

Jan. 20, 1948.

P. VAN CLEEF ET AL

2,434,776

TAPE DISPENSER

Filed Jan. 30, 1946

3 Sheets-Sheet 1

Fig. 1

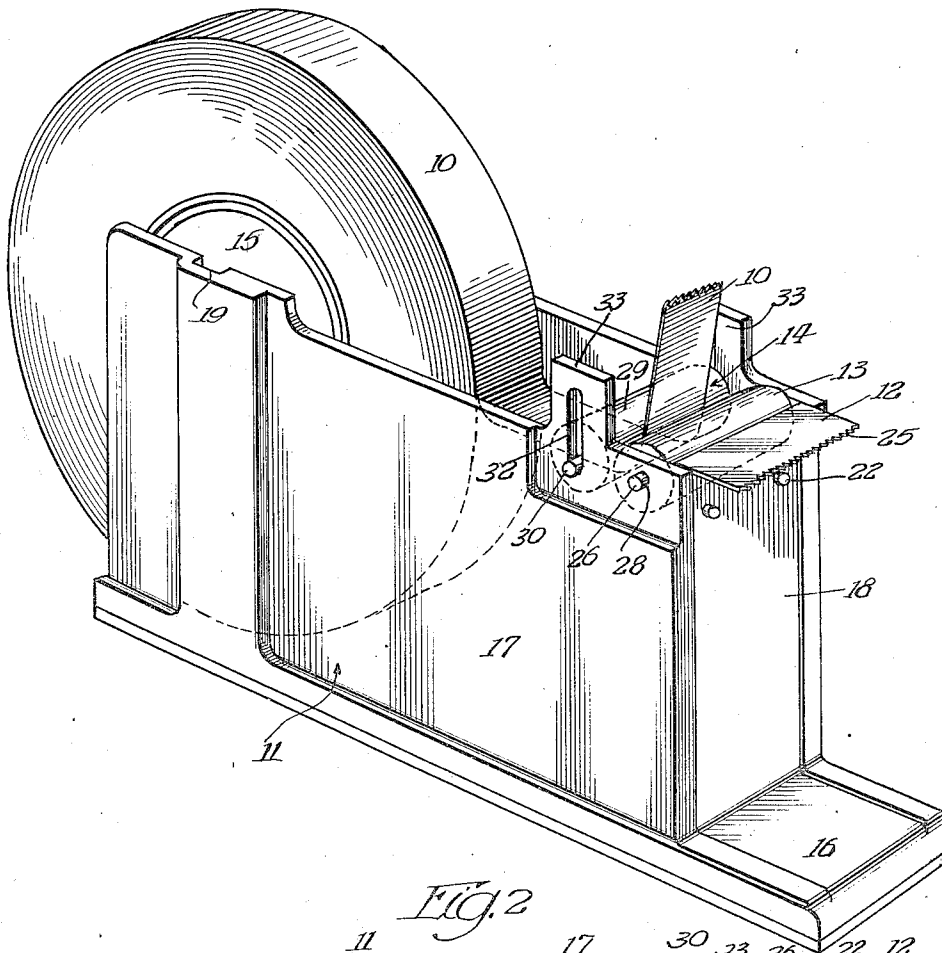
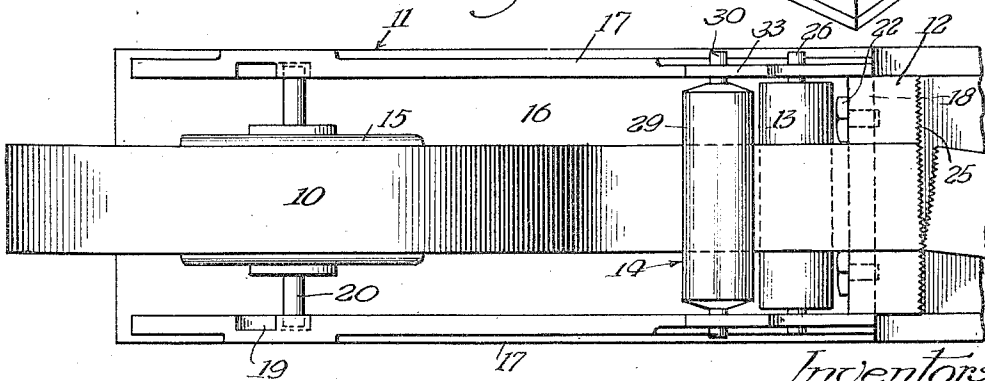


