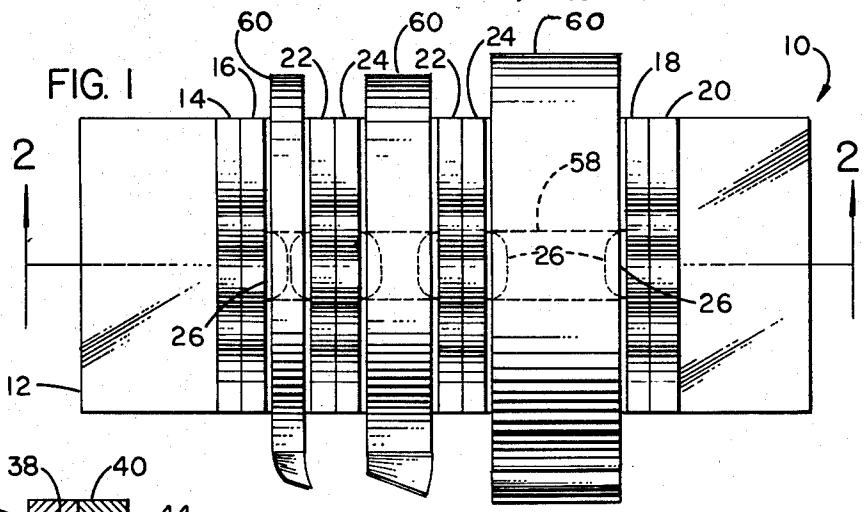
Jan. 8, 1963 E. M. CONNOLLEY 3,072,351

RIBBON ROLL HOLDER

Filed June 17, 1960

FIG. 1



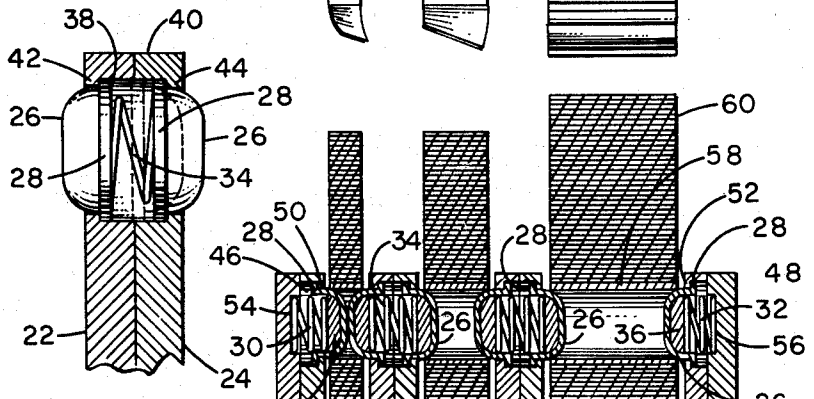


FIG. 3

FIG. 2

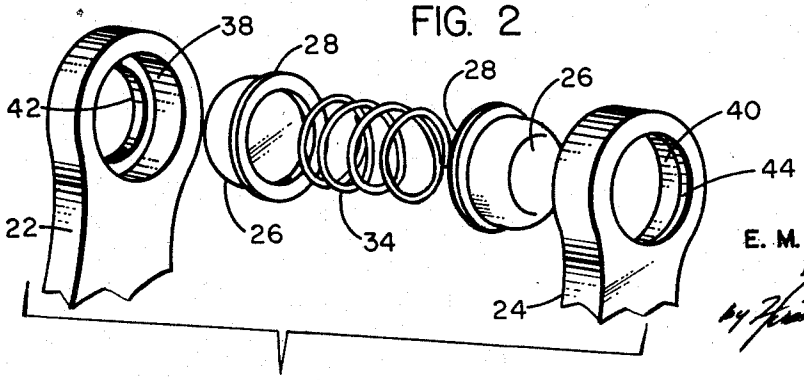


FIG. 4

E. M. CONNOLLEY
INVENTOR.
by Kirie A. Strange
Agent

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RIBBON ROLL HOLDER

Emmet M. Connolley, 5414 S. 36th St., Omaha, Nebr.

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This invention relates to dispensers for materials supplied in rolls, such as rolls of ribbon, and in particular a plurality of standards extended upwardly from a base with aligned spring actuated cups having arcuate protruding surfaces in openings in the standards providing spindles, whereby rolls of materials are forced into dispensing positions between the standards, and empty cores of the rolls are readily withdrawn by compressing the cups.

The purpose of this invention is to provide a holder for dispensing materials from rolls in which the rolls are readily inserted in the holder and wherein empty cores of the rolls are readily removed.

Various types of stands have been provided for materials supplied in rolls and whereas such stands or holders are suitable for toilet paper and the like they are not satisfactory for ribbon and other similar materials. With this thought in mind this invention contemplates spaced standards mounted on a base with spring actuated elements protruding from inner surfaces of the standards and positioned to snap into ends of cores of rolls of material whereby rolls of ribbon and the like may readily be forced into dispensing positions between the standards, and wherein empty cores of the rolls are readily removed from the standards.

The object of this invention is, therefore, to provide a dispensing holder for rolls of ribbon in which the rolls of ribbon are easily pressed into dispensing positions, and wherein the cores of the rolls are easily removed.

Another object of the invention is to provide a dispensing holder for rolls of ribbon and the like in which the rolls may readily be inserted in and also readily removed from the holder without screws, bolts, or other fastening means.

Another important object of the invention is to provide a dispensing holder for rolls of material in which rolls of different sizes may be used in the holder.

