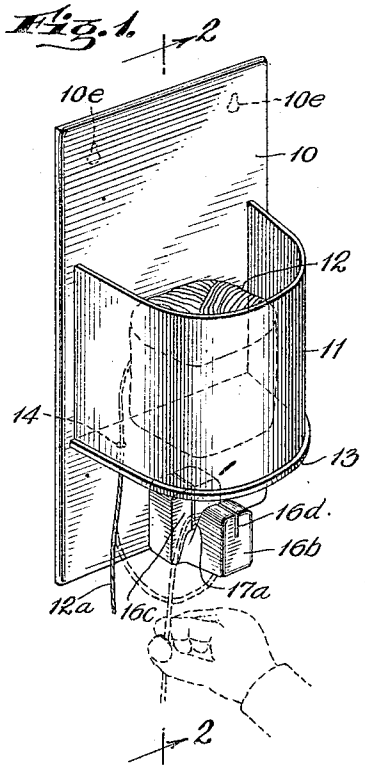
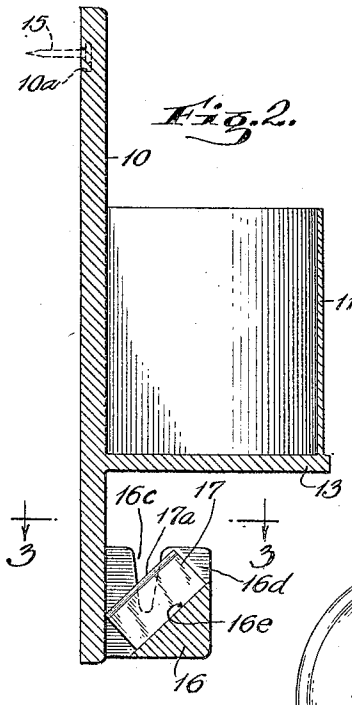
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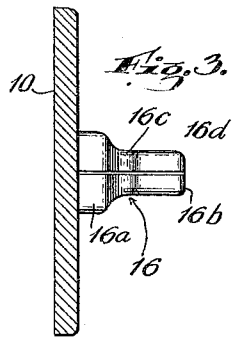
CORD DISPENSING DEVICE

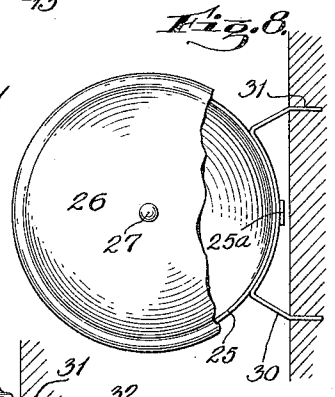
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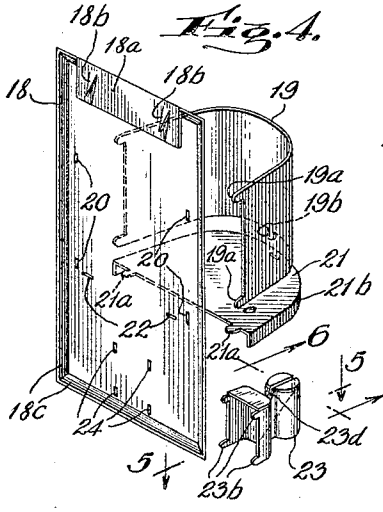
Fig. 1.

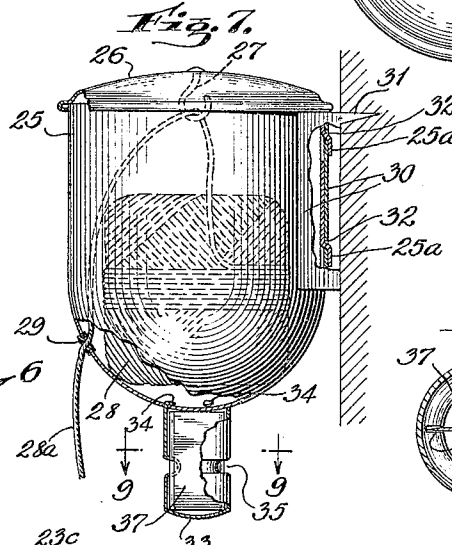


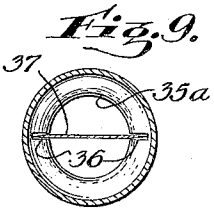


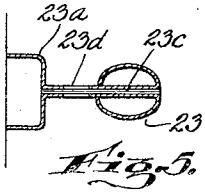


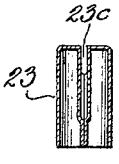












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Patented Sept. 20, 1932 1,878,980

UNITED STATES PATENT OFFICE

SIDNEY R. BELL, OF NEW YORK, N. Y., AND GEORGE W. WARDWELL, OF SOUTH NORWALK, CONNECTICUT; SAID WARDWELL ASSIGNOR OF HIS RIGHT TO SIDNEY BELL, OF RUTHERFORD, NEW JERSEY

CORD DISPENSING DEVICE

Application filed February 24, 1931. Serial No. 517,882.

