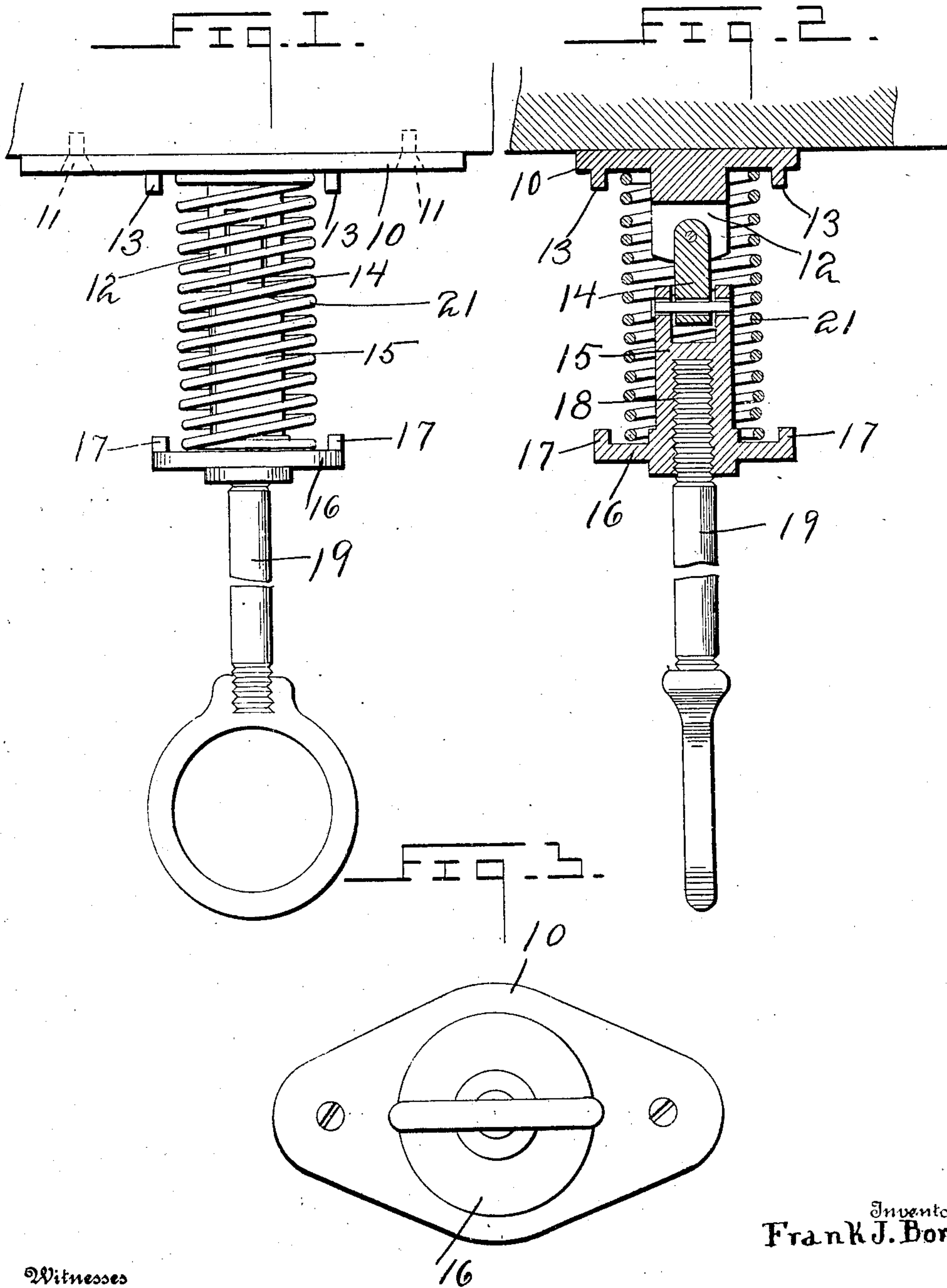


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SIGNAL CORD HANGER.  
APPLICATION FILED OCT. 2, 1908.

930,139

Patented Aug. 3, 1909.



Witnesses  
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# UNITED STATES PATENT OFFICE.

FRANK J. BORER, OF WESTFIELD, NEW JERSEY

## SIGNAL-CORD HANGER.

No. 930,139.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed October 2, 1908. Serial No. 455,814.

*To all whom it may concern:*

Be it known that I, FRANK J. BORER, a citizen of the United States, residing at Westfield, in the county of Union and State

of New Jersey, have invented certain new and useful Improvements in Signal-Cord Hangers, of which the following is a specification.

This invention relates to railway equipment, and more particularly to hangers for signal cords, and has for an object to provide such a device which will yield readily to lateral strain incident to use, but which will be held yieldably in vertical position.

A particular object of the invention is to provide a flexible hanger which will not have the objections of the usual pivoted hanger, of swinging or rattling because of the vibration of a car.

Another object is to provide such a hanger which may be utilized in baggage cars, and which will not be liable to breakage if struck by packages or other objects handled during lading and unlading, or otherwise.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side view of the device, Fig. 2 is a vertical sectional view of the device, Fig. 3 is a bottom view of the device.

Referring to the drawings, there is shown a hanger comprising a base plate 10 having suitable perforations 11 therein for the reception of securing means to fasten the plate to a ceiling or other support. Centrally of the plate there is an angular flange 13 concentrically of which there is a bifurcated lug 12 with a pendent link member 14 pivoted therein as shown. From the lower end of the link there is suspended pivotally a socket member 15 having an interiorly threaded socket at its lower end and provided with a peripheral flange 16 adjacent its lower end, at the outer edge of which there is an annular upward extension 17 for a purpose to be indicated. Engaged in the threaded socket 18, there is a rod 19 which

may be of either wood, metal tubing or other suitable material, upon the lower end of which there is engaged a cord-receiving ring 20 as shown.

Engaged around the lug 12 and seated within the flange 13 there is a helical spring 21 compressed and disposed within the annular projection 17 and against the flange 16, as shown to hold the rod 19 yieldably against oscillation.

It will be seen that the hanger will yield to contact with objects being moved within a car, and will also yield somewhat to the frictional engagement with a signal cord, but the gradual increase of the resistance of the spring 21 as the rod 19 is deflected will prevent the cord from becoming bound within the ring.

What is claimed is:—

1. A bell cord hanger having a universal joint and a circumferential resilient member engaged therearound to yieldably resist lateral movement of the hanger.

2. A bell cord hanger comprising a base portion and a hanger portion, universal joints therebetween, and circumferential resilient means engaged between the base and the hanger portion to yieldably resist lateral oscillation of the hanger.

3. A connection of the class described comprising a base portion having a central projection, a member universally pivoted thereto, said member having a laterally projecting portion and resilient means engaged between the base and the laterally projecting portion to yieldably resist lateral oscillation of the pivoted member.

4. An article of the class described comprising a base member having a projecting portion, an annular retaining portion therearound, a member universally pivoted to the projecting portion, said member having a lateral flange provided with an annular retaining portion, and resilient means engaged between the base and the flange of the pivoted member under compression to yieldably resist lateral oscillation of said member.

In testimony whereof I affix my signature, in presence of two witnesses.

FRANK J. BORER.

Witnesses:

HAROLD THOMPSON,  
PETER WIDIN.