

No. 735,199.

PATENTED AUG. 4, 1903.

C. A. BIRCHER.

FENCE POST.

APPLICATION FILED NOV. 10, 1902.

NO MODEL.

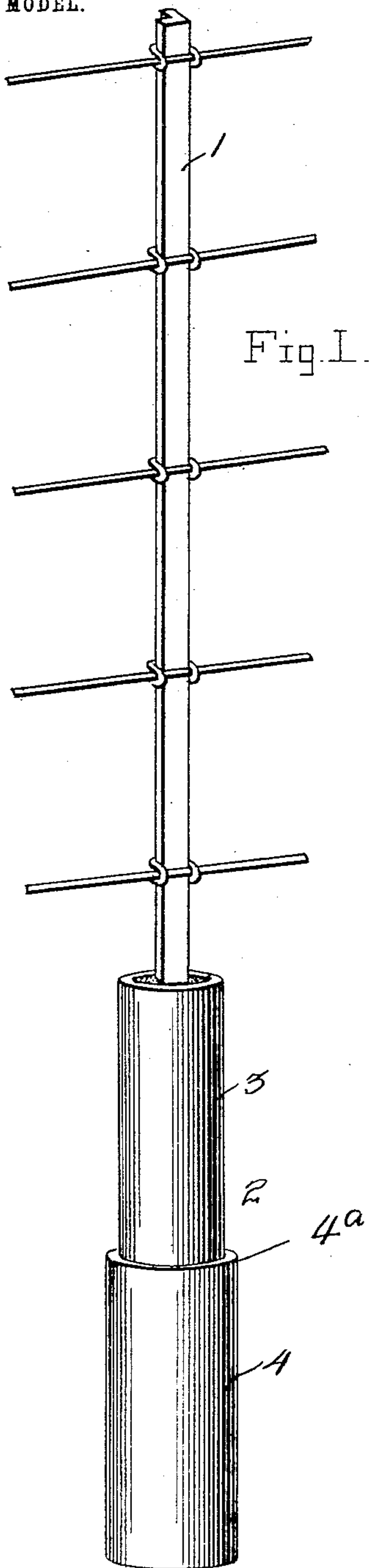


Fig. 1.

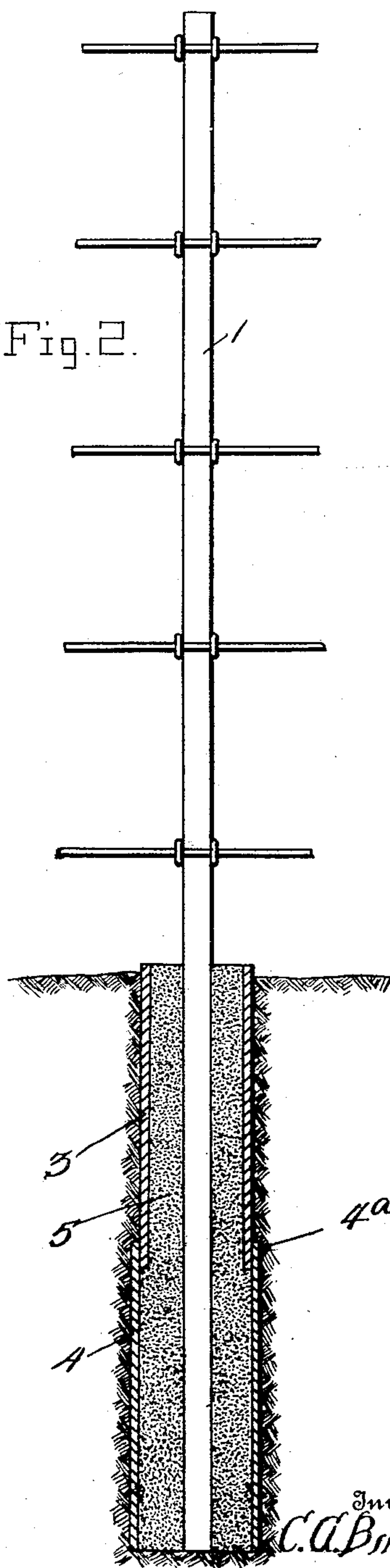
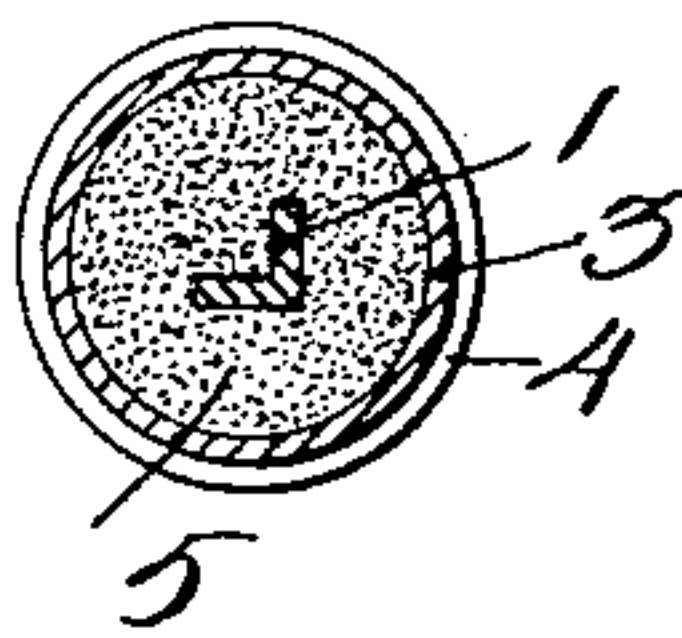


