Aug. 22, 1933. A. KECK 1,923,936

GUMMED TAPE MOISTENER

Filed July 11, 1929

FIG. 1.

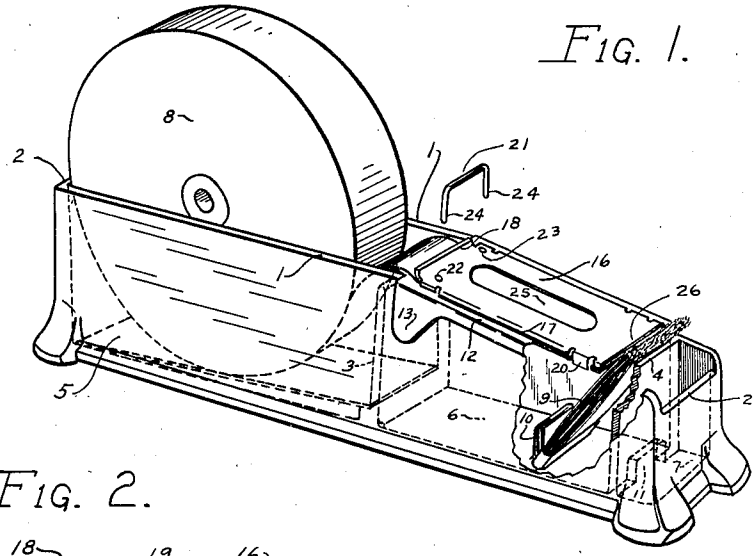


FIG. 2.

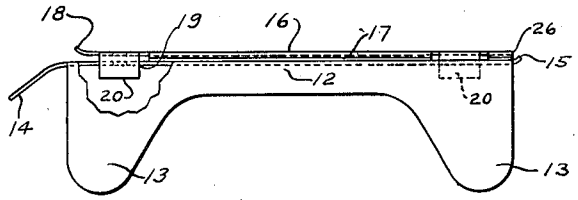
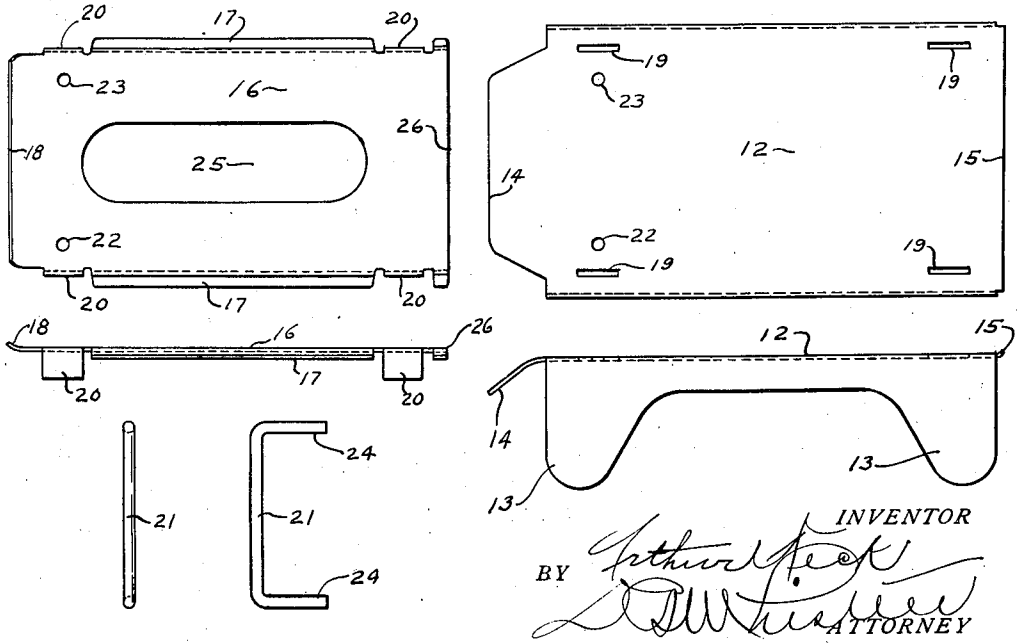


FIG. 3.



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GUMMED TAPE MOISTENER

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Application July 11, 1929. Serial No. 377,413

5 Claims. (Cl. 91—14.5)

This invention relates to improvements in gummed tape moisteners.

The objects attained consist in a gummed tape moistener of simple construction which can be furnished at relatively low cost as a household article and for commercial uses where manual manipulation of the tape is desirable.

The improvements herein set forth consist more especially in structural parts made from dies, which are arranged for convenient assembling, there being no operable mechanism and no parts likely to get out of order.

The improved moistener is arranged for effectively displaying an advertisement printed on the tape, before the portion of tape required for use is severed from the strip which is supplied from a roll.

In a preferred form the tape moistener is arranged for tape of different widths, provision being made for regulating the width of the guide through which the tape strip is drawn, according to the width of the tape.

In the accompanying drawing which serves for illustrating the improved tape moistener:

Fig. 1 is a view of the moistener in perspective with a portion broken away;

Fig. 2 is a view of the tape guide removed from the housing with a portion of the guide broken away;

Fig. 3 is a detail view of the several parts of the tape guide.

