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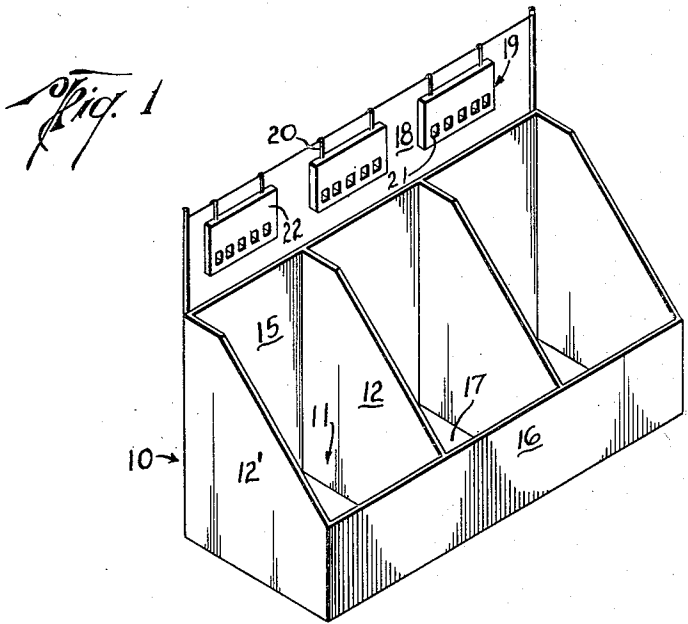
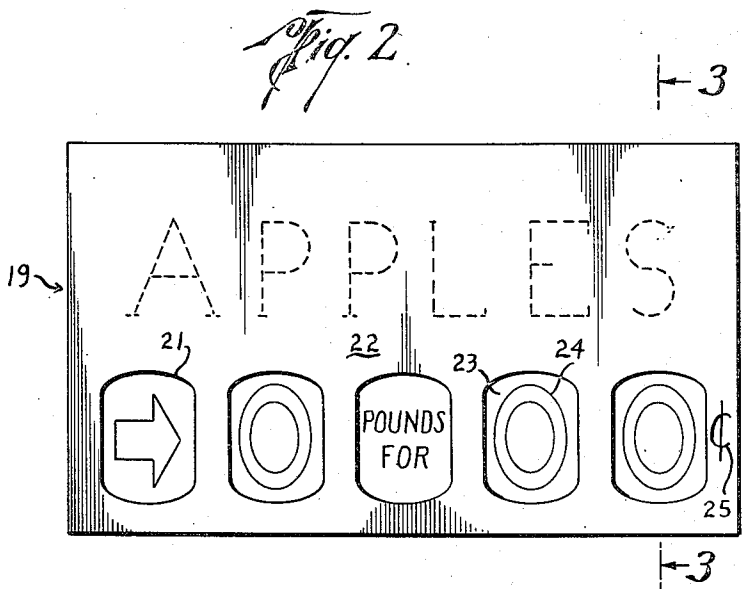
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2,822,631

