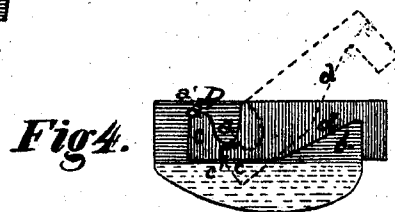
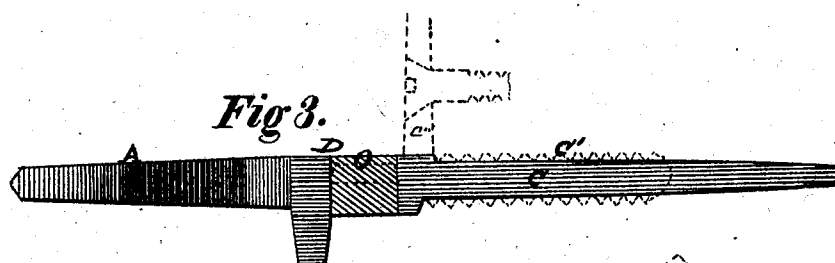
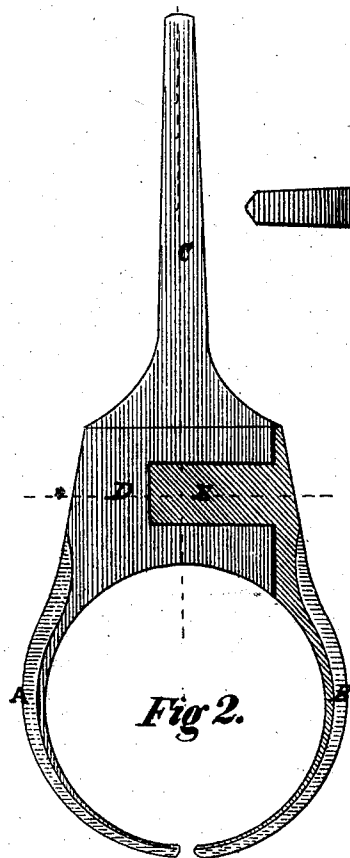
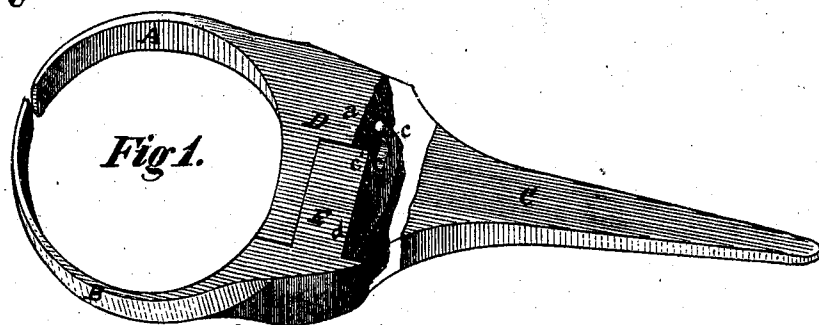


Leonard B. Hill. Albany N.Y.
CONDUCTOR BRACKET.

116309

PATENTED JUN 27 1871



Witnesses

{ Alex. Selkirk
 Chas. Selkirk

Inventor.

L. B. Hill

UNITED STATES PATENT OFFICE.

LEONARD B. HILL, OF ALBANY, NEW YORK, ASSIGNOR TO HIMSELF AND PETER CLARK, OF SAME PLACE.

IMPROVEMENT IN BRACKETS FOR WATER-CONDUCTORS.

Specification forming part of Letters Patent No. 116,309, dated June 27, 1871.

To all whom it may concern:

Be it known that I, LEONARD B. HILL, of the city and county of Albany, State of New York, have invented certain new and useful Improvements in Brackets for Conductors; and I do hereby declare that the following is a description thereof, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 represents a perspective view of the bracket, with a part broken away, illustrating the improvements. Fig. 2 is a vertical view of the same from its upper side. Fig. 3 is a longitudinal section through line No. 1 in Fig. 2. Fig. 4 is a cross-section through line No. 2 in Fig. 2.

My invention relates to the combination of locking devices with the grasping-arm of the bracket, which locking devices are each attached to its respective arm, and act mutually to hold the said arms in their proper positions secure around the conductor, which they are to grasp and support; the object of this invention being to produce a bracket which will be self-locking and firm in its grasp on the conductor.

To enable others skilled in the art to make and use my invention, I will proceed to describe it in reference to the drawing and the letters of reference marked thereon, the same letters indicating like parts.

The bracket consists, in part, of the two grasping-arms A and B and the spike C, which are old and already in use. To the grasping-arm A is made the spike C, or its equivalent C', by which the bracket is secured to the building; if of brick the spike C would be preferred, and if of wood I would prefer to use the screw-form C' with the pieced angle-piece C'', as shown in Fig. 3. In the body D of the A C portion of the bracket I make the opening O, Fig. 3, which leads to the catching-lip *a* that depends downward from the body D, and a recess, *a'*, as shown in Figs. 1 and 4. I also make in the body D, on the side opposite the lip *a*, a bearing, *b*, preferred to be sloped, as shown in Figs. 1 and 4, which bearing-piece is made solid with the said body and placed below the entrance of the opening O, as shown. I also attach to the grasping-arm B the angle-piece E,

which angle-piece E is intended to enter the opening O to fill the same, as in Figs. 1 and 2. On the extreme end of the angle E I make a catching-lip, *c*, and a recess, *c'*, both of which are to correspond in form and in relative position with the catching-lip *a* and recess *a'* in the body D, as in Figs. 1 and 4. A portion, *d*, of the lower surface of the angle-piece E is made sloping or of other form to correspond with the bearing *b* in the body D, as shown in Fig. 3.

The manner in which the grasping-arm B is connected with the portions A C is as follows: The grasping-arm B, with its angle-piece E, is tilted up so that the angle-piece will stand at an angle with the plane of the body D of its mate, as shown in Fig. 4 by dotted lines, when the said angle-piece is made to enter the opening O in the body D and is thrust therein, so that the catching-lip *c* of the angle-piece E will pass the lip *a* of the body to enter the recess *a'*, when the arm B and its angle-piece E will be pressed down to cause the surface *d* of the angle-piece E to bear on the bearing *b* of the body D, as shown in Figs. 1 and 4, in which position the grasping-arm B will be securely and rigidly locked to its mate A. The conductor to be grasped and supported is to be placed in the arm A previous to the locking of the arm B with the said arm A, as has been described.

By the improvements of my invention conductor-brackets, when made of malleable iron, can be furnished more cheaply than the common hook, and conductors can be readily hung to buildings or removed from the same without being injured in the least in either process.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the grasping-arm A, spike C or equivalent, as described, and body D provided with the opening O, lip *a*, recess *a'*, and bearing *b* with the grasping-arm B, and angle-piece E provided with the lip *c*, substantially as and for the purpose set forth.

LEONARD B. HILL.

Witnesses:

ALEX. SELKIRK,
CHAS. SELKIRK.