A further object of the invention is to provide a dispensing holder for material in rolls in which roll holding elements of the holder are readily assembled by the average layman.

A still further object is to provide a holder for dispensing material in rolls in which the rolls of material are readily inserted in the holder, in which the holder is of simple and economical construction.

With these and other objects and advantages in view the invention embodies a horizontally disposed panel providing a base, uprights mounted on and extended upwardly from the base, said uprights having aligned openings in upper ends thereof cup-shaped elements having peripheral flanges extended from edge, thereof positioned in the openings of the standards and retained in the standards by lips in ends of the openings, and springs positioned in the cup-shaped elements for urging said elements outwardly of the standards.

Other features and advantages of the invention will appear from the following description taken in connection with the drawing, wherein:

FIGURE 1 is a plan view of the ribbon roll holder with rolls of ribbons shown therein.

FIGURE 2 is a longitudinal section through the ribbon roll holder taken on line 2—2 of FIGURE 1.

FIGURE 3 is a longitudinal section through the upper end of one of the standards of the ribbon roll holder, with the parts shown on an enlarged scale, and with the lower part of the standard broken away.

FIGURE 4 is an exploded view illustrating the component parts of the upper end of one of the intermediate standards.

While one embodiment of the invention is illustrated in the above-referred-to drawings, it is to be understood that they are merely for the purpose of illustration and that various changes in construction may be resorted to in the course of manufacture in order that the invention may be utilized to the best advantage according to circumstances which may arise, without in any manner departing from the spirit and intention of the device, which is to be limited only in accordance with the appended claims. And while there is stated the primary field of utility of the invention it remains obvious that it may be employed in any other capacity wherein it may be found applicable.

In the accompanying drawings, and in the following specification, the same reference characters are used to designate the same parts and elements throughout and in which the numeral **10** refers to the invention in its entirety, numeral **12** indicating a base, numerals **14** and **16** indicating an upright at one end of the holder, numerals **18** and **20** sections of an upright at the opposite end of the holder, numerals **22** and **24** sections of uprights positioned intermediate of the uprights at the ends of the holder, numeral **26** cups having peripheral flanges **28** positioned in upper ends of the uprights, numerals **30** and **32** springs positioned in the uprights at the ends of the holder, numeral **34** springs positioned in the intermediate uprights, and numeral **36** fillers positioned in the cups.

The uprights are provided in two sections and the sections are secured together by adhesive or other suitable means. The sections **22** and **24** of the intermediate uprights are provided with openings **38** and **40** and annular inwardly extended lips **42** and **44** are provided in outer ends of the openings to limit outward movements of the peripheral flanges of the cups. The cups are urged outwardly with the flanges **28** against the lips or peripheral flanges **42** and **44** by the springs **34**.

The inner sections **16** and **18** of the standards at the ends of the holder are provided with openings **46** and **48** having lips **50** and **52** at the ends, similar to the openings **38** and **40** of the intermediate standards, and the outer sections **14** and **20** of the end standards are provided with spring receiving recesses **54** and **56**, respectively.

Operation

With the parts assembled as illustrated and described a stand is provided for dispensing ribbon and the like from rolls and new rolls are inserted in the stand by forcing the cups **26** outwardly compressing the springs until the cups snap into ends of the cores **58**, whereby the cups provide spindles upon which the rolls **60** rotate. After the ribbon or other material is used from the roll the core **58** is withdrawn by again compressing the springs and the core may be replaced by a new roll.

It will be understood that any number of uprights may be used in a holder, and the uprights may be spaced to compensate for materials of different widths.

From the foregoing specification it will become apparent that the invention disclosed will adequately accomplish the functions for which it has been designed and in an economical manner, and that its simplicity, accuracy, and ease of operation are such as to provide a relatively inexpensive evice considering what it will accompish and that it will find an important place in the art to which it appertains when once placed on the market.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawings. Therefore, a more lengthy description is regarded as unnecessary.

Changes in shape, size, and arrangement of details and parts, such as come within the purview of the invention claimed, may be resorted to in actual practice if desired.

Having now described the invention that which is claimed to be new and desired to be procured by Letters Patent is:

In a holder for rolls of material, the combination which comprises a base, spaced pairs of uprights positioned on and extended upwardly from the base, said uprights having aligned circular openings in upper ends thereof and the openings of intermediate pairs of the uprights having inner peripheral flanges in outer ends thereof, the inner uprights of the pairs of uprights spaced inwardly from the ends of the base having inner peripheral flanges in outer ends thereof, and the outer uprights of said pairs of uprights spaced inwardly from ends of the base having spring receiving recesses in inner surfaces thereof, said recesses being aligned with said openings of the uprights, cups having peripheral flanges on outer surfaces of open ends thereof mounted in the openings of the uprights and positioned to extend through the peripheral flanges in the outer ends of the openings of the

intermediate uprights and outer ends of the openings of the inner uprights of the pairs of uprights spaced inwardly from the ends of the base, and springs extended through the openings of the intermediate pairs of uprights and openings of the inner uprights of the pairs of uprights spaced inwardly from the ends of the base, said springs being positioned with ends thereof in the cups of the intermediate pairs of uprights and cups of the inner uprights of the pairs of uprights spaced inwardly from the ends of the base thereby urging said cups to extended positions in relation to the uprights for providing spindles for rolls of material, the ends of the springs in the inner uprights of the uprights spaced inwardly from the ends of the base opposite to the ends positioned in the cups being positioned in said recesses of the outer uprights of the pairs of uprights spaced inwardly from the ends of the base.

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