As shown in the drawing the improved gummed tape moistener consists of a cast metal housing which is divided into three sections formed by side and end walls 1—2, and intermediate walls 3—4. Section 5 is for receiving the roll of tape 8 which is supported in vertical position by the lateral walls of the housing, the rear wall 2 and intermediate wall 3 acting to limit the longitudinal movement of the roll incidental to drawing off the tape. Section 6 is for containing water for moistening the tape, the moisture being conducted to the tape by a brush 9 the lower end of which is submerged in the water, being supported at its base by a lug 10, and inclined forward with its upper end resting against wall 4 and extended above the wall for brushing the moisture on the tape as it is drawn from the roll. Section 7 is for supplying water to section 6, the section being open at the top and communicating with section 6 through an aperture 11 in wall 4.

The tape guide is removable from the housing for affording ready access to the water section for occasional cleaning, the guide consisting of a base 12 which is provided at the opposite front and rear lateral edges with flanges 13 which act to engage the moistener housing frictionally for holding the guide firmly in place over section 6 the side walls of which at their upper edges are inclined for supporting the guide at a suitable angle for drawing off the tape. The rear end 14 of part 12 is curved downward for minimizing friction on the tape as it is drawn over part 12, the front end 15 being curved upward slightly for directing the advancing end of the tape onto the brush.

On the upper face of part 12 is a guide 16 which is spaced from part 12 by opposite side flanges 17 for forming a throat through which the tape strip passes. The rear end 18 of part 16 is curved upward inverse to the curvature of portion 14 of part 12 for forming an unrestricted entrance to the throat. Parts 12 and 16 are assembled in fixed relation one with the other by means of apertures 19 in part 12 and projections 20 of the part 16 which extend into the apertures and are slightly turned at their lower ends for holding the parts firmly together.

The tape guide 12—16 is arranged for tape of different widths. To this end a guide 21 is supported detachably in apertures 22—23 in register one with another at the rear of parts 12—16. The opposite ends 24 of the guide pass through and restrict the throat between parts 12—16 and act to limit lateral movement of the tape strip when a narrow width of tape is used. For wider tape guide 21 is removed.

An elongated aperture 25 in part 16 permits of engaging the tape strip through the aperture with a finger, the tape being pressed against part 12 for drawing it through the guide. The front edge 26 of part 16 serves as a cutting edge for severing the portion of tape advanced beyond the guide 12—16, severing of the tape being effected by drawing it against edge 26.

The aperture 25 is of suitable dimensions for displaying an advertisement printed serially on the upper face of the tape, the advertisements being spaced one from another longitudinally of the tape strip for effecting normal single lengths of the tape as required for ordinary use. Thus an advertisement will always be exposed through aperture 25 upon each severing of a length of tape drawn off for use.

I claim as my invention:

1. In a tape moistening device of the character described, a base having a tape roll receiving compartment and an adjacent water compartment, and a cover member for said water

compartment, said cover member comprising a metal plate having down turned sides frictionally engaging the sides of the base but not otherwise secured to said base, said cover member also comprising a sheet metal part rigid with said plate and forming a tape chute with said plate, said plate and sheet metal part being instantly completely removable from said base as a unit by an upward pull on said plate, and means in said water compartment for applying water to the tape.

2. In a tape moistening device of the character described, a base having a tape roll receiving compartment and a water compartment, means in said water compartment for applying the water to the tape, a cover member for said water compartment comprising a sheet metal plate having down turned sides frictionally engaging the sides of said base, said cover member having a sheet metal part rigidly assembled thereto and forming a tape chute with the upper sides of said metal plate, one end of said sheet metal part constituting a tearoff edge for the tape, said metal plate and said metal part being held on said base merely by the frictional engagement of the sides of said base with the sides of said metal plate so that they can be instantly and entirely removed from said base as a unit.

3. In a tape moistening device of the character described, a base having a tape roll receiving compartment and a water compartment, a partition in said base extending across said water compartment and dividing it into a larger space adjacent the roll compartment and a smaller space at the end of the tape moistening device said partition having a passage at the bottom thereof providing communication between said spaces, a brush in said larger space for applying water to the tape, the end of said brush resting on said partition, and a cover member for said larger space engaging said base and terminating adjacent said brush so as to leave the said smaller space uncovered to allow the water level in the smaller space to be visible.

4. In a tape moistening device of the character described, a cast metal base having a tape roll receiving compartment and a water compartment, a partition in said base extending across said water compartment and dividing it into a larger space adjacent the roll compartment and a smaller space at the end of the tape moistening device, said partition having a passage so that water can be supplied to the larger space from the smaller space, a brush in said larger space and resting on said partition, and a cover member for said larger space frictionally engaged with the sides of said base and instantly and completely removable therefrom, an end of said cover member being located adjacent said partition so as to leave the smaller space uncovered to allow for inspection of the water level.

5. In a tape moistening device of the character described, a cast metal base having a tape roll receiving compartment and a water compartment, a partition in said base extending across said water compartment and dividing it into a larger space adjacent the roll compartment and a smaller space at the end of the tape moistening device, said partition having a passage so that water can be supplied to the larger space from the smaller space, a brush in said larger space and resting on said partition, and a sheet metal cover member for said larger space comprising a sheet metal plate having down turned sides only frictionally engaged with the sides of said base and also comprising a sheet metal part rigid with said plate and forming a tape chute with the upper side of said plate, the ends of said sheet metal part and plate being positioned adjacent said brush so as to leave the said smaller space uncovered so that the water level in the smaller space is readily visible.

ARTHUR KECK.