

J. F. SALLOWS.
CABLE GRIP.
APPLICATION FILED APR. 9, 1909.

940,732.

Patented Nov. 23, 1909.

FIG. 1.

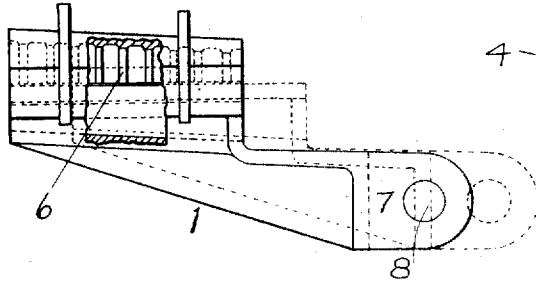


FIG. 2.

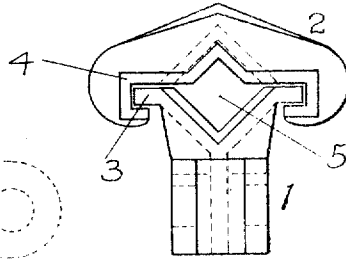


FIG. 3.

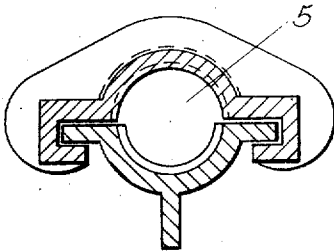


FIG. 4.

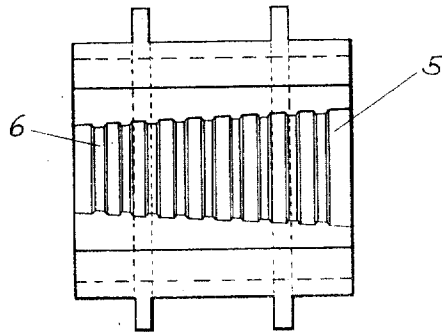
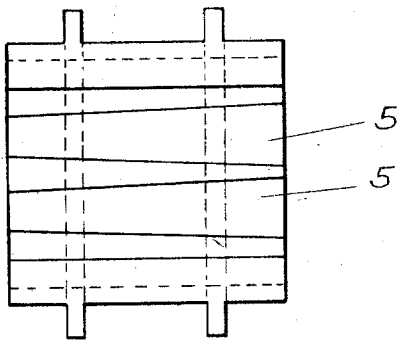


FIG. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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CABLE-GRIP.

940,732.

Specification of Letters Patent.

Patented Nov. 23, 1909.

Application filed April 9, 1909. Serial No. 498,879.

To all whom it may concern:

Be it known that I, JAMES F. SALLOWS, a citizen of the United States, residing at Lansing, in the county of Ingham and State of Michigan, have invented certain new and useful Improvements in Cable-Grips, of which the following is a specification.

My invention relates to cable grips, and its object is to furnish a device that shall be strong and reliable in operation, and yet simple and cheap in construction.

In the drawings, Figure 1 shows a longitudinal elevation of one form of my device, a part of the wall being broken away to show the arrangement of the gripping ribs. Fig. 2 is a cross-elevation; Fig. 3 is a cross-section of a modified construction; and Fig. 4 is a plan view of the upper member of the same. Fig. 5 shows a plan view of a modification of my device adapted to gripping a plurality of cables at one time.

My device is composed of two members; a drawing member, 1, and a gripping member, 2. As I prefer to construct it, the drawing member is provided on each side with a flange or projection, 3, each of said flanges being adapted to slide in a corresponding groove in the gripping member, as shown in Fig. 2; but it is evident that the relative positions of the flange and groove might be reversed without departing from my invention. A tapering cable groove, 5, which may be either triangular, polygonal, or circular in cross-section is formed in each of the members, as shown in Figs. 2, 3, and 4, the two members being so put together that the smaller end of the groove in one is next to the large end in the other. If it is desired to grip a plurality of cables, or wires at one time, a plurality of grooves may be formed in the two members, as shown in Fig. 5. The groove in the gripping member is preferably, though not necessarily, provided with ribs, 6, projecting slightly into the groove for the purpose of obtaining a stronger grip on the wire or cable. The drawing member, 1, is provided with an extension, 7, in which an eye, 8, is formed, adapted to receive a rope or other means for drawing the device.

The operation of the device is as follows: Suppose a cable be inserted in the device and a tractive force be applied to the drawing member, 1. The first effect will be to slide the drawing member in the groove, 4, until it occupies the position shown by the dotted lines in Fig. 1. On account of the tapering form of the grooves, 5, it is evident that, as they moved along they would grip the cable more closely and that the harder the strain the more tightly the cable would be gripped. It is also evident that the grip can be readily released by moving the members into the positions shown by the dotted lines in Fig. 1, or by sliding them entirely apart, which can readily be done.

I claim as my invention and desire to secure by Letters Patent:

1. In a cable grip, a drawing member and a gripping member, slidably connected to each other, each of said members being provided with a tapering cable groove, substantially as described.

2. In a cable grip, a drawing member and a gripping member, slidably connected to each other, each of said members being provided with a tapering cable groove, the taper in said groove extending in relatively opposite directions, substantially as described.

3. In a cable grip, a drawing member and a gripping member, slidably connected to each other, each of said members being provided with a tapering cable groove, the taper in said groove extending in relatively opposite directions, said groove in one of said members being provided with gripping ribs, substantially as described.

4. In a cable grip, a drawing member and a gripping member, slidably connected to each other, each of said members being provided with a tapering cable groove, the taper in said groove extending in relatively opposite directions, and said drawing member being provided with an extension adapted to connect with means for drawing, substantially as described.

5. In a cable grip, a drawing member and a gripping member, slidably connected to each other, each of said members being provided with a tapering cable groove, the taper

in said groove extending in relatively opposite directions, said groove in one of said members being provided with gripping ribs, and said drawing member being provided
5 with an extension adapted to connect with means for drawing, substantially as described.

In testimony whereof, I affix my signature in presence of two witnesses.

JAMES F. SALLOWS.

Witnesses:

HARRIET L. LAWRENCE,
EMMA G. CAVANAGH.