

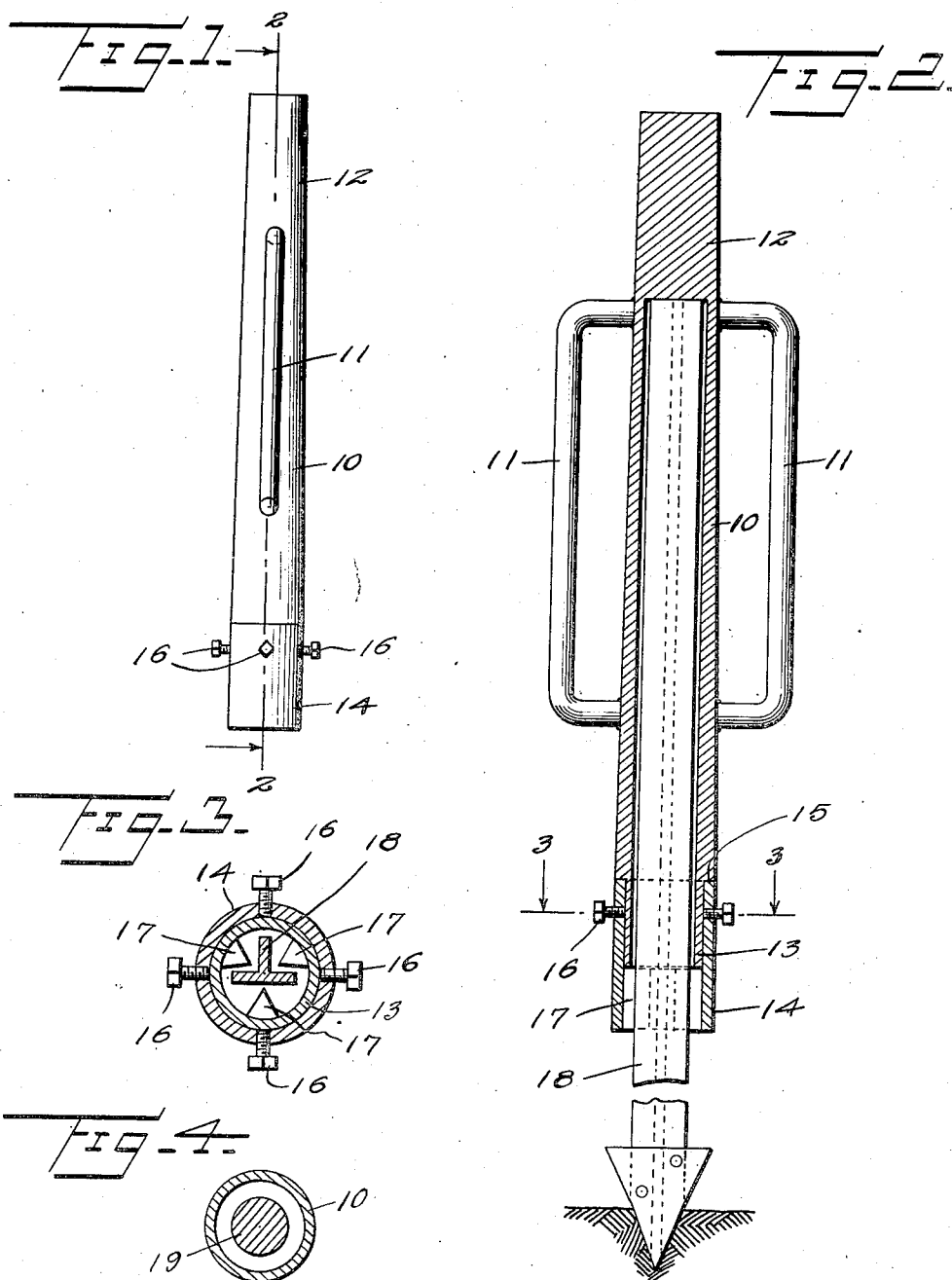
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POST DRIVER

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POST DRIVER

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2 Claims. (Cl. 61-73)

This invention relates to post drivers and has for an object to provide a hammering tube having grips on the sides by means of which the hammering tube may be rapidly raised and lowered upon the post during the driving operation.

A further object is to provide a post driver having novel guides which will particularly adapt the device for use in connection with posts of T-shape cross sections so that the wire supporting face of all of the driven posts will be in the same plane and thus promote ease of stapling the wire.

A further object is to provide a device of this character which will be formed of a few strong simple and inexpensive parts, which will be easy to manufacture, and which will not easily get out of order.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming part of this specification,

Figure 1 is a side elevation of a post driver constructed in accordance with the invention.

Figure 2 is an enlarged longitudinal sectional view taken on the line 2-2 of Figure 1.

Figure 3 is a cross sectional view taken on the line 3-3 of Figure 2.

Figure 4 is a cross sectional view of the hammering tube with the guide sleeve removed to permit posts of circular cross section being driven.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, 10 designates a hammering tube which is provided on the opposite side with long substantially U-shaped grips or handles 11 by means of which the tube may be rapidly raised and lowered manually on the post during the driving operation. The top of the tube is solid for some distance below the extreme end of the tube, as shown in Figure 2, to provide a heavy weight, of substantially twenty pounds, more or less, which weight constitutes a hammer 12 when the tube is forcibly telescoped over the post during the driving operation.

The lower end of the tube 10 is uniformly reduced as shown at 13 to receive a guide sleeve 14, the upper end of which is adapted to contact with the shoulder 15 formed by reducing the

lower end of the tube. The guide sleeve is removably secured to the reduced lower end of the post by set screws 16, preferably four in number, arranged at an angular distance of about a quadrant apart on the sleeve. The sleeve is provided at the bottom with a plurality of longitudinal guide ribs 17 which are substantially triangular in cross section and are arranged at an angular distance of about 120 degrees apart on the inner wall of the sleeve below the reduced end 13 of the tube.

In operation a post 18 of substantially T-shape cross section may be inserted endwise in the bore of the tube 10 and during such insertion the guide ribs 17 will receive between them the web and the wire receiving flange of the post, as shown in Figure 3, so that the operator may set the post upon the ground with its wire receiving face in the plane of the post previously driven, as best shown in Figure 2. Thereupon the hammering tube may be raised and rapidly lowered on the post and during the successive hammer blows the guide ribs 17 will function to maintain the post properly aligned with its wire receiving face disposed in the plane of the wire receiving face of the posts previously driven.

In Figure 4 it will be seen that the guide sleeve 14 may be dispensed with when it is desired to drive posts 19 of circular cross section.

Although a specific form of guide tube has been described as used in connection with T-posts, it will be stated that the guide sleeve may be formed to receive posts of any other cross section within the scope of the invention.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

1. A fence post driver comprising a hammering tube provided with a reduced lower end, and a guide sleeve removably secured to said reduced end and having guide ribs extending inwardly below the bottom of the tube and adapted to engage between the angularly disposed web and flange of a T-post.

2. A fence post driver comprising a hammering tube, handles for manipulating the tube, the tube having a cylindrical bore, a sleeve on the lower end of the tube provided with longitudinally extending circumferentially spaced apart guide ribs extending inwardly below the bottom of the tube, and means for removably securing the sleeve to the tube.

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