(No Model.) 2 Sheets—Sheet 1.

T. H. BRADY.

PULLEY ATTACHMENT FOR ELECTRIC LAMPS.

No. 442,415. Patented Dec. 9, 1890.

Fig. 1.

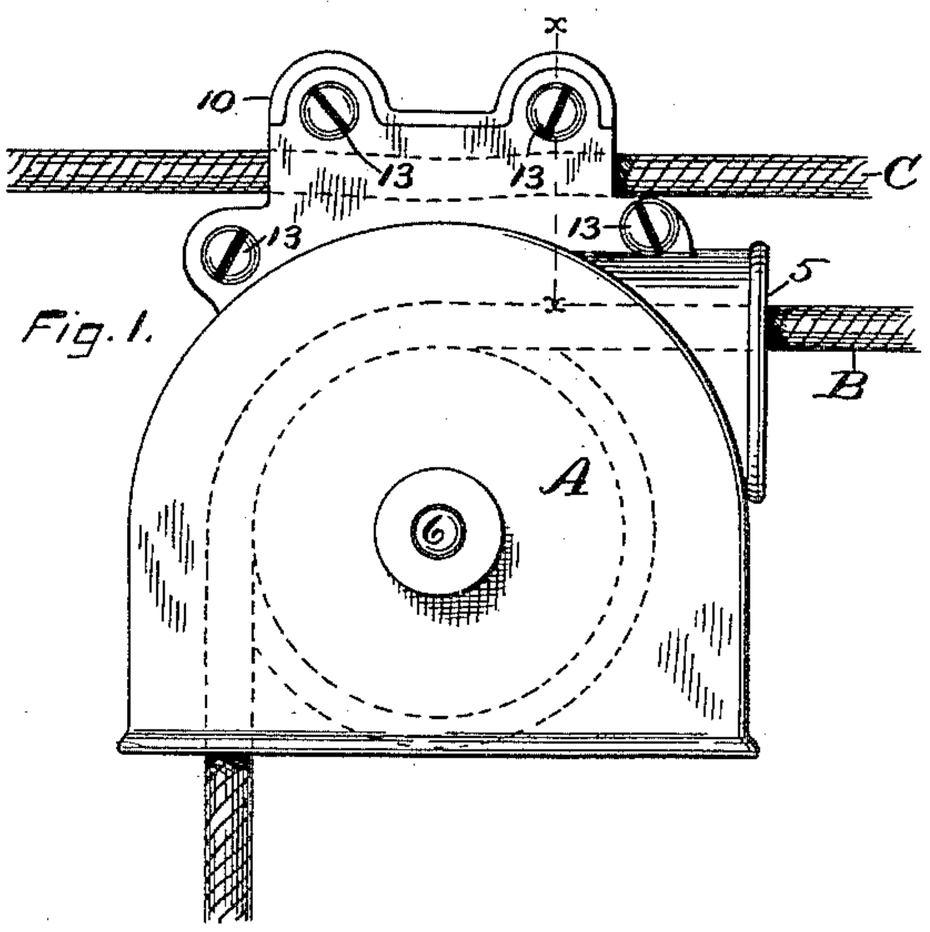


Fig. 2.

