

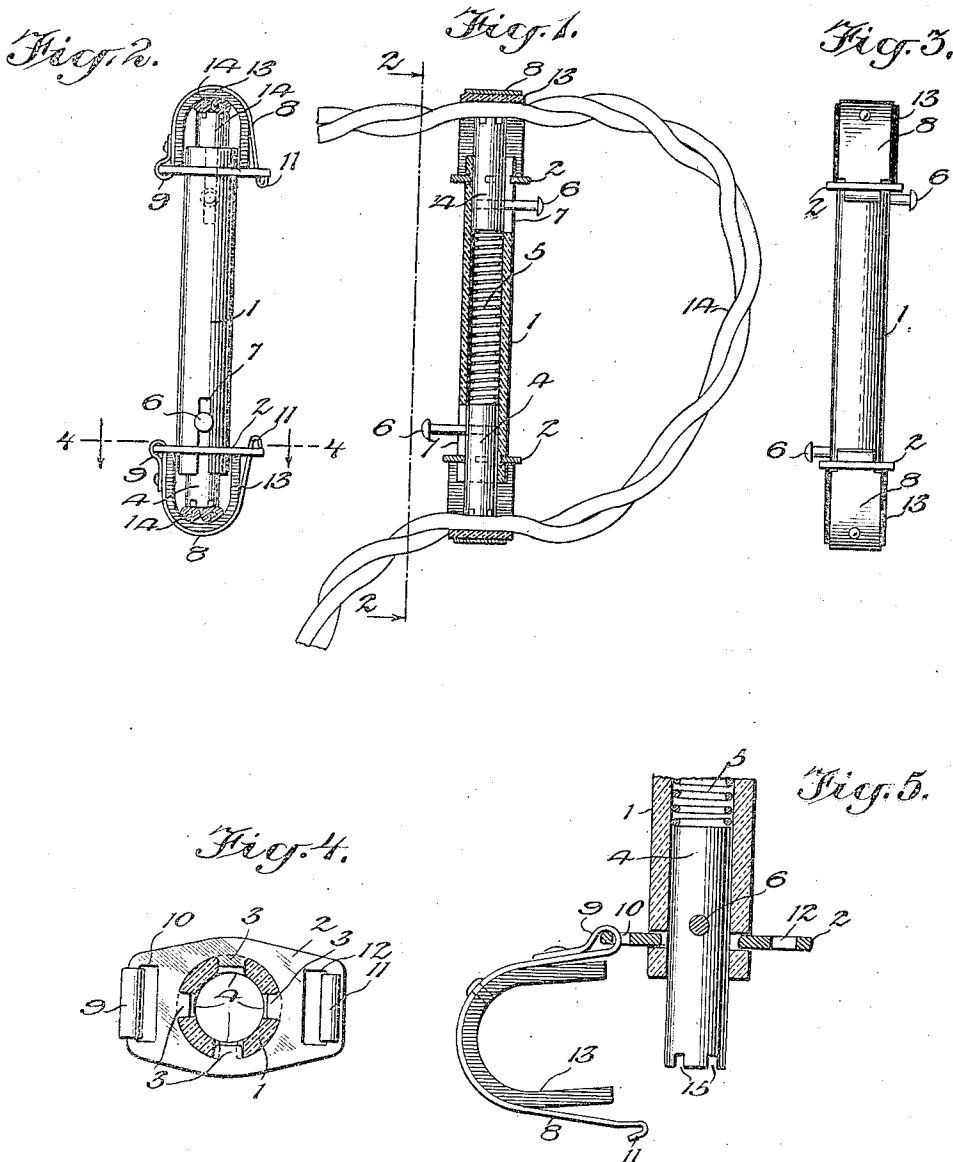
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CORD ADJUSTER

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UNITED STATES PATENT OFFICE.

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CORD ADJUSTER.

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To all whom it may concern:

Be it known that I, NELSON L. PRUDEN, a citizen of the United States, and a resident of Florham Park, in the county of Morris and State of New Jersey, have invented a new and Improved Cord Adjuster, of which the following is a full, clear, and exact description.

This invention relates to improvements in cord adjusters and more particularly to adjusters for electric cords of lamps and other electric fixtures, an object of the invention being to provide an improved adjuster which may be connected to a cord at any point or points, and which will permit the cord any desired adjustment to take up slack, or for any other reason.

