

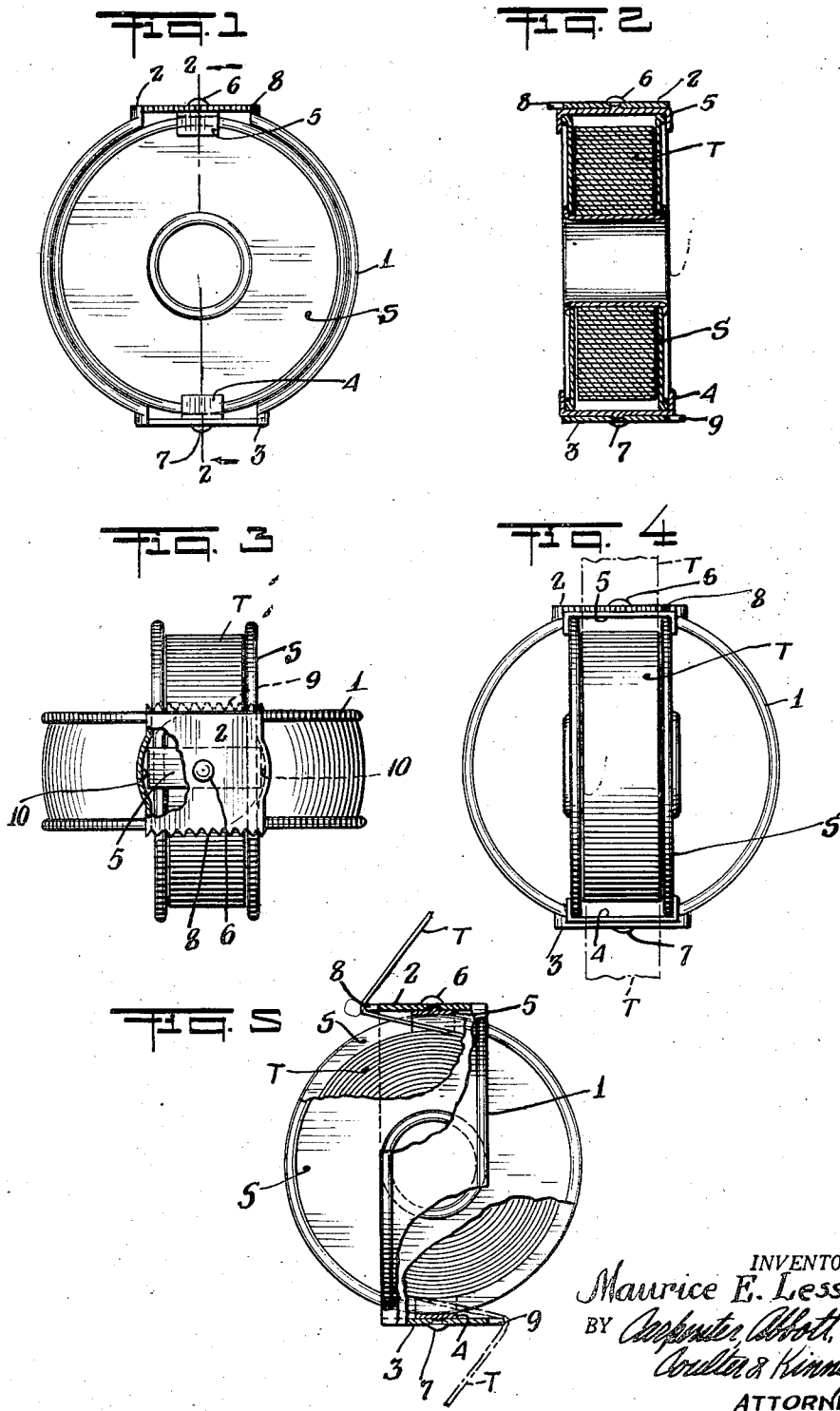
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ADHESIVE TAPE DISPENSER

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ADHESIVE TAPE DISPENSER

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2 Claims. (Cl. 206—58)

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This invention relates to adhesive tape supply spools or dispensers of the pocket type which substantially enclose and protect the tape except when it is being dispensed. It has among its objective the provision of such a dispenser which is a simplified unitary structure without separate covers or other parts to become lost, having its own attached severing means, and which may be employed to store and dispense pressure-sensitive adhesive tape (such as that sold under the trade-mark "Scotch").

The invention is exemplified by a device described hereinafter and illustrated in the accompanying drawing in which:

Figure 1 is a front elevation of the illustrative dispenser in closed position;

Figure 2 is a radial axial section taken on the line 2—2 in Figure 1.

Figures 3 and 4 are plan and front elevations, respectively, of the same dispenser in open position; and

Figure 5 is a side elevation of the dispenser in open position with certain parts broken away.

A flanged spool S adapted to receive and to hold rotatably a roll of tape T is positioned within a ring or hollow cylinder 1 concentrically therewith. At diametrically opposite edges of the spool, bridges 5 and 4, respectively, which span the spool's flanges are fixed thereto and hold pins 6 and 7 by which the spool is pivotally supported in the cylinder. At corresponding points opposite the bridges, the cylinder's circular wall is broken and the gaps are bridged by bearing plates 2 and 3, respectively, which have suitable apertures in which the pins 6 and 7 are journaled. The shoulders which occur at the juncture of the plates 2 and 3 with the circular walls of the cylinder 1, may be shaped, as at 10, to permit the bridges 5 and 4 to clear them when the spool S turns within the cylinder on its pins 6 and 7. The plates 2 and 3 have serrated edges forming tape cutting edges 8 and 9, respectively.

When in "closed position" (Figures 1 and 2) the spool S and the ring or cylinder 1 are concentric, and the ring and the flanges of the spool form a compact cylindrical container that encloses and protects the tape. When in "open

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position" (Figures 3, 4 and 5) with the radial cross sections of the spool and ring at approximate right angles to each other, tape may then be withdrawn from the spool and severed by drawing it against the cutting edges 8 or 9 as shown in Figure 5.

The spool and the bridges 5 and 4 may be held to each other by frictional engagement, in which case the flanges of the spool may be sprung together to permit temporary removal of the spool for mounting a fresh roll of tape therein.

I claim:

1. An adhesive tape dispenser comprising a spool for holding a supply roll of tape, a hollow cylinder into which the spool fits concentrically, bearing means for pivotally mounting the spool for rotation within the cylinder about an axis that is coincident with a common diameter of the spool and the cylinder, and a severing edge on the cylinder positioned to permit tape to be drawn thereagainst to sever the latter after its withdrawal from the spool when the spool and the cylinder are positioned with their radial cross sectional planes approximately at right angles to each other.

2. An adhesive tape dispenser comprising a flanged spool for holding a supply roll of tape, an enclosing cover therefor comprising a hollow cylinder of a length approximately equal to the axial length of the spool into which the spool fits concentrically, bearing means for pivotally mounting the spool for rotation within the cylinder about an axis that is coincident with a common diameter of the spool and the cylinder at the approximate midpoint of their axial length, the tape being enclosed by the spool's flanges and the cylinder when the spool and the cylinder are concentric in closed position and the tape being exposed in readiness for withdrawal when the spool and the cylinder are in open position with their radial cross sectional planes approximately at right angles to each other, and a severing edge adjacent an edge of the cylinder positioned to permit tape to be drawn thereagainst to sever the latter after its withdrawal from the spool when the spool and the cylinder are in open position.

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