Jan. 2, 1951 R. HARWARD 2,536,931

DISPENSING HOLDER FOR YARN PACKAGES AND THE LIKE

Filed June 28, 1948

Fig. 1.

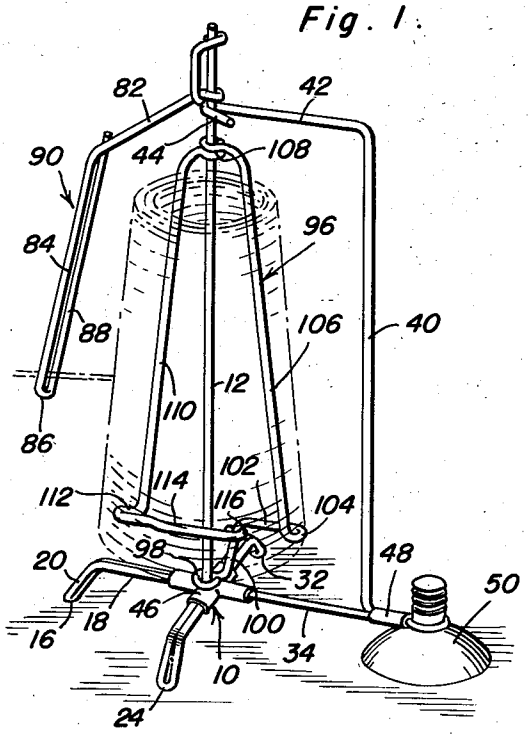
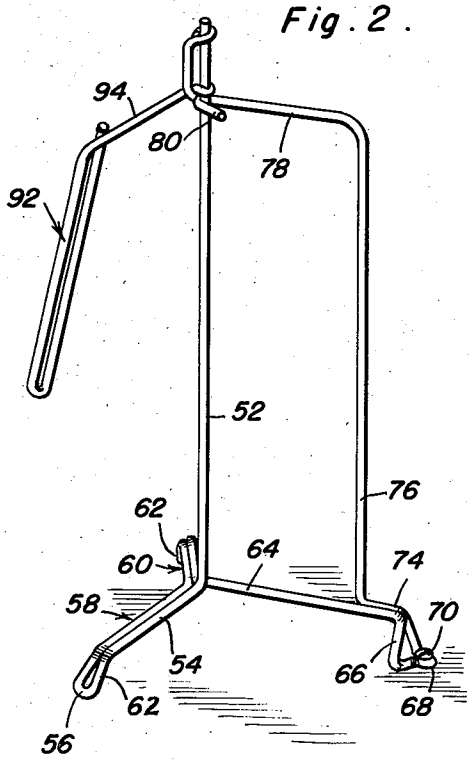


Fig. 2.



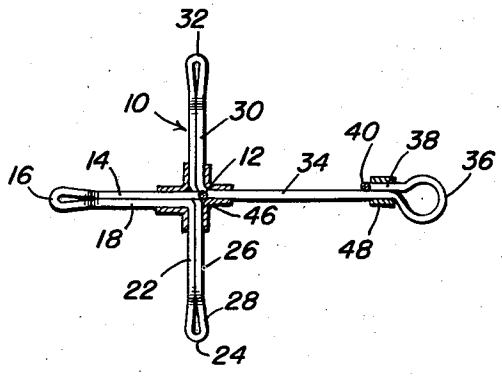
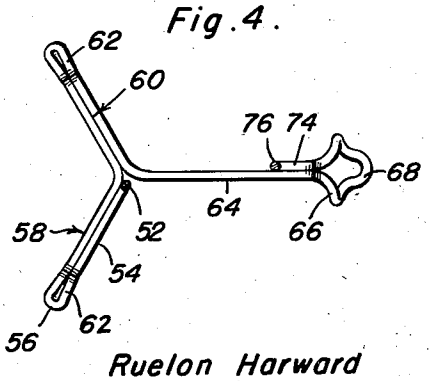


Fig. 3.

Fig. 4.



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DISPENSING HOLDER FOR YARN PACKAGES AND THE LIKE

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4 Claims. (Cl. 242—141)

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This invention relates to a dispensing holder for packaged yarn or the like and has for its primary object conveniently to hold a package of yarn for unwinding as its use, for instance in knitting, is desired.

Another object is to guide a strand of yarn as it leaves the package so as to avoid danger of it becoming tangled and knotted.

The above and other objects may be attained by employing this invention which embodies among its features a base, a standard fixed to and extending upwardly from the base, a package holder mounted on the standard to rotate about the axis thereof, a bracket supported at one end adjacent the upper end of the standard and extending radially therefrom and a yarn guide depending from the end of the bracket remote from the standard through which yarn passes as it is unwound from a yarn package supported on the holder.

Other features include an upright fixed to and extending upwardly from the base in spaced parallel relation to the standard, an arm carried by the upper end of the upright and projecting toward the standard and a hook on the arm for engaging the standard adjacent its upper end to retain the yarn holder on the standard and the standard from flexing while the yarn is passing through the yarn guide.

