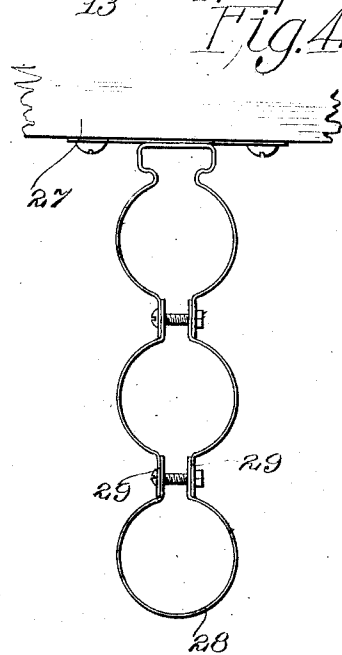
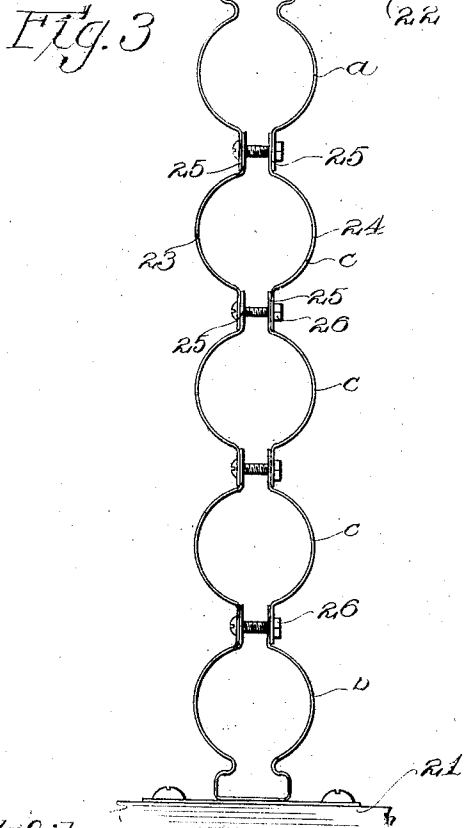
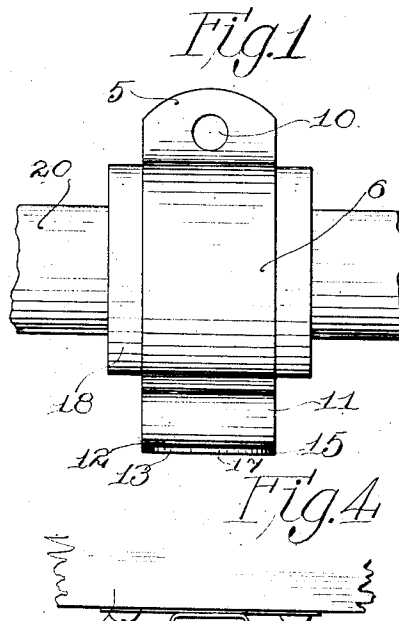
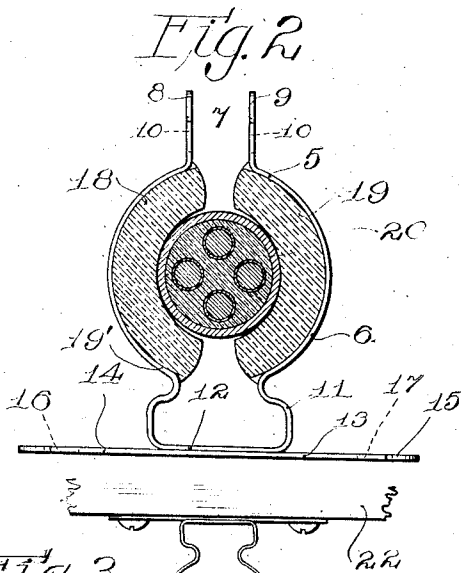


C. B. HUGHES.
CABLE HANGER.
APPLICATION FILED AUG. 2, 1917.

1,315,225.

Patented Sept. 9, 1919.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHESTER B. HUGHES, OF CHICAGO, ILLINOIS, ASSIGNOR TO MINERALLAC ELECTRIC COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

CABLE-HANGER.

1,315,225.

Specification of Letters Patent.

Patented Sept. 9, 1919.

Application filed August 2, 1917. Serial No. 184,489.

To all whom it may concern:

Be it known that I, CHESTER B. HUGHES, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Cable-Hangers, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to cable and pipe hangers and has for its general object the provision of a practical, inexpensive, and sturdy arrangement for supporting electric cables and pipes.