Fig. 2



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3 Sheets-Sheet 2

Fig. 3

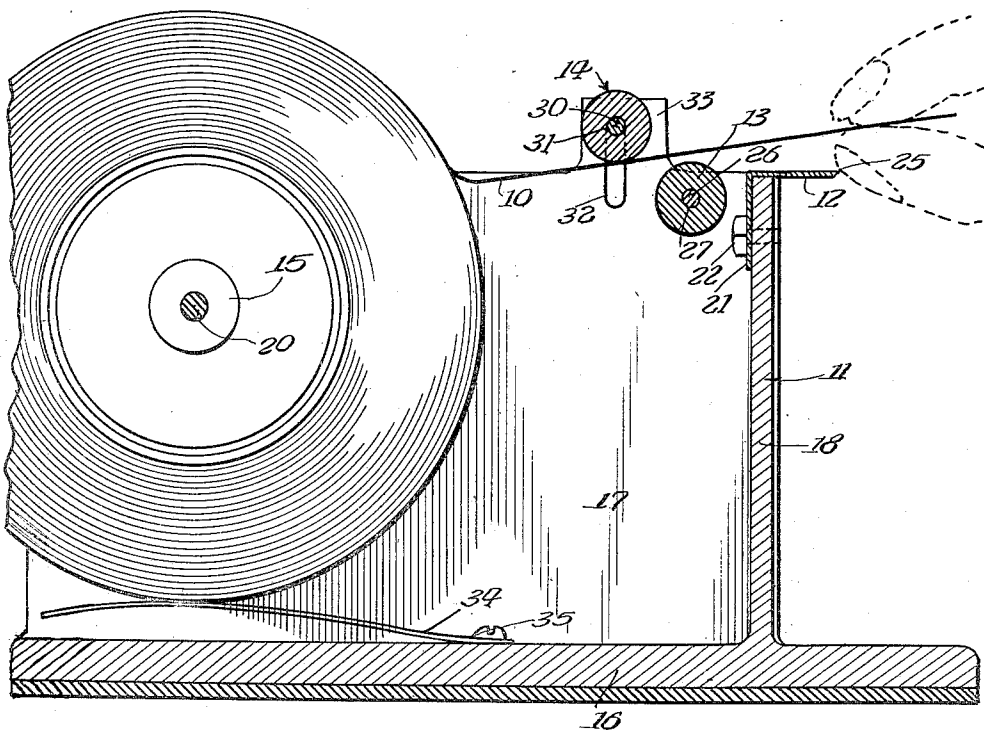


Fig. 4

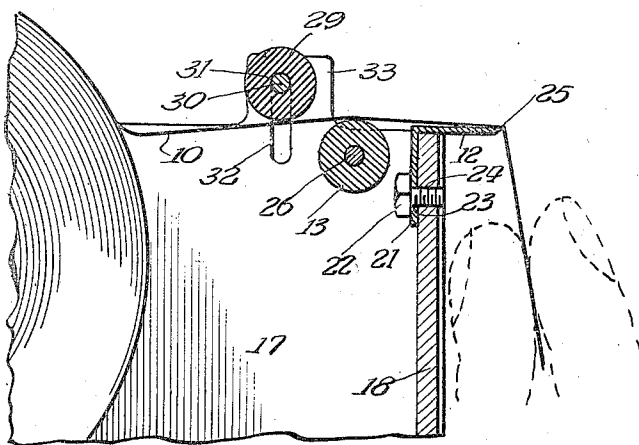
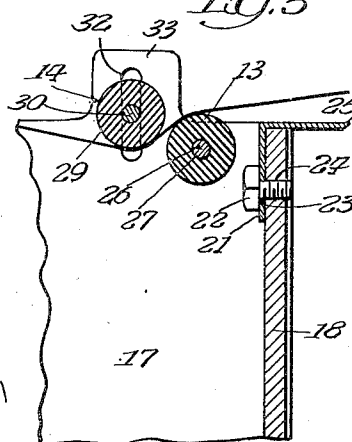


