Nov. 21, 1939. J. R. BEDELL 2,180,858

CONTAINER

Filed Aug. 2, 1938

Fig-1

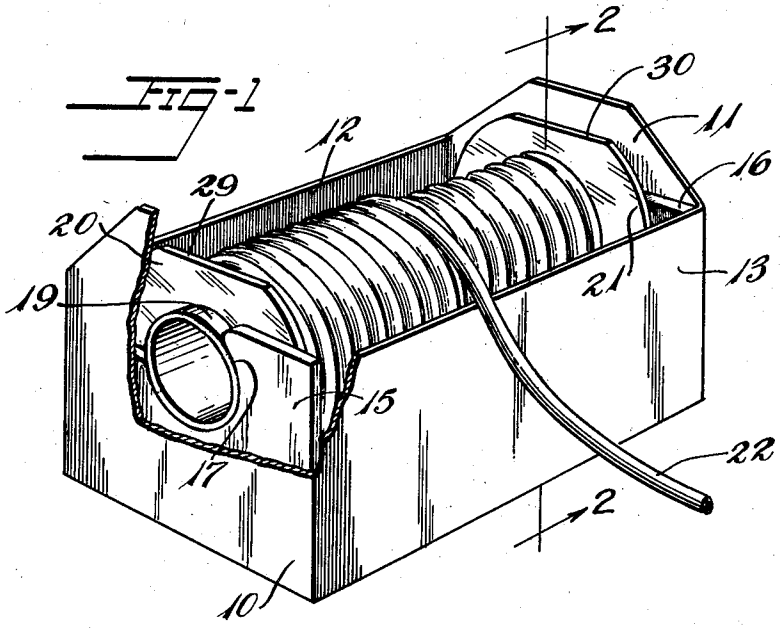
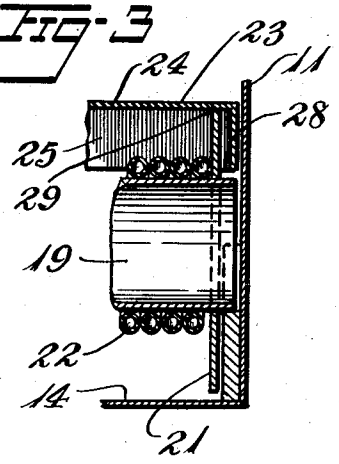


Fig-3



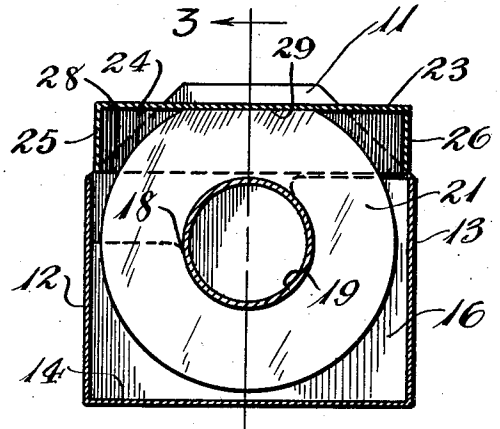


Fig-2

Inventor
James R. Bedell
By Willis F. Avery
Atty.

Patented Nov. 21, 1939 2,180,858

UNITED STATES PATENT OFFICE

2,180,858

CONTAINER

James R. Bedell, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application August 2, 1938, Serial No. 222,639

4 Claims. (Cl. 206—59)

This invention relates to containers and is especially useful where long lengths of merchandise are shipped in coils and sold in shorter lengths.

The principal objects of the invention are to provide for convenience of handling, to provide compactness of package, to provide neat appearance, to protect the merchandise from being soiled, to permit dispensing without twisting of the merchandise, and to economize space.

These and other objects will appear from the following description and the accompanying drawing.

Of the drawing:

Fig. 1 is a perspective view of the container with the cover removed and part of the wall broken away, a supply of rubber tubing being shown within the container.

Fig. 2 is a sectional view taken on line 2—2 of Fig. 1.

