Oct. 7, 1958 W. BEREZNY 2,854,682

LINT REMOVER AND PRESSURE SENSITIVE ADHESIVE TAPE DISPENSER

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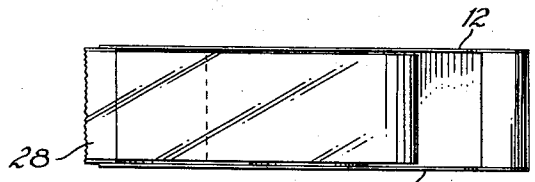


Fig. 2.

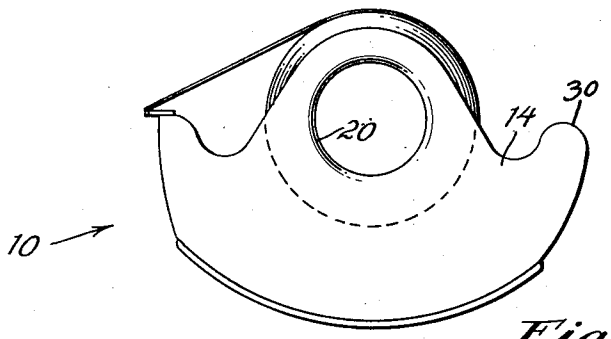
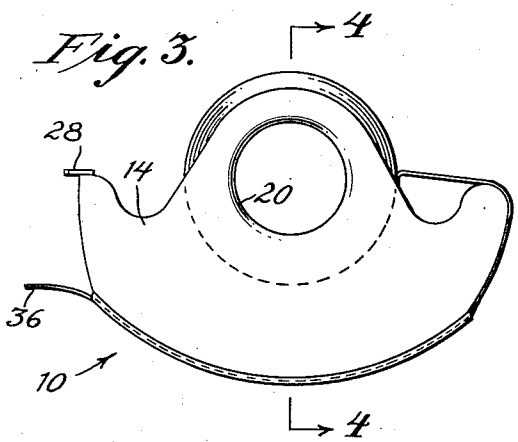


Fig. 1.

Fig. 3.



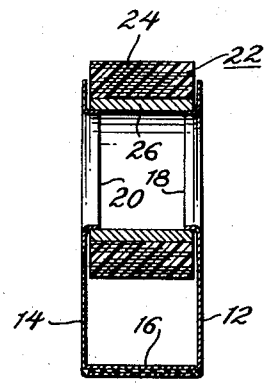


Fig. 4.

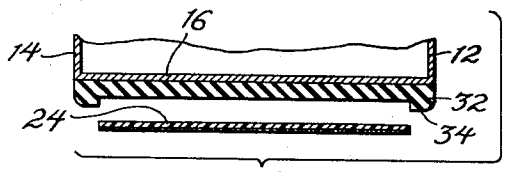


Fig. 5.

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LINT REMOVER AND PRESSURE SENSITIVE ADHESIVE TAPE DISPENSER

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3 Claims. (Cl. 15—104)

The present invention relates to a pressure sensitive adhesive tape holding and dispensing device suitable for use as a lint remover.

In recent years the popularity of pressure sensitive adhesive tapes, in particular, pressure sensitive cellophane tapes has risen to a very high level. One of the most valuable uses for pressure sensitive tapes is as a remover of lint and other particles, such as threads, animal hair and the like from clothes particularly worsteds, serge and other woolen materials and fabrics which attract and retain such particles by electrostatic forces.

This invention has as an object the provision of a tape dispenser and cleaning device which can be used optionally as either a tape dispenser or as a lint remover.

This invention has as a further object the provision of a tape dispenser having means for severing a length of pressure sensitive adhesive tape along a predetermined line.

This invention has as another object the provision of a tape dispenser and cleaning device of relatively simple construction, which can be produced economically to sell at a relatively low price.

This invention has as still another object the provision of a tape dispenser in which pressure-sensitive adhesive tape disposed in the form of a roll wound upon a core may be easily and readily removed and inserted into the dispenser.

For the purpose of illustrating the invention there is shown in the drawings a form which is presently preferred; it being understood, however, that this invention is not limited to the precise arrangements and instrumentalities shown.

Referring to the drawings wherein like reference characters refer to like parts:

Figure 1 is a side elevational view of one embodiment of the device of the present invention with the pressure sensitive adhesive tape carried by the device being disposed in tape dispensing disposition.

Figure 2 is a plan view of the embodiment shown in Figure 1.

Figure 3 is a side elevational view similar to that of Figure 1, but with the pressure sensitive adhesive tape carried by the device being disposed in lint-removing disposition.

Figure 4 is a section on line 4—4 of Figure 3.

Figure 5 is an enlarged detail of a portion of Figure 4 showing the pressure sensitive adhesive tape carried by the device of the present invention spaced from the lower part of the device in order to clearly reveal the operative interrelationship of the tape and device.