Fig. 5



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TAPE DISPENSER

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3 Sheets-Sheet 3

Fig. 6

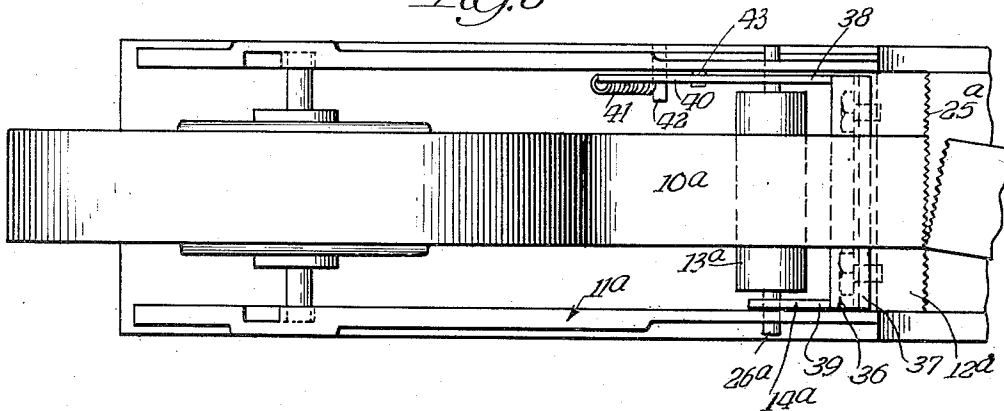


Fig. 7

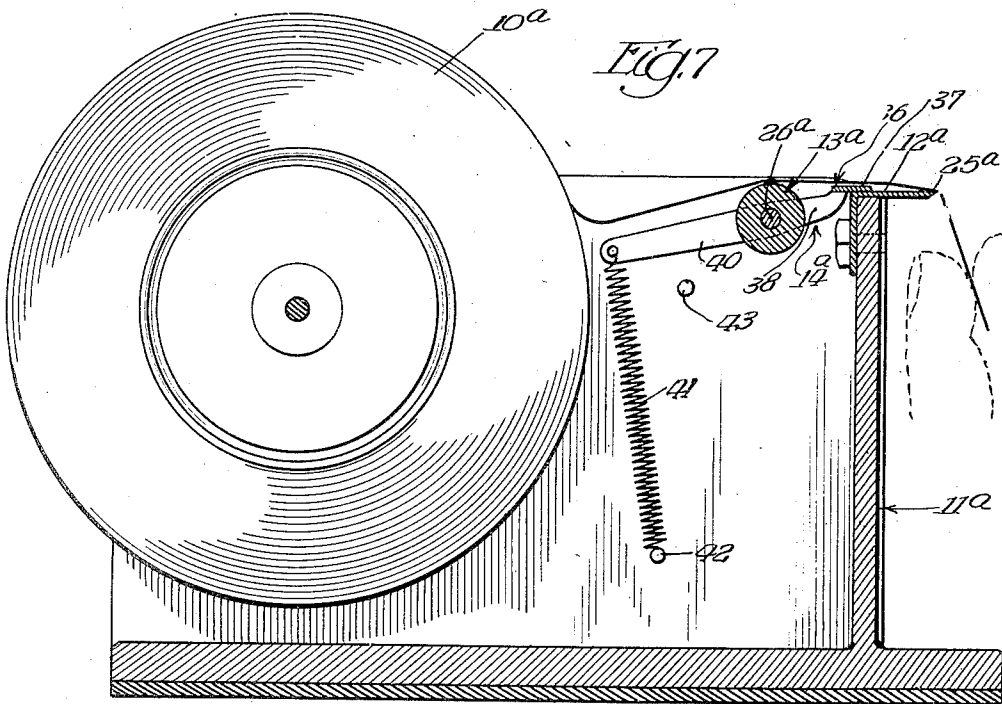
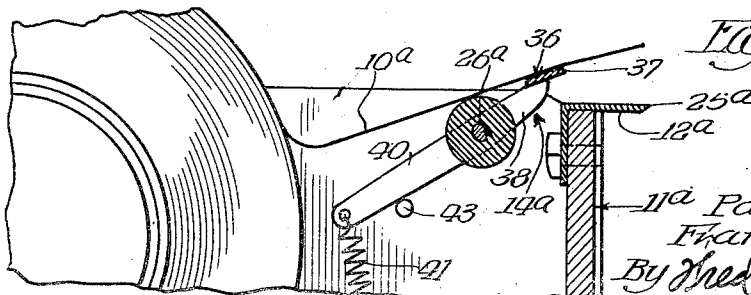


Fig. 8



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UNITED STATES PATENT OFFICE

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TAPE DISPENSER

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Application January 30, 1946, Serial No. 644,279

11 Claims. (Cl. 164—84.5)

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The present invention relates generally to tape dispensers. More particularly the invention relates to that type of dispenser which is expressly designed and adapted for use in handling a roll of tape of the variety that has an inner coating of permanently tacky or so-called pressure sensitive adhesive, and as its principal components or parts comprises: (1) a frame embodying a pair of parallel laterally spaced upstanding sides together with means for rotatably supporting the roll of tape between the sides; and (2) a platform which is located or positioned adjacent the sides of the frame and in alignment with the space between the frame sides and has adjacent its outer margin a cutting edge for cutting the tape into lengths as it is unwound from the roll.

When it is desired in connection with use of a tape dispenser of this type to sever a length of tape from the roll the outer end of the tape is pulled outwards a distance corresponding to the length of tape that is desired and then the inner end of the pulled length is brought into adhesively connected relation with the platform and is severed by pulling it downwards so that it is cut by the cutting edge adjacent the outer margin of the platform. When it is desired again to cut a length from the roll the outer end of the tape is removed from the platform and then pulled outwards, the last mentioned operation being followed by the steps or operations heretofore described. In practice it has been found that the work or effort incident to manual stripping or removal of the free or outer end of the tape from the platform each time a length of tape is severed from the roll renders use of the dispenser objectionable or difficult.

The primary object of the instant invention is to provide a tape dispenser of the type under consideration which is an improvement upon, and eliminates the defects of, or objections to, previously designed dispensers and is characterized by the fact that it includes means whereby the free end of the tape is automatically stripped or pulled away from the platform at the conclusion of each tape severing operation to the end that it is free and hence may be readily gripped by the user of the dispenser in connection with the next following tape severing operation.

Another object of the invention is to provide a tape dispenser of the last mentioned character in which the means for automatically stripping the free or outer end of the tape from the platform at the conclusion of each tape severing operation is essentially of simple design and con-

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struction and has associated with it a roller which is disposed adjacent the rear margin of the platform and serves to guide the tape over the platform as it is pulled from the roll in connection with a taper severing operation.

