Aug. 3, 1926. 1,594,871

J. E. BADGER ET AL

AUTO ROBE CABLE

Filed Sept. 20, 1923

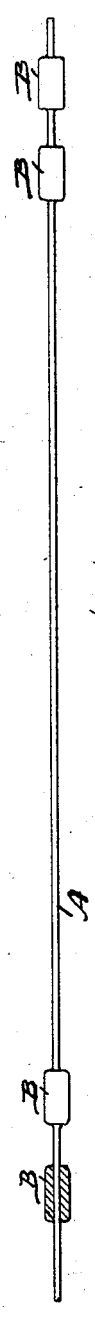


Fig. 1.

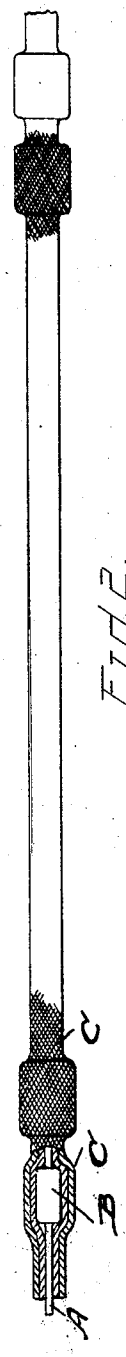


Fig. 2.

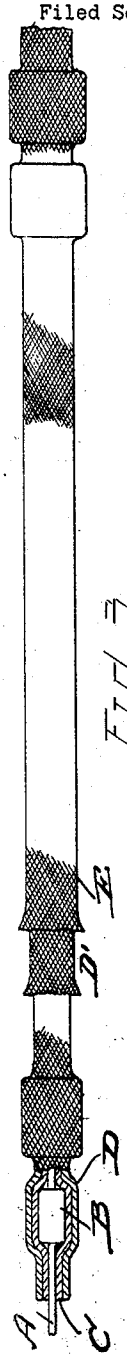


Fig. 3.

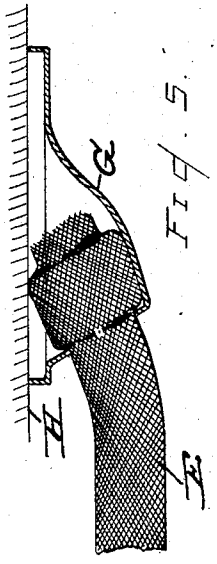


Fig. 5.

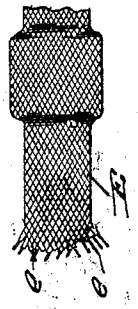


Fig. 4.

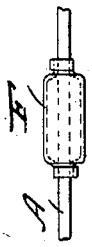


Fig. 6.

Inventors

Joseph E. Badger

Mary K. Golden

Victor K. Golden

By

F. E. Thomas

Attorney

Patented Aug. 3, 1926. 1,594,871

UNITED STATES PATENT OFFICE.

JOSEPH E. BADGER, MAX K. GOLDEN, AND VICTOR K. GOLDEN, OF DETROIT, MICHIGAN, ASSIGNORS TO TEXTILE PRODUCTS COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

AUTO ROBE CABLE.

Application filed September 20, 1923. Serial No. 663,782.

Our invention relates to an improvement in auto robe cables and method of manufacturing the same, shown in the accompanying drawings and more particularly described in the following specification and claims.

The primary object of our invention is to produce a neat, well finished and attractive looking flexible robe cable for automobiles and to reduce the cost of manufacturing same over those now in use. In carrying this invention into effect a flexible wire cable is employed which is fitted at predetermined intervals throughout its length with a plurality of enlarged-lug portions arbitrarily spaced from each other. The cable is covered with tubular fabric linings braided over the cable and its enlarged lug portions;—its diameter being increased as may be required by a plurality of coverings applied one over the other. An outer covering known in the textile art as chenille, the fibers of which have a flexible metallic core, is then applied over the several "linings" as a finishing cover;—a "chenille" matching or harmonizing in color with the upholstery of the automobile being preferably employed.

Another object of our invention is to construct the auto robe cable "continuous", to be afterwards divided into proper lengths for use upon automobiles of the closed-body type.

