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S. ZUCKER
ADHESIVE TAPE DISPENSER
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Fig-1

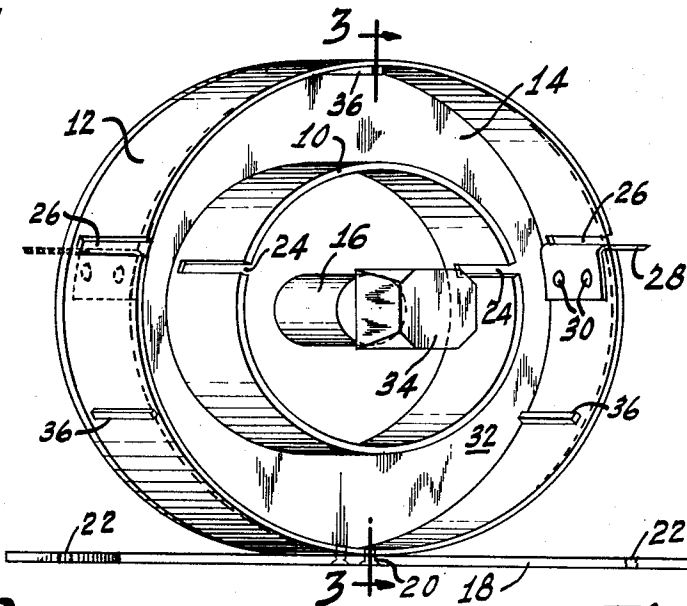


Fig-2

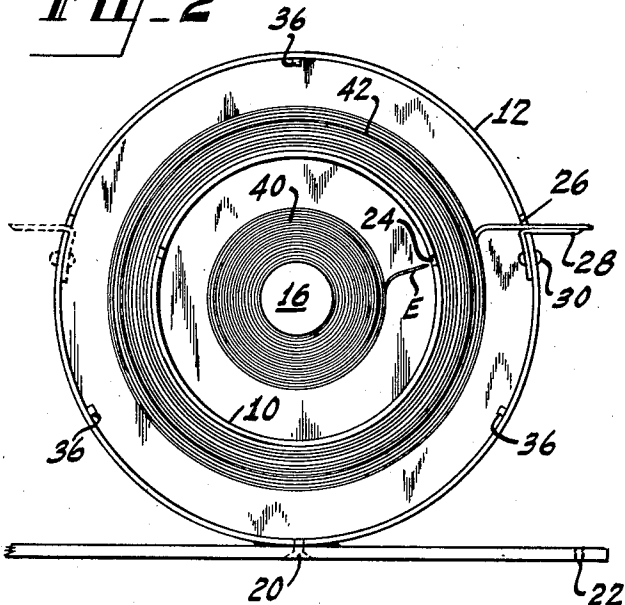
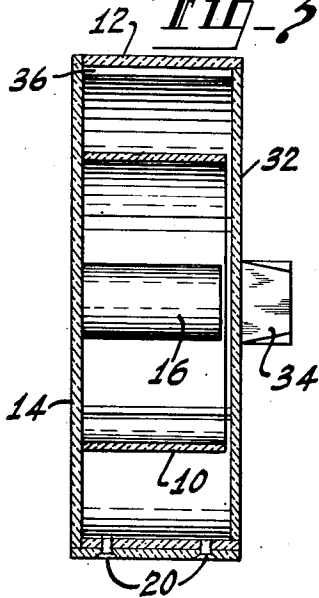


Fig-3



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ADHESIVE TAPE DISPENSER

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6 Claims. (Cl. 242—55.4)

This invention relates to a dispenser for pressure sensitive adhesive tape and particularly to a dispenser capable of accommodating rolls of tape of different diameters.

An object of the invention is to provide a novel, highly attractive and ornamental adhesive tape dispenser capable of accommodating rolls of adhesive tape having cores of different diameters.

Another object is to provide an adhesive tape dispenser especially suitable for use by a draftsman or artist and capable of being mounted upright or under a drawing table.

Still another object is to provide a sturdy transparent adhesive tape dispenser which is completely enclosed to prevent lint and dust from fouling the tape, yet easily loadable, and enables the user to ascertain at a glance the amount of tape within the dispenser.

