Oct. 26, 1926. 1,604,304

M. B. PERKANIS

STORE FURNITURE

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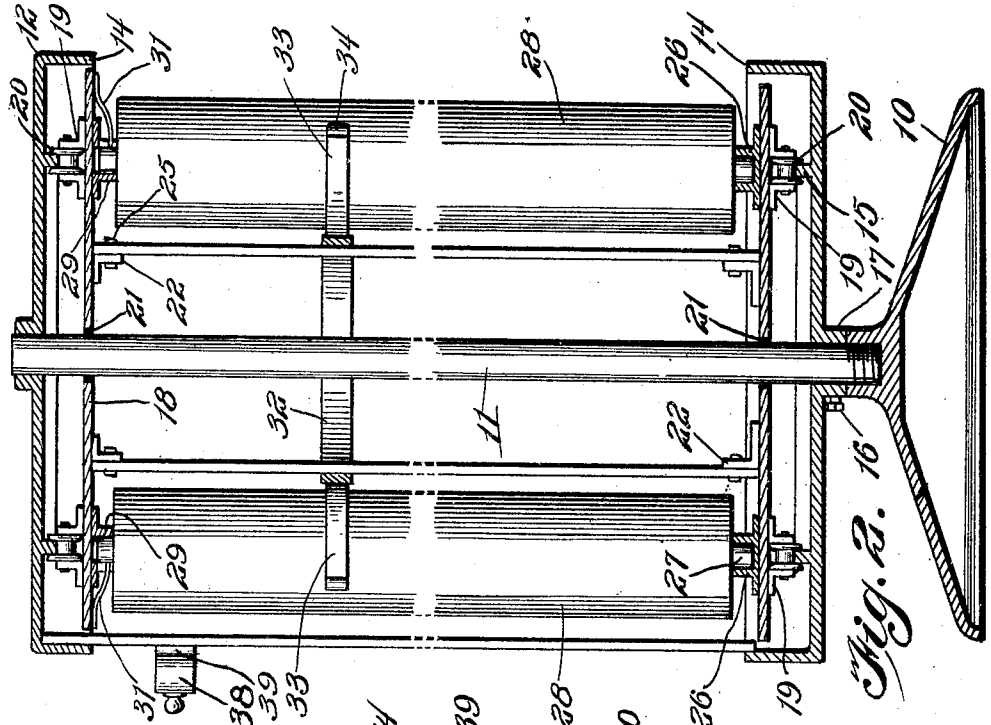


Fig. 2.

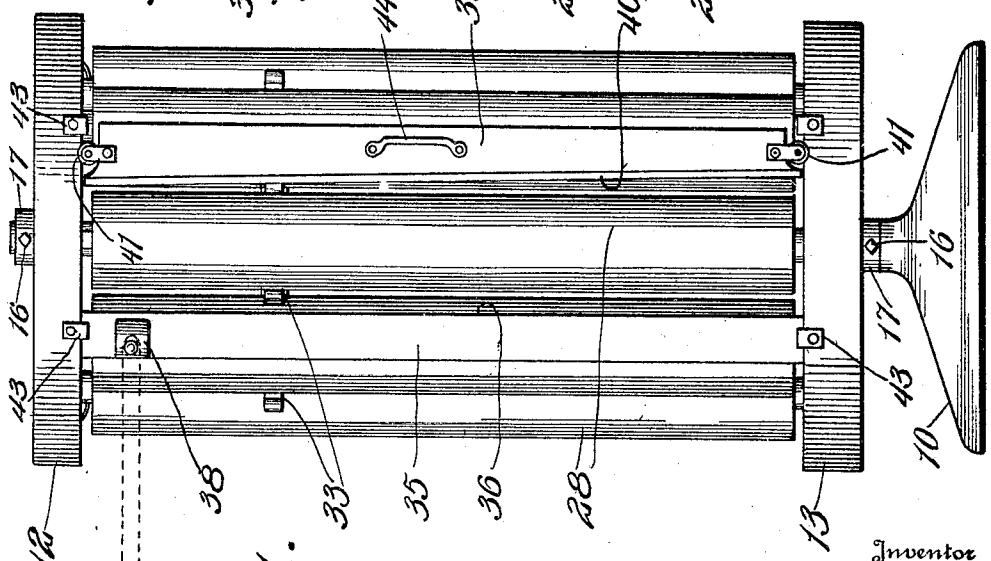


Fig. 1.

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Fig. 3.

