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POLE BRACKET

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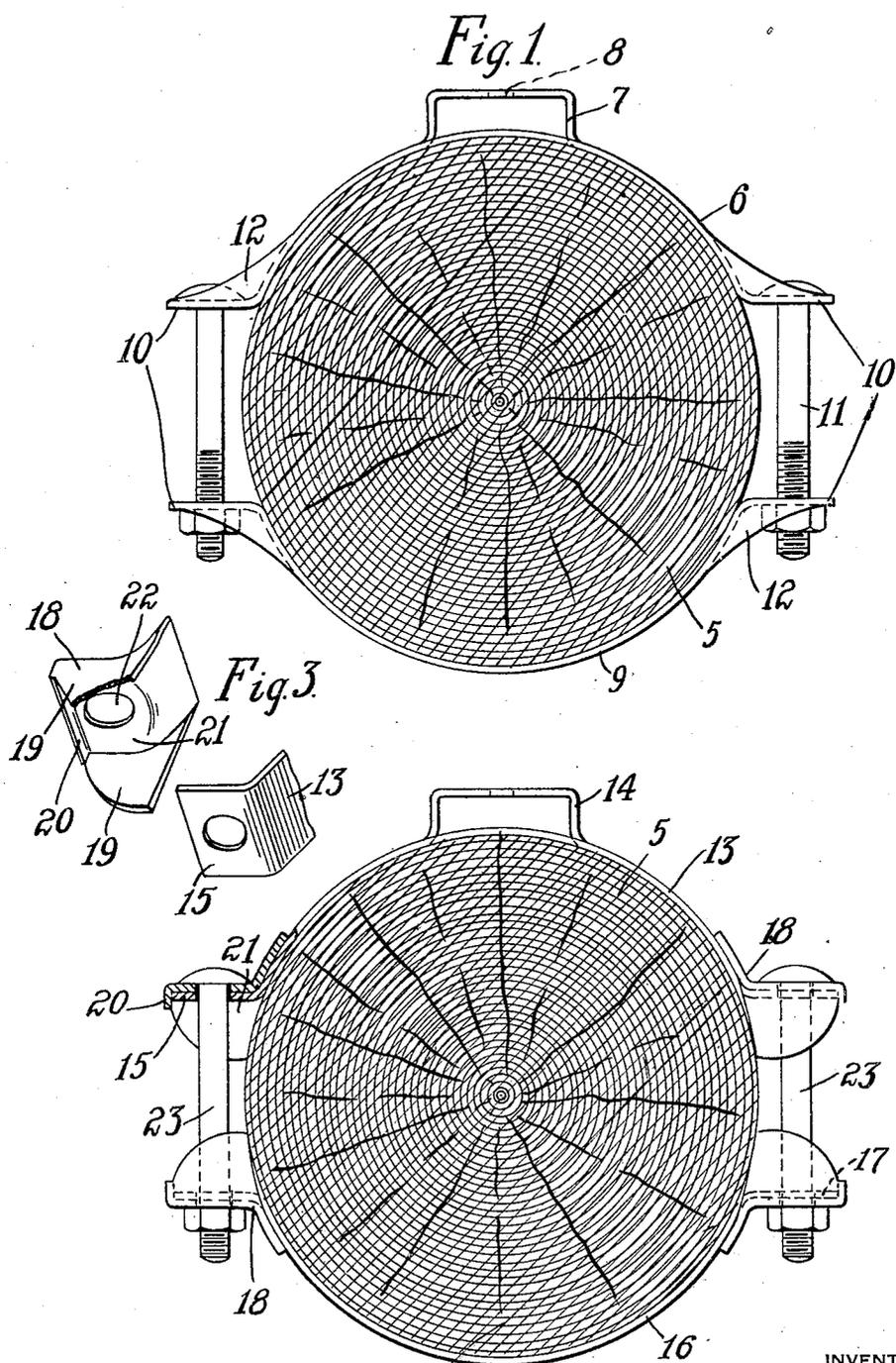


Fig. 2.

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UNITED STATES PATENT OFFICE

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POLE BRACKET

Application filed May 29, 1929. Serial No. 366,874.

This invention relates to supports and more particularly to an adjustable pole bracket for telephone or telegraph poles or the like, for use in supporting different types of fixtures in position on the pole, for example, as is disclosed in my co-pending application Serial No. 335,199, filed Jan. 26, 1929.

In modern pole line construction the poles themselves are commonly of concrete, metal, or the like, and of different diameter at different heights. Concrete poles and fabricated steel poles are generally designed on a taper of one-quarter inch per foot from top to bottom. Poles formed of common piping, such as trolley poles, generally include several sections of different sizes telescopically arranged.

An object of this invention is to provide an adjustable pole bracket for use in securing fittings on poles constructed and arranged to be of use with poles of different diameters, or for use with the varying diameter of tapered poles.

A further object is to provide a flexible pole bracket of the type set forth constructed and arranged so as to be capable of securing various types of fixtures to the pole.