In the drawings,

Figure 1 is a perspective view of one embodiment of this invention illustrating the package holder on one form of base;

Figure 2 is a perspective view of a modified form of base;

Figure 3 is a horizontal sectional view through the device illustrated in Figure 1; and

Figure 4 is a horizontal sectional view through the structure illustrated in Figure 2.

Referring to the drawing in detail a base designated generally 10 is formed from a single strand of wire which includes a standard 12, the lower end of which is bent horizontally as at 14 and then looped back upon itself as at 16 so that a horizontal portion 18 lies parallel with and adjacent a horizontal portion 14. The looped end of the arm thus formed, of the base 10, is bent downwardly to form a foot 20. The end of the arm 18 remote from the return bend 16 is bent at right angles as at 22 and extends horizontally along an axis perpendicular to the axes of the arms 14 and 18 but in the same horizontal plane. The end of the horizontal portion 22 remote from the standard 12 is bent back upon itself as at 24 and continues toward the standard 12 as at 26

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to form a radial arm for the base 10 which extends perpendicular to the arm first mentioned. Like the first mentioned arm the looped portion 24 is bent downwardly to form a foot 28. A similarly shaped arm 30 projects from the opposite side of the standard 12 in substantial alignment with the arm formed by the portions 22 and 26 and is provided with a foot 32. Continuing back upon itself the wire forming the arm 30 is bent at right angles at its junction with the standard 12 to form a rearwardly extending arm 34 which projects substantially perpendicular to the arm 30 and in substantial alignment with the leg or arm formed by the portions 14 and 18 of the base 10. Formed at the end of the arm 34 remote from the standard 12 is a loop 36 which terminates in an extension 38 which lies alongside of the arm 30 and terminates at its end remote from the loop in an upright 40 which projects upwardly in spaced parallel relation to the standard 12 as will be readily understood upon reference to the drawings. The upper end of the upright is provided with a horizontally extending arm 42 which lies in substantially spaced parallel relation to the arm 34 and terminates at its end remote from the upright in a hook 44 which as illustrated in Figure 1 is adapted to be hooked around the standard 12 adjacent its upper end.

In the preferred form of the invention, the junctions of the arms are encompassed in suitable fittings 46 and 48 of sheet metal, and secured in the loop 36 is a suction cup 50 which serves to engage the supporting surface for the base 10 and holds the device against accidental movement along said surface.

In the modified form of the base illustrated in Figure 2 a standard 52 terminates at its lower end in a horizontal leg 54 which is bent back upon itself as at 56 to form a horizontal arm designated generally 58. The end of the arm 58 remote from the standard 52 is bent downwardly to form a foot 62, and the end of the returned portion of the horizontal leg 54 projects beyond the standard 52 and is bent back upon itself at a point remote from the standard 52 to form a diverging horizontal leg or arm 60. The end of the arm 60 remote from the standard 52 is bent downwardly to form a foot 62 and the end of the return portion of the arm 60 is bent angularly to extend radially from the standard 52 and form a horizontal supporting arm 64. The end of the arm 64 remote from the standard 52 is bent downwardly as at 66 to form a foot having a loop 68 for the reception of an attaching screw 70 by means of which the device may be secured to a

table or other suitable supporting surface. Continuing beyond the loop the wire forming the arm 64 and the foot 66 continues along the arm 64 as at 74 for a short distance and terminates at its end remote from the foot 66 in an upright 76 which like the upright 40 is provided at its upper end with a horizontally extending arm 78 which terminates at its end remote from the upright 76 in a hook 80 which as illustrated in Figure 2 is adapted to engage the standard 52 adjacent its upper end.

Extending radially from the upper end of the standard 12 is an arm 82 carrying a depending portion 84 which is looped back upon itself as at 86 to form a spaced parallel member 88 which cooperates with the portion 84 in forming a yarn guide 90. In the preferred form of the invention the yarn guide 90 is located diametrically opposite the upright 40, so that when pull is exerted on the yarn package, the standard 12 will be held against flexing.

A similar yarn guide designated generally 92 is suspended from one end of a radial bracket 94 which is carried by the upper end of the standard 52, and the yarn guide 92 is preferably disposed diametrically opposite the upright 76.

The package holder designated generally 96 is formed of a continuous piece of wire having an eye 98 at one end which encircles the standard 12 and rides on the fitting 46. Extending upwardly from the eye 98 is an arm 100 which terminates at its upper end in a horizontal arm 102 which is bent back upon itself as at 104 to form a supporting ear for one side of the bottom of the yarn package. An upwardly and inwardly extending arm 106 rises from the portion 104 and is provided at its upper end with a loop 108 which extends around the standard 12 adjacent its upper end and forms a bearing which aligns axially with the eye 98 for the upper end of the yarn holder. Continuing downwardly and outwardly, the wire from the loop 108 forms a divergent arm 110 which terminates at its lower end in an outwardly extending supporting member 112 which lies diametrically opposite the portion 104 previously described and is provided with a horizontally extending arm 114 which terminates in an eye 116 which encircles the upwardly extending portion 100 adjacent its junction with the radial arm 102. It will thus be seen that a tapered frame is provided which will effect adequate support for a yarn package mounted thereon. Obviously the support 96 may be utilized on the standard 52 in the same manner that it is employed on the standard 12, and by reason of the eye 98, and the loop 108, the member 96 will be rotatably supported about the axis of the standard.

