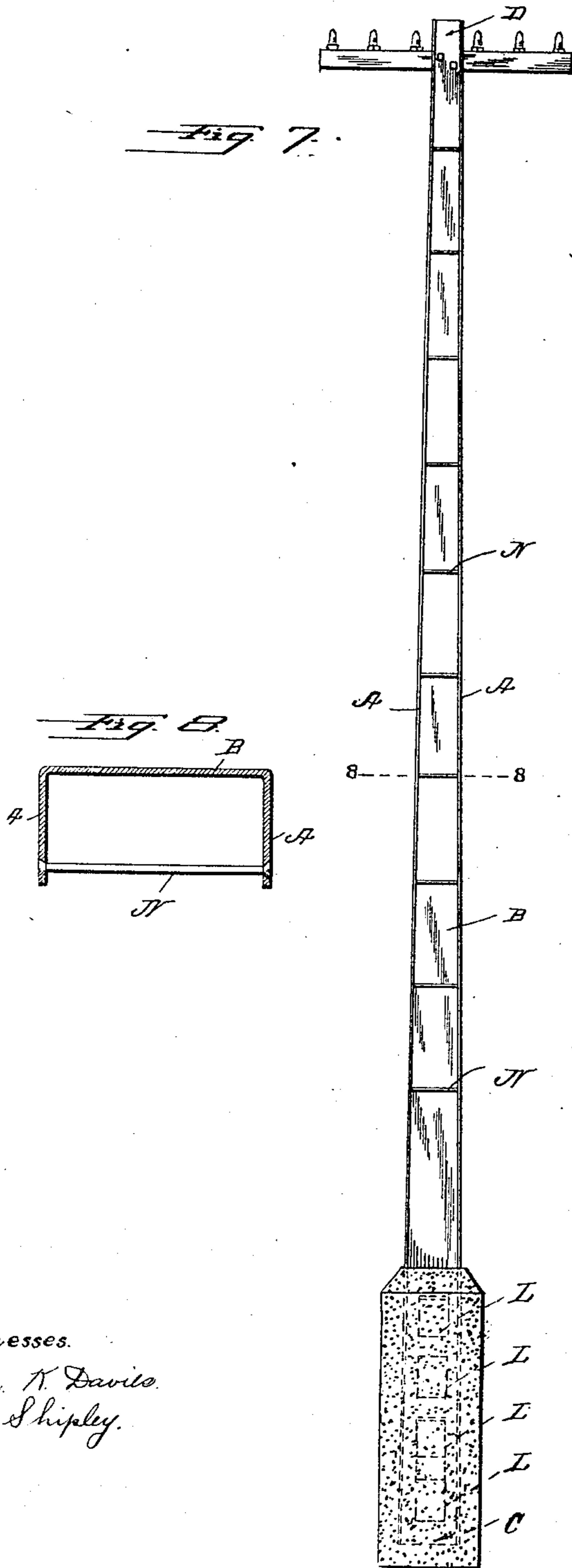
E. M. Bunce, Inventor
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UNITED STATES PATENT OFFICE.

EARL M. BUNCE, OF FENTON, MICHIGAN.

FENCE AND OTHER POST.

No. 825,703.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed April 30, 1906. Serial No. 314,567.

To all whom it may concern.

Be it known that I, EARL M. BUNCE, a citizen of the United States, residing at Fenton, in the county of Genesee and State of Michigan, have invented new and useful Improvements in Fence and other Posts, of which the following is a specification.

The object of my invention is the production of a metallic post specially adapted for use in supporting the wires of a fence, telegraph, telephone, trolley, and the like, said post preferably having a base of cement concrete and made of steel-plate and which shall be cheap in first cost, light in weight, easy to manufacture, and which shall have the parts comprising the same so proportioned and relatively disposed that the greatest strength will be secured with a minimum of metal.

With this end in view my invention consists in certain novelties of construction and combinations of parts hereinafter set forth and claimed.