A further object is to provide an improved adjuster which can be manufactured and sold at a reasonably low price and which will most efficiently perform the functions for which it is intended.

With these and other objects in view, the invention consists in certain novel features of construction and combinations, and arrangement of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings—

Figure 1 is a view in longitudinal section of my improved cord adjuster, showing the same in operative position on a cord.

Figure 2 is a view in section on the line 2—2, of Figure 1.

Figure 3 is a view in side elevation of my improved device, the view being taken at right angles to Figure 2.

Figure 4 is an enlarged view in transverse section on the line 4—4, of Figure 2.

Figure 5 is an enlarged fragmentary view in longitudinal section of one end of the adjuster with the loop open.

1 represents a cylindrical shell or barrel, which is preferably of fiber, or any other insulating material. On this shell 1 adjacent its respective ends, metal plates 2 are located, and these plates 2 are provided with lugs 3 which project in the openings 4 in the wall of the shell 1 to hold the plates against movement.

Plungers 4 are mounted in the respective ends of shell 1 and a coiled spring 5 is located in the shell and exerts pressure on the plungers 4 pressing said plungers outwardly.

Pins 6 are secured in the plungers 4 and are

movable in slots 7 in the shell 1 to limit the movement of the plungers, and furthermore, said pins operate as finger holds to permit manipulation of the plungers.

At the ends of the device and connected to the plates 2, are metal spring loops 8. These loops are bent upon themselves at one end as shown at 9, and projected through slots 10 in plates 2 thus forming a hinge connection for the loop. The other end of each loop is formed with a lip 11 which is movable through a slot 12 in plate 2 and serves as a catch when projected through said slot to hold the loop against hinged movement. Each loop 8 is provided with a U-shaped fiber lining 13, and the electric cord 14 is positioned through the loop and clamped by the plunger 4.

Figure 5 illustrates the loop in open position, and this view shows how the loop can be swung open or backwardly to permit the engagement with the cord 14, the plunger 4 being withdrawn to facilitate the opening and closing movement of the loop. The free end of each plunger, is preferably roughened or serrated, as shown at 15 in such a way as to insure a frictional grip upon the cord 14 without injury to the insulation of the cord. A fault of most cord adjusters is the injury to insulation or looseness of grip after a short period of use.

By withdrawing the plunger 4, the cord can be adjusted as desired in the loop, and when the plunger is released, it will hold the cord at the point of adjustment.

While I have referred to fiber as the preferable material for the shell 1, and the lining 4, it is obvious that any other material, preferably insulating material, may be utilized for the purpose, and I do not wish to be limited in any respect.

Various slight changes might be made in the general form and arrangement of parts described, without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. A device of the character stated, comprising a shell, spring pressed plungers in the ends of the shell, and loops hingedly connected to the shell and extending across the free ends of the plungers.

2. A device of the character stated, comprising a shell, plungers in the ends of the shell, a coil spring in the shell between the plungers, devices connected to the plungers
5 for manual manipulation to withdraw the plungers, and loops hingedly connected to the shell and normally positioned across the plungers.
3. A device of the character stated, comprising a shell, plungers in the ends of the shell, a coil spring in the shell between the plungers, devices connected to the plungers
10 for manual manipulation to withdraw the plungers, loops hingedly connected to the shell and normally positioned across the plungers, and catches on the loops adapted
15 to removably secure the loops in operative position.
4. A device of the character stated, comprising a shell, spring pressed plungers in the ends of the shell, plates secured to the shell adjacent its ends, loops pivotally connected to the plates, catches on the free ends
20 of the loops adapted to engage the plates and hold the loops across the ends of the plungers, and linings of insulating material in the loops.
5. A device of the character stated, comprising a shell, spring pressed plungers in the ends of the shell, plates secured to the shell adjacent its ends, loops pivotally connected to the plates, catches on the free
30 ends of the loops adapted to engage the plates and hold the loops across the ends of the plungers, linings of insulating material in the loops, said shell having longitudinal slots therein, and pins fixed to the plungers
35 and movable in said slots.
6. A device of the character described, comprising a shell, spring pressed plungers mounted in the shell and projecting from the ends of the same, and loops on the shell
40 and extending across the ends thereof.
7. A device of the character described, comprising a shell, spring pressed plungers in the shell and projecting from the ends of the same, and loops movably mounted on the shell and extending across the ends of the
45 shell.

NELSON L. PRUDEN.