CHANGEABLE PRICE TAGS AND HOLDER THEREFOR

Filed Feb. 12, 1957

3 Sheets-Sheet 1



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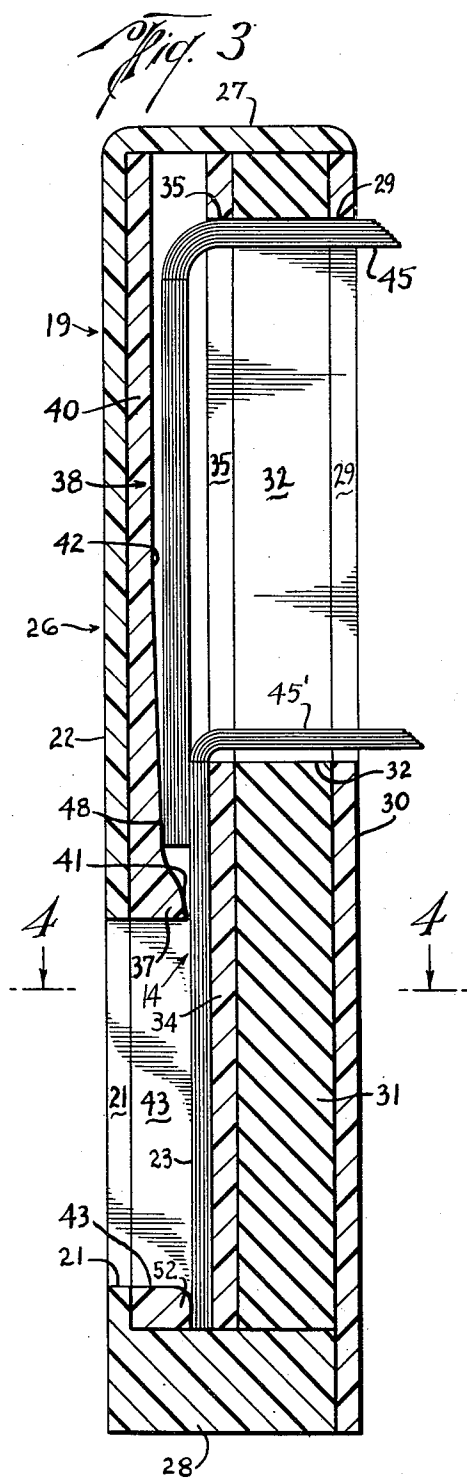
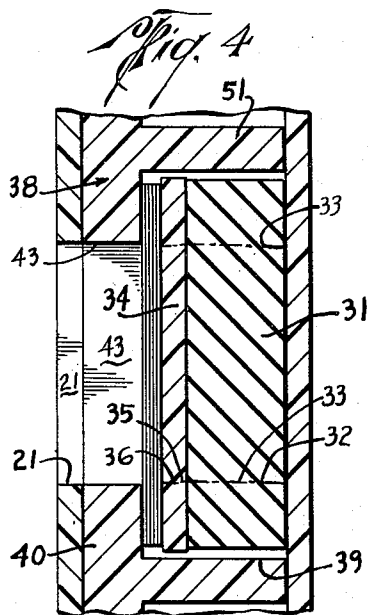
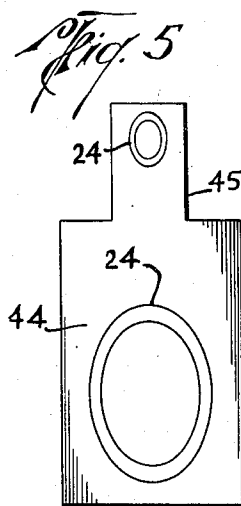
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CHANGEABLE PRICE TAGS AND HOLDER THEREFOR

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3 Sheets-Sheet 2



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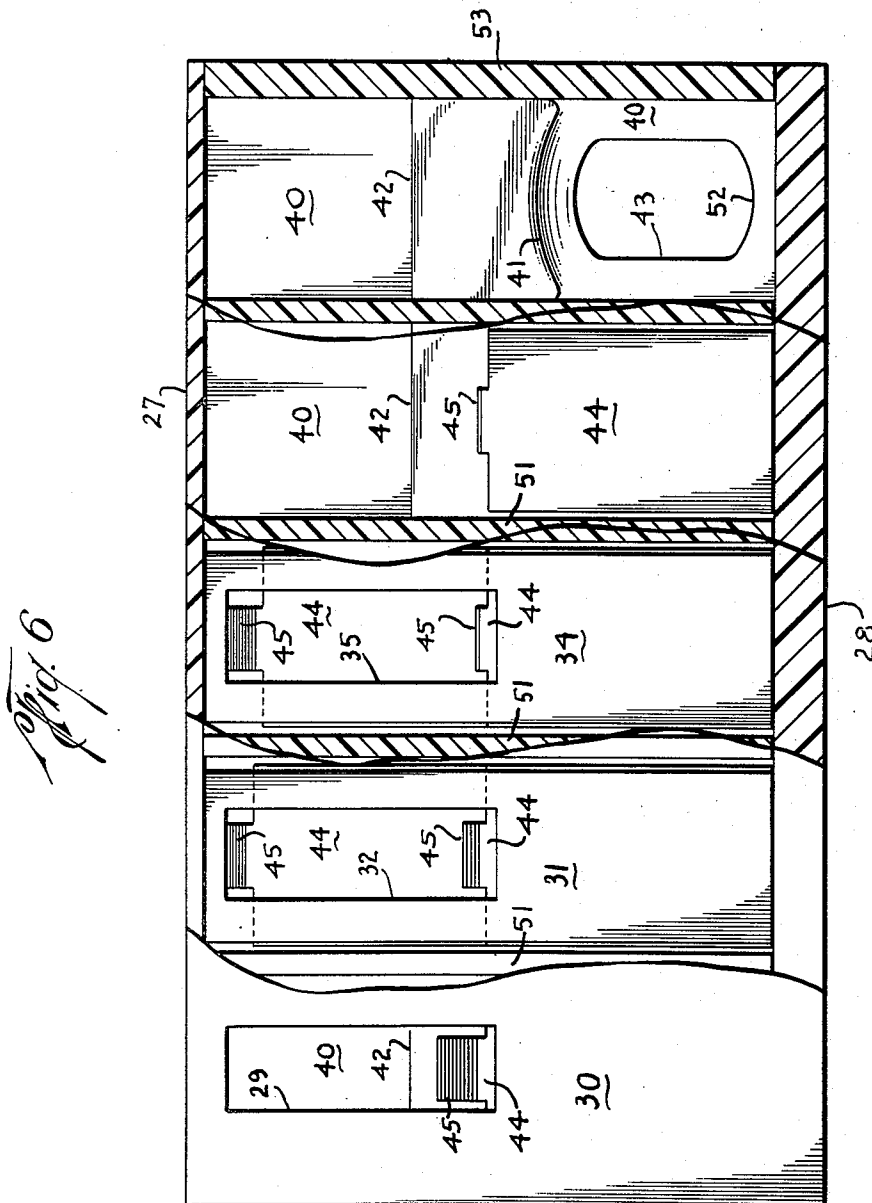
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CHANGEABLE PRICE TAGS AND HOLDER THEREFOR