The accompanying drawings illustrate two examples of the physical embodiment of the invention constructed according to the best modes I have so far devised for the practical application of the principle.

Figure 1 shows a blank of rolled-steel plate cut to the desired outline and ready to be fashioned. Fig. 2 is an edge view of the plate shown in Fig. 1 pressed to shape. Fig. 3 is a front view in elevation of the post, also showing the base of cement concrete. Fig. 4 is an end plan view of the top of the post, enlarged. Fig. 5 is a cross-section of the post, enlarged. Fig. 6 is a section of Fig. 5 on the line *x*. Fig. 7 shows the post especially adapted for supporting the wires of a telegraph or telephone. Fig. 8 is a cross-section of Fig. 7 on line 8 8.

In manufacturing the post a piece of steel plate is cut to the shape substantially as shown in Fig. 1, one end being wider than the other. It is next bent along the dotted lines *a a* to form flanges A A and a web B. The flanging may be accomplished by the use of dies or otherwise. The web tapers from C to D, and each flange tapers from E to F. This disposition of the metal—that is, the web and flanges at the bottom being wider than at the top—secures the greatest strength with a minimum of metal. At the lower end of the post the metal of the web is cut through upon the three connected lines G, H, and I and the severed portions bent on the line K, so as to be at right angles to the web and form

a flap L. Several of these flaps may be provided. The drawings show two in Figs. 1, 2, and 3 and four in Fig. 7.

The lower end of the post for about one foot or more, as may be necessary, is then embedded in a base of cement concrete, the flaps serving to anchor the metallic portion firmly within the concrete. When the post is to support the wires of a fence, holes may be punched in the flanges or web, or both, through which may be passed wire loops for securing the wires of the fence to the post. However, a preferable means for securing the wires in position and supporting them consists in V-shaped prongs M, struck from the web or flanges of the post. Figs. 5 and 6 show one of these prongs in top plan view and in vertical section. The metal is cut on two divergent lines from a common point and then struck or pressed outwardly from the plane of the web, and in cross-section at its lower portion the prong is preferably concavo-convex, so as to stiffen the same and prevent it from breaking when successively bent. To fasten the wire of the fence, it is placed between the web and the prong and the point of the latter bent inwardly toward the web and over the wire.

The post may be additionally stiffened and strengthened by iron rods N, inserted in holes made in the flanges thereof and the ends upset, as shown in Fig. 8. When the post is of suitable length and size for a telegraph, telephone, or trolley post or pole, these rods will be so spaced as to adapt them for use by a person in ascending the said post or pole.

The metal of the complete post or pole where exposed may be painted with any desired composition, such as liquid cement, or galvanized or otherwise protected from oxidation.

From the foregoing description, taken in connection with the drawings, it becomes obvious that I have produced a cheap, light, and durable post for supporting the wires of a fence, not more costly than a cedar post and much more durable, and likewise when made of greater length and with wider web and flanges a pole especially adapted for supporting the wires of a telegraph, telephone, or trolley.

What I claim is—

1. A post or pole comprising a metallic portion consisting of pressed steel having a tapered web, tapering flanges located at right angles to the plane of the web so as to

form a channel-shaped structure, and flaps or projections struck from the metal at the lower end; and a base of concrete within which the lower end of the metallic portion is anchored by means of the said flaps or projections.

2. A post or pole comprising a concrete base and a pressed-steel portion with one end embedded in the concrete; said pressed-steel portion having a web and flanges tapering from end to end, and provided with means for holding the wires of a fence; the said tapering flanges being located at right angles to the plane of the web and forming therewith a channel-shaped structure.

3. A post or pole comprising a concrete base and a flanged metallic portion channel-shaped in cross-section and having a tapered web and tapering flanges with one end embedded in the base; said metallic portion being provided with metallic rods, as N, passed through holes in the flanges, substantially as and for the purpose specified.

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

EARL M. BUNCE.

Witnesses:

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C. L. CORRIGAN.