These and other objects which will be apparent to those skilled in this particular art are accomplished by means of the invention illustrated in the accompanying drawing in which Fig. 1 is a plan view of a bracket constructed in accordance with one embodiment of this invention showing the pole to which it is secured in section. Fig. 2 is a similar view of a modified construction and Fig. 3 is a view of the clamping strap and associated clamping member of Fig. 2 in separated relation.

In Fig. 1, the pole 5 is of any commercial type and the particular embodiment of the invention therein illustrated includes a fixture attaching collar 6 having a bolt pocket 7 or the like having an opening 8 formed centrally therein through which the shank of the fixture supporting bolt may extend, the head of the bolt lying within the recess formed by the pocket 7, as will be readily understood by those skilled in this particular art. A clamping band 9 is associated with

the fixture supporting band, and each of the bands is provided with outwardly extending perforated clamping ears 10 adapted to receive clamping bolts 11 for securing the straps in place. Strain resisting flanges 12 are formed along each edge of each strap adjacent the clamping ears for the purpose of strengthening and giving rigidity to the latter. These flanges are located on opposite sides of the associated clamping bolt and prevent the clamping ears being stretched out of operative position when the device is applied to the pole.

The form illustrated in Figs. 2 and 3 includes a fixture supporting strap 13 having a pocket 14 similar to the pocket 7 above described and provided with perforated clamping ears 15 extending outwardly from each end thereof. A clamping strap 16 is also provided with similarly arranged ears 17. A reinforcing and clamping member 18 is provided for cooperation with each clamping ear of the two strap members and, as illustrated, the clamping member 18 has reinforcing flanges 19 extending outwardly therefrom and adapted to engage the pole along the inner edges when in position. These flanges cooperate with a short lip 20 to provide a pocket 21 for receiving the associated clamping ears 15, 17. The portion of the clamping member adapted to overlie the associated ear is provided with an oval opening 22 adapted to coincide with the perforation in the associated clamping ear to permit a clamping bolt 23 being positioned so as to extend therethrough as illustrated in Fig. 2. By forming the opening 22 as an oval, provision is made for slight variation in the position of the perforations in the clamping ears 15, such as many occur in commercial production.

It will be apparent that, with the arrangement illustrated in Fig. 1, the clamping strain will be resisted by the strain resisting flanges 12 located on each side of the clamping ears 10 and joining the edges of these ears to the adjacent edges of the strap member proper.

It will also be apparent that the arrangement illustrated in Fig. 2 provides a separable strain resisting member having pole en-

gaging flanges which absorb the clamping strains in such a way as to prevent distortion of the associated clamping ears, but at the same time permitting the strap members to be clamped to the pole with sufficient grip to support any fixture desired.

What I claim as new and desire to secure by Letters Patent is:

1. A fixture support for poles including a strap member having a pocket for receiving the head of a fixture supporting bolt and outwardly extending clamping ears on the ends thereof, a clamping band for said strap member having outwardly extending ears on the ends thereof, clamping members overlying said ears and having reinforcing flanges adapted to seat on said pole and a clamping bolt extending through said members and said ears for securing said fixture to the pole.

2. A fixture support for poles including a strap member having a pocket therein for receiving the head of a fixture supporting bolt, perforated ears formed on the ends thereof, an associated clamping member for said strap member having perforated ears formed on the ends thereof, a perforated separable reinforcing member adapted to fit over each of said ears and provided with strain resisting flanges engaging the associated pole and a clamping bolt extending through said members and said ears for securing said fixture to the pole.

3. In an adjustable fixture support for poles including a strap member having a pocket therein forming a recess for receiving the head of a fixture supporting bolt and outwardly extending clamping ears on the ends thereof, a clamping band for said strap member having outwardly extending ears on the ends thereof, reinforcing clamping members for said ears having a flat portion, a downwardly projecting lip on said flat portion and downwardly projecting strain resisting flanges on the sides of said flat portion adapted to engage the pole, said lip and said flanges forming a recess for receiving the clamping ears on said strap members and means extending through aligned openings in said reinforcing members and said ears for securing said strap members around said pole.

4. In an adjustable fixture support for poles having complementary strap members provided with outwardly extending perforated clamping ears on the ends thereof, a reinforcing clamping member for each of said ears having a flat portion adapted to overlie said clamping ear, a lip on the edge of said flat portion and strain resisting flanges on each side of said flat portion adapted to seat on said pole, and a clamping bolt extending through openings in said strain resisting members and said ears for securing said strap members around said pole.

5. In an adjustable fixture support for

poles having complementary strap members provided with outwardly extending perforated clamping ears on the ends thereof, a reinforcing clamping member for each of said ears having a flat portion, an oval opening therein adapted to align with the perforations in said ears, a downwardly projecting lip thereon, downwardly projecting strain resisting flanges on each side thereof adapted to seat against said pole, said lip and said strain resisting flanges forming a recess for receiving said perforated clamping ears, and a clamping bolt extending through said aligned openings in said strain resisting members and said ears for securing said strap members around said pole.

In testimony whereof, I have hereunto subscribed my name this 27th day of May, 1929.

RALPH H. MANSON.