

Nov. 9, 1926.

1,606,697

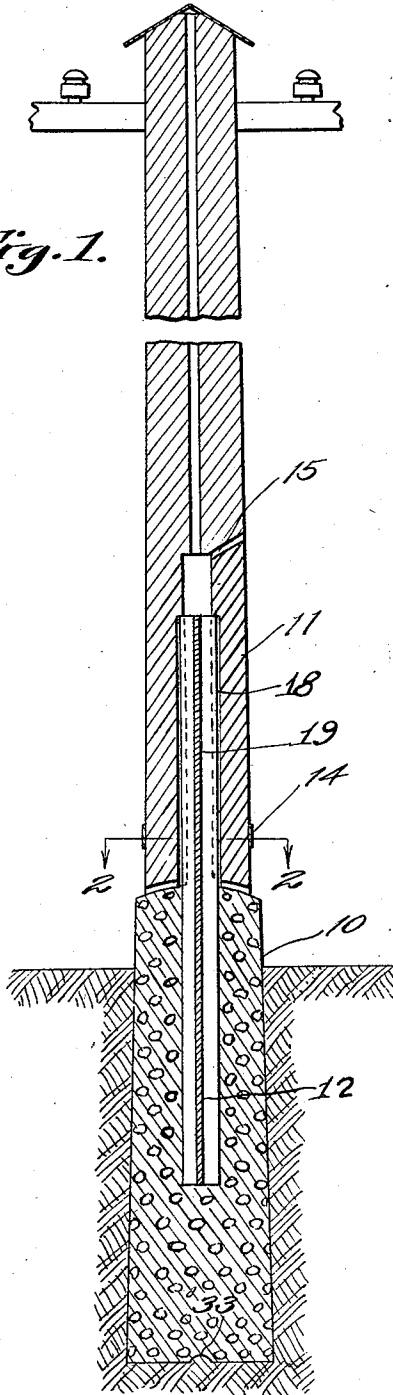
J. DEAN

POST

Filed May 20, 1925

2 Sheets-Sheet 1

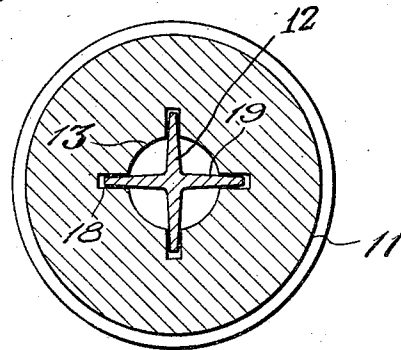
Fig. 1.



R. Elvis.

WITNESS:

Fig. 2.



John Dean

INVENTOR

BY *Victor J. Evans*

ATTORNEY

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Fig. 3.

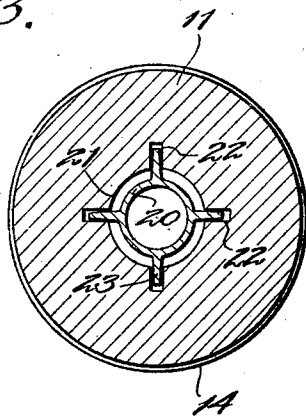
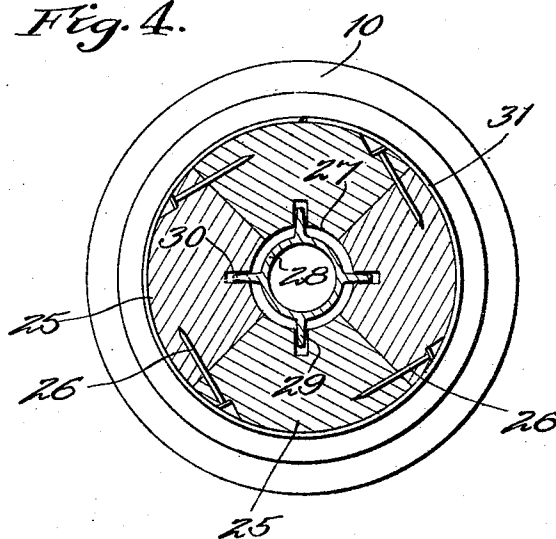


Fig. 4.



