(No Model.)

F. M. BENNETT.

LOCK AND SUPPORT FOR CABLES, &c.

No. 426,655. Patented Apr. 29, 1890.

Fig. 1.

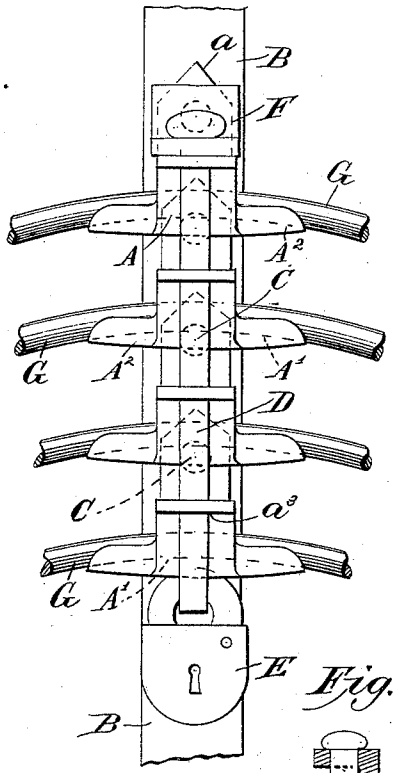


Fig. 2.

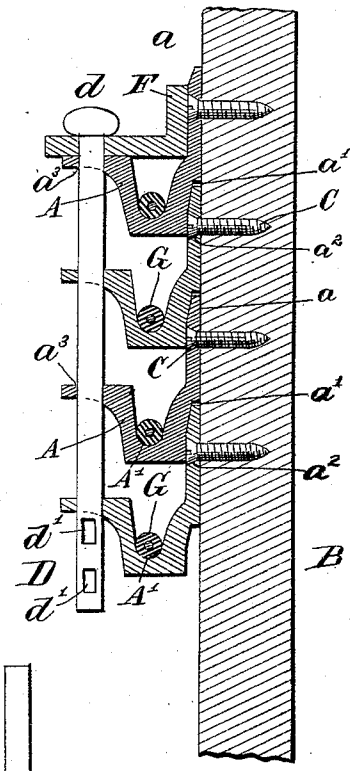
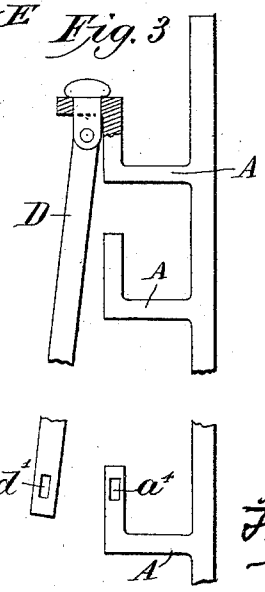


Fig. 3



Witnesses:
Emory McLean
William H. Parker

Inventor:
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FREDERICK M. BENNETT, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO WILLIAM CARROLL, OF SAME PLACE.

LOCK AND SUPPORT FOR CABLES, &c.

SPECIFICATION forming part of Letters Patent No. 426,655, dated April 29, 1890.

Application filed November 21, 1889. Serial No. 331,079. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK M. BENNETT, a citizen of the United States, and a resident of New York, county and State of New York, have invented a certain new and useful Improvement in a Lock and Support for Cables, &c., of which the following is a specification.

My invention relates to an appliance adapted to be used as a means for supporting and locking in proper position cables, wires, pipes, tubes, &c., and has for its object the provision of a device simple in construction, cheap in manufacture, and efficient in practical use.

To attain the desired end my invention consists in the construction and arrangement of parts described, and hereinafter pointed out in the claims.

In the drawings which form a part of this specification, Figure 1 represents a front elevation, and Fig. 2 is a central vertical section, of my improved cable lock and support; and Fig. 3 is a view in detail of a modification.

Like letters of reference, wherever they occur, indicate corresponding parts in all the figures.

Referring again to the drawings, A represents my cable-support provided with a forwardly-projecting shelf or ledge forming a bracket, the bottom of which is extended laterally on both sides, as at A^2, in order to furnish a better bearing or supporting surface. The bracket A^2 A^2 is provided with a concave groove in order to conform to the contour of and to properly sustain cables or other cylindrical bodies, and the bottom of the groove A′ is also made somewhat convex in order to avoid any strain, wear, or other injury occurring to the cables and like flexible articles which have a tendency to sag by reason of the level bearing and sharp square edges of the hooks and like supports hitherto used.

A series of supports A may or may not be integral with a common supporting-back B, and in cases where they are made independent of the same may be attached thereto, as by screws C passing through screw-holes a^2, formed in the same.

The supports A are preferably provided with an inverted-V-shaped pointed top a, and also with a similarly-formed recess a', placed at the lower rear portion thereof, which serve as guides whereby a series of supports may be readily placed in a vertical position, each support being situated directly over the lower one.

The supports A are engaged with a retaining-rod D, in order to hold the cables G in such a manner as to prevent their removal. This may be accomplished in any suitable manner, as by providing the flanged edges of the brackets of the supports A with orifices a^3, through which a common rod D may be inserted after cables G have been laid in the same, the rod D being provided with a head d and a slot d', which latter serves to sustain a padlock E or equivalent locking device of any suitable construction; or, as shown in Fig. 3, the cables may be locked by means of the engagement of the head d of the retaining-rod D with one bracket, and the hinged extremity of the same being secured to another support by a padlock inserted through the slots d' and a^4. An additional plate F may, if desired, be placed over the highest bracket of a series of supports A and engaged with the same and with the retaining-rod D in such manner that the top cable G will also be securely thereunder locked.

It is manifest that my invention provides a ready and reliable means of safely locking wires, cables, pneumatic tubes, and pipes and conductors of any description in the position in which it is desired that they should be permanently located, and prevents any danger of any tampering with or removal of the same.

As it is evident that many slight changes in the construction and relative arrangement of parts might be resorted to without departing from the spirit and scope of my invention, I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described, but that I reserve the right to make such changes, and that

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

1. The combination, with a cable-holder and with a cable, of a retaining-rod supported in a movable relation above the cable, and a lock E, whereby the retaining-rod is rigidly held

adjacent to the cable-holder, substantially as described.

2. As a new article of manufacture, a cable, &c., holder provided with a supporting convex groove, as and for the uses and purpose set forth.

3. A cable, &c., support provided with a widened bracket A^2 A^2 and with a convex groove A′, as and for the uses and purpose set forth.

4. The combination, with a series of supports A, provided with brackets A^2 A^2, of a common back B, substantially as described.

5. The combination, with the supports A, of the retaining-rod D, as and for the uses and purpose set forth.

6. The combination, with the supports A, provided with engaging devices, as the orifices a^3, of the retaining-rod D, provided with a head *d*, and of the locking-padlock E, substantially as described.

7. The combination, with a support A, provided with an engaging device, as the orifice a^3, of the retaining-rod D and plate F, as and for the uses and purpose set forth.

8. The combination, with supports A, provided with widened brackets A^2 A^2 and with convex grooves A′, of the retaining-rod D, padlock E, and cable G, as and for the uses and purpose set forth.

In testimony of the foregoing specification I do hereby sign the same, in the city of New York, county and State of New York, this 21st day of October, A. D. 1889.

FREDERICK M. BENNETT.

Witnesses:

JOSEPH ARTHUR BLACKMAN,

EMBURY MCLEAN.