This invention relates to devices for supporting a ball, spool or hank of cord, rope or other strand-like bodies in a convenient accessible place upon a wall or other support; and the object of the invention is to provide a holder of the class specified with means for severing extended lengths of the strand body removed from the holder, obviating the necessity of using other tools or implements for this purpose; a further object being to provide a device of the class specified with a mounting bracket or plate, with means thereon for securing the same to a support and to the provision of a cup-shaped receptacle or container in which a spool, ball or hank of the strand material such as cord is adapted to be supported and from which the free end of the strand normally projects to facilitate the removal thereof from the casing; a still further object being to arrange the cutting or shearing device upon or in conjunction with the support or cup-shaped casing, and to the provision of a device of this class in which a conventional razor blade is adapted to be supported with its cutting edge disposed in a notch or recess formed in the blade holder; and with these and other objects in view, the invention consists in a device of the class and for the purpose specified, which is simple in construction, efficient in use, and which is constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of our improvement are designated by suitable reference characters in each of the views, and in which:—

Fig. 1 is a perspective view of one form of device which we employ, indicating the manner of its use.

Fig. 2 is a section on the line 2—2 of Fig. 1, showing the cord removed.

Fig. 3 is a section on the line 3—3 of Fig. 2.

Fig. 4 shows detached, perspective views of the several parts of a modified form of device and in their relative positions prior to assemblage.

Fig. 5 is a section on the line 5—5 of Fig. 4.

Fig. 6 is a section on the line 6—6 of Fig. 4.

Fig. 7 is a side and sectional view of another form of device employed.

Fig. 8 is a plan view of the device shown in Fig. 7 with parts of the construction broken away and removed; and,

Fig. 9 is a section on the line 9—9 of Fig. 7.

It is the purpose of our invention to provide a utility device adapted for use in homes, offices, stores and in the shipping departments of firms, to facilitate dispensing of twine, cord, rope and the like used in tying bundles or packages of any kind or class, and to provide a device of this class, which in addition to having means for supporting the ball, spool or hank of the strand material employed, also includes means for supporting a sharp blade for severing predetermined lengths of the strand extended from the holder, and still further to the provision of a blade holding means so designed as to support a razor blade of conventional form.

In Figs. 1 to 3 inclusive, one form of construction is shown which consists of a supporting plate 10 on the outer face of which is arranged a cup-shaped receptacle 11 open at the top to receive a ball, spool or the like of cord 12, which is supported upon the bottom wall 13 of the receptacle. This wall has at one side thereof a discharge aperture 14 through which the free end 12*a* of a cord or other strand from the ball 12 is adapted to extend in the manner illustrated in Fig. 1 of the drawing. The plate 10 extends above and below the receptacle 11 and the rear face of the upper extension is provided with keyhole recesses 10*a* to receive headed screws, pins or the like 15 for hanging or securing the device to a wall or other support.

Arranged on the front face of the lower extension of the plate 10 below the receptacle 11, is a blade supporting block 16, the inner end 16*a* of which is comparatively wide, the outer end 16*b* being reduced. Disposed between said ends is a V-shaped notch or recess 16*c* opening upwardly as clearly seen in Fig. 1 of the drawing. The block 16 has a slot 16*d* opening through the top wall thereof and into the notch 16*c*. This slot is of such cross sectional form as to receive a razor blade 17 of any conventional form, the bottom wall

16e of the slot being inclined upwardly as seen in Fig. 2 so as to support the cutting edge 17a of the blade in an upwardly inclined position within the notch 16e so that in looping or otherwise passing the free end of the cord around the block 16 and over the cutting edge 17a, the shearing of the cord is facilitated by a downward pull in the manner indicated in dotted lines in Fig. 1 of the drawing. Sufficient clearance is allowed between the bottom wall 13 of the receptacle and the top of the block 16 to facilitate the free passage of the projected end of the cord around said block in the manner shown and described.

The construction shown in Figs. 1 to 3 inclusive may be made from any suitable material which may be cast, machined, molded or otherwise formed and in fact may be composed of wood, with the several parts glued or othewise secured together, or a combination of wood and metal may be employed. The type of material used will merely govern the price at which the article is to be sold. It will also be apparent at this time that the entire device may be colored or otherwise ornamented to produce a neat and finished appearance.

In Figs. 4 to 6 inclusive, we have shown a modification wherein the separate parts of the device are composed of independently formed sheets of metal, celluloid, cardboard or other material. In this construction, a mounting plate 18 similar in general form to the plate 10 is employed, and instead of having the recesses 10a, the sheet from which the plate 18 is formed is provided at its upper end with back supporting plate 18a which may include supporting prongs such as are shown at 18b, or fastening devices may be passed through the plate into a wall or other support, as will be apparent. It will be noted that the peripheral edges 18c of the plate are beveled backwardly to arrange the front of said plate in spaced relation to the wall or other surface upon which the same is mounted.

