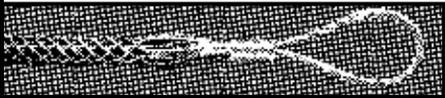


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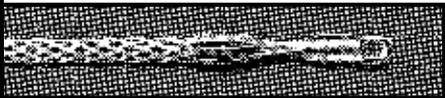
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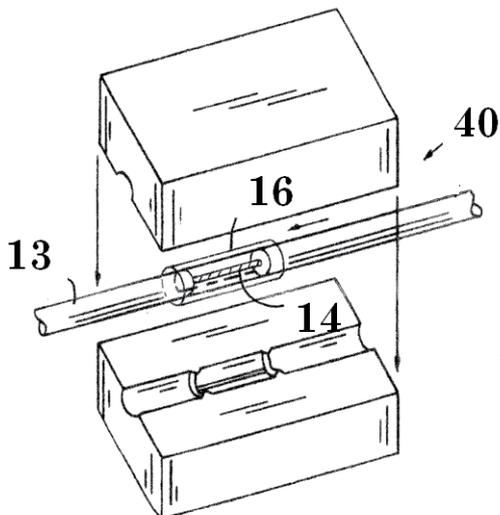
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needed to displace the disc 80. Once a disc 80 becomes displaced the cable can then self destruct causing damage not only to itself but the drive mechanism as well.

A portion of the coating 12 under the barrel 16 is left on so that even though the coating is cut into many little sections, the barrel 16 helps retain the coating 12 in place and also seals out foreign material as well as keeping the needed lubrication inside. For example, barrels 16 are 1/2" long, so only 3/8" of coating 12 is removed, leaving 1/16" of coating 12 inside of each end of the barrel 16.

The apparatus of the present invention makes it possible

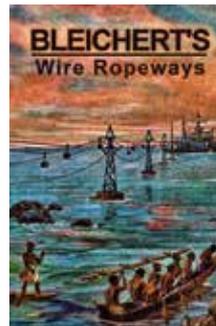


Pat. 9,828,703

Figure 25: Perspective view showing the swaging die.

to use the method in a cost effective, efficient and precise manner. By removing the coating 12, applying the barrel 16 and then molding the disc 80 over the barrel 16 the exact placement of each of these members is accomplished, which is critical to the proper function of the cable conveying system. Also removing the coating 12 while not damaging the wire rope 14 that lays underneath is of utmost importance to retain the integrity of the flexible member. The apparatus and method of the present invention allows a coated cable 13 solution that has a much higher maximum disc adhesion which allows a more reliable and totally sealed assembly. The speed and accuracy of the apparatus contributes to the feasibility of the method and allows a cost competitive, superior product. ■

In 1924, Germany's 'Adolf Bleichert & Co.' celebrated its 50th Anniversary. By the time of this occasion, the company had designed and built the world's record holding wire ropeways: Longest and highest elevation (Argentina); Length of system over water (New Caledonia); Steepest (Tanzania); Highest capacity (France); Northernmost (Norway); and, Southernmost (Chile).



Written by the great-great grandson of the company's founder, this book includes over 100 pictures and detailed engineering drawings that explore the legendary company's history, and several of its record-holding systems.

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