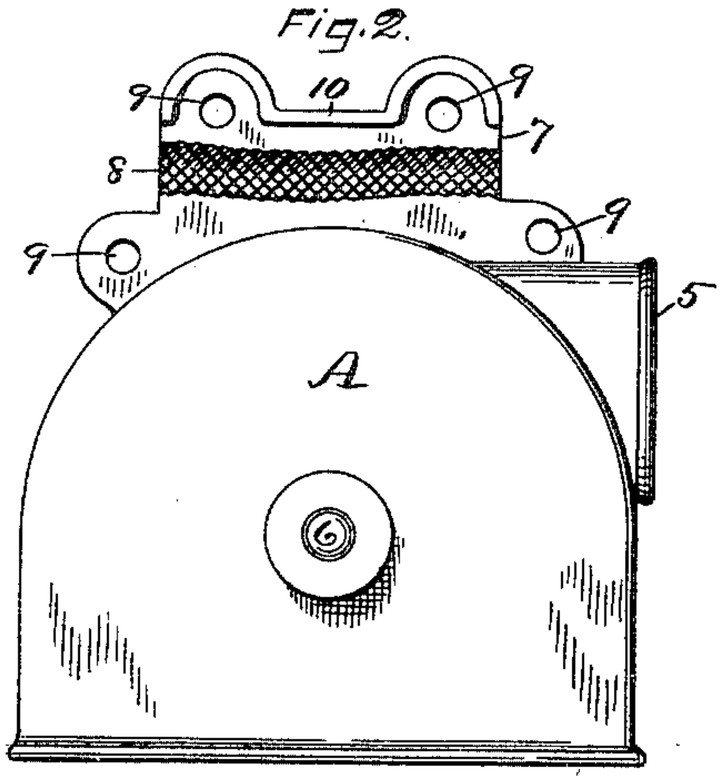


Fig. 3.

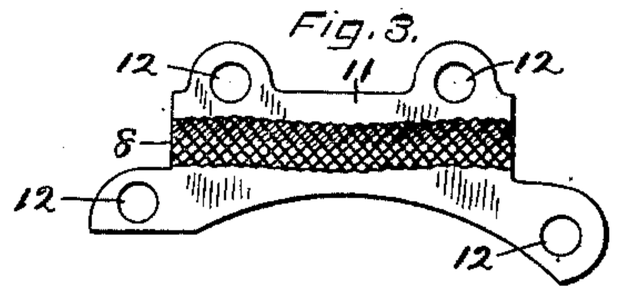
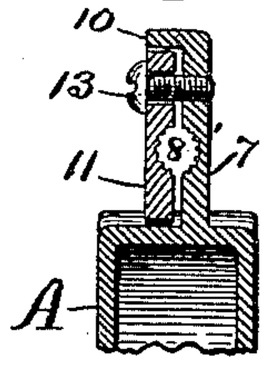


Fig. 4.



Witnesses.
John Edwards Jr.
J. A. Lewis

Inventor.
Thomas H Brady.
By James Shepard
Atty.

(No Model.) 2 Sheets—Sheet 2.

T. H. BRADY.

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Fig. 5.