A further object of the invention is to provide a tape dispenser which is generally of new and improved construction, effectively and efficiently fulfills its intended purpose, and may be manufactured at a low and reasonable cost as well as operated with ease or facility.

Other objects of the invention and the various advantages and characteristics of the present tape dispenser will be apparent from a consideration of the following detailed description.

The invention consists in the several novel features which are hereinafter set forth and are more particularly defined by claims at the conclusion hereof.

In the drawings which accompany and form a part of this specification or disclosure and in which like numerals of reference denote corresponding parts throughout the several views:

Figure 1 is a perspective of a tape dispenser embodying one form of the invention;

Figure 2 is a plan view of the dispenser of Figure 1;

Figure 3 is a vertical longitudinal section of the dispenser of Figure 1, showing the tape being pulled from the roll and before the inner end of the pulled length is brought into adhesively connected relation with the platform directly prior to severance of the length by the cutting edge, and illustrating the manner in which the roller that is disposed adjacent the rear margin of the platform serves to guide the tape over the platform as it is pulled from the roll;

Figure 4 is a fragmentary vertical longitudinal section showing the tape after the inner end of the pulled length has been brought into adhesively connected relation with the platform directly prior to severance of the length from the roll by the cutting edge, and illustrating the position that is assumed by the vertically movable supplemental roller constituting the means for automatically stripping the free end of the tape from the platform before severance of the pulled length of the tape by the cutting edge;

Figure 5 is another fragmentary vertical longitudinal section illustrating in detail the manner in which the vertically movable supplemental roller moves downwards after severance of the pulled length of tape and coacts with the guide

roller automatically to strip the free end of the tape from the platform;

Figure 6 is a plan view of a tape dispenser embodying a second or modified form of the invention;

Figure 7 is a vertical longitudinal section of the dispenser of Figure 6; and

Figure 8 is a fragmentary vertical longitudinal section showing in detail the construction, arrangement and mode of operation of the automatic stripping means of the dispenser of Figure 6.

The dispenser which is shown in Figures 1 to 5, inclusive of the drawings constitutes one form or embodiment of the invention. It is expressly designed or adapted for use in handling or dispensing a roll of tape 10 and as its principal or essential component parts comprises a frame 11, a platform 12, a guide roller 13 and means 14 for automatically stripping the tape from the platform 12 as described hereafter more in detail. The tape 10 is wound on a ring shaped core 15 and is of that type or variety which has on its inner surface a coating of permanently tacky, pressure sensitive adhesive.

The frame 11 serves to house and also rotatably to support the roll of tape and comprises a bottom wall 16, a pair of parallel laterally spaced upstanding sides 17 and an upstanding front wall 18. It is preferably in the form of a one-piece casting in order that it is rigid. The sides 17 are jointed to, and project upwards from, the side margins of the bottom wall 16 and are spaced apart a distance slightly in excess of the width of the tape 10. They are adapted and designed to lap the sides of the roll of tape as best shown in Figures 1, 2 and 3 and have in the rear portions of the inner faces thereof opposed upwardly and rearwardly inclined grooves 19, the lower ends of which terminate adjacent the upper portions of the sides and form seats for supporting the ends of a horizontally extending spindle 20. The latter extends through the core 15 and functions rotatably to support the roll of tape 10. The upper ends of the grooves 19 are open in order that the spindle may be removed from the frame when it is desired to apply a new roll of tape to the spindle. In mounting the roll of tape on the frame the spindle 20 is first inserted through the core 15. Thereafter the ends of the spindle are brought into alignment with the upper ends of the grooves 19 and the spindle together with the roll is lowered until the ends of the spindle seat in the lower ends of the grooves. To remove the spindle it is only necessary to slide the latter upwards out of the two grooves. The front wall 18 of the frame 11 is joined to, and extends across the front margins of, the sides 17. The upper margin of the front wall and the upper margins of the frame sides are coplanar.

The platform 12 is located adjacent the upper end of the front wall 18 of the frame 11 and extends substantially horizontally. It is formed of any suitable metal and has the rear or inner margin thereof bent downwards at right angles to form a depending flange 21 which fits against the upper portion of the rear face of the front wall 18 and is secured in place by way of bolts 22. The latter extend through holes 23 in the flange 21 and fit within threaded sockets 24 in the upper portion of said front wall 18. The front or outer margin of the platform 12 is shaped to form a cutting edge 25 for severing the tape 10 into lengths or strips. When it is desired to sever

end of the tape is pulled outwards a distance corresponding to the length of tape that is desired and then the inner end of the pulled length is brought into adhesively connected relation with the platform and is severed by the cutting edge 25. Severance or cutting of the pulled length is effected by exerting downward pressure on the length so as to cause the edge 25 to cut through the inner end of the length. If desired, the cutting edge 25 may be in the form of a rectilinear series of V-shaped teeth as shown in Figures 1 and 2 of the drawings. In connection with severing of a length of the tape by the cutting edge 25 the portion of the tape that is directly inwards of the cutting edge is brought into adhesively connected relation with the top surface of the platform 12 as the pulled length of the tape is cut by the cutting edge 25. Preferably the platform 12 is flat and rests directly on the upper or top edge of the front wall 18 of the dispenser frame 11.

