

B. HASKELL.
TELEGRAPH POLE AND THE LIKE.
APPLICATION FILED MAY 22, 1909.

969,860.

Patented Sept. 13, 1910.

Fig. 1.

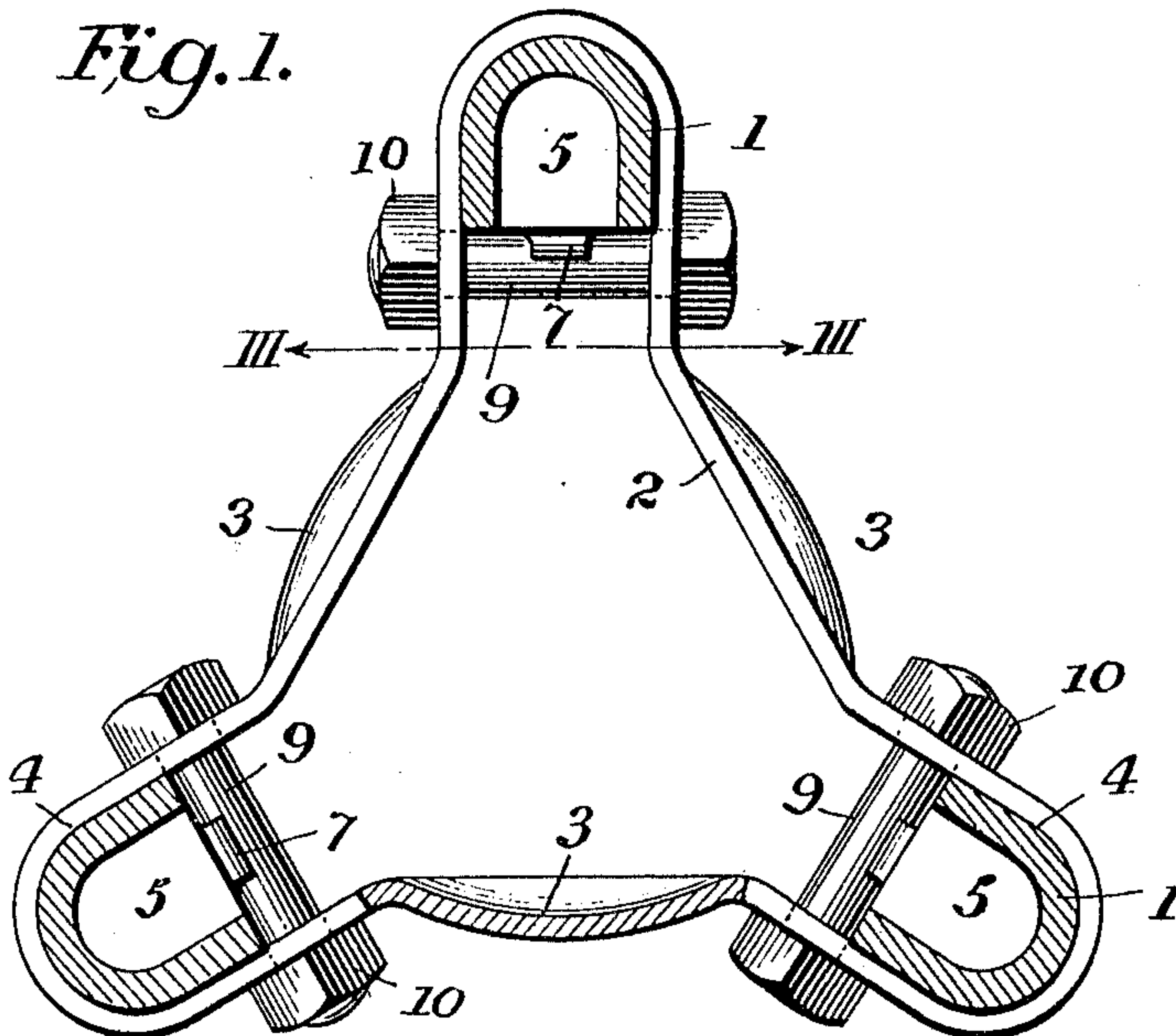


Fig. 2.