Referring to the drawings, **10** designates the pressure sensitive adhesive tape dispenser and lint remover device of the present invention. The tape dispenser and lint remover device **10** is preferably stamped from a single sheet metal strip, and includes side portions **12** and **14** joined together by an arcuately-shaped basal flange **16** that extends the full length of device **10**. Side portions

12 and **14** are provided with respective stamped inwardly projecting annular flanges **18** and **20**, which together act as spindles for a roll of pressure sensitive adhesive tape designated **22**.

As seen particularly in Figure 4, the roll **22** of pressure sensitive adhesive tape comprises a roll of cellophane tape **24** coated with a pressure sensitive adhesive, which roll **22** is wound around a hollow core **26**. Core **26** may be of plastic, metal or the like. Side portions **12** and **14** may be spread apart by manual force to permit removal and replacement of the roll **22** of cellophane tape **24**.

One end of the device **10** is provided with a severing edge portion **28** comprising a serrated platform or a platform having a plurality of sharp points or teeth (see in particular Figure 2). Severing edge portion **28** preferably comprises an extension of basal flange **16** folded back upon itself to form a rigid flat platform for the adhesive anchorage of tape **24** with the sharp points or teeth constructed and arranged for effecting the cutting of tape **24**.

The end of device **10** remote from severing edge portion **28** comprises a semi-circular or arcuate resting-surface **30**. The undermost or outer surface of basal flange **16** is provided with a track or channel **32** of rubber or like molded elastomeric material having raised outer guides or boundary walls **34**. The guides **34** direct the pressure sensitive tape **24** along the channel-surfaced basal flange **16** in the manner explained below.

The device **10** of the present invention may be used as a tape dispenser, the roll **22** of pressure sensitive adhesive tape **24** being carried between annular flanges **18** and **20** so that the adhesive-coated surface of the pressure sensitive adhesive tape **24** rests directly on the platform of severing edge portion **28**, the serrations or teeth in severing edge portion **28** serving to cut the pressure sensitive tape **24** along a predetermined line, so that strips of tape **24** of desired length may be obtained from roll **22**.

If it is desired that the device **10** be used as a cleaning device or lint remover, the tape **24** from roll **22** is not dispensed over severing edge portion **28**, but instead the direction of the tape is reversed through an angle of 180 degrees, and the tape **24** is drawn over resting-surface **30** and onto track **32**. The free end of the tape **24** designated **36** in Figure 3 is retained by the forefinger of the user either on the outer surface of basal flange **16** proximate severing edge portion **28**; or, if desired, the free edge **36** may be carried over the severing edge portion **28** and held by the forefinger of the user on the platform of severing edge portion **28**. When the pressure sensitive tape **24** is retained in this position, the gummed surface thereof may be employed to remove lint, animal hair, dust, and the like from clothing, or fabric surfaces, by dabbing or rocking the device **10** in contact with the clothing; the raised outer edges **34** of track **32** being of approximately the same height as the thickness of pressure sensitive adhesive tape **24**, so that a relatively smooth and continuous surface is presented to the clothing when the device **10** is used for cleaning.

After the device **10** has been used as a cleaning device, the tape **24** may be rewound onto roll **22**, and the device **10** used as a dispenser. The same tape previously used for cleaning purposes may be used as an adhesive or sealing agent, as normally the collection of a minor amount of lint, animal hair, dust, or the like on the undersurface of the pressure sensitive tape **24** does not prevent its subsequent use as an adhesive or sealing agent.

The present invention may be embodied in other specific forms without departing from the spirit or essential

attributes thereof and, accordingly, reference should be made to the appended claims, rather than to the foregoing specification as indicating the scope of the invention.

I claim:

1. A tape dispenser and lint remover comprising a pair of mirror image side members and a bridging floor member, said bridging floor member and the lowermost edges of said side members being generally arcuate, said side members at one end thereof having a generally semi-circular upper configuration, said bridging member extending intermediate said side members along the lowermost edges thereof and through a major portion of said semi-circular upper configuration forming a continuous bridge throughout its length, the other end of each of said side members being bridged by a cutting member having outwardly projecting teeth, the portion of said side members intermediate said serrated cutting member and semi-circular upper configuration being upright and having uppermost free edges for their entire length intermediate said serrated cutting member and said semi-circular configuration, the portions of said side members intermediate said serrated cutting member and said semi-circular upper configuration extending appreciably above both said cutting member and said semi-circular configuration, and a circular flange extending inwardly from each of said side members in the upper portions thereof for carrying a roll of pressure sensitive tape intermediate said side members.

2. A tape dispenser and lint remover in accordance with claim 1 having a track of elastomeric material secured to the underside of said bridging member, which track extends from a point spaced appreciably below said serrated cutting member to a point spaced appreciably below said semi-circular upper configuration.

3. A tape dispenser and lint remover in accordance with claim 2 having a roll of tape carried on a hollow core supported on the circular flanges between the side members, the free tape dispensed from said roll being dispensed from a position above both said serrated cutting member and said semi-circular upper configuration.

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