The guide roller 13 extends horizontally and is disposed between the front upper corners of the frame sides 17. It is mounted for free rotation on a shaft 26 which extends through a centrally disposed longitudinally extending open ended bore 27 in the roller 13 and has its ends mounted in aligned holes 28 in the front upper corners of the frame sides 17. As shown in the drawings the shaft 26 is so positioned that the upper portion of the guide roller 13 is located a slight distance above the upper surface of the platform 12. When the tape 10 is pulled forwards from the roll in connection with a severing or cutting operation the tape as it is pulled from the roll rides over and effects rotation of the guide roller 13. Rotation of the guide roller is occasioned by the fact that the roller is gripped by the adhesive on the inner face of the tape. The guide roller in connection with a tape pulling operation preparatory to severing a length of tape from the roll serves to guide the pulled tape over the platform 12. Because the upper portion of the guide roller is positioned a slight distance above the upper surface of the platform only a comparatively small portion of the outer end of the tape is adhesively connected to the platform after severing a length by the cutting edge 25.

The means 14 for automatically stripping the free or outer end of the tape from the platform 12 after severance of a length of the tape by the cutting edge 25 is in the form of a supplemental roller 29. This roller extends horizontally and is located directly behind the guide roller 13. It is vertically movable as shown in Figures 3, 4 and 5 and has as supporting means therefor a shaft 30. The latter extends through a centrally disposed longitudinally extending open ended bore 31 in the roller 29 and has its ends mounted in a pair of aligned vertically extending slots 32 in a pair of upstanding ears 33. Such ears are formed integrally with the front portions of the upper margins of the frame sides 17. The slots 32 permit the supplemental roller 29 to move down and up between a down position wherein it is disposed directly adjacent and in horizontal alignment with the guide roller 13 (see Figure 5) and an up position wherein it is disposed above the guide roller (see Figures 3 and 4). When the tape is pulled forwards preparatory to severing a length from the roll the supplemental roller 29, due to the tape becoming taut, is shifted upwards into its up position. In such position the supplemental roller 29 rolls or revolves freely as the tape is pulled from the roll. After the

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pulled length of the tape is severed by the cutting edge 25 as hereinbefore described, the supplemental roller, due to its weight and the action of gravity, moves downwards into its down position. In connection with initial downward shift of the supplemental roller into its down position the free end of the tape which in connection with a tape severing operation is brought into adhesively connected relation with the platform 12 is caused to be withdrawn out of adhesively connected relation with the platform. In connection with further and complete downward shift of the supplemental roller the portion of the outer end of the tape that is between the supplemental roller and the guide roller is swung upwards with the result that the outer extremity of the outer end of the tape is swung upwards into a position wherein it is completely free from the platform and is in readiness to be gripped by the user of the dispenser in connection with the next following or succeeding tape severing operation. During the last part of down shift of the supplemental roller into its down position the guide roller 13 is caused to rotate in a counterclockwise direction as viewed in Figures 1 to 5 and forms a central fulcrum whereby the free or outer end of the tape is caused to swing upwards away from the platform 12. A leaf spring 34 is mounted on the bottom wall 18 of the dispenser frame 11 and is applied to the roll of tape so that it places a drag thereon tending to retard rotation of the roll with respect to the frame. One end of this leaf spring is anchored or attached to the central portion of the upper face of the frame bottom wall by way of a rivet 35. The other end of the leaf spring is free and bears against the bottom portion of the tape roll. The leaf spring is arranged so that it extends lengthwise of the frame and causes the free end thereof to engage the bottom portion of the roll with upward pressure. The supplemental roller 29 is preferably formed of comparatively heavy metal in order that it is capable in response to its weight and the action of gravity automatically to strip the free end of the tape from the platform 12 after a tape severing operation.

When it is desired to sever a length of tape 10 from the roller the free or outer end of the tape is gripped and then pulled forwards a distance corresponding to the length of tape that is desired. In connection with forward pulling of the tape the supplemental roller 29 moves bodily upwards into its up position, as previously pointed out, and the tape is guided over the platform 12 by the guide roller 13. After the desired length of tape has been pulled from the roll the length is severed by urging it downwards so as to effect cutting thereof by the cutting edge 25. As soon as the length of tape is severed and resultantly there is no longer a forward pull on the remaining tape the supplemental roller 29, due to its weight and the action of gravity, moves bodily downwards into its down position. During such movement the free or outer end of the tape is stripped from the platform and is swung upwards as heretofore pointed out. By reason of the fact that the free end of the tape is stripped from the platform and swung upwards away from the latter at the conclusion of each tape cutting operation it is automatically so positioned that it is in readiness readily to be gripped in connection with the succeeding or next ensuing tape severing operation.

The tape dispenser which is shown in Figures

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1 to 5, inclusive, may be operated with ease or facility because of the fact that it includes the supplemental roller 29 whereby the free end of the tape is automatically stripped or pulled away from the platform 12 at the conclusion of each tape severing operation. It is essentially simple in construction and hence may be produced at a low and reasonable cost.