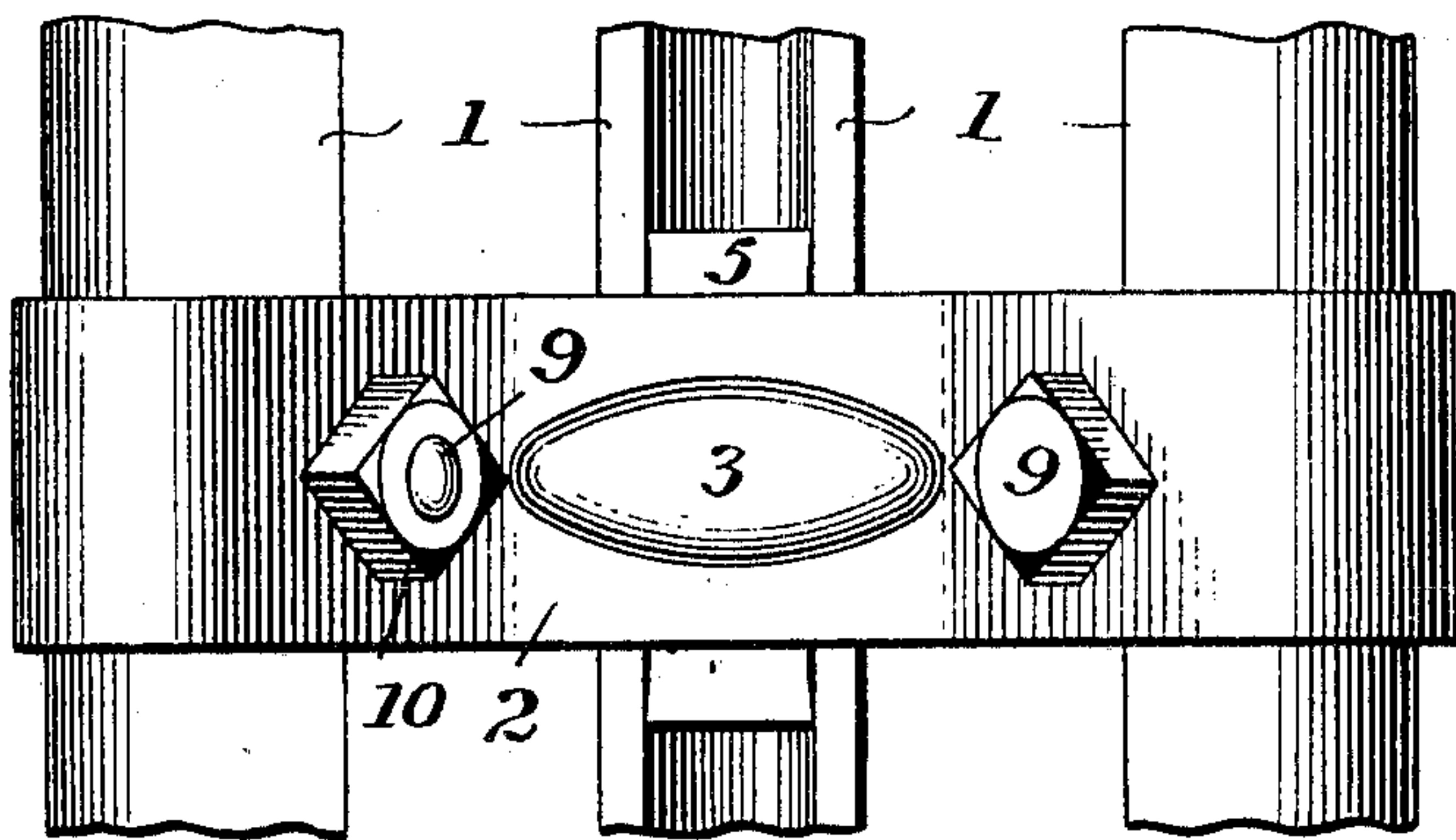


Fig. 3.