John Dean

INVENTOR

BY *Victor J. Evans*

ATTORNEY

R. E. White

WITNESS:

UNITED STATES PATENT OFFICE.

JOHN DEAN, OF VICTORIA, BRITISH COLUMBIA, CANADA.

POST.

Application filed May 20, 1925. Serial No. 31,681.

This invention has for its object the provision of a post construction with a view of affording the latter prolonged life, strength and durability without any material increase in the cost of manufacture.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a vertical sectional view through a post constructed in accordance with the present invention.

Figure 2 is a transverse sectional view taken on the line 2—2 of Figure 1. Figure 3 is a transverse sectional view of a post embodying a modification of my invention. Figure 4 is a transverse sectional view embodying a modification of my invention.

Referring to Figure 1 of the drawings, 10 represents the lower section of the post which is preferably constructed from concrete and adapted to be embedded in the ground as shown. The upper section of the post is indicated at 11 and is preferably constructed of wood, being adapted to repose upon the lower section 10 to which it is secured in a manner to be presently described, these sections are formed with aligned bores, to receive the reinforcing element 12. The bore in each section receives this reinforcing element as indicated at 13. Surrounding the upper section 11 at a point adjacent its lower end is a metallic band 14 to prevent the section from sliding under any and all circumstances. The bore 13 of the upper section communicates with a port 15 which opens at one side of the post and through which port grout or other suitable material is poured into the post as an entirety, this material filling the bore 13 around the reinforcing element 12 providing a very strong and substantial post. By reason of the fact that the lower section 10 is constructed of concrete or the like, the post is not effected by the moisture in the ground, which materially lessens the life of the post if wholly constructed of wood, while at the same time the post may be constructed in

accordance with the present invention at a minimum cost.

The respective sections of the post are formed with diametrically opposed longitudinal grooves 18 to receive the respective flanges or portions 19 of the reinforcing element 12 of cross sectional configuration shown in Figure 2.

In Figure 3, I have shown a further modified form of invention which differs from the other forms hereinafter described in the construction of the reinforcing element 20. This element 20 is of hollow tubular contour in cross section and is adapted to be arranged in the bore 21 of the post section in spaced relation to the wall of said bore, so that the grout or other material poured into the post will fill not only the reinforcing member 20 but the space between the later and the wall of the bore. The post section is provided with diametrically opposed grooves 22 to receive the flanges or portions 23 which radiate from the tubular portion of the reinforcing element, being coextensive in length therewith.

In Figure 4, I have illustrated another modified form of invention wherein the concrete lower section of the post is indicated at 24, the upper section being constructed of wood, being preferably made up of sections or segments 25 which are secured together by suitable fastening elements 26. This section of the post is also formed with a longitudinal bore 27 to receive a reinforcing element 28 of the same contour as that shown and described in connection with Figure 3, the flanges 29 of said reinforcing element being received by longitudinal grooves 30 formed in the respective sections of the post as shown.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, I claim:

1. A post comprising a lower concrete section and an upper wooden section reposing upon the lower section, said sections having aligned communicating bores, a reinforcing element partly received by the

bores of the respective sections, plastic material adapted to be arranged in said bores about said reinforcing element, the upper section of said post having longitudinal passages communicating with its bore, and flanges projecting from the reinforcing element and received by said passages.

2. A post comprising a lower concrete section, and an upper wooden section reposing upon the lower section, said sections having alined communicating bores, said upper section including a plurality of sub-

stantially segmental sections, means for holding said sections together, each section having a longitudinal passage communicating with the bore of the upper section of the post, a reinforcing element partly received by the bores of the respective sections, and flanges carried by said element and arranged in said longitudinal passages for the purpose specified.

In testimony whereof I affix my signature.

JOHN DEAN.