Briefly stated, the tape dispenser of the invention comprises two circular ribbon-like strips of transparent material and of different diameters concentrically secured at corresponding edges as by cementing, to a flat, round, transparent disc of the same outside diameter as the large circular strip. A small substantially cylindrical post, is secured to the center of the flat disc and concentrically positioned relative to the larger circular transparent strips. Another similar flat, round, transparent disc of slightly different diameter from the first disc serves as a removable cover for the dispenser and fits over the other edges of the circular strips, preferably though not necessarily, within the larger circular strip. This cover disc is provided with a grasping surface, such as a knob, to enable its removal from the tape dispenser to permit loading the dispenser. The outer circular strip is fastened in any suitable manner, as by screws, to a base composed of a flat straight strip of approximately the same width as the outer circular strip. The base may be made of a transparent material and is adapted to be mounted on top, the side or the bottom of a drawing table. For this purpose, the base may be provided with screw holes near both ends, or in the alternative, the table may be provided with clamps for holding the base. The two circular strips are provided with slots to enable unwinding of the roll of tape from the dispenser as it is being used. The central small post which, if desired, may be replaced by a small circular strip, is adapted to support a small roll of tape, while the middle or intermediate positioned circular strip is adapted to support a larger roll of tape. Secured to the largest diameter outer circular strip at a location adjacent the slot therein is a flat serrated cutter which (1) permits the end of the tape to rest thereon when the tape is not being dispensed and (2) cuts the tape when the latter is pressed against the cutting edges.

A more detailed description of the invention follows, in conjunction with a drawing, wherein:

Fig. 1 is a perspective view of an embodiment of the tape dispenser of the invention;

Fig. 2 is a front elevation view of the dispenser of Fig. 1, with a portion of the base cut away, showing how the dispenser can accommodate rolls of adhesive tape of different diameters, it being understood that rolls of only one diameter can be used at any one time; and

Fig. 3 is a cross-section of the dispenser of Fig. 1 taken along the line 3—3.

Referring to the drawing in more detail, there is shown a completely covered dispenser suitable for dispensing pressure sensitive masking or cellophane tapes, and com-

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prising transparent circular strips 10 and 12 concentrically arranged and each cemented at one of its edges to a flat round transparent disc having the same diameter as the outer diameter of large circular strip 12. Also secured to the flat round disc 14 at its center in any suitable manner, is a round post 16 concentrically arranged relative to the surrounding circular strips 10 and 12. It should be understood that post 16 may if desired be replaced by a similar dimensioned circular strip. The circular strips 10, 12 and 16, together with the supporting flat round disc 14 constitute, in effect, the body of the dispenser. Outer circular strip 12 is fastened to a flat base 18, preferably also of transparent material, by means of two screws 20 which penetrate the base and the strip 12. The heads of the screws 20 are counter-sunk in the base, as shown. Base 18 is provided with holes 22 near opposite ends to enable the dispenser to be mounted on a wall or table, either upright, sideways, or base up.

The intermediate concentrically arranged circular strip 10 and the outer concentrically arranged circular strip 12 are provided with pairs of slots 24 and 26 respectively, positioned above the horizontal center line of these strips to enable the ends of rolls of adhesive tape to pass therethrough for unwinding purposes. The outer circular strip 12 is provided with a serrated transparent cutter 28 secured thereto near one of its slots, the particular slot chosen being the one through which the tape will pass. The cutter is fastened to the outer circular strip 12 by means of a pair of screws or pins 30. The dotted lines at the left of the circular strip 12 indicates an optional location of the cutter 28 if it is decided to pass the tape through the left slot rather than the right slot. To enable this to be done, there are provided two screw holes under each slot 26.

To keep the tape within the dispenser clean from dust and lint there is provided a transparent cover 32 made from a flat round disc and having a diameter equal to the inner diameter of the outer circular strip 12. This cover is provided with a finger grasping knob 34 at its center. Three small symmetrically spaced rods 36 (120° apart) are cemented to the interior of the outer circular strip 12 and serve as rests for the cover to prevent the cover from entering too far into the body of the dispenser.