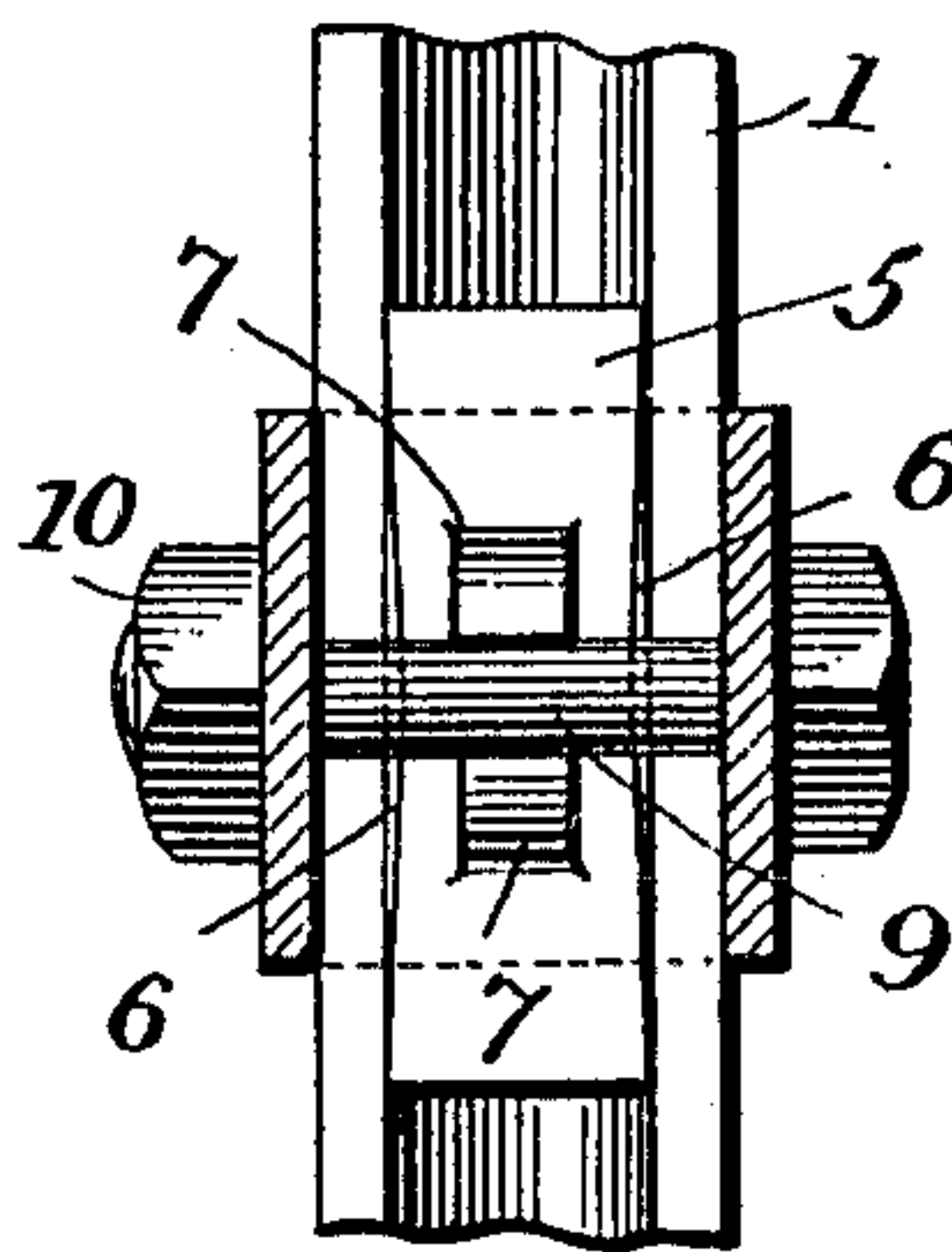


Fig. 4.

