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F. LOWENTHAL

DEVICE FOR HOLDING AND DISPENSING TAPE

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Fig. 1.

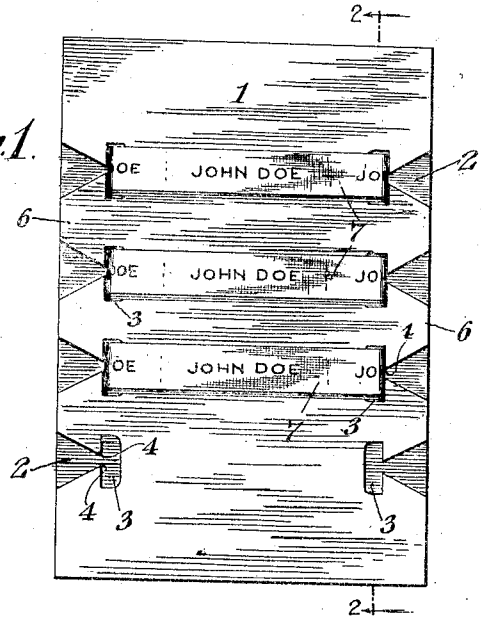
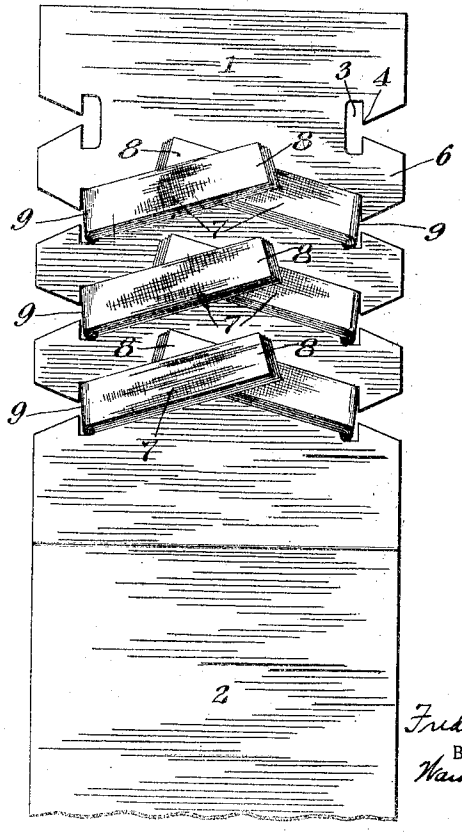


Fig. 2.



Fig. 3.



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DEVICE FOR HOLDING AND DISPENSING TAPE.

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This invention relates to a device for holding and dispensing tape, and a method for packing the same.

One of the objects of this invention is to provide a novel method of packing tape in such a manner that the tape may be removed in short lengths as it is needed.

Another object is to provide a new and novel receptacle or device for holding the tape.

More particularly the invention relates to the method of packing and the receptacle for holding and dispensing what is known as marking tape. This tape is made in long lengths and bears a series of names either printed or woven. A length of tape bearing a name is cut off and used to mark a piece of linen or clothing. It is desirable to pack these tapes cut in short lengths each bearing three or more imprints of a name suitable for marking three or more garments or pieces of linen, etc. Heretofore the tape has been cut in suitable lengths and then these lengths glued end to end, and the continuous length so formed wound around a card. As a length was needed it was wound off and separated from the others by breaking the adhesive joint. This has been found unsatisfactory since the package, once opened, would leave the remaining length free to unwind. Also, the additional cost of gluing these short pieces together amounts to considerable and smears the tapes with glue. It is the object of my invention to overcome these disadvantages.

Further objects and advantages of the invention will more fully appear from the following description taken in connection with the accompanying drawings illustrating by way of example the preferred embodiment of the apparatus used in carrying out the method.

In the accompanying drawings, Fig. 1 is a front view of the device;

Fig. 2 is a sectional view at 2—2, Fig. 1; and

Fig. 3 is a view showing the device in its extended or open position.

In the embodiment shown a holder provided with four reduced portions is shown. The tape is omitted from the lower reduced portion so that the structure may be clearly shown. It is to be understood that the holder may contain one or more reduced portions, and therefore no limitation is made to the number of reduced portions.

