

March 4, 1952

F. J. DEVER

2,587,707

ELECTRIC CORD SLACK STORAGE DEVICE

Filed March 10, 1950

FIG 1

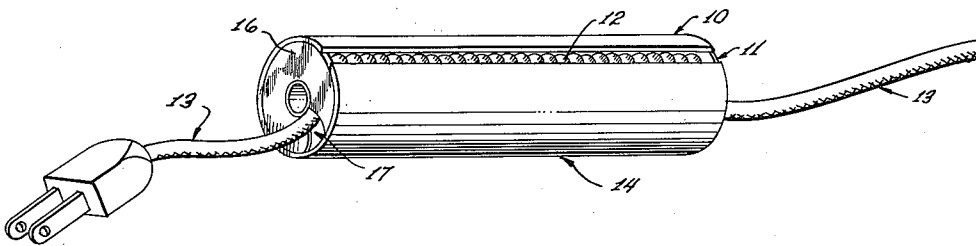


FIG 2

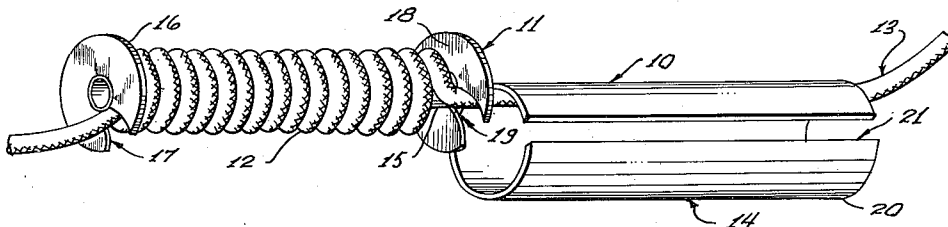


FIG 3

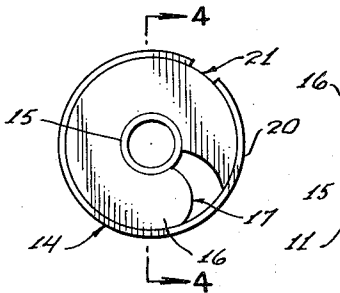


FIG 4

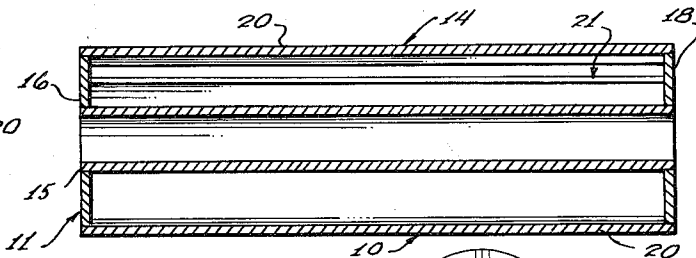
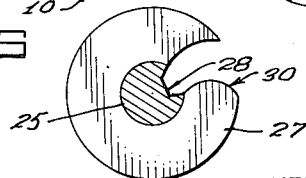
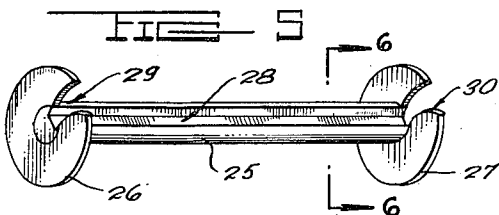


FIG 5



INVENTOR.
FRANKLIN J. DEVER
BY

McMorrow, Berman + Davidson
ATTORNEYS

UNITED STATES PATENT OFFICE

2,587,707

ELECTRIC CORD SLACK STORAGE DEVICE

Franklin J. Dever, Columbus, Ohio

Application March 10, 1950, Serial No. 148,791

3 Claims. (Cl. 242-96)

1

This invention relates to a storage device for concealing and storing the slack of an electric plug-in cord.

The object of this invention is to provide a storage device for concealing and storing the slack of an electric plug-in cord, which, when applied to said cord, presents a neat and ornamental appearance.

A further object of this invention is to provide a storage device for concealing and storing the slack of an electric plug-in cord which may be utilized to take up the slack in said cord at any point intermediate its ends.

A further object of this invention is to provide a storage device for concealing and storing the slack of an electric plug-in cord which is simple in structure and cheap to manufacture.

Other objects of this invention will become apparent upon consulting the drawings in conjunction with the following specification.

In the drawings:

Figure 1 is a perspective view of the storage device of the present invention as assembled and applied to an electric plug-in cord;

Figure 2 is a perspective view of the device shown in Figure 1 when partially disassembled;

Figure 3 is an end elevational view of the storage device of the present invention viewed from the left of Figure 1;

Figure 4 is a sectional view taken along the line 4-4 of Figure 3;

Figure 5 is a perspective view of a modified form of the storage spool of the storage device of the present invention;

Figure 6 is a sectional view taken along the line 6-6 of Figure 5.

Referring now more particularly to the drawings, wherein like reference numerals have been used throughout the several views to designate like parts, there is shown the storage device of the present invention, generally designated by the numeral 10, which includes a storage spool 11 for the reception of the slack 12 of an electric cord 13 and a shell 14 adapted to be supported on the spool 11 in surrounding relation with respect to the slack 12 of the cord 13.

