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T. DAHLBERG

2,796,110

LABEL ASSEMBLY AND DISPENSING DEVICE

Filed April 7, 1955

Fig. 1

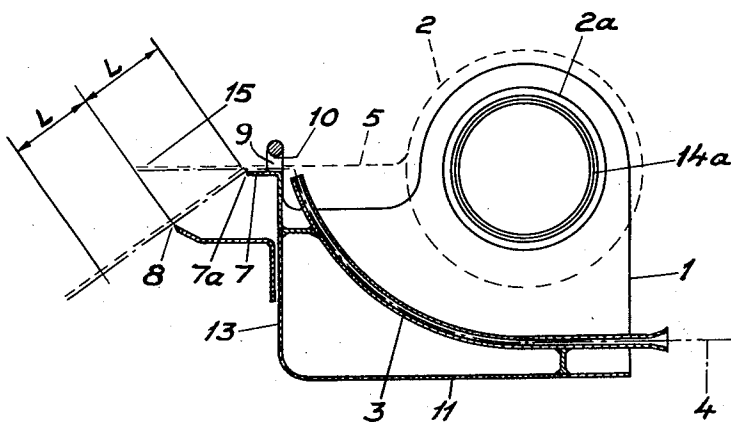


Fig. 2

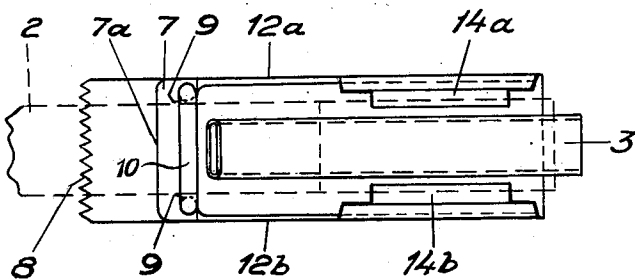


Fig. 3

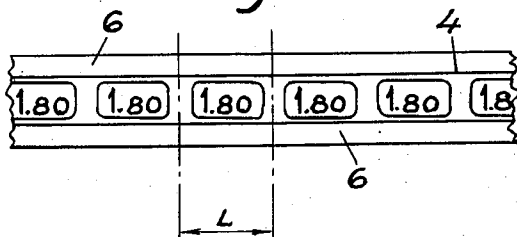


Fig. 4



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1

2,796,110

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4 Claims. (Cl. 154—1.6)

It has been a long-felt want to be able to price-label goods simply and cheaply, particularly in self-serving shops. In most cases this is done by writing the price on the wrapping or the labels of the wrapping with a pencil or a piece of chalk. However, such a method is very expensive, the price labelling is not attractive esthetically, and it is difficult to remove the label, which is often desirable. The present invention relates to a device for the manufacture of labels consisting of a holder for transparent adhesive tape with a tacky gum, provided with an edge for severing the tape, whereby assembling of labels provided with text is rendered possible. These labels fulfill the great demand made for decorativeness and at the same time they have other advantages. The invention is substantially characterized in that the holder is provided with a support and guide member for a paper strip which is to be moved towards and adhered to the tape.

An embodiment of the invention is illustrated in the accompanying drawings in which Fig. 1 shows the device in longitudinal section. Fig. 2 shows the device from above, the tape alone being indicated in dotted lines. Fig. 3 shows the paper strip and the tape glued together, and Fig. 4 shows a torn-off label.

The mode of action of the device is as follows:

On the holder 1, which preferably consists of a bottom 11 and walls 12a, 12b, and 13, two hubs 14a and 14b are disposed on the walls which carry a tape roller 2 (indicated by dashed lines in the figure). The hub casing of the tape roller is designated by 2a. The free end 5 unwound from the tape roller is carried through below a guide member 9, 10 comprising an inverted U-shaped guide element the arms of the U 9 being secured to a support member 7 the bottom of said U being a straight bar 10 parallel with the edge 7a, thence down towards an edge 8 against which the adhesive tape can be torn off. A paper strip 4 or the like is inserted through a guide rail 3 and is moved towards the downwardly directed adhesive surface of the tape, where the strip of paper adheres and travels continuously with and is adhered to the tape when this is pulled. After being torn off the free end of the adhesive tape has been adhered to the support member 7 and it tends to assume the position 15 through the bending stresses of the adhesive tape, whereby a free tongue is attained, which makes it easier to catch the adhesive tape when feeding it further forwards. This is also facilitated since the strip of paper adhered to the tape prevents the fingers from coming into contact with the adhesive. When pulled forwards, the adhesive tape can be lifted from the support member 7 and is then guided by the guide member 9—10, against the upper guide 10 on which it slides with its unglued surface. The strip of paper 4 is preferably provided with text on that surface which faces the adhesive tape. This text can be read through

2

the transparent adhesive tape at the same time as it is protected by the said adhesive tape.

In Fig. 3 an example is illustrated showing how the text on the paper strip can be formed. Evenly spaced numbers representing a price may be printed within a frame. The length of the frame is smaller than the distance L in Figs. 1 and 3. When the tape and the strip glued together are fed forward the feeding distance is so measured that the strip will be severed about midway between the frames. This is made easier by the fact that the distance between the edge 7a and the edge 8 equals the length L. When the strips are fed forward, it is only necessary to pull the tape and strip so that the edge 7a will come midway between the text frame.

If one desires to remove a label glued to an object, this is easily done by putting a finger nail or some pointed instrument under the label opposite the text strip, which does not adhere to the said object. This is made still easier if one edge of the text strip is placed along one edge of the adhesive tape, so that only one side of the label is adhered, so the text strip will be in the form of a free tongue.

Many embodiments are possible within the scope of the invention. Thus, the strip of paper can be taken from a roll placed in the holder. More than one strip of paper or tape can be moved in parallel and simultaneously against the adhesive tape. The device may be provided with a mechanical feeding means and the device for tearing off the strip can also be modified. The strip of paper can be provided with continuous text, which, when the adhesive tape is fed forwards, is continuously provided with a protective coating. If desired, the strip of paper may be made wider than the adhesive tape. The adhesive tape itself may be provided beforehand with printed text.

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

1. A label assembly device comprising a holder including a bottom and side walls, each side wall carrying a hub to rotatably receive a roll of tacky adhesive in the form of tape, a support member over which the tacky adhesive may extend and to which it may temporarily adhere, a guide member spanning said support member, a guide rail extending from adjacent the bottom of said holder to a position adjacent said support member whereby a printed paper strip may be fed to the tacky side of said adhesive between said hubs and said support member, and a tear-off edge spaced from said support member a distance equal to the desired label length on the side remote from said hubs.

2. The label assembling device of claim 1, in which said guide rail is a flat tubular passage of a size to freely receive a strip of label material.

3. The label assembling device of claim 1, in which the tear-off edge is spaced downwardly from said support member.

4. The label assembling device of claim 1, in which said guide member comprises a straight bar spaced slightly above said support member whereby the tape may be lifted from the support member against the guide member against which the back of the adhesive tape will slide and by which it will be guided as it is pulled from the roll.

References Cited in the file of this patent

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