A. H. MARDEN.

SIGNAL BELL CORD HANGER FOR CARS.

APPLICATION FILED NOV. 27, 1909.

971,291.

Patented Sept. 27, 1910.

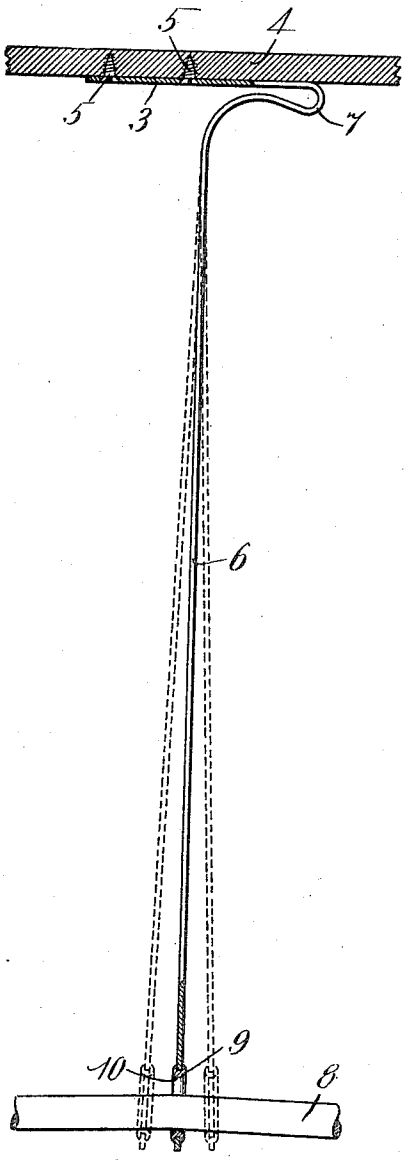

Fig. 1.

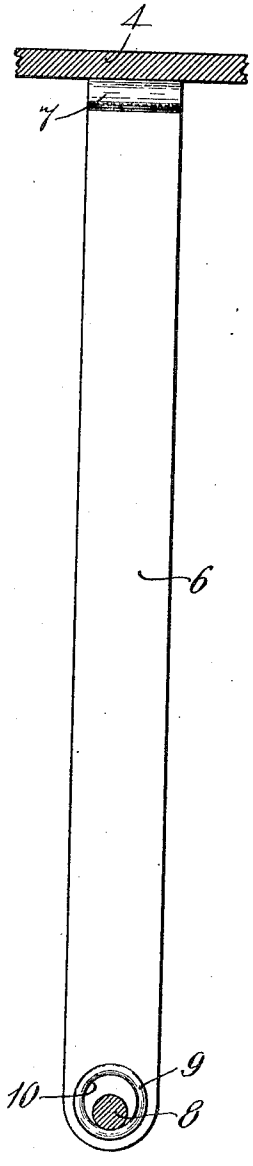

Fig. 2.

Witnesses.
Franklin E. Low.
Sydney E. Taft.

Inventor.
Alden H. Marden
by his attorney
Charles S. Gooding.

UNITED STATES PATENT OFFICE.

ALDIS H. MARDEN, OF WEST SOMERVILLE, MASSACHUSETTS.

SIGNAL-BELL-CORD HANGER FOR CARS.

971,291. Specification of Letters Patent. Patented Sept. 27, 1910.

Application filed November 27, 1909. Serial No. 530,180.

To all whom it may concern:

Be it known that I, ALDIS H. MARDEN, a citizen of the United States, residing at West Somerville, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Signal-Bell-Cord Hangers for Cars, of which the following is a specification.

This invention relates to improvements in signal bell-cord hangers for cars, and the object is to provide a device of this class which shall be neat in appearance, durable in construction and which shall be simple and comparatively inexpensive to manufacture.

The object is further to provide a bell-cord hanger which shall be resilient so as to yield to a certain extent longitudinally of the bell-cord and which by reason of its construction shall prevent the swinging movements from loosening the screws which secure the same to the ceiling of the car.

The invention consists in the combination and arrangement of parts set forth in the following specification and particularly pointed out in the claims.

Referring to the drawing: Figure 1 is a side elevation of a bell-cord hanger embodying my invention showing in section the portion of the ceiling to which the hanger is secured and showing a portion of the bell-cord which is supported by the hanger. Fig. 2 is an elevation viewed from the right of Fig. 1.

Like numerals refer to like parts in both views of the drawing.

In the drawing, 3 is the base of the hanger which is secured to the ceiling 4 of the car by screws 5. From this base is hung a support 6 located between the ends of the base and connected thereto by an offset 7 preferably made in the form of a reverse curve, as shown. The support 6 has suitable provision to receive a bell-cord 8 and preferably said support is provided with a hole in which an eyelet or ring 9 is inserted and spun or pressed over at both ends thereof so as to form a hole 10 rounded on both sides so as not to chafe the bell-cord. The support 6 and offset 7 are resilient, so that when the hanger is in use said support is capable of yielding to a certain extent longitudinally of the bell-cord and the offset 7 constitutes, in effect, a reverse bend spring which adds to the resiliency of the device as a whole, yielding either to a downward pull upon the bell-cord and upon the supporting arm 6 or to a longitudinal pull upon the bell-cord, so that by the combined action of the spring arm or support 6 and the U-shaped resilient offset or reverse bend 7, practically all strain or tendency to cause the screws 5 to become loosened is eliminated.

Having thus described my invention, what I claim and desire by Letters Patent to secure is:

1. The combination with a bell-cord of a hanger having a support by which said bell-cord is suspended, and a base adapted to be secured to the ceiling of a car and connected to said support by a yielding offset extending longitudinally of said cord.

2. A signal bell-cord hanger for cars consisting of a base having a laterally yieldable resilient portion and a laterally yieldable resilient support depending therefrom and having provision to receive a bell-cord.

3. A signal bell-cord hanger for cars consisting of a base, a reverse curved resilient offset connected thereto, and a laterally yieldable resilient support depending from said offset and having provision to receive a cord.

4. A signal bell-cord hanger for cars consisting of a base, an arm extending downwardly therefrom and connected thereto by a reverse curved spring portion, said base having provision to secure the same to the ceiling of a car and said arm having provision to receive said cord.

5. A signal bell-cord hanger for cars formed of a piece of flat spring metal bent to form a base, an arm extending substantially at right angles to said base and connected thereto by a reverse curved offset, said base having provision to secure the same to the ceiling of a car and said support having provision to receive a cord.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ALDIS H. MARDEN.

Witnesses:
LOUIS A. JONES,
ANNIE J. DAILEY.