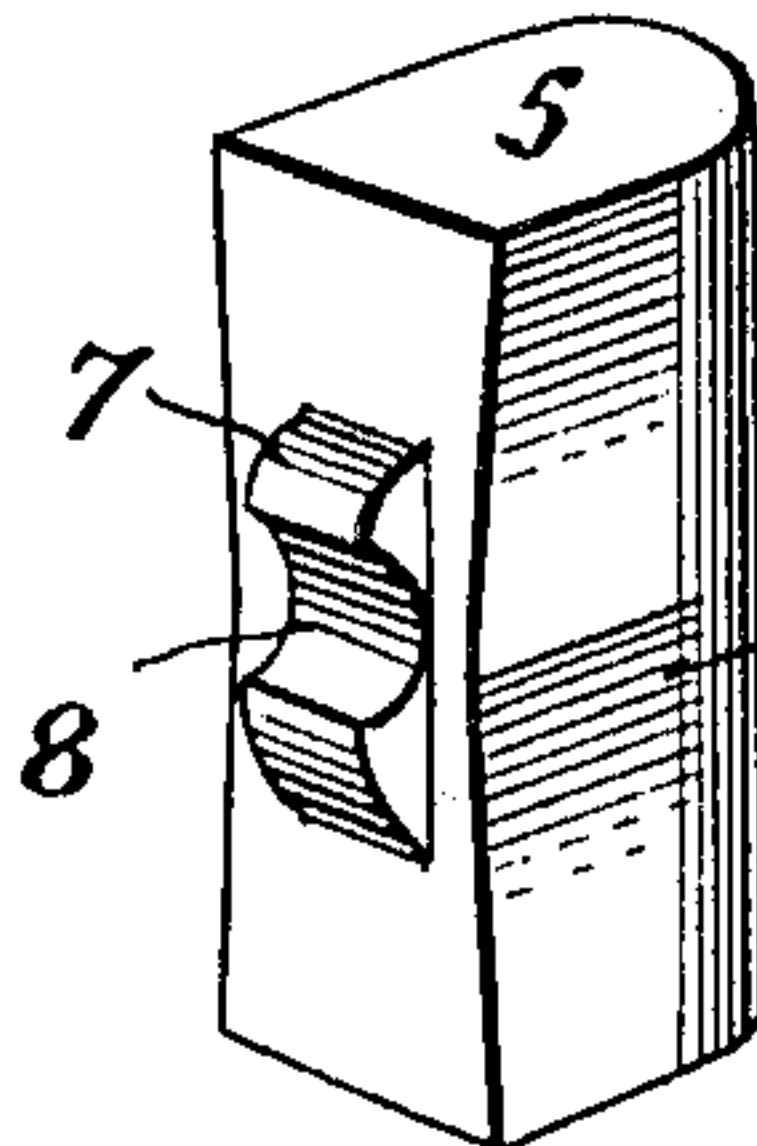
