A. MARTIN.

HANGER SUPPORT.

APPLICATION FILED AUG. 21, 1911.

1,037,277. Patented Sept. 3, 1912.

FIG. 1.

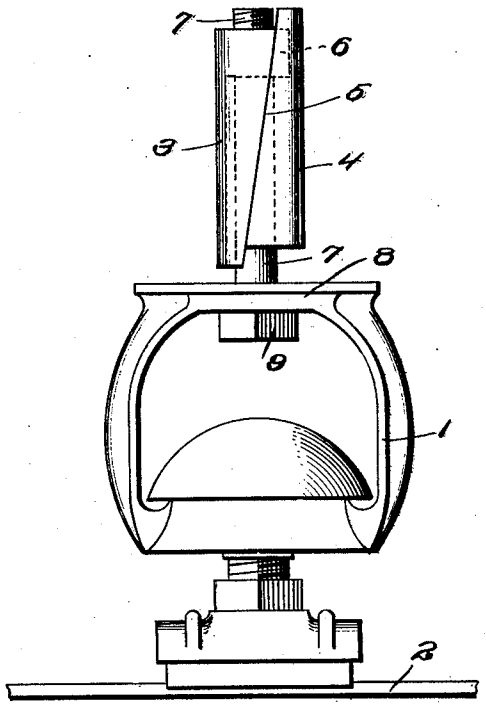


FIG. 2.

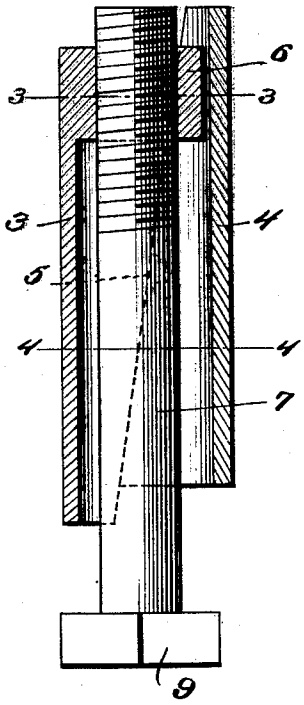


FIG. 3.

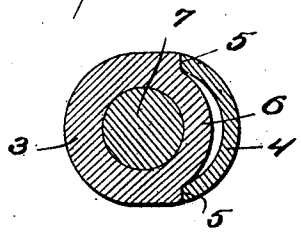
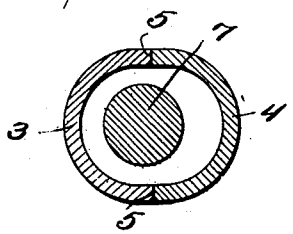


FIG. 4.



Inventor

Andrew Martin.

Witnesses

A. Straus

C. R. Ziegler.

By Joshua R. H. Potts.

Attorney

UNITED STATES PATENT OFFICE.

ANDREW MARTIN, OF MOOSIC, PENNSYLVANIA.

HANGER-SUPPORT.

1,037,277. Specification of Letters Patent. Patented Sept. 3, 1912.

Application filed August 21, 1911. Serial No. 645,160.

To all whom it may concern:

Be it known that I, ANDREW MARTIN, a citizen of the United States, residing at Moosic, county of Lackawanna, and State of Pennsylvania, have invented certain new and useful Improvements in Hanger-Supports, of which the following is a specification.

My invention relates to improvements in hanger supports, the object of the invention being to provide a support which may be readily removed and used over and over again, and which facilitates the placing in position of the hanger and its removal whenever desired.

A further object is to provide an improved device of this character which may be manufactured and sold at a reasonably low cost, and which will most effectually hold the hanger when in use.

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

In the accompanying drawings: Figure 1, is a view in elevation illustrating my improvements. Fig. 2, is a view in longitudinal section on an enlarged scale showing the support and the bolt therein. Fig. 3, is a view in section on the line 3—3 of Fig. 2, and Fig. 4, is a view in section on the line 4—4 of Fig. 2.

1, represents a hanger such as in common use for supporting an electric conductor 2, and I would have it understood that my improvements are especially adapted for use in mines, and other tunnel structures, in which it is necessary to provide means for holding the hanger in the ceiling or roof of the tunnel. These tunnels have ordinarily ceilings or roofs of stone or other similar mineral which it is necessary to bore or drill out to form a recess, and in such recess my improved hanger support is mounted. This hanger support comprises two members 3 and 4, which are curved in cross section and have beveled or inclined contacting edges 5, so that when they are moved longitudinally in opposite directions, the support will be expanded transversely, and when moved in the opposite direction will be contracted transversely. In the end of member 3, which constitutes the upper end of said member, a screw-threaded enlargement 6 is provided for the reception of a bolt 7. This bolt 7 is projected through the upper cross piece 8 of hanger 1, is provided with a head 9 below said cross piece, and at the upper end is screwed through the extension 6. After a recess or hole is bored or drilled into the ceiling, the members 3 and 4 are placed into this opening, and member 4 is driven upwardly so as to tightly bind the members in the opening or recess. Bolt 7, which has been previously inserted through the cross piece 8 of the hanger, is then screwed into the extension 3 until the hanger is properly positioned. If it is desired to remove the hanger, and its support, it is simply necessary to unscrew the bolt and then with a hammer drive member 3 upwardly, so as to reduce its dimension transversely, when it can be readily removed from the recess in the ceiling and be used again.

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 claim.

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

A hanger support comprising two members, both having inclined contacting faces throughout their length, and both members curved transversely, an enlargement on the inner larger end of one member projecting into the curved smaller end of the other member, and said enlargement having a screw-threaded bolt receiving opening therein, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ANDREW MARTIN.

Witnesses:

WILLIAM MARTIN,

JAMES BAXTER.