July 3, 1962 T. J. DINNEEN 3,042,337

WINDING DEVICE

Filed Sept. 23, 1960

FIG. 1

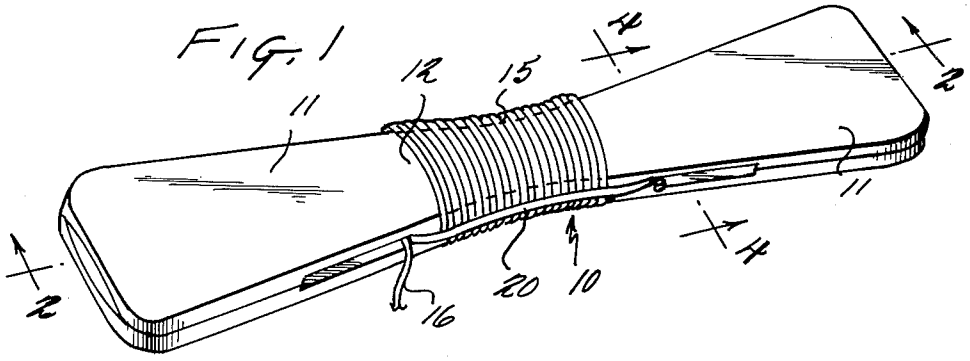


FIG. 2

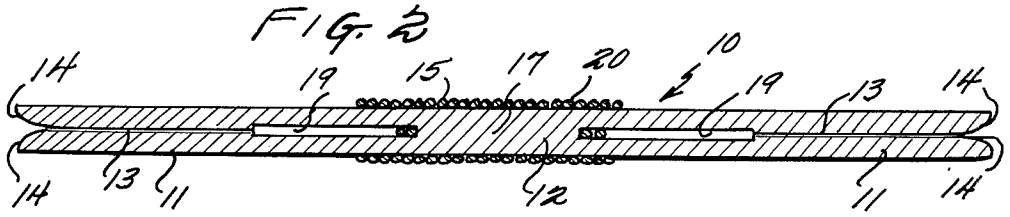


FIG. 3

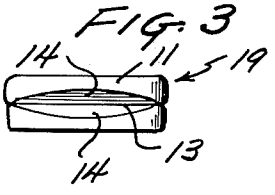
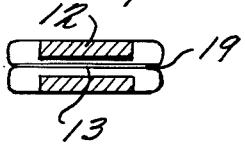


FIG. 4



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WINDING DEVICE

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1 Claim. (Cl. 242—85.1)

This invention relates to a winding device, and more particularly to a winder for cord, string, or other elongated flexible material.

A primary object of this invention is the provision of a device upon which string or cord may be conveniently wound for storage purposes in such manner as to prevent knotting or tangling of the cord.

An additional object of the invention is the provision of a device of this character having means whereby the end or ends of the cord may be readily secured after the length of the material has been wound thereon.

A further object of the invention is the provision of such a device which is so shaped as to provide maximum speed and efficiency in winding a cord as well as unwinding the same when desired.

A further object of the invention is the provision of such a device which is sturdy and durable in construction. reliable and efficient in operation, and relatively simple and inexpensive to manufacture.

Still other objects will in part be obvious and in part be pointed out as the description of the invention proceeds and shown in the accompanying drawings wherein:

FIGURE 1 is a perspective view of one form of device embodying the instant inventive concept showing a cord wound thereon.

FIGURE 2 is an enlarged sectional view taken substantially along the line 2—2 of FIG. 1 as viewed in the direction indicated by the arrows.

FIGURE 3 is an end elevational view of the device as shown in FIG. 2; and

FIGURE 4 is a sectional view taken substantially along the line 4—4 of FIG. 1 as viewed in the direction indicated by the arrows.

Similar reference characters refer to similar parts throughout the several views of the drawing.

Having reference now to the drawings in detail, the device of the instant invention is generally indicated at **10**, and is comprised of a single formed block of wood, plastic, metal, or other desired material.

The winder is provided with two complementary end portions **11** which are substantially identical, and between which is positioned an integral reduced waist portion **12**. An elongated split is provided longitudinally and transversely of each of the portions **11** to form a slot as indicated at **13**, and the ends of the split portion are arcuate and rounded or tapered as at **14**, to facilitate insertion of the end **16** of a coil **15** of cord or string therebetween. Each slot **13** is provided adjacent the solid central portion **17** of the waist portion **12** with an enlarged cut-out **19**, the arrangement being such that the cord may seat conveniently in the enlarged portion, but frictional resistance is afforded in passing through the slot **13**, so that the cord may be withdrawn from the openings **19** only with physical effort.

In the use and operation one end of the string or cord is first passed between the separated tapered portions **14** into the slot **13** and thence into one of the enlarged openings **19**, and held in the fingers while the cord **15** is

wound tightly around the reduced waist portion **12**. When the end of the cord is reached a portion thereof may be passed through either end **14** into the slot **13** seating in the opening **19**, and thence through the opposed end portion to form a loop **20**, the end portions being securely clamped between the relatively resilient confronting sides of either the opening **19** or the slots **13**, as desired.

The device may be made in any desired size, and of any desired conventional material, it having been found that an eight inch winder, that is a winder eight inches in overall length will hold approximately 100 feet of mason's line, and that each additional inch will accommodate an additional fifty feet of line.

From the foregoing it will now be seen that there is herein provided an improved cord winder, which accomplishes all the objects of this invention, and others, including many advantages of great practical utility and commercial importance.

The device as shown herein can obviously be made of two equal parts, cut longitudinally through the solid central portion **17** and suitably joined to form an integral whole, and it is intended that the claim be so considered. Furthermore, instead of holding the starting end of the string or cord in the fingers, a small knot can be formed thereon in any conventional way, the string inserted and the winding then continued as before described.

Line is presently supplied on spools or in balls, but this is not suitable for the purposes for which the present invention has been made as they are not practical for repeated use, once the string has been removed therefrom.

The present device is especially useful to stone and brick masons whose time is of great value. With this invention, they are enabled to work more rapidly and efficiently.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore shown and described, it is to be understood that all matter herein is to be interpreted merely as illustrative, and not in a limiting sense.

I claim:

A winding device for cord comprising an elongated resilient material block having identical enlarged opposite end portions, an integral reduced waist portion intermediate said enlarged ends, each of said ends including portions defining an elongated slot transversely through the full width of the block and extending longitudinally of said block from each end thereof, the longitudinal slots terminating on opposite sides of said reduced waist in an enlarged elongated cut-out portion to receive the ends of a cord wound around said reduced waist, the longitudinally extending slots having a width less than the diameter of the cord whereby an end of the cord can be held during winding thereof, and said elongated cut-out portion having a greater width than the cord.

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