Fig. 3 is a sectional view taken on line 3—3 of Fig. 2.

Referring to the drawing, the numerals 10, 11 designate the end walls, 12, 13 the side walls, and 14 the floor of a rectangular container member. The end walls 10, 11 are preferably higher than the side walls and may have sloping margins thereabove.

Fixed to the inner faces of the end walls, as by glue or rivets, are a pair of blocks 15, 16, formed with arcuate notches 17, 18 extending through an arc of preferably more than 180 degrees and opening through the upper margins of the blocks, the arrangement being such that a reel, comprising an axle tube 19 and heads 20, 21 mounted thereon is removably and rotatably mounted in the notches and may be removed only by movement upwardly and angular to a vertical plane through the centers of the notches.

Strip material, such as the flexible tubing 22 may be stored on the reel by being wound helically thereon, the direction of winding being such that as the strip is withdrawn the pull will tend to retain the reel in the notches. The height of the side walls 12, 13 is such that the strip material may be withdrawn thereover horizontally without tending to lift the reel from its bearings. The tube 19 is made of flexible material such as box board and may be distorted somewhat so as to enable its being entered in the notches.

To provide for covering the reel during shipment a cover member 23 is provided having a top 24 and depending side walls 25, 26, and end walls 27, 28. To prevent rotation of the reel during handling the reel heads 20, 21 are flattened at at least one position as at 29, 30 so as to engage and support the cover member. The flattened portions not only perform the functions of supporting the cover member and simultaneously locking the reel, but also provide greater clearance when the reel is to be lifted angularly from its bearings and the flattened portions are turned to face the side wall 12.

While the container may be made of wood, metal, or other material, especially in large sizes, the device conveniently may be made of box board as all parts may be chopped from sheet material and glued or stayed in assembled relation.

Modifications may be made without departing from the scope of the invention as it is defined by the following claims.

I claim:

1. A container for storing and dispensing flexible strip material, said container comprising a box-like member open at the top, a pair of chuck blocks located in the ends of the box-like member and formed with arcuate axle-bearing notches in alignment with each other, said notches being of more than 180° extent arcuately and opening at an angle acute to the vertical, a reel rotatable in said member and comprising a hollow axle of pliable material and a pair of heads mounted thereon, said axle being removable from said notches by being temporarily flattened somewhat, said reel heads being flattened at one portion of their margins to permit removal angularly of the vertical by providing extra clearance between the reel and the side of said member, and a lid adapted to engage the first named member over said reel and by engagement with the flattened portion of the reel-heads to prevent turning of the reel when the lid is in place.

2. A container for storing and dispensing flexible strip material, said container comprising a box-like structure open on one side and having a pair of fixed axle-receiving bearing notches at opposite ends of the box, said notches having bearing portions for rotatably supporting a reel axle and having throats narrower than the diameter of the axle, and a reel adapted to be enclosed by said container and having a hollow axle of elastic pliable material adapted to be rotatably supported in said bearing portions and adapted to pass said throats when the axle is diametrically distorted.

3. A container for storing and dispensing flexible strip material, said container comprising a box-like structure open on one side and having a pair of fixed axle-receiving bearing notches at opposite ends of the box, said notches having

bearing portions for rotatably supporting a reel axle and having throats narrower than the diameter of the axle, said throats opening in a direction angular to the open side of the box, and a reel adapted to be enclosed by said container and having a hollow axle of elastic pliable material adapted to be rotatably supported in said bearing portions and adapted to pass said throats when the axle is diametrically distorted.

4. A container for storing and dispensing flexible strip material, said container comprising a box-like structure open on one side and having a pair of fixed axle-receiving bearing notches at opposite ends of the box, said notches having bearing portions for rotatably supporting a reel axle and having throats opening in a direction angular to the open side of the box, and a reel adapted to be enclosed by said container and having an axle adapted to enter said notches, said reel having heads closely fitting said container, said heads being relieved at one place to clear the side of the box when the reel is moved in a direction to remove it from said notches.

JAMES R. BEDELL.