

W. G. CLARK.
SUSPENSION INSULATOR CLAMP.
APPLICATION FILED SEPT. 21, 1911.

1,040,975.

Patented Oct. 8, 1912.

Fig. 1

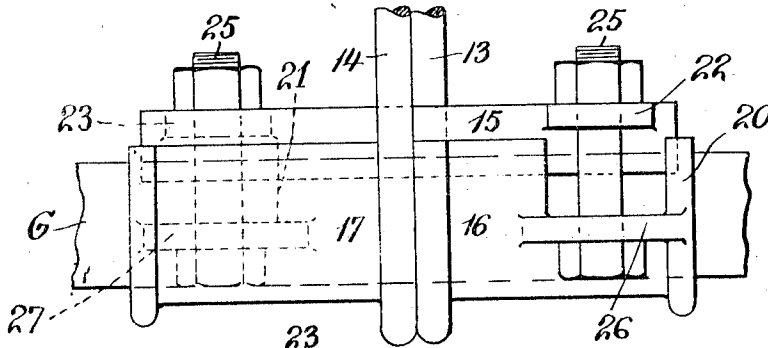


Fig. 2

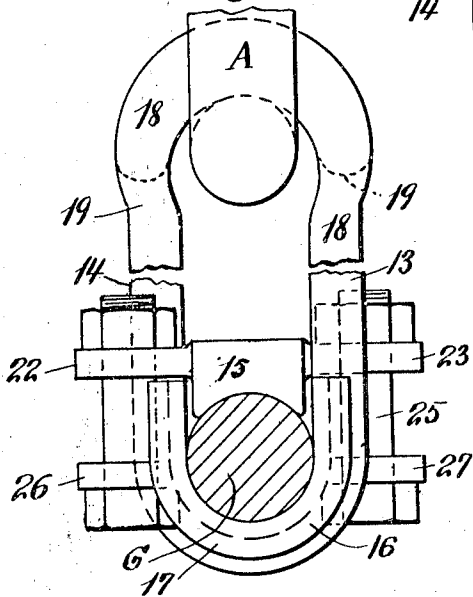
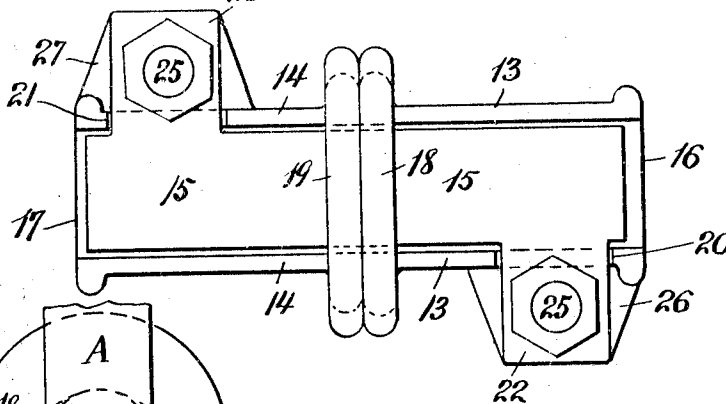


Fig. 3

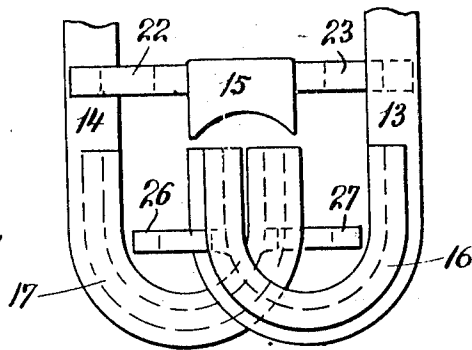


Fig. 4

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WALTER G. CLARK, OF NEW YORK, N. Y.

SUSPENSION INSULATOR-CLAMP.

1,040,975.

Specification of Letters Patent.

Patented Oct. 8, 1912.

Original application filed May 4, 1911, Serial No. 624,960. Divided and this application filed September 21, 1911. Serial No. 650,523.

To all whom it may concern:

Be it known that I, WALTER G. CLARK, a citizen of the United States, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Suspension Insulator-Clamps, of which the following is a specification, accompanied by drawings.

10 This invention relates to suspension insulator clamps and the objects of the invention are to improve upon the construction of such clamps, enable the conductor to be readily supported and held in position by one portion of the clamp while the other portions are being adjusted and tightened, and afford provision for substantially universal movement of the suspended clamp and conductor clamped thereon.

20 This application is a division of my co-pending application, Serial No. 624,960, filed May 4, 1911, for suspension insulator clamp.

To these ends the invention consists of the device described and claimed in this specification and shown in the accompanying drawings, in which—

25 Figure 1 is a side elevation partly broken away of a clamp embodying the invention; Fig. 2 is a top plan view; Fig. 3 is an end view, with the conductor in transverse section; and Fig. 4 is a detail end view partly broken away, with the clamping members separated.

30 Referring to the drawings, the clamp is adapted to be suspended from a suitable insulator or other support (not shown), and A, Fig. 3, represents the eye partly broken away, of a link or rod adapted to be connected to an insulator, from which the clamp is suspended.

40 The main clamping members 13 and 14, preferably comprise elongated grooved or U-shaped body portions or jaws 16 and 17 adapted to receive and hold a conductor, each body portion being provided at one end with a hook or suspending member 18 or 19 adapted to be suspended from the eye A. The main clamping members are in this instance adapted to lie end to end so that 50 the groove of one member is in prolongation of the groove in the other member. The sus-

pending hooks preferably lie in a plane transverse to the longitudinal axis of the main clamping members and preferably abut against each other when the members are 55 assembled.

The body portions 16 and 17 are cut away or recessed at 20 and 21 on opposite sides, preferably at the outer ends, to receive the opposed lugs 22 and 23 provided on a separate retaining member 15 forming a jaw and bridging the main clamping members longitudinally and holding them together in addition to clamping the conductor G in position. Bolts 25 pass through the outwardly 65 extending lugs or securing members 22 and 23 on the member 15 and through the cooperating lugs or securing members 26 and 27 on the body portions of the main clamping members, for tightening the clamp. 70

In accordance with this construction, the conductor may be readily supported in position and held by one or both of the main clamping members, while the clamp is being assembled, adjusted and tightened. The 75 strain is substantially equally distributed on the clamping members, while the conductor is firmly gripped and held in position, without a multiplicity of parts. The device may also be adjusted by means of the 80 bolts 25 to accommodate conductors of different diameters.

I claim and desire to obtain by Letters Patent the following:

1. A suspension insulator clamp, comprising main clamping members having grooved body portions and suspending members at one end, said clamping members being arranged end to end with the suspending members adjacent each other, and means for 90 holding a conductor in said clamping members.

2. A suspension insulator clamp, comprising main clamping members having elongated grooved body portions arranged 95 end to end, suspending members and securing members, and a retaining member arranged longitudinally of said clamping members and secured to said securing members. 100

3. A suspension insulator clamp, comprising main clamping members having

grooved body portions arranged end to end
with the grooves in substantial alinement, a
grooved retaining member arranged longitudi-
nally of said clamping members and se-
5 cured to each clamping member, and sus-
pending members projecting from the clamp-
ing members.

In testimony whereof I have signed this
specification in the presence of two sub-
scribing witnesses.

WALTER G. CLARK.

Witnesses:

HENRY SHELDON,
A. C. PARHAM.