Fig. 2.

Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

CORNELIUS A. BIRCHER, OF HEDRICK, IOWA.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 735,199, dated August 4, 1903.

Application filed November 10, 1902. Serial No. 130,722. (No model.)

To all whom it may concern:

Be it known that I, CORNELIUS A. BIRCHER, a citizen of the United States, residing at Hedrick, in the county of Keokuk and State of Iowa, have invented certain new and useful Improvements in Fence-Posts; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
 10 pertains to make and use the same.

My invention relates to new and useful improvements in fence-posts of that class in which the metallic post is anchored by a plastic base.

15 The object of the invention is to provide a device of this character which is simple in construction, which is practically indestructible in use, and which may be manufactured at small cost without the employment of
 20 skilled labor.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended
 25 claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved post. Fig. 2 is a vertical sectional view showing the same
 30 in use. Fig. 3 is a horizontal sectional view through the base.

Referring more particularly to the drawings, the numeral 1 denotes the metallic post, which is preferably of angle-steel, and 2 denotes the plastic base or anchor. The latter
 35 is formed of two superposed cylindrical sections 3 and 4, the upper section 3 being of slightly smaller diameter and adapted to telescope into the lower section 4.

40 In the manufacture of my posts the tile-sections are arranged as described. The metallic post or angle-steel bar 1 is centered in the tile-sections, as shown in Fig. 2, and the space around the post within the tile-sections
 45 is then filled in with cement or any desired plastic composition 5, which hardens and secures the post to the tile-sections. In using the post the base 2 is embedded in the ground

in the usual manner, and any desired fencing material may be employed. It will be
 50 understood that posts or poles of any description, such as telegraph or trolley poles, may be constructed in a manner similar to that shown in the drawings.

It will be understood from an inspection of
 55 the drawings that by thus making the post-base of telescoping tubular sections of unequal diameter, the lower section being the larger section, a more stable support is secured, and an exterior anchoring-shoulder 4^a
 60 is formed at the junction of the sections by the upper end of the lower section to hold the post firmly against displacement. It will be further understood that the cement filling not only serves to secure the lower portion of
 65 the post in the tubular base, but it also serves to secure the tubular telescopically-related base-sections together. Furthermore, the lower portion of the post extends through the tubular sections of the base and past the
 70 joint between their coengaging ends, so that the post serves to strengthen the connection between the sections of the base and prevents the cement from breaking under the stress to
 75 which the post and base are subjected at the place where the tubular sections are joined together.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction, operation,
 80 and advantages of my improved fence-post will be readily apparent without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be
 85 resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

In combination with a post, a base therefor, comprising an upper tubular tile, a lower tubular tile in the upper end of which the lower
 95 end of the upper tubular tile is inserted, the upper end of said lower tile forming an ex-

ternal anchoring - shoulder, and a filling of
cement or other plastic material in the said
tiles and around the post, the latter extend-
ing beyond the overlapping mutually-engag-
5 ing end portions of the tile and thereby
strengthening the connection between them,
substantially as described.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

CORNELIUS A. BIRCHER.

Witnesses:

HARRY C. LYNN,
W. H. YOUNG.