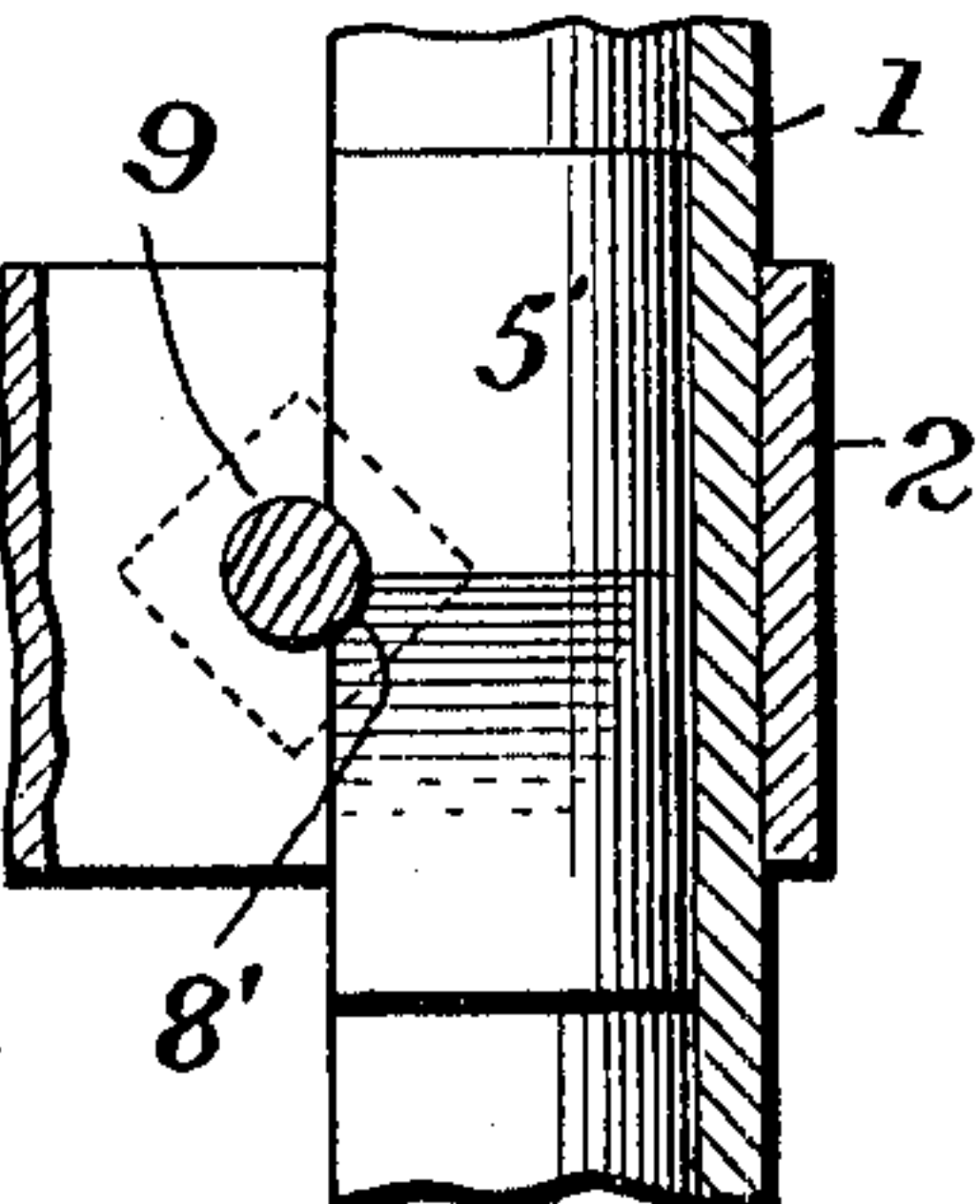