A receptacle is formed from a loop-shaped sheet 19 having at the top and bottom of the end walls thereof, projecting lugs 19a adapted to pass through apertures 20 in the plate 18 to support the same in connection therewith. A bottom plate 21 is attached to the lower edge of the plate 19 by a lug 19b at the front lower edge thereof passing through an aperture in the plate 21, said plate having lugs 21a at the inner edge thereof passing through apertures 22 in the plate 18. In this manner, the receptacle formed by the plates 19 and 21 may be firmly attached to the front plate 18, it being understood that the lugs are all bent over after passing through their respective apertures in securing the parts together. The plate 21 forming the bottom wall of the receptacle has a downwardly extending peripheral flange 21b which forms a neat and finished appearance to the lower end of this receptacle, which when attached to the plate 18 will resemble the receptacle 11.

Substituted for the block 16 is a blade supporting block 23 formed from two sheet metal parts, so fashioned and joined together as to form a back portion 23a having inwardly directed lugs 23b adapted to pass through apertures 24 formed in the plate 18 and riveted over to secure the block 23 thereto.

A razor blade is adapted to be supported in an inclined position in a channel or recess 23c, similar to supporting the blade 17 in the block 16, the central portion of the block having a notch 23d in which the edge of the blade is supported, and into which the cord is passed in cutting off a predetermined length thereof. In other words, the block 23 aside from its contour and manner of construction, will function in a way identical to that of the block 16 shown in Figs. 1 to 3 inclusive.

In Figs. 7, 8 and 9, another form of device is shown which substantially differentiates in general appearance to the devices shown in Figs. 1 to 6 inclusive in the provision of a cup-shaped receptacle 25 open at the top. Said opening is adapted to be closed by a cover 26 to the central portion of which is supported a downwardly extending loop or hook 27 through which the free end of the cord from a spool 28 is adapted to pass, said end 28a extending through an aperture 29 formed at the lower side wall of the receptacle 25 and projecting therebeyond. With this construction, a supporting plate or bracket 30 is disposed on one side wall of the receptacle 25 and is secured to a wall or other support by prongs 31 on said bracket. If desired, the receptacle 25 may be detachable with respect to the bracket 30 by stamping outwardly directed hook-shaped lugs 25a from the side wall of the receptacle and passing the same through apertures 32 formed in the bracket or supporting plate 30 as clearly seen in Fig. 7 of the drawing. It will be understood, however, that the bracket 30 may be of any desired form and construction, and may constitute an integral part of the receptacle 25 and be secured to a wall or other support in any desired manner.

In the construction shown in Figs. 7 to 9 inclusive, a tubular blade supporting member 33 is arranged at and secured to the lower end of the receptacle 25 and projects therebeyond, the member 33 being thimble-shaped in form and having at its upper edge projecting lugs 34 passed through corresponding apertures in the receptacle to secure the member thereto. Said member is provided in the wall thereof with an annular groove 35 forming within the chamber thereof an annular rib 35a which is notched

or recessed on opposed walls as seen at 36, note Fig. 9 of the drawing, to receive a razor blade 37, preferably of the conventional double-edge type, so as to dispose the cutting edges of said blade within the groove or recess 35 in the member 33 so that the cord may be placed therein, and sheared by one of the projecting cutting edges. In the construction shown, it will be understood that the blade 37 is assembled in the member 33 prior to attaching said member to the receptacle 25.

In all forms of construction shown, it will be seen that the cutting tool or razor blade is supported in a block or other member in such manner that the cutting edge of the blade is guarded or protected against injury to a person, and this will avoid accidents in the event of a child placing its finger anywhere upon the complete device.

It will be understood that while certain forms of devices are shown to illustrate different methods of carrying the invention into effect, our invention is not necessarily limited to the structural details herein disclosed and other changes in and modifications of the invention may be made within the scope of the appended claims without departing from the spirit of our invention or sacrificing its advantages.

Having fully described our invention, what we claim as new and desire to secure by Letters Patent, is:

1. A cord dispensing device of the class described comprising a mounting plate, an independently formed receptacle attached to said plate and projecting forwardly therefrom, a cord severing element arranged beneath and in close proximity to the receptacle comprising a notched body, a razor blade mounted within the boundaries of said body with its cutting edge exposed through said notch, means whereby the cord supported in said receptacle may be drawn through the lower end portion thereof and passed through the notch of said severing element to remove a desired length of the withdrawn cord, said mounting plate extending below the receptacle, said element being secured to the lower extension of said plate centrally beneath said receptacle, the notch of said element being directed upwardly, and the cutting edge of the razor blade transversing the notch in an upwardly inclined manner.

2. A cord dispensing device of the class described comprising an elongated mounting plate, a receptacle on the central portion of said plate and projecting forwardly therefrom, a cord severing element arranged on said plate beneath and in close proximity to the receptacle and comprising a notched body in which a blade is mounted with its cutting edge exposed through said notch, and means whereby the cord supported in said receptacle may be drawn through the lower end portion thereof and passed through the notch of the severing element to remove a desired length of the withdrawn cord.

In testimony that we claim the foregoing as our invention we have signed our names this 19th day of February, 1931.

SIDNEY R. BELL.
GEORGE W. WARDWELL.