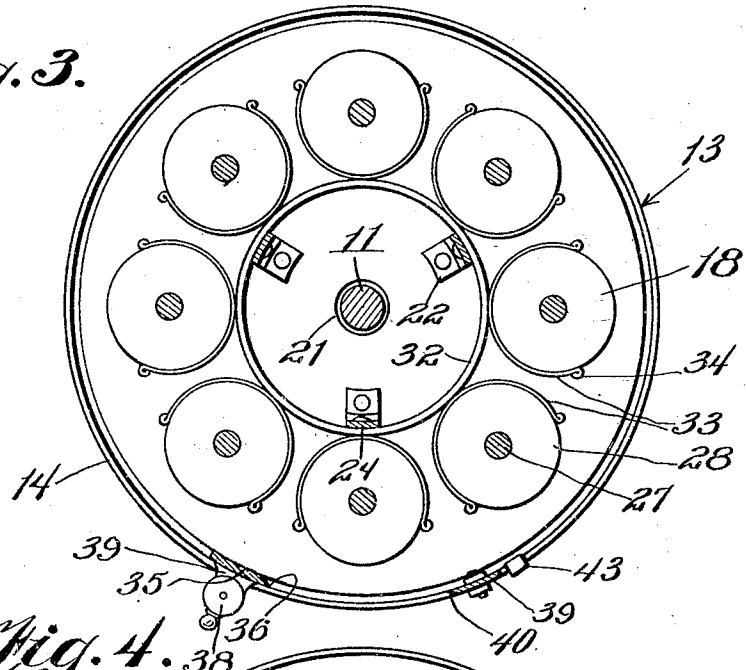


Fig. 4.

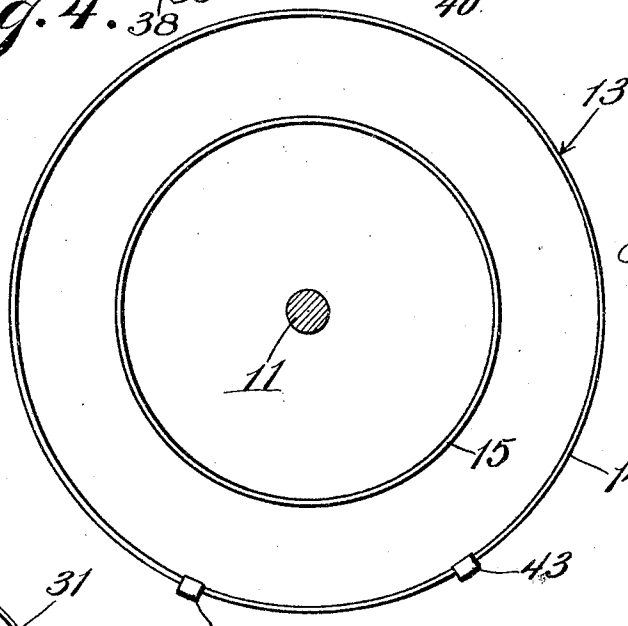


Fig. 6.

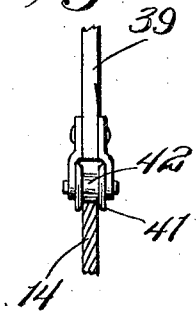


Fig. 7.

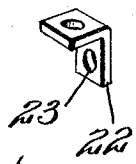
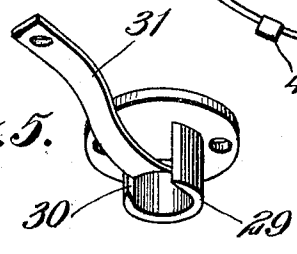


Fig. 5.



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Patented Oct. 26, 1926. 1,604,304

UNITED STATES PATENT OFFICE.

MINNE BEASLEY PERKANIS, OF HASKELL, OKLAHOMA.

STORE FURNITURE.

Application filed September 5, 1925. Serial No. 54,776.

This invention relates to store furniture and more particularly to a rotatable rack for goods vended from rolls as, for example, oil cloth.

An important object of the invention is to provide a device of this character, permitting ready insertion or removal of the roll and having means for supporting the rolls for preventing accidental unrolling thereof.

A further object of the invention is to produce a device of this character having a stationary knife structure for cutting the material and a mounting for the goods rolls such that they may be brought into alignment with this knife, as desired.

A further object of the invention is to provide a device of this character having a conveniently arranged means for measuring the material as it is drawn from the roll.

These and other objects I attain by the construction shown in the accompanying drawings, wherein for the purpose of illustration is shown a preferred embodiment of my invention and wherein:—

Figure 1 is a side elevation of a vending device constructed in accordance with my invention;

Figure 2 is a vertical sectional view therethrough;

Figure 3 is a transverse sectional view therethrough;

Figure 4 is a plan of one of the disks;

Figure 5 is a perspective view of one of the upper end sockets for the bolt rods;

Figure 6 is an enlarged detailed view showing the mounting of the movable knife;

Figure 7 is a perspective view of one of the brackets for the vertical brace rods.