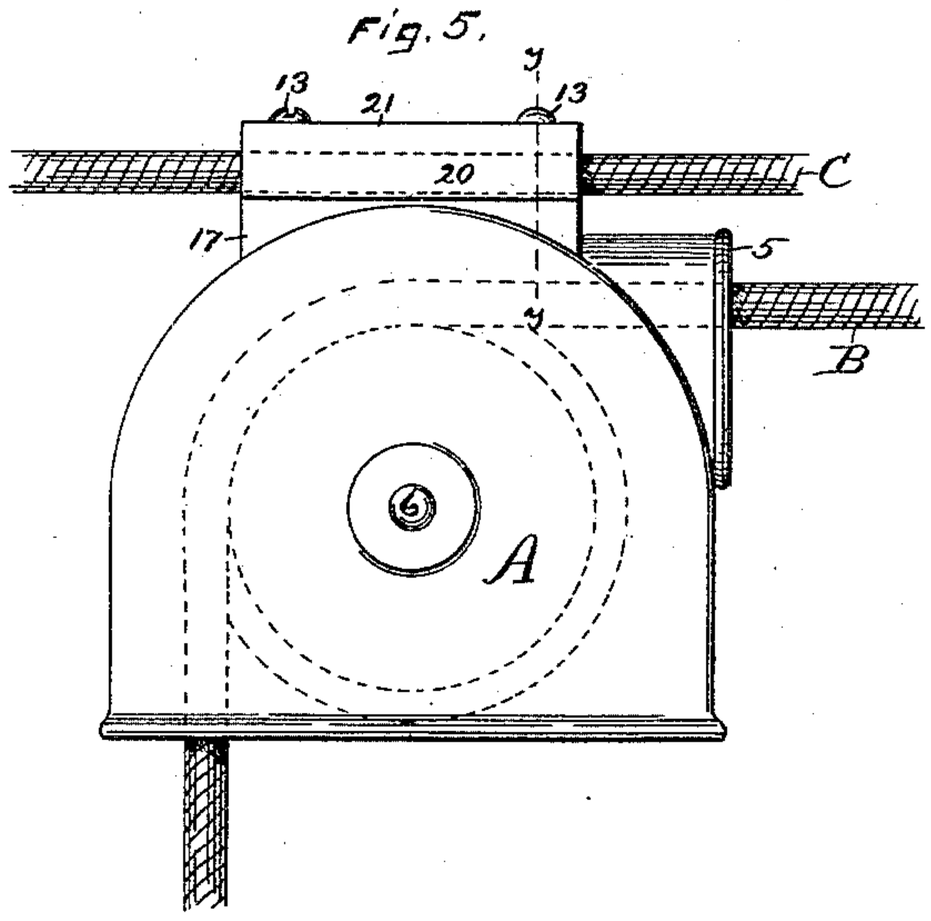


Fig. 6.

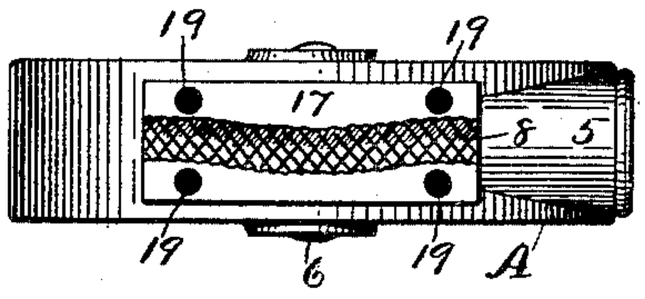


Fig. 7.

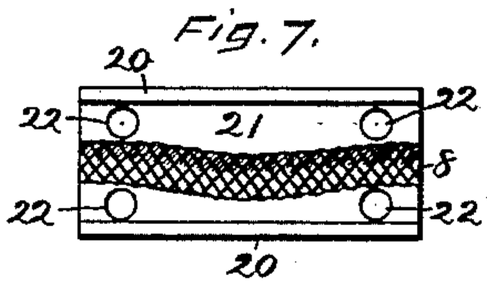
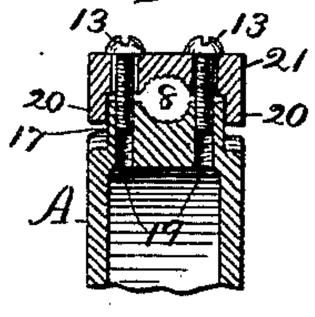


Fig. 8.



Witnesses.
John Edwards Jr.
W. G. Porter.

Inventor.
Thomas H. Brady.
By James Shepard.
Atty.

UNITED STATES PATENT OFFICE.

THOMAS H. BRADY, OF NEW BRITAIN, CONNECTICUT.

PULLEY ATTACHMENT FOR ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 442,415, dated December 9, 1890.

Application filed July 14, 1890. Serial No. 358,663. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. BRADY, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Pulley Attachments for Electric Lamps, of which the following is a specification.

My invention relates to improvements in pulley attachments for electric lamps; and the objects of my improvements are to protect the span wire or cable within the holding-socket from the weather, and to more securely hold the pulley-frame in place upon said span wire or cable.