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3 Sheets-Sheet 3



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CHANGEABLE PRICE TAGS AND HOLDER THEREFOR

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Application February 12, 1957, Serial No. 639,768

6 Claims. (Cl. 40—5)

This invention relates to an invention of changeable price tags and holder therefor, such invention being of the type permitting selective price tag movement enabling the positioning of any desired price tag in display position while the remaining price tags of a set thereof cooperate with the holder in maintaining such tag in position.

It is a primary object of this invention to provide an improved arrangement of price tag sets and holding means therefor whereby the tag selected for display from a set thereof may be easily placed in display position and held therein by the other tags of the set in cooperation with the holding means of such set.

It is a further object of this invention to provide an improved arrangement of price tag sets and holding means therefor in which the tags of a set other than the one on display are concealed from frontal view but in which all tags of the set are accessible from the rear of the set for selective interchangeability into and out of display position.

It is another object of this invention to provide an arrangement of price tag set and holding means therefor in which the tags behind the tag on display are urged forward by a resilient cushion to hold the tags forward of the tag on display firmly in cammed position accessible for manipulation from the rear of the holding means.

Other and additional objects of this invention consist of providing arrangement of price tag set and holding means therefor insuring speed of operation, positive tracking of tags in holding means, and the employment of durable materials in tags and holding means construction.

Other and further objects will be apparent when the specification herein is considered in connection with the drawings in which:

Fig. 1 is a perspective view of a plurality of the display devices of this invention mounted on a produce bin to price the produce in the several sections of the bin;

Fig. 2 is a front elevational view of such a device illustrating the function thereof;

Fig. 3 is a sectional side elevation through a device as shown in Figs. 1 and 2;

Fig. 4 is a sectional plan view taken along line 4—4 of Fig. 3;

Fig. 5 is a front elevation of a slide tag with rear tab shown before bending; and

Fig. 6 is a rear elevation of a device with rear elements shown successively removed from left to right.

Detailed reference may now be made to the drawings which disclose an embodiment whereby the structure and practice of the arrangement may be readily understood, and in which like reference numerals are applied to corresponding elements in the various views. As background a bin 10 is shown in Fig. 1 having partitioned sections 11 therein defined by dividing walls 12 and side walls 12' which extend from a comparatively tall rear wall or back 15 to a comparatively low forward wall or dashboard 16, all of the described walls being connected to a bot-

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tom closure or base 17. The backboard 15 has a part 18 which upstands above the dividing walls 12 and side walls 12' to support a display holder 19 rearwardly of each section or partition 11, each of such holders being suspended from the support 18 by a pair of conventional recurved straps or brackets 20 which catch over the top surface of the support 18 so that its holder 19 extends downwardly therefrom with its rear surface to bear upon the forward face of such support.