In using the tape dispenser, either a small roll of tape 40 or a larger roll of tape 42, as shown in Fig. 2 can be used. Obviously, rolls of tape of only one particular diameter can be used at any one time. Tape 40 can have a one inch core for example, while tape 42 can have a three inch core. If the smaller roll is used, the end E thereof will pass through the right-hand slot in circular strip 10 and the right slot 26 in outer circular strip 12. In this case, the cutter 26 will be positioned adjacent the right-hand slot 26. If, however, the larger roll 42 is used, then the tape thereof is passed only through the slot 26 of the outer circular strip 12. Alternatively, the ends of the rolls of tape can pass through the left-hand slots, in which case the cutter will also be positioned adjacent the left slot 26. Although Fig. 2 shows only a single small diameter roll 40 of a predetermined width it should be understood that, if desired, two small rolls 40 of the same diameter but one-half the width can be accommodated on the same strip 16, in which case one such roll can be dispensed through the right-hand slots and the other such roll dispensed through the left-hand slots, and two cutters employed. A similar result can be achieved on the larger strip 10. Among the advantages of the invention are (1) the tape dispenser can be mounted upright or under a drawing tape, and enables the tape to be dispensed from either side of the dispenser, (2) the tape dispenser can accommodate rolls of different sizes, (3) the body of the tape dispenser is completely covered and prevents lint or dust from entering, and (4) the tape dispenser may be made transparent to enable the user at a glance to ascertain whether the dispenser is loaded, and if so, the amount of tape undispensed.

In one tape dispenser successfully built and used according to the invention, the following dimensions, given only by way of example, were used.

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Circular strip 12----- 6" inside diameter 1 1/4" deep,
wall thickness 1/8".
Circular strip 2----- 2 3/4" outside diameter 1" deep,
wall thickness 1/8".
Round disc 14----- 6 1/4" diameter thickness 1/8".
Post 16----- 3/4" outside diameter.
Rods 36----- 1 1/8" long.

All materials except the screws were made of transparent plastic material. The four slots in the two circular strips were in a straight line passing through center of the body but at a slant to the horizontal.

Although the tape dispenser has been described as being transparent to enable the user to ascertain at a glance whether the dispenser is loaded, and if so, the extent of tape undispensed, and to enhance its attractiveness, it should be understood that in the interest of economy, the dispenser can be made of an opaque plastic.

What is claimed is:

1. A transparent adhesive tape dispenser comprising a body composed of a flat disc back and secured thereto in concentric relation a small centrally positioned post, a circular transparent strip surrounding said post and spaced therefrom, and an outer circular transparent larger strip surrounding said first circular strip and spaced therefrom, both of said circular strips having aligned slots for permitting tape to pass therethrough, and a flat base secured to the outer circular strip.

2. A transparent tape dispenser in accordance with claim 1, including a transparent removable cover comprising a flat disc adapted to fit on the outer circular strip.

3. A tape dispenser in accordance with claim 1, including a serrated cutter adjacent the slot of the outer

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circular strip, and a removable cover in the form of a flat round disc having a diameter equal to the inner diameter of said outer circular strip, said cover having a knob.

4. A tape dispenser in accordance with claim 1, including slots on opposite sides of both of said circular strips, said outer circular strip having screw holes adjacent both of its slots for enabling a cutter to be fastened adjacent to either slot.

5. A transparent adhesive tape dispenser comprising a body composed of a flat disc back and secured thereto in concentric relation a small centrally positioned post, a circular transparent strip surrounding said post and spaced therefrom, and an outer circular transparent larger strip surrounding said first circular strip and spaced therefrom, both of said circular strips having aligned slots for permitting tape to pass therethrough, and a flat base secured to the outer circular strip by means of screws, said circular strips being cemented to said flat disc back, a serrated cutter adjacent the slot in the outer circular strip and a removable transparent cover in frictional engagement with said outer circular disc.

6. An adhesive tape dispenser comprising a body composed of a flat disc back and secured thereto in concentric relation a small centrally positioned support for a roll of tape, a circular strip surrounding said post and spaced therefrom, and an outer circular larger strip surrounding said first circular strip and spaced therefrom, both of said circular strips having aligned slots for permitting tape to pass therethrough, and a flat base secured to the outer circular strip.

No references cited.