Referring now more particularly to the drawings, the numeral 10 indicates a base from which extends upwardly a standard 11. Secured to this standard 11 are upper and lower end plates 12 and 13, each in the form of a disk having a flange 14 projecting toward the other of the disks and provided upon that face thereof confronting the other of the disks with a projecting annular ridge 15 forming a track. The disks 12 and 13 are secured in position by set-screws 16 extending through hub portions 17 thereof and engaging with the standard 11.

Arranged adjacent each disk and end member 12 and 13 and what might be termed the inner faces of these disks are the end plates 18 of a rotatable central structure, each end member 18 having upon the face thereof confronting the adjacent disk brackets 19 in which is mounted a grooved roller 20, the groove of which receives the track 15 of the associated disk 12 or 13. The end members 18 each have a central aperture 21 through which the support 11 passes. To the end members 18 are secured spaced L-shaped brackets 22, one arm of each of which is attached to the associated disk, the other arm of which has an opening 23. Corresponding brackets 22 of the upper and lower end members 18 are connected by brace rods 24 secured to the brackets by bolts 25 passing through the openings 23 and through corresponding openings formed in the brace member. Similar brackets and brace members may be arranged adjacent the outer edges of the end members for connecting the same, if so desired.

Arranged upon the lower end members of the rotating structure are a plurality of sockets 26 adapted to rotatably receive the lower ends of center rods 27 of the cloth rolls 28 which are to be supported. The upper end member has secured thereto sockets 29 similar to the sockets 26 with the exception of the fact that they have formed in their side walls slots 30 through which the upper ends of the rods 27 may be passed into the socket after the lower end of the rod has been engaged in the corresponding socket 26. Associated with each socket 29 is a flat spring 31 secured to the end member of the rotating structure and abutting the socket to yieldably close the slot 30 thereof and prevent escape of the rod. Secured to the inner supporting spacers 24, approximately midway of the length thereof, is an encircling band 32 to which, at intervals corresponding to the spacing of the pairs of sockets 26, 29, are fastened clip springs 33, each substantially U-shaped in form and each having the ends of the arms thereof rolled, as at 34, to prevent damaging engagement thereof with the goods.

Connecting the flanges 14 of the disks 12, 13 of the stationary structure is a stationary knife element 35 having a cutting edge 36 of a length slightly greater than the length of the material upon the rolls 27 and 28. The blade of this knife has mounted thereon a spring tape 37, the holder 38 of which is secured to the outer face of the knife. The tape element projects through the slot for engagement with the fingers. A movable knife structure 39 having a cutting edge 40

is preferably so constructed that it is at a slight angle to the cutting edge 36 of the stationary knife and this movable knife is supported from the flanges 14 by rollers 41 carried by the knife and having grooves 42 for receiving the opposed edges of the flange. The flanges of the upper and lower end disks 12 and 13 have secured thereto stop elements 43 limiting the movement of the movable knife toward and away from the stationary knife.

In the use of the device, the goods to be vended is placed in the rotatable structure by engaging the ends of the rods 27, first in the lower sockets 26 and then in the upper sockets 29, the springs 31 being flexed with the fingers to permit the upper ends of the rods to be passed into the openings. The goods of the roll 28 is held, when the rod is in position, by the embracing clip springs 33 and unrolling thereof thus prevented. With the goods in position, the inner rack may be rotated to display the goods and after the desired pattern has been selected, this pattern may be aligned with the stationary knife 35. The goods and the tape 37 are then simultaneously engaged with the fingers and the goods pulled from the roll until the desired yardage has been produced as evidenced by the tape. The movable knife is then brought into engagement with the goods by engagement of the hand with its handle 44 to sever the goods.

It will be seen that a device constructed in accordance with the foregoing may be readily and cheaply produced and very convenient in its operation. It will also be obvious that the construction thereof may be considerably altered without in any manner departing from the spirit of my invention and I accordingly do not limit myself to such specific structure except as hereinafter claimed.

I claim:—

1. In a vending device of the type described, co-axial stationary and rotary structures each including spaced end members, means for supporting cloth rolls between the spaced end members of the rotary structure, stationary and movable knives carried by the stationary structure and with which any of the cloth rolls supported by the rotatable structure are alignable, the end members of the stationary structure including opposed flanges, the ends of said movable knife structure having rollers engaging said flanges and stops upon said flanges limiting the movement of the movable knife element.

2. In a vending device of the type described, co-axial stationary and rotary structures each including spaced end members, means for supporting cloth rolls between the end members of the rotary structure, end members of the stationary structure being each provided with a flange directed toward the other of the end members, a stationary knife having its ends secured to said flanges, a movable knife for coaction with the stationary knife having rollers at its ends for engaging said flanges, and stops carried by the flanges for limiting movement of the movable knife toward and away from the stationary knife.

In testimony whereof I hereunto affix my signature.

MINNE B. PERKANIS.