With the foregoing and other objects in view which will appear as the description proceeds the invention further resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed it being understood that changes may be made in the precise embodiment of the invention herein disclosed without departing from the spirit of the same.

In the drawings accompanying this specification:

Figure 1 is an elevation with parts in section showing a wire cable upon which has been secured enlarged lug portions formed of lead or the like and arbitrarily spaced at predetermined distances from each other.

Figure 2 is an elevation of the device with parts in section showing the wire cable and its enlarged portions enclosed by two overlapping inter-braided coverings or linings.

Figure 3 is a similar elevation with parts in section, showing a portion of the enclosing covering broken away to disclose a plural number of linings covering the cable and its enlarged portions thereby enlarging the cable to a proper diameter.

Figure 4 is a fragmentary view of the robe-cable with an outer chenille wrapping;—the fibers of which have a wire core.

Figure 5 is a sectional view of a bracket adapted to receive and engage the enlarged end of the auto robe-cable.

Figure 6 is a detail view of a modification showing a sheet metal sleeve or thimble secured to a fragment of a wire cable, in place of the solid metallic lug shown in the other views to enlarge the cable at spaced intervals.

Referring now to the letters of reference placed upon the drawings:

A, represents a wire cable. B, B, denotes a plurality of lead or soft metallic lugs mounted upon and engaging the wire at spaced intervals from each other.

C, designates a braided fabric covering the wire and enlarged portions. This fabric covering can be the product of a loom, a braiding machine or a winding machine or it can be made in any suitable manner. D and D^1, represent similar coverings respectively woven over the first and second coverings thereby enlarging the diameter of the robe-cable.

E, denotes a tubular chenille covering applied over the inner coverings or linings D and D^1, the strands of which have a metallic core *e*. This covering may be made in any suitable manner.

F, designates a sheet metal sleeve or thimble to be secured to the cable in place of the lead lug or sleeve.

G, indicates a bracket formed of sheet metal adapted to be secured to the back of an auto seat H, having an end opening to receive the cable;—the enlarged portions of which are held within, and by the wallls of the brackets.

In the manufacture of this device a wire cable is conducted from a spool to means adapted for applying a suitable volume of

lead or other soft metal to the cable at arbitrarily spaced intervals. The cable when properly fitted with the lugs or enlarged portions is then covered with a plurality of suitable textile coverings applied one over the other. These lining coverings are then enclosed by a more finished fabric such as chenille of a color complementary or matching that of the upholstery of the automobile in which it is installed. When the cable is of suitable diameter and covered with the finished fabric it is cut into proper lengths between the enlarged lug portions thereby providing an enlargement at each end of each length of robe-cable. These lengths are then ready to be fitted with brackets for attachment to an automobile, as indicated.

Having thus described our invention what we claim is:

1. As an article of manufacture, a wire core, a plurality of pairs of spaced lugs attached to said wire core, each pair of lugs being spaced a distance greater than the space between the lugs of each pair, a plurality of layers of fabric braided one tightly upon the wire and lugs and the other outer layer braided upon the inner layer, and a finished covering the fibers of which have a metallic core applied upon the outer layer of fabric.

2. As an article of manufacture, a wire core, a plurality of pairs of soft metallic spaced lugs attached to said wire core to form enlargements, each pair of lugs being spaced a distance greater than the space between the lugs of each pair, a plurality of layers of fabric braided in tubular form one tightly upon the wire and lugs and the other outer layer wound tightly upon the inner layer, and a finished covering applied tightly upon the outer layer of fabric.

In testimony whereof, we sign this specification.

JOSEPH E. BADGER.
MAX K. GOLDEN.
VICTOR K. GOLDEN.

Certificate of Correction.

It is hereby certified that Letters Patent No. 1,594,871, granted August 3, 1926, upon the application of Joseph E. Badger, Max K. Golden, and Victor K. Golden, of Detroit, Michigan, were erroneously issued to "Textile Products Company, of Detroit, Michigan, a Corporation of Michigan," whereas said Letters Patent should have been issued to *David Schuff, of Detroit, Michigan*, said Schuff being assignee, *by mesne assignments*, of the entire interest in said invention, as shown by the records of assignment in this Office; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 23d day of November, A. D. 1926.

[SEAL.]

M. J. MOORE,
Acting Commissioner of Patents.