

April 5, 1960

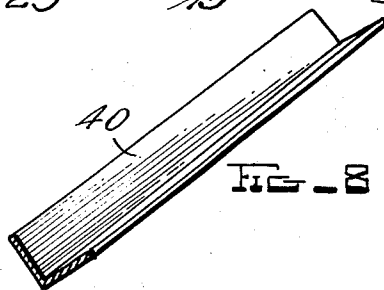
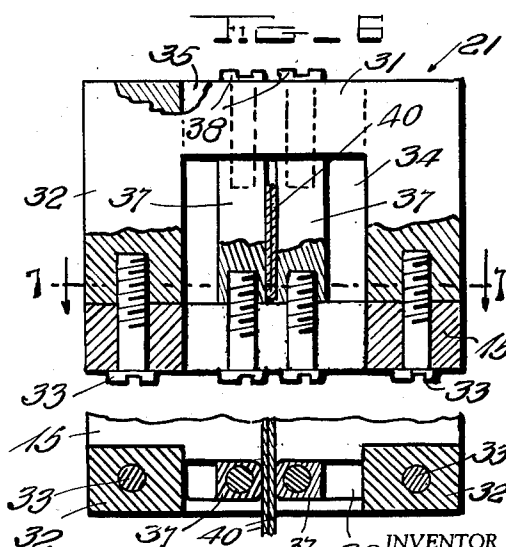
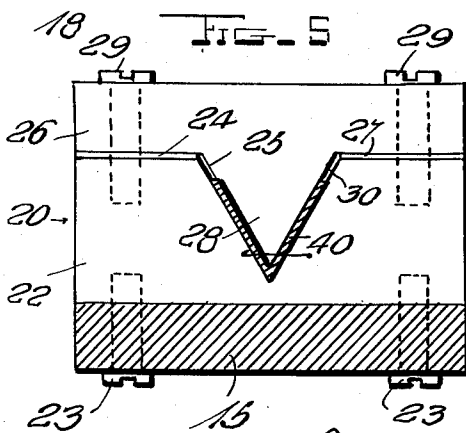
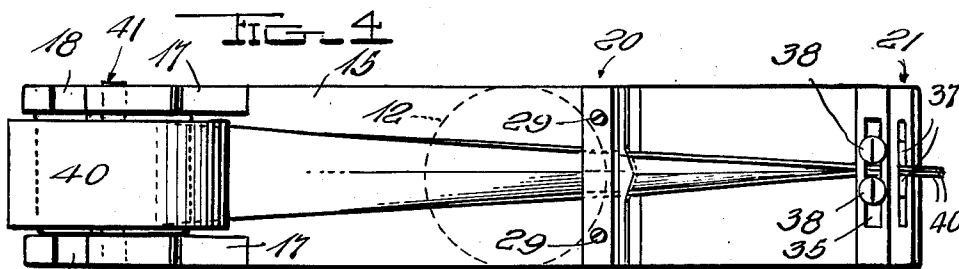
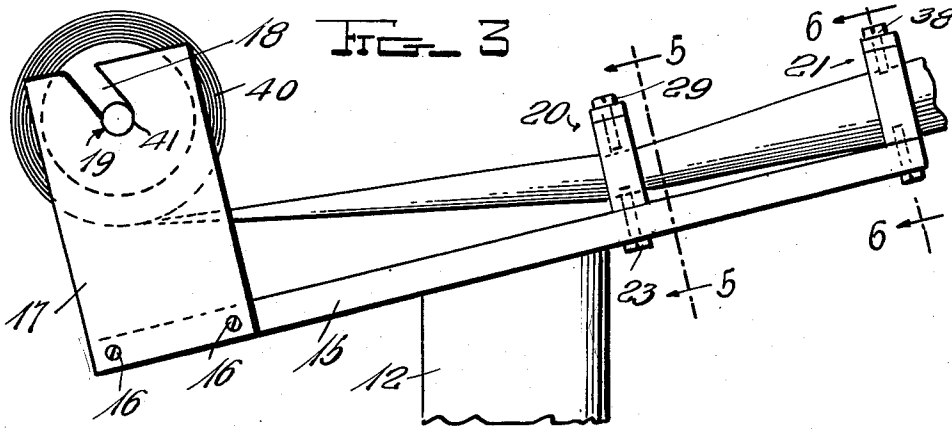
C. B. GILLIAN

2,931,645

TAPE HOLDER AND DISPENSER

Filed May 21, 1957

2 Sheets-Sheet 2



INVENTOR
COUNCIL B. GILLIAN,
BY *Felix A. Russell*
ATTORNEY

1

2,931,645

TAPE HOLDER AND DISPENSER

Council B. Gillian, Pasadena, Md.