Specifically one of the features of the present invention is an improvement over the cable hanger disclosed in Patent No. 773,710 issued to D. B. Bronson on November 1, 1904, which forms a simple and inexpensive device, but which has one objection in that it does not provide efficient means for attaching it to a support. By the arrangement of my invention this one objection is eliminated and the advantages derived therefrom more than compensate for the slight additional cost of the device.

A further object of the present invention is an improved arrangement of a chain of hangers carried by one or two supports and arranged to support a plurality of cables.

These and other objects will be pointed out in connection with the accompanying drawings wherein,

Figure 1 is a side elevational view of the cable hanger of my invention;

Fig. 2 is an end view of Fig. 1 showing the cable and porcelain bushing in section;

Fig. 3 is a view showing the improved chain arrangement of hangers in which the hangers are carried by two supports; and

Fig. 4 is a modified arrangement of Fig. 3 in which only one supporting member is used.

Similar characters of reference refer to similar parts throughout the several views.

Referring first to Figs. 1 and 2, 5 designates a cable clamping member which is formed of strap metal and bent into substantially circular shape at 6. One side of the circular clamping member is provided with an opening, as shown at 7, and projecting from the circular portion 6 of the strap, one on each side of the opening 7, is a pair of projections 8 and 9. Both of

these projections are provided with an aperture, as shown at 10 in Fig. 1, for the reception of a screw for securing the free ends of the metal strap together. The side of the circular portion of the strap 6 opposite the opening 7 is provided with an outwardly extending loop 11 whose extreme outer end is flattened as shown at 12. Welded to this flat portion of the loop is a base piece 13 which extends laterally from the hanger to provide the two ears 14 and 15. These ears are provided with openings at 16 and 17 for the reception of screws to facilitate connection of the hanger with a support. The base piece 13 is spot welded to the loop 11 so that it forms a part of the loop.

Porcelain bushings are employed at 18 and 19, each of which is substantially semi-circular in shape and is provided with a groove 19' on its periphery for the reception of the metal strap 5. A cable is shown at 20 between the porcelain bushings 18 and 19. After the bushings and cable have been put in place, as shown in Fig. 2, a screw is inserted into the openings 10 formed in the projections 8 and 9 so that the free ends of the strap may be clamped together to hold the cable in place. It will be observed that the base piece 13, together with its openings 16 and 17, serves to provide ready attachment of the hanger to a support and enables the hanger to be attached to a support having practically any shape or conformation. If the support to which the hanger is attached is convex or concave the base piece 13 can be bent into the required shape very conveniently.

In Fig. 3 I have shown a chain of cable hangers mounted between two supports 21 and 22. The hangers designated at *a* and *b* are constructed exactly as is the hanger shown in Figs. 1 and 2. Each one of the intermediate hangers *c-c* consists of two semi-circular metal straps 23 and 24, each of which is provided at its ends with an outwardly extending projection shown at 25-25. The outwardly extending projections of adjacent cable hangers overlap one another, as shown in this figure, and the several hangers are held together by the screws shown at 26.

In Fig. 4 I have shown a modified arrangement in which only one support is used, this support being shown at 27. In this case the last conduit hanger away from

the support may be formed by a complete loop 28 provided at its open end with the projections 29—29 overlapping the projections of the adjacent hanger. The hangers
5 are secured to one another by the screws shown which serve not only to provide a connection between the several hangers, but also as means whereby the hangers may be contracted to hold the several cables in
10 place.

Having thus described my invention what I claim as new and desire to secure by Letters Patent of the United States is:

1. A cable hanger consisting of a metal
15 strap bent into substantially circular form with an opening at one side, the ends of the strap projecting outwardly at the sides of the opening, said strap being constructed with an outwardly projecting loop having
20 a substantially flat portion, a bendable base piece attached to the flat portion of the loop and extending laterally from the hanger

to form an attaching piece, and means for securing the strap together at the said opening.

2. A cable hanger consisting of a metal
25 strap bent into substantially circular form with an opening at one side, the ends of the strap projecting outwardly at the sides of the opening, said strap being constructed
30 with an outwardly projecting loop having a substantially flat portion, a bendable base piece welded to the flat portion of the loop and extending laterally from the hanger to
35 form an attaching piece, and means for securing the strap together at the said opening.

In witness whereof, I hereunto subscribe my name this 30 day of July, 1917.

CHESTER B. HUGHES.

Witnesses:

J. VAN BUSKIRK,
CHAS. A. SPENKS.