The storage spool 11 comprises an elongated, hollow, cylindrical core 15 which supports the slack 12 of the electric plug-in cord 13 in a plurality of turns disposed in side-by-side, abutting relation, as clearly indicated in Figure 2 of the drawings. Positioned adjacent one end of the core 15 and secured thereto is a first rim 16, said rim being provided with an arcuate slot 17 extending inwardly from the periphery thereof and terminating at a point adjacent the core 15. Se-

2

cured adjacent the other end of the core 15 in spaced, opposed relation with respect to the first rim 16 is a second rim 18 which is similarly provided with an arcuate slot 19 extending inwardly from the periphery thereof. As clearly shown in Figure 2, the cord 13 may be inserted through the slot 19 of the second rim 18, the slack 12 wound about the core 15 in a plurality of side-by-side turns, and the cord 13 withdrawn through the slot 17 in the first rim 16.

The shell 14 consists of an elongated, hollow, open-ended, cylindrical body 20, the internal diameter of which is slightly larger than the external diameter of the opposed rims 16, 18 of the storage spool 11. The body 20 of the shell is provided with a longitudinally extending slot 21 through which the electric plug-in cord 13 may be inserted and withdrawn. Accordingly, after the slack 12 of the electric cord 13 has been wound upon the spool 11, the shell 14 is brought into alignment with the spool 11, whereupon the shell 14 can be brought into surrounding and embracing relation with respect to the spool 11 and the stored slack 12 of the electric cord 13.

If desired, a storage spool of the type shown in Figures 5 and 6 may be employed in place of the spool 11, as previously described. The modified form of the spool 11 of the device of the present invention is particularly adapted to receive the slack 12 of the electric cord 13 in a double-layer winding, and includes a core 25 and a pair of opposed rims 26, 27 secured to the ends of the core 25. In the modification, the core 25 is fabricated of a solid cylindrical stock and is provided with a longitudinally extending channelway 28 for the reception of a part of the slack 12 of the electric cord 13. The rims 26, 27 are each provided with inwardly extending, arcuate slots 29, 30, each of the slots 29, 30 having its inner end in communication with the channelway 28. Accordingly, a part of the slack 12 of the cord 13 may be disposed within the channelway 28, and the remainder of the slack 12 may be wound about the core 25 of the modified spool from one rim to the other and then back upon itself from the last-named rim to the first-named rim. It is to be noted that the storage spool 11 shown in Figures 1 to 4, inclusive, can also accommodate a double-layer winding, but the resulting configuration of the slack 12 would not be substantially cylindrical, whereby the shell 14 might be impeded when it is being brought into surrounding and embracing relation with the spool 11.

It is apparent to one skilled in the art that the shell 14 may be fabricated without the lon-

3

gitudinally extending slot 21. In this modification, it is merely necessary to insert the cord 13 through one of the open ends of the shell 14 and withdraw it through the other open end, whereupon the shell 14 may be brought into embracing relation with the spool 11.

Numerous other modifications of the invention may be made without departing from the spirit of the invention as set forth in the appended claims.

What I claim is:

1. In a device for storing the slack of an electric plug-in cord, a storage spool including a core for the winding thereon of the slack of said cord and a rim positioned adjacent each of the ends of said core and secured thereto, said rims each being provided with a slot extending inwardly from the periphery thereof and terminating adjacent said core for the reception therethrough of the adjacent portions of the slack of said cord, and a cylindrical shell releasably circumposed about the slack of said cord wound upon said core and engageable about the periphery of each of the rims, said shell having a longitudinally extending slot formed therein and extending through its opposing ends through which the cord can be withdrawn and the spool rotated within the shell.

2. In a device for storing the slack of an electric plug-in cord, a storage spool including a core for the winding thereon of the slack of said cord and a rim positioned adjacent each of the ends of said core and secured thereto, said rims each being provided with a slot extending inwardly from the periphery thereof and terminating adjacent said core for the reception

4

therethrough of the adjacent portions of the slack of said cord, and a shell adapted to be circumposed about the slack of said cord wound upon said core and movable into and out of embracing relation with respect to said spool, said shell being provided with a longitudinally extending slot for the insertion and withdrawal therethrough of said plug-in cord.

3. In a device for storing the slack of an electric plug-in cord, a spool including a solid core for the winding thereon of a double layer of the slack of said cord and a rim positioned adjacent each of the ends of said solid core and secured thereto, said core being provided with a longitudinally extending channelway for the reception of a portion of the slack of said cord, there being a slot provided in each of said rims extending inwardly from the periphery thereof and terminating in communication with said channelway, and a shell adapted to be circumposed about the slack of said cord wound upon said core and movable into and out of embracing relation with respect to said spool, said shell having a longitudinally extending slot formed therein and extending through its opposing ends for the passage therethrough of the cord as the cord is rotated within the shell.

FRANKLIN J. DEVER.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
2,118,731	Knott	May 24, 1938