Application May 21, 1957, Serial No. 660,676

1 Claim. (Cl. 270—86)

The present invention relates to a tape holder and dispenser and it consists in the combinations, constructions and arrangements of parts herein described and claimed.

Generally there is provided a unitary and compact device which is adapted to be placed upon a table, bench or the like and which consists of a relatively heavy base from which is pivotally mounted a vertical standard atop which is mounted a slanting platform. Upon one end of the platform there is provided a bracket for holding a roll of tape to be dispensed and upon the other end portion of the platform there is mounted a pair of novel devices one of which is designed to partially fold the tape as it passes from the roll of tape and the other of which is designed to crease the partially folded tape so that it emerges from the device in condition for application immediately to the corner portions of walls which are adjacent. The device is such that as the tape is manually pulled from the same, it is automatically placed in condition for mounting upon the adjacent corner portions of a wall and at the same time is adapted to pivot to a new direction merely by the force exerted by the operator in pulling the tape as he moves from one position in a room to another. The device contains several novel features which will be pointed out hereinbelow.

It is accordingly an object of the invention to provide a novel tape folder and dispenser.

Another object of the invention is to provide a device of the character set forth which is simple in construction, inexpensive to manufacture and yet effective and efficient in use.

A further object of the invention is to provide, in a device of the character set forth, a novel revoluble mounting forming part of the invention.

Still another object of the invention is to provide, in a device of the character set forth, novel means for longitudinally folding a tape as it emerges from a roll of tape.

A further object of the invention is to provide, in a device of the character set forth, a novel creasing mechanism forming a part of the invention.

A still further object of the invention is to provide, in a device of the character set forth, a novel platform forming a part of the invention.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawings, in which:

Figure 1 is a side elevational view, partly broken away, of an embodiment of the invention,

Figure 2 is a plan view thereof,

Figure 3 is a fragmentary view similar to Figure 1 but showing a tape mounted therein,

Figure 4 is a plan view of Figure 3,

Figure 5 is an enlarged sectional view taken along line 5—5 of Figure 3,

Figure 6 is an enlarged sectional view taken substantially along line 6—6 of Figure 3 showing certain portions thereof in elevation,

Figure 7 is a fragmentary sectional view taken along line 7—7 of Figure 6, and

2

Figure 8 is a perspective view of a piece of tape after it has passed from the device of the present invention.

Referring more particularly to the drawings, there is shown therein a tape holder and dispenser comprising a circular base 10, preferably formed of relatively heavy metal such as, for example, steel or the like and which is centrally provided with an upstanding pin 11. A vertical standard 12 preferably and as shown circular in cross sectional area is provided at its lower end with an out-standing flange 13 which is adapted to rest upon the base 10. The standard 12 is also centrally provided at its lower end portion with an opening 14 for the reception of the pin 11.

The upper end of the standard 12 is cut on a plane other than horizontal and has substantially centrally affixed thereon an elongated platform 15 which, due to the non-horizontal upper surface of the standard 12, will extend angularly with relation to the base 10.

Affixed to either side of the lower end portions of the platform 15 as by screws 16 or the like is a pair of spaced parallel upstanding ears 17 each of which is provided with a downwardly and inwardly directed slot 18 having an offset portion 19 at the lower end thereof, it being understood that the slots 18 and offset portions 19 are in parallel relation to each other.

A folding device, generally indicated at 20, is mounted upon the higher end of the platform 15 adjacent the standard 12 and a creasing device, generally indicated at 21, is mounted upon the outer portion of the higher end of the platform 15.

