Sept. 9, 1930. C. FASSINGER 1,775,391

SUPPORT

Filed Oct. 5, 1928

Fig. 1.

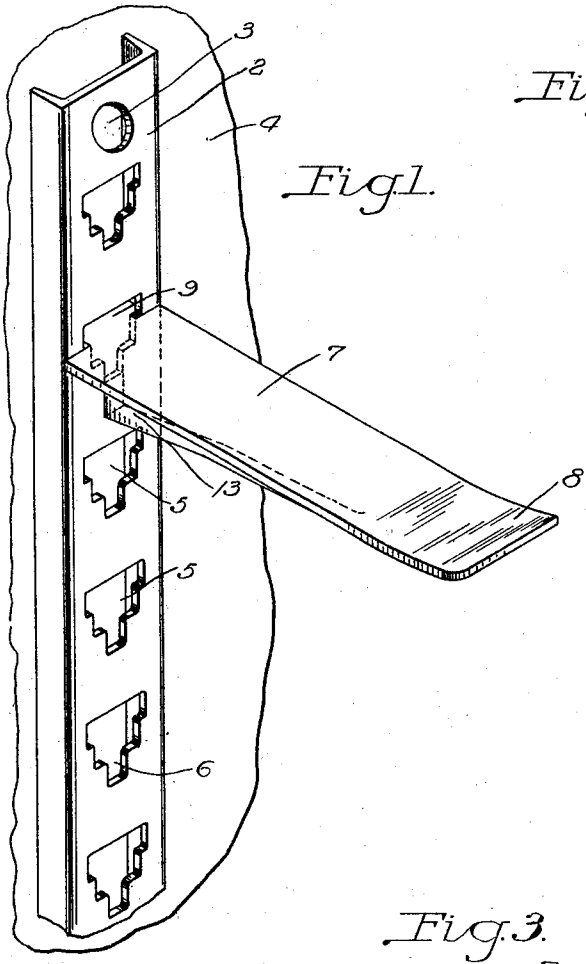


Fig. 2.

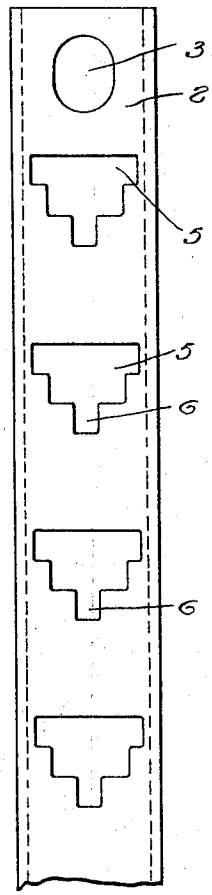


Fig. 3.

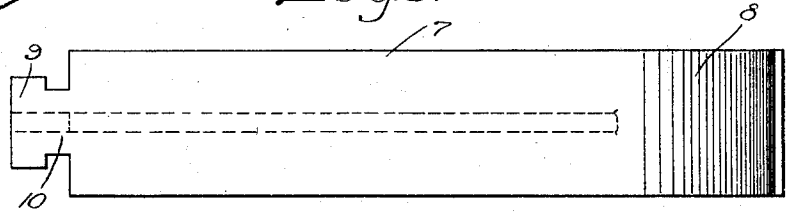
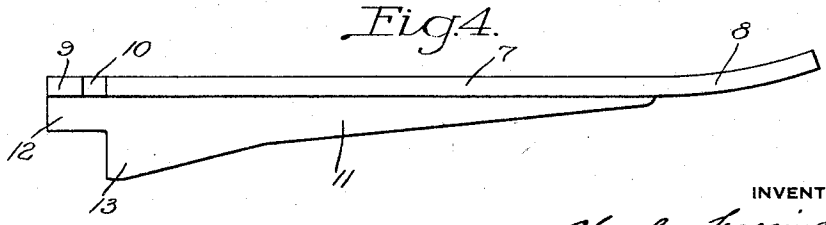


Fig. 4.



INVENTOR

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UNITED STATES PATENT OFFICE

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SUPPORT

Application filed October 5, 1928. Serial No. 310,635.

This invention relates broadly to supports, and more particularly to cable rack assemblies especially adapted for supporting electric cables.

In accordance with my invention I provide a cable rack assembly including a cable rack and a cable support which may be easily and quickly assembled or disassembled and which, when assembled, provides a support which is securely connected to the bracket.

In the accompanying drawing which illustrates the present preferred embodiment of my invention

Figure 1 is a perspective of an assembled cable rack and support;

Figure 2 is a front elevation of the cable rack;

Figure 3 is a plan view of the cable support; and

Figure 4 is a side elevation of the support.

Referring to the drawing, my cable rack assembly comprises a cable rack formed of a channel iron 2. The channel iron is provided with openings 3 which are adapted to receive means (not shown) for fastening the rack to the wall 4 of the conduit in which the cables are to be laid. The rack is provided with a plurality of stepped openings 5 each of which is formed in a series of downwardly and inwardly extending steps.

The width of the openings therefore decreases in steps from the tops to the bottoms of the openings. This provides a relatively narrow downwardly extending recessed portion 6 adapted to receive a rib formed on the cable support.

The cable support includes a substantially flat horizontally extending body portion 7 having an upwardly turned end 8 adapted to retain the cables on the support. The opposite end of the support is provided with a T-shaped portion 9 having a narrow neck portion 10. A downwardly extending rib 11 is secured to the lower surface of the body 6 and extends longitudinally thereof. As shown in Figure 4, the rib extends along the center line of the body portion and tapers downwardly toward the left hand end of the support. The end of the rib adjacent the T-shaped head 9 is provided with a notched out portion forming a portion 12 of the rib above the notched portion and a portion 13 adjacent the notched portion.

In assembling the device, the support 7 is inserted into an opening 5 and the support is then lowered until the portion 12 of the rib 11 is in cooperative relation with the recess 6 provided in the rack 2. In this position the support is prevented from being drawn outwardly from the rack by contact of the T-shaped head 9 with the portions of the rack adjacent the opening 5. The portion 13 of the rib 11 contacts with the rack 2 between the openings 5 and transmits the load of the cables on the support to the rack.

Because of the provision of the cooperating recess 6 in the rack and the rib portion 12 on the support, the support is prevented from rotation even though the cables resting on the supports sag therebetween, tending to cause rotation of the supports relative to the rack.

I have illustrated and described the present preferred embodiment of my invention. It is to be understood, however, that the invention may be otherwise embodied without departing from the spirit of the invention or the scope of the following claims.

I claim:

1. A cable rack assembly comprising a cable rack provided with a downwardly and inwardly stepped opening having at least two steps and including a relatively narrow downwardly extending recess communicating therewith, a cable support having a substantially T-shaped head of less width than the body of the support formed at one end thereof, and a downwardly extending rib secured to said support and adapted to fit into the downwardly extending recessed portion of the cable rack to prevent rotation of said support.

2. A cable rack assembly comprising a cable rack provided with a downwardly and inwardly stepped opening having at least two steps and including a relatively narrow downwardly extending recess communicating therewith, a cable support including a substantially horizontally extending body portion having one of its ends turned upwardly,

a substantially T-shaped head formed on the opposite end of said support, and a downwardly extending rib secured to said support, said rib having a notched portion at the end adjacent the T-shaped head, the rib above the notched portion being adapted to fit in the downwardly extending recessed portion of said rack to prevent rotation of said support, the rib adjacent the notched portion contacting with and transmitting the load on the support to said rack.

In testimony whereof I have hereunto set my hand.

CHARLES FASSINGER.