In use the hook 44 is disengaged from the standard 12 and the bracket 82 is slipped off of the upper end of the standard. A yarn package may then be slipped down over the upper end of the standard to engage the holder 96 as suggested by the broken lines in Figure 1, after which the hook 44 is re-engaged, and the bracket arm 82 is replaced on the upper end of the standard to rest on the hook 44, with the arm 82 extending radially and substantially diametrically opposite the arm 42. The yarn to be removed from the package is threaded through the yarn guide 90 between the arms 84 and 88 thereof, and it will be obvious that as the yarn is used, it will be unwound from the package without being subject to tangling and snarling. Obviously, when the base of the type illustrated in Figure 2 is employed, the holder 96 may be slipped over the upper end of the standard 52 in a manner similar to that previously described, and the yarn threaded through the guide 92. By reason of the fact that both the base 10 and the base 58 are anchored to a supporting surface, it is obvious that the holder will remain in position while the yarn is being dispensed therefrom.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

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

1. A dispensing holder for packaged yarn or the like comprising a base, a standard fixed to and extending upwardly from the base, a package holder mounted on the standard to rotate about the axis thereof, said package holder including a wire bent to form an eye at one end encircling the standard at its lower end, an arm extending upwardly from said eye, said arm having a horizontal portion bent back upon itself to form a supporting ear for one side of a yarn package, an upwardly and inwardly extending arm extending from said supporting ear having a loop at its upper end encircling the standard adjacent its upper end, a further arm extending downwardly and outwardly from said loop terminating at its lower end in an outwardly extending ear for supporting another side of a yarn package, and a horizontally extending arm extending from said outwardly extending ear terminating in an eye encircling said first-named upwardly extending arm, a bracket removably supported at one end adjacent the upper end of the standard and extending radially therefrom and a yarn guide depending from the end of the bracket remote from the standard through which yarn passes as it is unwound from a yarn package supported on the holder.

2. A dispensing holder for packaged yarn or the like comprising a base, a standard fixed to and extending upwardly from the base, a package holder mounted on the standard to rotate about the axis thereof, said package holder including a wire bent to form an eye at one end encircling the standard at its lower end, an arm extending upwardly from said eye, said arm having a horizontal portion bent back upon itself to form a supporting ear for one side of a yarn package, an upwardly and inwardly extending arm extending from said supporting ear having a loop at its upper end encircling the standard adjacent its upper end, a further arm extending downwardly and outwardly from said loop terminating at its lower end in an outwardly extending ear for supporting another side of a yarn package, and a horizontally extending arm extending from said outwardly extending ear terminating in an eye encircling said first-named upwardly extending arm, an upright fixed to and extending upwardly from the base in spaced parallel relation to the standard, an arm carried by the upper end of the upright and projecting toward the standard and a hook on the arm for engaging the standard adjacent its upper end to retain the yarn holder on the standard.

3. A dispensing holder for packaged yarn or the like comprising a base, a standard fixed to and extending upwardly from the base, a pack-

age holder mounted on the standard to rotate about the axis thereof, said package holder including a wire bent to form an eye at one end encircling the standard at its lower end, an arm extending upwardly from said eye, said arm having a horizontal portion bent back upon itself to form a supporting ear for one side of a yarn package, an upwardly and inwardly extending arm extending from said supporting ear having a loop at its upper end encircling the standard adjacent its upper end, a further arm extending downwardly and outwardly from said loop terminating at its lower end in an outwardly extending ear for supporting another side of a yarn package, and a horizontally extending arm extending from said outwardly extending ear terminating in an eye encircling said first-named upwardly extending arm, a bracket removably supported at one end adjacent the upper end of the standard and extending radially therefrom and a yarn guide depending from the end of the bracket remote from the standard through which yarn passes as it is unwound from a yarn package supported on the holder, an upright fixed to and extending upwardly from the base in spaced parallel relation to the standard diametrically opposite the yarn guide, an arm supported at one end on the upper end of the upright and projecting toward the standard and a hook on the end of the arm remote from the upright detachably to engage the standard and hold it against flexing while yarn is passing through the yarn guide.

4. In a packaged yarn dispenser including a base and a standard thereon; a yarn package holder rotatably mounted on the standard comprising a wire bent to form an eye at one end encircling the standard at its lower end, an arm extending upwardly from said eye, said arm having a horizontal portion bent back upon itself to form a supporting ear for one side of a yarn package, an upwardly and inwardly extending arm extending from said supporting ear having a loop at its upper end encircling the standard adjacent its upper end, a further arm extending downwardly and outwardly from said loop terminating at its lower end in an outwardly extending ear for supporting another side of a yarn package, and a horizontally extending arm extending from said outwardly extending ear terminating in an eye encircling said first-named upwardly extending arm.

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