As best shown in Fig. 2 each display holder 19 has a plurality of display windows 21 in its forward closure or front 22, preferably in horizontal alignment, and such fronts 22 have space thereabove on which the name of the product displayed in the section 11 therebelow may be printed or otherwise displayed.

Below the name of the product on the front of each holder, a price tag 23 may be seen, each of which has printed or otherwise displayed thereon some digit, symbol, or designation 24 employed as employed in indicating the designated price of a product. Additionally further designation, as those which are generally constantly employed, may be placed on the face of the front 22, as at 25.

Each holder 19 comprises primarily a housing 26 which, in addition to the front 22 includes a top 27 and bottom 28 extending horizontally from the top and bottom, respectively, of the front 22. For each set 14 of tags 23 a rear access window or slot 29 is provided in the rear plate or closure 30 of the housing 26 and such slot is vertically spaced from the display window 21 in front of the set of tags 23. A resilient means, as a sponge rubber cushion 31, is provided just forward of the rear plate 30. Such cushion 31 is of width indicated in Fig. 4 and solid in construction to the rear of the display window 21, but the cushion has a slot 32 in the upper part thereof, of width indicated by the phantom lines 33 in such figure, and coextensive in elevation with the slot 29 to the rear thereof in the plate 30.

Forwardly of the cushion 31, a pusher or backing plate 34 is provided having a slot 35 therein as indicated by the phantom lines 36 in Fig. 4, and coextensive in elevation with the slot 32 in the cushion 31, and with the slot 29 in the rear plate 30. It is this plate 34 which is urged forwardly by the rubber cushion 31 against the rearmost tag 23 to urge it forwardly against a rearwardly extending cam surface 37 which forms part of a spacing retained member or body 38 which provides the tracks or retaining grooves for the various sets 14 of tags 23.

As best shown in Fig. 4, such retainer 38 has recesses 43 therein coextensive with the windows 21 and the retainer further provides recesses or track spaces 39 of rectangular cross-section rearwardly of the front windows 21. Additionally, as best shown in Fig. 3, the rear surface of the front plate part 40 of the retainer 38 is of a cammed contour beginning at 41 immediately above each window 21 and receding to a point 42 above which the inner surface of the front plate 40 extends vertically upward, the plate at this part being about half as thick as the part thereof therebelow.

As shown in Fig. 3, the tabs 45 extend rearwardly behind the rear closure 30 but it is not necessary that they extend as far as shown, and in practice they would extend behind the plate 30 for only a limited distance. Then the brackets or straps 20, not shown in Fig. 3, but which support the holders 19, are of such shape and construction as to space the top thereof away from the bin part 18 so that only the lower, inner corner of the holder touches the support 18, and thus the tabs 45 are spaced from the support.

The cushion 31 constantly urges the plate 34 forward and this plate in turn urges the tags behind the windows forwardly so that the display tag contacts the lower rear

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face of the rearward of the upper tags at 47 to urge the lower part of the upper tags forward so that the lower forward face of the forwardmost upper tag is in contact with the cam surface at 48. This forwardly acting pressure on the upper tags urges the uppermost tab of the uppermost tag into contact with the plate 34 at the top of the slot 35, the tags and their tabs to the rear thereof interfitting as shown in Fig. 3.

Each tag 23 has a wide lower part 44 having a designation or digit 24 thereon, as shown in Fig. 5, and a smaller part or tab 45 extending centrally from the upper edge of said part 44, and such tab also has the same designation or digit 24 thereon. The tags 23 are of a bendable material so that the tabs 45 thereon may be bent at substantially right angles to the base parts 44, as shown in Fig. 4. Then the tags 23 are placed in sequence, as in numerical sequence, in accordance with the designations or digits thereon, and are then divided into upper and lower portions so as to place the desired tag before the display window. It then results that the tab of the display tag is the uppermost of the lower portion of tags, with successive tags placed rearwardly thereof with their tabs thereunder, so that the rearmost tag has its tab lowermost. In this manner, selection of the tag to be displayed for visibility through the windows 21, 43 is made by thus dividing the tags 23 so that the tab 45' for the tag selected for display is uppermost of the tags 23 behind the windows 21, 43, to thus indicate to the operator that the designation 24 visible through the windows 21, 43 corresponds with the designation on the tab 45.