The dispenser which is shown in Figures 6 to 8, inclusive of the drawings constitutes another or modified embodiment of the invention. It is adapted to dispense a roll of tape 10a having on its inner surface a coating of permanently tacky pressure sensitive adhesive and comprises as its principal parts a frame 11a, a platform 12a, a guide roller 13a and means 14a for automatically stripping the outer or free end of the tape from the platform 12a at the conclusion of each tape severing operation. The frame 11a, the platform 12a and the guide roller 13a are constructed similarly to, and serve the same purpose as, the corresponding parts of the dispenser of Figures 1 to 5, inclusive. The platform 12a is mounted on the upper end of the front wall of the frame 11a and embodies at its front or outer margin a cutting edge 25a. The guide roller 13a is located a small distance behind the platform 12a and is mounted for free rotary motion on a shaft 26a. The latter is so supported that the upper portion of the guide roller is disposed a slight distance above the upper surface of the platform 12a.

The automatic stripping means 14a serves the same purpose as, but functions and is constructed differently than, the automatic stripping means 14 of the dispenser of Figures 1 to 5, inclusive. It is associated and coacts with the guide roller 13a behind the platform 12a and comprises a U-shaped member 36. The latter consists of a crosspiece 37 and a pair of side pieces 38 and 39. The crosspiece 37 of the U-shaped member 36 is flat as best shown in Figure 7, and is mounted on, and carried by, the side pieces 38 and 39 so that it is free to swing back and forth between a down position wherein the outer marginal portion thereof overlies and extends lengthwise of the rear margin of the platform 12a (see Figure 7) and an up position wherein it is disposed upwards and rearwards of the platform, as shown in Figure 8. The side pieces 38 and 39 of the U-shaped member 36 are connected to, and project rearwards from, the ends of the crosspiece 37 and have at the rear ends thereof holes through which the ends of the shaft 26a extend loosely. The shaft supports the U-shaped member 36 so that it is free to swing vertically in order to bring the crosspiece 37 into its down and up positions. The U-shaped member is urged upwards by way of an arm 40 and a spiral tension spring 41. The arm 40 is connected rigidly to, and projects rearwards from, the rear end of the side piece 38 and is located adjacent the inner face of one of the upstanding sides of the dispenser frame 11a. The spring 41 extends vertically and is disposed between the frame sides. The upper end of the spring is anchored to the rear end of the arm 40 and the lower end of the spring is connected to a pin 42. The spring is so loaded and applied that it urges the U-shaped member 36 upwards away from the platform 12a. A pin 43 underlies the arm 40 and coacts therewith to limit upward swinging of the U-shaped member 36. Such pin is fixedly connected to, and projects inwards from, the frame side wall adjacent which the arm 40 is disposed.

When the free end of the tape is pulled forwards in connection with a cutting or severing of a length from the roll 10a the pulled length rides over and is guided by the guide roller 13a and swings the U-shaped member 36 into its down position against the force of the tension spring 41, as shown in Figure 7. In connection with initial or partial cutting of the length by the cutting edge 25a the portion of the tape that is directly inwards of the cutting edge is caused to adhere to the front margin of the platform 12a. As soon as the cutting operation is completed and the tension on the free connected end of the tape is thereby released the U-shaped member 36 swings upwards in response to the action or force of the tension spring 41 and thus causes the free end of the tape to be stripped or freed from the platform 12a. In view of the fact that the cross-piece 37 of the U-shaped member is disposed an appreciable distance rearwards of the cutting edge 25a the outer extremity of the free end of the tape is exposed after the automatic stripping operation and hence may be readily gripped by the user of the dispenser in connection with the next following tape severing operation. In connection with upward swing of the U-shaped member the portion of the free end of the tape that is inwards of the outer end extremity fulcrums about the guide roller 26a by reason of the fact that such portion is in adhesively connected relation with the guide roller. When the free end of the tape is pulled outwards in connection with the next following or succeeding tape severing operation initial pull on the tape results in disengagement or disconnection of the crosspiece 37 of the U-shaped member 36 from the adhesive coating on the adjacent or inner surface of the tape. It is contemplated that during outward pulling of the tape the tape will at all times ride over the guide roller 13a and the portion of the tape that is in direct contact with the roller will be adhesively connected to the roller.

The tape dispenser of Figures 6 to 8, inclusive, of the drawings differs from that of Figures 1 to 5, inclusive, in that the automatic stripping means is applied to the free end of the tape at a point between the platform and the guide roller and urges the adjacent portion of the tape upwards. In the tape dispenser of Figures 1 to 5, inclusive, the automatic stripping means, instead of being so applied is applied at a point behind the guide roller and urges the tape downwards. Both automatic stripping means, however, serve the same purpose in that each operates automatically to disengage the free end of the tape from the platform directly after severance of a length of the tape by the cutting edge on the front portion of the platform. The tape dispenser of Figures 6 to 8, like that of Figures 1 to 5, is essentially simple in design and may be used with extreme facility because it includes the automatic stripping means 14a.