Referring now to the folding device 20, it will be seen that it comprises a lower wall 22 transversely mounted upon the platform 15 by means of screws 23 or the like and which is provided with a horizontal upper edge 24 centrally provided with a V-shaped cut out portion 25. There is also provided an upper wall 26 having a horizontal lower edge 27 which is centrally provided with a dependent V-shaped projection 28. The upper wall 26 is secured to the lower wall 22 by means of screws 29 or the like and it will be seen (Figure 5) that the projection 28 extends only so far into the cut out portion 25 as to leave a V-shaped slot 30.

Referring to the creasing device 21, it will be seen that it is composed of an inverted U-shaped upstanding wall having a bight portion 31 and a pair of dependent legs 32, the latter being secured at their lower ends to the platform 15 by means of screws 33 or the like. It will be seen that a substantially rectangular space 34 is provided between the legs 32, the bight portion 31 and the platform 15. The bight portion 31 is provided with a slot 35 which is in alignment with a slot 36 formed transversely in the platform 15. A pair of vertically extending creasing members 37 is mounted in the opening 34 and they extend from the upper surface of the platform 15 to the underside of the bight portion 31. Each of the members 37 has threadably mounted in its upper end a screw 38 and it will be seen (Figure 6) that the heads of the screws 38 abut against the upper surface of the bight portion 31. Each of the members 37 has likewise threaded in its lower end a screw 39 and the heads of the screws 39 normally abut against the underside of the platform 15.

A roll of tape 40 is provided with an axle 41 and is adapted to be mounted in the ears 17 by extending the axle 41 into the slot 17 so that the same may come to rest in the offset portions 19. The tape 40 is then threaded through the slot 30, as shown in Figure 5 and then drawn forwardly and threaded between the elements 37 which may be adjusted toward each other by means of the screws 38 and 39. When it is desired to use a portion of the tape 40 for application to the adjacent portions of walls in the corner of a room, for example,

3

it will be apparent that the tape as it moves from the device will first be partially folded as it passes through the slot 30 and thereafter creased as the folded portions are brought forcibly together as they pass between the folding elements 37. Of course, due to inherent elasticity, the tape will now again partially resume its original shape but the resultant tape will be in V-shaped cross sectional area as illustrated in Figure 8 of the drawings. As the operator pulls upon the outer end of the tape to draw the same from the roll 40 and through the folding and creasing elements 20 and 21, respectively, it will be apparent that the standard 12 and consequently the platform 15 will be moved to take a direction substantially in longitudinal alignment with the operator. Likewise it will be apparent, since the device will be mounted upon a table, bench or the like, that the operator, particularly since it is customary to apply such tape from the top of a wall corner downwardly, that the tape will extend from the platform to the operator more nearly directly, due to the angular relation of the platform to the base 10, than would be the case if the platform extended horizontally.

While but one form of the invention has been shown and described herein, it will be readily apparent to those skilled in the art that many minor modifications may be made without departing from the spirit of the invention or the scope of the appended claim.

What is claimed is:

A creaser comprising a platform, an inverted U-shaped

4

wall transversely mounted on said platform, said wall having a bight portion and a pair of dependent legs, and a pair of vertical creasing members adjustably mounted with respect to each other between said legs, said bight portion being provided with a slot extending transversely with respect to said platform, said platform having a slot underlying in vertical registry the slot in said bight portion, and a headed screw threaded into each end of each of said creasing members, whereby the heads of said screws may engage the outer surfaces of the slot-containing members to lock said creasing members in selected positions with relation to each other.

References Cited in the file of this patent

UNITED STATES PATENTS

569,917	Goss	Oct. 20, 1896
734,943	Plimpton	July 28, 1903
927,502	De Smith	July 13, 1909
1,003,023	Ziegler	Sept. 12, 1911
1,305,129	Lang	May 27, 1919
1,357,757	Willner	Nov. 2, 1920
1,410,826	Mascord	Mar. 28, 1922
1,936,291	Dodge	Nov. 21, 1933

FOREIGN PATENTS

12,141	France	July 20, 1910
--------	--------	---------------