The track spaces 39 behind and above each window 43 are of rectangular cross-section and slightly wider than the tags 44, plate 34, and cushion 31, and the operative space for one set 14 of tags is divided from the adjacent space by division members 51 which extend rearwardly from the plate 40 to contact the rear plate or closure 30, and to thus space the rear closure 30 from the front 22. The outermost track spaces 39 have their enclosure completed by side plates 53 of the housing or holder 38 as shown in Fig. 6.

As a special feature of construction which speeds or facilitates the operation of the invention the cam surface 41 is arched as shown in Fig. 6 so that an upper tag initially has substantially point contact only before it is slid downwardly at which time the contact with the cam surface increases from the high point to the full surface of the arch. Also the surface of the plate 40 is curved as shown at 52 so that the bottom of a tag may be guided to lowermost position.

A device as herein described is specially well adapted for employment in large grocery stores, for example, where it is the practice to display food items, as in bins, with the prices for each item designated by display. Since such prices change from time to time, it is of great advantage to have a price tag display device in which prices may be changed with positive accuracy and with rapidity, the structures of the invention being fabricated of a durable material, as plastic, which undergoes inappreciable wear in service.

Broadly, the invention covers a device comprising changeable price tags and holding means therefor, and such invention is not limited to the typical embodiments of structures herein disclosed, but various other embodiments, modifications, and disclosures are likewise included, as such may fall within the broad spirit of the invention and within the broad scope of interpretation claimed and merited for the appended claims.

What is claimed is:

1. A price tag display device comprising a windowed housing, a plurality of slides provided with price designating characters mounted within said housing, said slides being selectively slidably movable from display positions registering with a window to concealed positions

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within the housing to extend through a rearward access slot for accessibility for external selective manipulation, a cam in the inner forward part of said housing adjacent said window and spaced between said window and said slot to guide said slides into and out of display position, and means including resiliently urging means in said housing rearwardly of said window and slide display position for maintaining slide display position and slide position with relation to said slot.

2. An arrangement of price tags in a set and a holding means therefor in which said holding means includes a housing having a forward display window and a rearward access window vertically spaced from said forward window, a set of display tags in which a portion including an outermost tag positionable for observation through said display window may be positioned to the rear of said display window and in which a portion less at least the rearward display tag of a set may be positioned forward of said access window, positioning means including a resilient cushion urging said first portion forward and said display tag thereof into positioning engagement with the rearmost tag of said second portion, cam means provided forward of said portions for cooperating in holding said second portion tags in position and for guiding the interchange of tags between said portions, and means on each tag accessible and visible upon manipulation through said rearward window whereby said tags may be selectively interchanged between said portions.

3. A price tag display device comprising a windowed housing, a plurality of price tags selectively slidably movable therein from display positions registering with a window to concealed positions, a rearward access slot in said housing whereby said tags are accessible for selective manipulation, means including resiliently urging means in said housing rearwardly of said window and said display position to urge said tags forwardly, and guide means in the inner forward part of said housing adjacent said window to guide said tags into and out of display position and to hold said tags in position in cooperation with said resiliently urging means.

4. A price tag display device comprising a housing having a front display window and vertically spaced therefrom a rear access slot, a plurality of price tags selectively slidably movable in said housing from display positions registering with said window to concealed positions, means including resiliently urging means in said housing rearwardly of said window to urge said tags forwardly, and cam and guide means in the inner forward part of said housing to guide said tags as manipulated through said access slot in guiding said tags into and out of display position and to cooperate with said resiliently urging means to hold said tags in position.

5. A price tag display comprising a holder having a forward display window and a rearward access slot vertically spaced therefrom, price tag sets in grooves provided in said holder, and a resilient cushion in each groove rearwardly of each set to urge said tags forwardly, and cam guide means provided on the forward inner side of said housing to guide said tags into and out of display position in front of said window as manipulated through said access slot and to cooperate with said resiliently urging means to hold said tags in selected position.

6. A price tag display comprising a holder having a forward display window and a rearward access slot vertically spaced therefrom, price tag sets in grooves provided in said holder, means rearwardly of each set to urge said tags forwardly, and cam guide means provided on the forward inner side of said housing to guide said tags into and out of display position in front of said window as manipulated through said access slot and to cooperate with said urging means to hold said tags in selected position.