The invention is not to be understood as restricted to the details set forth since these may be modified within the scope of the appended claims without departing from the spirit and scope of the invention.

Having thus described the invention what we claim as new and desire to secure by Letters Patent is:

1. A device adapted for use in dispensing a roll of tape of the type that has a coating of permanently tacky pressure sensitive adhesive, and comprising means for rotatably supporting the roll, a tape cutting instrumentality positioned in

alignment and spaced relation with the roll, a guide roller disposed behind the cutting instrumentality and adapted when a length of tape is pulled from the roll preparatory to severing it by said cutting instrumentality to have the length travel over it with the adhesive coating in contact therewith, and means arranged to coast with the roller and operative automatically after severance of the pulled length by the cutting instrumentality to swing the portion of the tape between the cutting instrumentality and the roller away from said instrumentality into a position wherein it may be readily gripped in connection with the next following tape severing operation.

2. A device adapted for use in dispensing a roll of tape of the type that has a coating of permanently tacky pressure sensitive adhesive, and comprising means for rotatably supporting the roll, a tape cutting instrumentality positioned in alignment and spaced relation with the roll, a guide roller disposed behind the cutting instrumentality and adapted when a length of tape is pulled from the roll preparatory to severing it by said cutting instrumentality to have the length travel over it with the adhesive coating in contact therewith, and means behind the guide roller for exerting such transverse pressure on the portion of the tape between the roller and the roll that after severance of the length by the cutting instrumentality the portion of the tape between the cutting instrumentality and the roller is caused automatically to swing away from said cutting instrumentality into a position wherein it may be readily gripped in connection with the next following severing operation.

3. A device adapted for use in dispensing a roll of tape of the type that has a coating of permanently tacky pressure sensitive adhesive, and comprising means for rotatably supporting the roll, a tape cutting instrumentality positioned in alignment and spaced relation with the roll, a guide roller disposed behind the cutting instrumentality and adapted when a length of tape is pulled from the roll preparatory to severing it by said cutting instrumentality to have the length travel over it with the adhesive coating in contact therewith, and means between the cutting instrumentality and the guide roller for exerting such transverse pressure on the adjacent portion of the tape that after a tape severing operation said portion is caused automatically to swing away from the instrumentality into a position wherein it may be readily gripped in connection with the next following tape severing operation.

4. A device adapted for use in dispensing a roll of tape of the type that has a coating of permanently tacky pressure sensitive adhesive, and comprising means for rotatably supporting the roll, a platform positioned in alignment with the roll, having a tape cutting instrumentality associated therewith and located forwards thereof, and adapted when a length of tape is pulled from the roll preparatory to severing it by the cutting instrumentality to have the portion of the tape directly rearwards of the inner end of the length brought into adhesively connected relation with it, a guide roller spaced behind the platform and adapted in connection with pulling of the length from the roll to have the length travel over it with the adhesive coating in contact therewith, and means coacting with the roller and operative automatically after severance of the pulled length by the cutting instrumentality to strip said portion of the tape from the platform and swing it into a position wherein it may be readily gripped

in connection with the next following tape severing operation.

5. A device adapted for use in dispensing a roll of tape of the type that has on its inner side a coating of permanently tacky pressure sensitive adhesive, and comprising a frame embodying a pair of laterally spaced upstanding sides together with means for rotatably supporting the roll between the sides, a substantially horizontal platform spaced from the roll and positioned in alignment with the space between the frame sides, having a tape cutting edge adjacent its outer margin, and adapted when a length of tape is pulled from the roll preparatory to severing it by the cutting edge to have the portion of the tape directly inwards of the inner end of the length brought into adhesively connected relation with it, a guide roller spaced behind the platform and adapted in connection with pulling of the length from the roll to have the length travel over it with the adhesive coating in contact therewith, and yieldable means behind the guide roller for exerting such down pressure on the portion of the tape between the roller and the roll that after severance of the length by the cutting edge the first mentioned portion of the tape is caused automatically to swing upwards away from the platform into a position wherein it may be readily grasped in connection with the next following tape severing operation.

6. A device adapted for use in dispensing a roll of tape of the type that has on its inner side a coating of permanently tacky pressure sensitive adhesive, and comprising a frame embodying a pair of laterally spaced upstanding sides together with means for rotatably supporting the roll between the sides, a substantially horizontal platform spaced from the roll and positioned in alignment with the space between the frame sides, having a tape cutting edge adjacent its outer margin, and adapted when a length of tape is pulled from the roll preparatory to severing it by the cutting edge to have the portion of the tape directly inwards of the inner end of the length brought into adhesively connected relation with it, a guide roller spaced behind the platform and adapted in connection with pulling of the length from the roll to have the length travel over it with the adhesive coating in contact therewith, and yieldable means in front of the guide roller for exerting such upward pressure on the adjacent portion of the tape that after a tape severing operation said first mentioned portion is caused automatically to swing upwards away from the platform into a position wherein it may be readily gripped in connection with the next following tape severing operation.