In the accompanying drawings, Figure 1 is a front elevation of my pulley attachment with a portion of a span wire or cable and a portion of the cable for supporting a lamp. Fig. 2 is a front elevation of said pulley attachment with the cap-plate removed. Fig. 3 is a detached view showing the inner side of the cap-plate. Fig. 4 is a vertical section of a portion of my pulley attachment on line *x x* of Fig. 1. Fig. 5 is a front elevation of a modified form of my pulley attachment with a portion of the span wire or cable and a portion of the cable for supporting a lamp. Fig. 6 is a plan view of said attachment with the cap-plate removed. Fig. 7 is a reverse plan of said cap-plate, and Fig. 8 is a detached vertical section on line *y y* of Fig. 5.

The present invention is in the nature of an improvement upon the pulley attachment shown, described, and claimed in my application, Serial No. 344,506, filed March 19, 1890.

A designates the pulley-cover, open at the bottom edge, but inclosed on all other edges, excepting the cable-exit 5 at the upper right-hand corner of one side edge, as shown. This pulley-cover is perforated on its broad sides for receiving the axle 6 of an ordinary pulley. At its top edge it is provided with a socket-plate 7, having a roughened or ridged socket-groove 8, that extends longitudinally along the inner face of said plate in a curved or serpentine course, as shown. This plate is provided with threaded screw-holes 9 for the reception of fastening-screws, and its upper edge, as far as the socket-groove 8 extends, is provided with a forwardly-projecting shutting-over flange 10, the projection of which is equal to the thickness of the cap-plate 11. The cap-plate 11 is provided with a like socket-groove 8 and with holes 12, which register or coincide in position with the holes 9 in the socket-plate, whereby the cap may be secured to the front of and bound upon the socket-plate 7 by means of the fastening-screws 13, as shown. The upper edge of the cap-plate 11 is of a form which will fit underneath the flange 10, as shown.

The modified form, Figs. 5 to 8 inclusive, has the same pulley-cover and parts containing the same socket-grooves; but these parts are divided on a horizontal instead of a vertical line. At the top of the pulley-cover I form the socket-lug 17, having the serpentine socket-groove 8 and threaded screw-holes 19. The cap-plate 21 is also provided with the serpentine socket-groove 8 and screw-holes 22, that register with the threaded holes 19 in the socket-lug 17, whereby the cap may be secured in place and clamped upon its companion part by means of fastening-screws 13. I provide the side edges of the cap with downwardly-projecting shutting-over flanges 20 to cover the seam and protect the span wire or cable C the whole length of the socket. If desired, the flanges may also extend across the ends of the cap, less a slot at each end of the socket-groove, to admit the span-wire.

The pulley is designed to receive the ordinary cord or cable B for raising and lowering the lamp, and the socket-grooves 8 to receive the span wire or cable C, to which the pulley attachment is secured.

By my improvements I effectually protect the whole length of the clamping-socket grooves from the weather, so that they and that portion of the span wire or cable which is inclosed thereby may not become oxidized or otherwise injured. The shutting-over flange in both forms covers the seam and protects it, and is particularly useful when a span-wire is employed so large that the seam is necessarily open.

By making the clamping-socket in a curved or serpentine path in the direction of the length of the span wire or cable I more securely fasten the pulley thereto with less liability of its working out of place.

It is evident in the construction first de-

scribed that it would only be an inversion of the parts to form the flange 10 on the cap-plate 11 instead of on the socket-plate.

I claim as my invention—

1. The herein-described pulley attachment for electric lamps, the same consisting of the pulley-cover having the socket-plate 7, with the forwardly-projecting shutting-over flange 10 at its upper edge, and the cap-plate 11, with its upper edge fitted under the flange 10, substantially as described, and for the purpose specified.

2. The herein-described pulley attachment for electric lamps, the same consisting of the pulley-cover having the socket-groove formed at its upper part, the cap-plate having the socket-groove, and a shutting-over flange on one of said parts to cover the seam at the socket-groove, substantially as described, and for the purpose specified.

THOMAS H. BRADY.

Witnesses:

JAMES SHEPARD,

JOHN EDWARDS, Jr.