Referring to the drawings, and more particularly to Figs. 1 and 2, the body of the device is composed of two folds, a front fold 1 and a rear fold 2, preferably formed of a suitable card such as cardboard or any suitable flexible material. These folds are shown integral but may be two separate pieces, if desired, attached by any suitable means. The front fold has recesses 3—3 cut in its opposite marginal edges arranged in laterally opposite pairs, forming thereby a reduced portion therebetween. Projections 4—4 extend longitudinally and lie adjacent said recesses 3, forming thereby restricted recesses. After the tape has been placed in these recesses, as will be hereinafter described, the lower end of the rear fold 2 is attached to the front fold 1 as at 5, and if desired also at point or points 6. The rear fold 2 acts as a back member to hold the tape, as will be hereinafter described, and as stated above, can either be integral with the front fold 1 or separate and attached thereto. The attachment may be at the top and bottom or in any other suitable manner.

The method of packing the tape will now be described. The tape is cut into suitable short strips, represented in the drawings at 7, and a series of these strips are wound in superimposed relation around fold 1 so that their ends 8—8 lie behind the front fold as shown in Fig. 2, and the folded portions 9 lie within the restricted recesses 3. The rear fold 2 is then folded over the ends of the tape, and glued at marginal portions on the rear side of front fold 1 at 5 and 6, as described above.

In some instances it might prove advantageous to wind the tape around the restricted portion in a continuous piece in the form of a spiral, so that each fold would fall into recesses 3, and then after the desired quantity had been wound in one pair of recesses the continuous loop so formed could be cut through at the rear thereby forming similarly superimposed layers of short length tape. Likewise, it is to be understood that after winding one such spiral, instead of stopping, the tape might be led to the next pair of recesses forming a reduced portion, and so a series of spirals might be

wound and then all cut through at once to thereby form a series of units of superimposed short length tapes.

Having thus described my invention with particularity with reference to the preferred method of carrying out the same and in connection with the preferred apparatus for carrying out the same, it will be obvious to those skilled in the art, after understanding my invention, that various changes and modifications may be made therein without departing from the spirit and scope of my invention, and I aim in the appended claims to cover such changes and modifications as are within the scope of the invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A device for holding and dispensing short lengths of tape, comprising a front member with its opposite edges adapted to receive and hold, in spaced relation along the edges, a plurality of groups of superimposed lengths of tape whose ends are folded underneath said front member, and a rear member adapted to hold the folded ends of the superimposed layers of tape in position behind said front member so that individual pieces of tape may be removed.

2. A device for holding and dispensing short lengths of tape, comprising a front portion and a rear portion, said front portion having a reduced section crosswise thereof with longitudinal projections extending adjacent said reduced portion, said longitudinal extensions co-operating with said reduced portions to retain superimposed layers of tape round about said front portion and whose ends lie behind said front portion, said rear portion being attached to said front portion to removably retain the ends of said tape between the front and rear portions so that individual pieces of tape may be withdrawn.

3. A tape holding device comprising a front fold and a rear fold, said front fold having a plurality of reduced portions formed crosswise thereof and each adapted to receive a group of superimposed layers of tape thereon whose ends extend inwardly and behind said front fold, said rear fold being adapted to lie behind said front fold and to be attached thereto to retain the folded ends of the superimposed layers of tape between said front and rear folds while permitting the individual pieces to be withdrawn.

4. A device for holding short lengths of marking tape, comprising a front fold and a rear fold, said front fold having marginal recesses along two edges arranged laterally opposite, said recesses being restricted by longitudinally extending portions of said front fold, said restricted recesses forming a means of retaining a series of groups of superimposed layers of tape when the tape is folded over the edges of said front fold, said rear fold being adapted for attachment to the rear of said front fold to retain the ends of the tape in position between said front and rear folds.

5. The method of packing marking tape for purposes of holding and dispensing the same, which consists in cutting said tape in suitable short lengths, wrapping a series of said lengths of tape in superimposed relation around a card in such a manner that the ends lie adjacent the rear face of said card and the folds are held in restricted recesses on the margin of said card, and holding the ends of said tape in folded position, at the rear of the card, in such manner that the individual pieces of tape may be removed.

6. The method of packing marking tape for purposes of holding and dispensing the same, which consists in cutting said tape in suitable short lengths, placing a series of said lengths of tape in superimposed relation in restricted marginal recesses formed on the edges of a card with the ends of said tape folded against the rear of said card, attaching a backing member to said card to hold said folded ends between said card and said backing member in such a manner that a single length of tape may be pulled out.

In testimony whereof I have signed my name to this specification.

FREDERICK LOWENTHAL.