7. A device adapted for use in dispensing a roll of tape of the type that has on its inner side a coating of permanently tacky pressure sensitive adhesive, and comprising a frame embodying a pair of laterally spaced upstanding sides together with means for rotatably supporting the roll between the sides, a substantially horizontal platform spaced from the roll and positioned in alignment with the space between the frame sides, having a tape cutting edge adjacent its outer margin, and adapted when a length of tape is pulled from the roll preparatory to severing it by the cutting edge to have the portion of the tape directly inwards of the inner end of the length brought into adhesively connected relation with it, a guide roller spaced behind the platform and adapted in connection with pulling of the length from the roll to have the length travel

over it with the adhesive coating in contact therewith, and means behind the guide roller for exerting such down pressure on the portion of the tape between the roller and the roll that after severance of the length by the cutting edge the first mentioned portion of the tape is caused automatically to swing upwards away from the platform into a position wherein it may be readily grasped in connection with the next following tape severing operation, said pressure means embodying a comparatively heavy supplemental roller mounted so that it is free to move vertically and arranged so that the bottom portion thereof rests on said portion of the tape between the guide roller and the roll.

8. A device adapted for use in dispensing a roll of tape of the type that has on its inner side a coating of permanently tacky pressure sensitive adhesive, and comprising a frame embodying a pair of laterally spaced upstanding sides together with means for rotatably supporting the roll between the sides, a substantially horizontal platform spaced from the roll and positioned in alignment with the space between the frame sides, having a tape cutting edge adjacent its outer margin, and adapted when a length of tape is pulled from the roll preparatory to severing it by the cutting edge to have the portion of the tape directly inwards of the inner end of the length brought into adhesively connected relation with it, a guide roller spaced behind the platform and adapted in connection with pulling of the length from the roll to have the length travel over it with the adhesive coating in contact therewith, and means in front of the guide roller for exerting such upward pressure on the adjacent portion of the tape that after a tape severing operation said first mentioned portion is caused automatically to swing upwards away from the platform into a position wherein it may be readily gripped in connection with the next following tape severing operation, said last mentioned means embodying a stripper member located adjacent the platform, provided with a crosspiece extending at right angles to the tape, and mounted so that it is movable back and forth between a down position wherein the crosspiece is disposed adjacent the rear margin of the platform and an up position wherein the crosspiece is disposed above the platform, and in addition a spring for urging the member into its up position.

9. A device adapted for use in dispensing a roll of tape of the type that has on its inner side a coating of permanently tacky pressure sensitive adhesive, and comprising a frame embodying a pair of laterally spaced upstanding sides together with means for rotatably supporting the roll between the sides, a substantially horizontal platform spaced from the roll and positioned in alignment with the space between the frame sides, having a tape cutting edge adjacent its outer margin, and adapted when a length of tape is pulled from the roll preparatory to severing it by the cutting edge to have the portion of the tape directly inwards of the inner end of the length brought into adhesively connected relation with it, a guide roller spaced behind the platform and adapted in connection with pulling of the length from the roll to have the length travel over it with the adhesive coating in contact therewith, and means in front of the guide roller for exerting such upward pressure on the adjacent portion of the tape that after a tape severing operation said first mentioned portion is caused automatically to swing upwards away from the platform

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into a position wherein it may be readily gripped in connection with the next following tape severing operation, said last mentioned means consisting of a U-shaped stripper member located adjacent the platform and having the free ends of its side pieces so pivotally mounted that it is capable of being swung back and forth between a down position wherein the crosspiece thereof rests on the rear margin of the platform and an up position wherein said crosspiece is disposed above the platform, and in addition a spring applied to the member so as to urge it into its up position.

10. A device adapted for use in dispensing a roll of tape of the type that has a coating of permanently tacky pressure sensitive adhesive, and comprising means for rotatably supporting the roll, a tape cutting instrumentality positioned in alignment and spaced relation with the roll, a guide roller disposed behind the cutting instrumentality and adapted when a length of tape is pulled from the roll preparatory to severing it by said cutting instrumentality to have the length travel over it with the adhesive coating in contact therewith, and gravity actuated means arranged to coact with the roller and operative automatically after severance of the pulled length by the cutting instrumentality to swing the portion of the tape between the cutting instrumentality and the roller away from said instrumentality into a position wherein it may be readily gripped in connection with the next following tape severing operation.

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11. A device adapted for use in dispensing a roll of tape of the type that has a coating of permanently tacky pressure sensitive adhesive, and comprising means for rotatably supporting the roll, a tape cutting instrumentality positioned in alignment and spaced relation with the roll, a guide roller disposed behind the cutting instrumentality and adapted when a length of tape is pulled from the roll preparatory to severing it by said cutting instrumentality to have the length travel over it with the adhesive coating in contact therewith, and spring loaded means arranged to coact with the roller and operative automatically after severance of the pulled length by the cutting instrumentality to swing the portion of the tape between the cutting instrumentality and the roller away from said instrumentality into a position wherein it may be readily gripped in connection with the next following tape severing operation.

PAUL VAN CLEEF.
FRANK CHONACKI.

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