Nov. 18, 1930. L. JOUBERT 1,782,168

COLLAPSIBLE POST

Filed Sept. 9. 1929

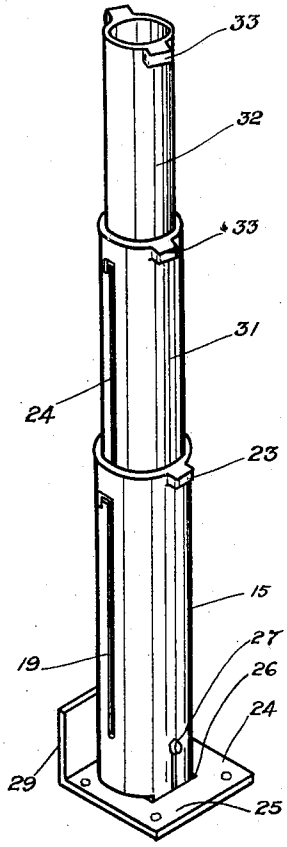


FIG 1.

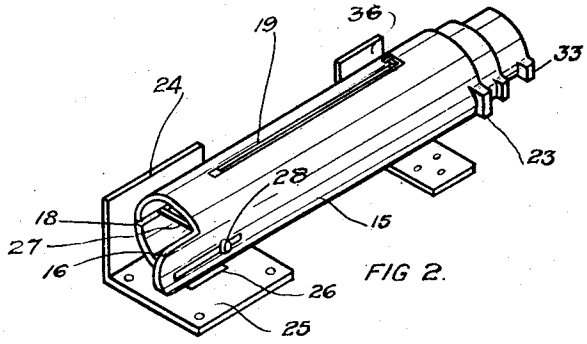


FIG 2.

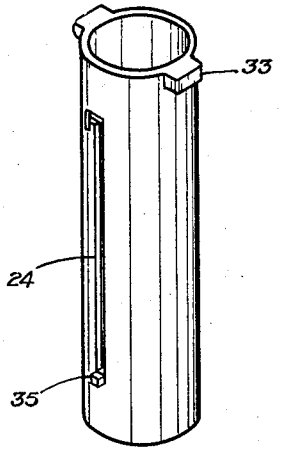


FIG 4

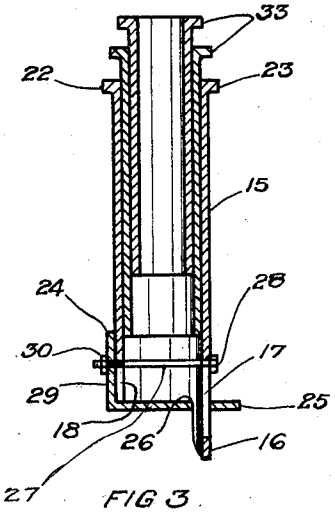


FIG 3.

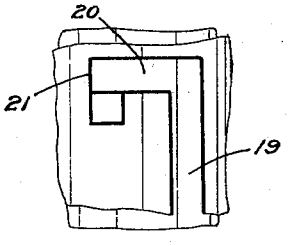


FIG 5.

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UNITED STATES PATENT OFFICE

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COLLAPSIBLE POST

Application filed September 9, 1929. Serial No. 391,491.

The invention relates to a collapsible post, as described in the present specification and illustrated in the accompanying drawings that form part of the same.

The invention consists essentially of the novel features of construction pointed out broadly and specifically in the claims for novelty following a description containing an explanation in detail of an acceptable form of the invention.

The objects of the invention are to insure the rigidity of a post that may be folded down in order to be out of the way, that is to say, to make very certain that the post in its upright position will be strong enough to support any goods that may be piled against it, especially so in the use of posts on flat cars in railways, though the same kind of post may be applied in many directions; to produce these particular posts at a reasonable price so that the use thereof will not entail any extra expense in equipment; and generally to provide a reliable durable and efficient post for many uses.

In the drawings, Figure 1 is a perspective view of the extended post.

Figure 2 is a perspective view of the post collapsed.

Figure 3 is a vertical sectional view of the post showing the sections collapsed.

Figure 4 is a perspective detail of one section of the post.

Figure 5 is a fragmentary detail showing the locking slot.

Like numerals of reference indicate corresponding parts in the various figures.

Referring to the drawings, the main section of the post, that is to say, the ground or post section is indicated by the numeral 15 and is of tubular shape in formation having the downwardly extending lug 16 longitudinally slotted at 17, this slot being closed at both ends and extending upwardly into the wall of the tube.

Diametrically opposite this slot 17 and particularly that part of the slot which is in the wall of the tube, the slot 18 is made, this slot being open at its lower end.

In the length of the tubular member 15, the slot 19 is made, this slot is elongated and is turned at the upper end to form the locking slot 20, which is of L-shape at the end 21 thereof.

At the extreme upper end of the member 15, the lugs 22 and 23 project from the sides and these lugs are intended for lifting purposes, that is to say, to lift this length 15 bodily up to clear the lug 16.

The angle plate bracket 24 is formed in the section 25 with the slot 26 into which the lug 16 extends in the upright position of the post and the pin 27 extends through the slots 17 and 18, the head 28 of said pin engaging the outer surface of the wall of the tube 15 and the inner end of the pin extending through the section 29 of the bracket and secured on the other side of said section by the nut 30.

The extensible sections 31 and 32 are telescopically arranged one within the other and one within the section 15, and each have the lifting lugs 33, and one of course has the longitudinal slot 24, the same as the slot 19, the lugs 35 running in said slots from the inner length through the outer length always.

The angle bracket 36 is shown as supporting the section 15 in its collapsed position.

In the operation of this post the lower section and extensible sections in their collapsible position are lifted upwardly until the lug 16 slides into the slot 17, then the pin 27 engages the length 15 in the slot 18, thereby maintaining the length 15 in a fixed position in relation to the bracket 24.

To extend the post, that is make it higher, the sections 31 and 32, one or both of them, are lifted so as to bring the lugs 35 into the locking slots at the ends of the elongated slots.

What I claim is:—

1. In a collapsible post, an angle plate having an extension forming a base and a slot through said base, a post having a lug projecting downwardly therefrom adapted to be received in said slot, a slot in said lug, and a pin extending through said latter slot and secured in the upstanding section of said angle plate.

2. In a collapsible post, an angle plate having a slot in one section, a tubular post having a lug projecting from one end adapted to

be received in said slot, a longitudinal closed slot in said lug and an open slot opposite said closed slot, and a pin extending through the post and said slots and secured in the other section of said plate.

3. In a collapsible post, an angle plate having a slot in one section parallel to the other section, a bolt hole in the latter section, a tubular extensible post having its length telescopically arranged, a longitudinal slot and a locking slot in one of the inner lengths, a stop carried by a length within said inner length, said stop receivable in either of said slots, lugs carried at the outer ends of each length for extension purposes, the outer length having a supporting lug projecting therefrom, a slot in said lug, a second slot in said outer length opposite said first mentioned slot and a bolt through said slots and through said bolt hole in said angle plate and fastened by a nut.

Signed at Williamstown, Ontario, this 8th day of April, 1929.

LAWRENCE JOUBERT.