Aug. 20, 1940. V. RENDLE 2,212,169

FLEXIBLE TUBE

Filed Sept. 22, 1938

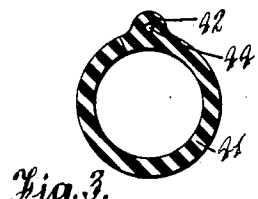


Fig. 3.

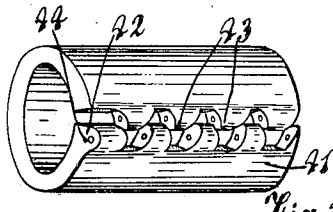


Fig. 2

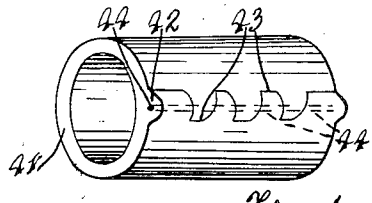


Fig. 1.

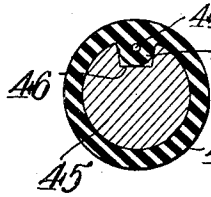


Fig. 4

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2,212,169

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2,212,169

FLEXIBLE TUBE

Valdemar Rendle, London, England, assignor to Hatim Attari, London, England

Application September 22, 1938, Serial No. 231,276
In Great Britain October 1, 1937

2 Claims. (Cl. 138—49)

This invention relates to improved means for padding, covering or insulating rods or the like members and more particularly to such means adaptable for installation in a novel manner.

It has been heretofore known to provide padding, covering, supporting, spacing or insulating sheathing for bars or rod-like members such as the handles of tools, pipes and electrical conduits. In applying such sheathing it has heretofore been the practice to mold the sheathing material to conform to the cross-section of the rod or the like to be received therein and thereafter to apply the sheathing axially of the rod or in the case of steam or water pipes it is usual to apply a lagging thereto by wrapping the material around the pipe, the sheathing being applied in the form of tape.

In the case of hand rails and stanchions it may be necessary to disassemble the construction in order to make an axial application of a covering material or as an alternative, the covering material may be in the form of a tape. It has heretofore been found that the prefabricated molded material is generally superior to like material in tape form and the difficulty in the use of the latter has been only the difficulty of its application to the material on which it is to be used.

It is an object of this invention to provide improved coverings for tubular members and the like by the provision of a longitudinally slit cover which may be placed in position radially of the member to be covered as distinguished from the axial application methods heretofore known.

A sheathing member according to the present invention may be in the form of a T, X, or other multiple limbed shape according to the configuration of a member or group of members to which it is intended to be applied, the engaging margins in such cases extending uninterruptedly throughout the length of one of the limbs. It will be apparent that the internal or external cross-section of a device according to the present invention may vary locally or as a whole to conform to the contours of the material to be covered.

A device according to the invention may be in the form of a resilient tube of any desired cross-section the wall of which is severed or slit end to end in such a manner, that each of the margins at the sides of the slit presents a series of spaced projections which when the device is in position are interdigitated with those of the other, with apertures formed longitudinally of the tube as a whole in all the projections presented coaxially of one another to take a wire or rod threaded therethrough to effect the necessary engagement of said margins to retain the device in position. Preferably, the thickness of the wall of the device is increased in the neighbourhood of the margins of the slit.

Other objects and advantages of this invention will be apparent from a consideration of the following detailed description of preferred embodiments thereof in conjunction with the annexed drawing wherein:

Figure 1 is a perspective view of a form of this invention illustrating the cover in closed position;

Figure 2 is a perspective view of the cover in open position;

Figure 3 is a view in cross-section illustrating the radially projecting rib extending from the cover; and

Figure 4 is a view in cross-section of a modified form of cover having an interior radial rib.

In some instances it may be desirable to provide the cover **41** with means for preventing it from rotating about a member **45** to which it is applied. If this be the case, the construction shown in Figure 4 may be employed. This construction includes a local radial thickening **42***a* of the covering **41** similar in form to the thickening **42** disclosed in Figures 1 to 3, inclusive, except that the thickened portion depends radially inwardly of the cover and may coact with groove **46** provided in member **45**. The projections **42***a* are provided with a bore **44***a* corresponding in location and function to the bore **44** disclosed in Figures 1 to 3, inclusive.

Having thus described the invention, what is claimed as new is:

1. A cover for rods, bars and the like comprising, a flexible tube, members adapted for interdigitation defining a longitudinally extending slit therein, said members also defining a radially projecting rib, and a flexible member adapted to be passed through said members to lock the same in interdigitated position.

2. A cover for rods, bars and the like having an axially extending groove therein comprising, a flexible tube defining a generally cylindrical space, members adapted for interdigitation defining a longitudinally extending slit therein, said interdigitating members also defining a rib projecting radially into the cylindrical space, and a flexible member adapted to be passed through said members to lock the same in interdigitated position.

VALDEMAR RENDLE.

CERTIFICATE OF CORRECTION.

Patent No. 2,212,169. August 20, 1940.

VALDEMAR RENDLE.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 1, second column, line 20, after the word and period "rib." insert the following paragraph -

> As shown in Figures 1, 2 and 3, a tube 41 of resilient material such as rubber is thickened locally, as indicated at 42, throughout its length and is slit or severed along this local thickening 42 by a zig-zag cut to leave at each side of the slit a series of tongue-like projections 43 which, when the device is in position, are interdigitated as clearly shown, and all these projections 43 are bored or formed with apertures longitudinally of the device, as indicated at 44, in such manner that when the device is in position all these apertures are aligned, so that a wire or rod (not shown) which may be of non-conductive material, may be passed therethrough to retain the device firmly in position.;

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 1st day of October, A. D. 1940.

(Seal)

Henry Van Arsdale,
Acting Commissioner of Patents.

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