Fig. 5.

Witnesses

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TELEGRAPH-POLE AND THE LIKE.

969,860.

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To all whom it may concern:

Be it known that I, BRODERICK HASKELL, a citizen of the United States, residing at Franklin, in the county of Venango and State of Pennsylvania, have invented certain new and useful Improvements in Telegraph-Poles and the Like, of which the following is a specification.

My invention relates to the construction of metallic poles for telegraph and like use, and particularly to a type of such poles wherein a series of preferably three legs or uprights are secured in proper converging relation to each other by transverse bands bolted or otherwise secured thereto at proper intervals.

The matters of invention consist in improved means and devices for rigidly and effectively securing said bands to the uprights in a manner to effect great strength combined with ease of manipulation and assembling.

The invention will be clearly understood from the following detail description taken in connection with the accompanying drawings and the novel features will be thereafter particularly pointed out in the appended claims.

Referring to said drawings; Figure 1 is a transverse section through an assembled pole adjacent one of the securing bands. Fig. 2 is a fragmentary elevation of a portion of a pole showing a band in place on the uprights. Fig. 3 is a detail vertical section on line III—III of Fig. 1, showing details of the securing devices. Fig. 4 is a like detail vertical section taken at right angles to that of Fig. 3 and showing a modified form, and Fig. 5 is a detail perspective of a novel form of filling block forming a part of the construction of Figs. 1 to 3.

The uprights 1 are preferably formed into U shape from plate material and the bands 2, are of substantially triangular form, suitably recessed at the corners thereof to closely embrace the said uprights as shown at 4. The straight parts of the bands between such recesses are in the best embodiment of the invention, and as shown at 3, dished or corrugated to attain greater strength and rigidity in said members. Filling blocks 5 are provided, the same being shaped to fit the interior of the uprights, except that the sides thereof are tapered or drawn inward at an intermediate point as shown at 6 for a purpose that will

presently appear. As shown in Figs. 1 to 3 and 5 said blocks are provided at the fronts thereof and adjacent such drawn in portions with spaced apart lugs 7, forming between them a bolt receiving recess 8.

In assembling the pole, the bands 2 are placed upon the uprights 1, the filling blocks 5 are arranged within the uprights as shown and bolts 9 inserted through holes formed therefor, in the bands 2, the intermediate portions of said bolts lying as shown in the recesses 8. Upon the application of suitable nuts 10 to said bolts and the tightening thereof, it will be seen that the underlying portions of the bands 2 and uprights 1 will be compressed and warped inward into the shallow recess formed by the drawn-in portion 6 of the filling blocks, thus rigidly and reliably securing the parts together. If desired in this form, as in that shown in Fig. 4, the bolts 9 may be also let into recesses 8' in the uprights 1 to further insure the same against displacement.

The form shown in Fig. 4 is further modified in that a recess to receive about one third of the diameter of the bolt is formed in the blocks 5' instead of the employment of lugs 7 as in the preceding form.

Having now fully described my invention, what I claim as new and desire to secure by Letters Patent is as follows:

1. A structure comprising two hollowed out members, one partly wrapped around the other, means for warping the same together, and means for rigidly clamping said members after a determinate amount of such warping.

2. A pole comprising U shaped legs, transverse bands secured thereto, and means for first warping inward together said legs and bands and then clamping the same rigidly in such warped position.

3. A pole comprising hollow legs, transverse bands secured thereto, clamping means for warping inward together said legs and bands, and an interior abutment arranged to co-act with said clamping means to rigidly clamp said legs and bands in warped position.

4. A pole comprising hollow legs, transverse bands secured thereto, clamping means for warping inward said legs and bands, and a filling block arranged to co-act with said clamping means, said block having a drawn-in intermediate portion.

5. A pole comprising hollow legs, trans-

verse bands secured thereto, clamping means
for warping inward said legs and bands, a
filling block arranged to co-act with said
clamping means, said block having a drawn-
5 in intermediate portion, and a recess adja-
cent said drawn-in portion to receive said
clamping means.

6. A pole comprising U shaped legs, trans-
verse bands, bolts to warp inward together
10 said legs and bands, and filling blocks to co-
act with said bolts, said legs having bolt
receiving recesses therein to prevent dis-
placement of said bolts.

7. A pole comprising U shaped legs, trans-
verse bands secured thereto and having por- 15
tions thereof between the legs dished or cor-
rugated, and means for first warping inward
together said legs and bands and then
clamping the same rigidly in such warped
position.

In testimony whereof I affix my signature 20
in presence of two witnesses.

BRODERICK HASKELL.

Witnesses:

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L. A. ARNOLD.