May 6, 1930. S. SINGER 1,757,485

CHANGEABLE PRICE TAG

Filed May 22, 1928

Fig. 1.

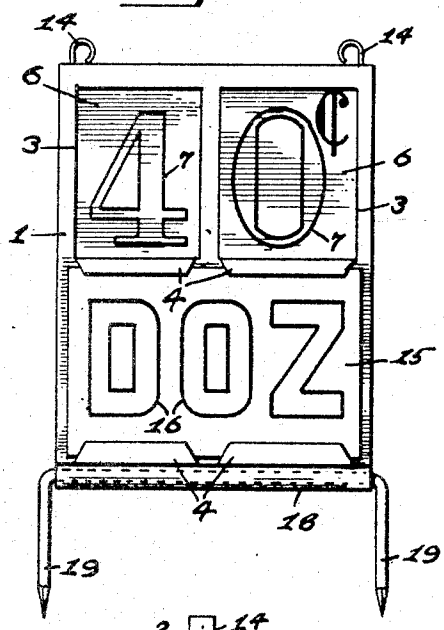


Fig. 2.

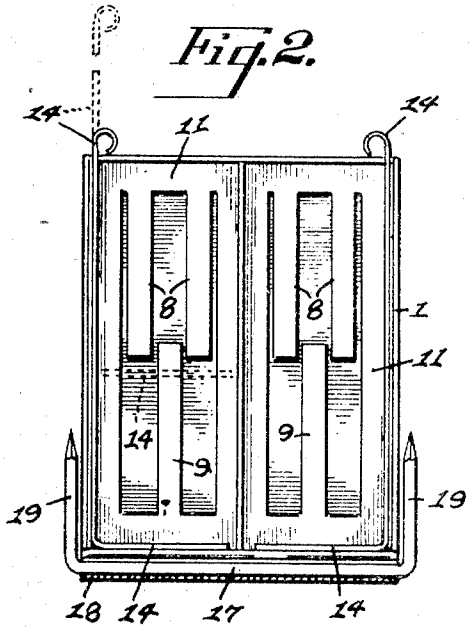


Fig. 3.

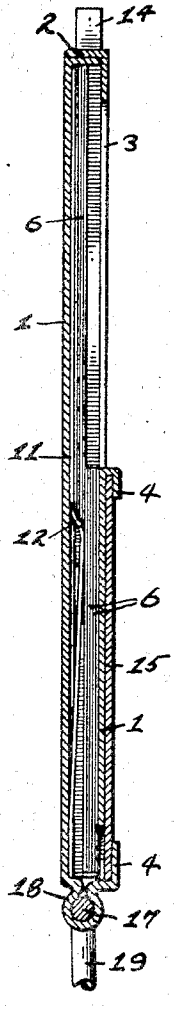


Fig. 4.

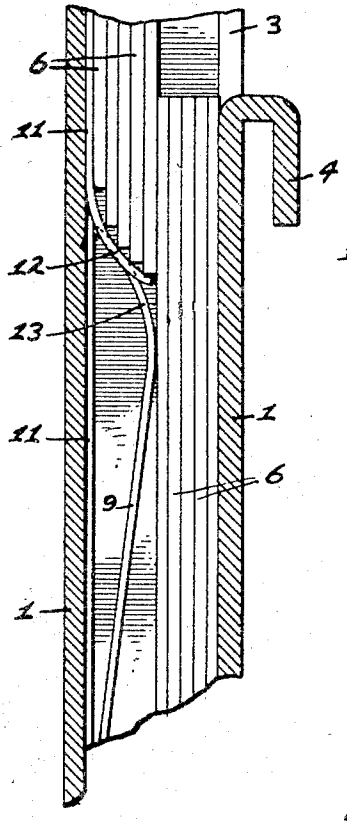


Fig. 5.

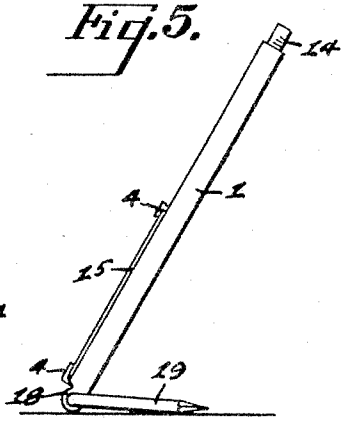
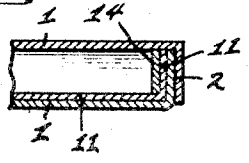


Fig. 6.



INVENTOR
SAMUEL SINGER.
By Arthur L. Slee.
ATTY.

Patented May 6, 1930 1,757,485

UNITED STATES PATENT OFFICE

SAMUEL SINGER, OF SAN FRANCISCO, CALIFORNIA

CHANGEABLE PRICE TAG

Application filed May 22, 1928. Serial No. 279,636.

My invention relates to improvements in changeable price tags wherein a plurality of superimposed price designating members are independently movable from a normal displaying position in back of windows formed in a housing, to concealed positions within a closed portion of the housing.

The primary object of my invention is to provide an improved price tag wherein the price indicating characters may be easily and quickly changed to indicate a desired price.

Another object is to provide an improved price marking device wherein the price marking elements are arranged in superimposed relation and are independently movable to a concealed position to facilitate the display of desired characters.

A further object is to provide an improved device wherein slidably mounted price marking members are normally held in either a normal display position or a concealed inoperative position, and provided with improved means for returning the members from inoperative to normal position.

Another object is to provide an improved device of the character described having supporting means which may be adjusted to support the device in various positions and folded to an inoperative position when desired.

A still further object is to provide an improved device of simplified and improved construction which can be manufactured economically and which is practical and efficient in service.

I accomplish these and other objects by means of the improved device disclosed in the drawings forming a part of the present application wherein like characters of reference are used to designate similar parts throughout the specification and drawings, and in which—

Fig. 1 is a front elevation of my improved price tag;

Fig. 2 is a front elevation with the front plate and the price marking members removed;

Fig. 3 is a vertical section, the figure being drawn upon a larger scale;

Fig. 4 is a very much enlarged broken sectional detail showing the manner in which the price marking members are engaged and held in either a normal or concealed position;

Fig. 5 is a side elevation, showing the manner in which the device is supported upon a plane surface; and

Fig. 6 is an enlarged sectional detail showing the manner in which the edges of the housing are secured together.

Referring to the drawings the numeral 1 is used to designate in general a housing formed from a strip of suitable sheet metal doubled to form front and back portions and having edges secured in overlapping relation, as at 2, along the sides and top of the housing. Windows 3 are formed in the front of the housing, preferably within the upper portion thereof, the lower portion being closed across the front and having tabs 4 struck outwardly therefrom.

A plurality of price marking members 6 are slidably mounted within the housing adjacent each window 3, said members being provided with suitable price indicating characters 7. The members 6 are normally placed in superimposed relation directly in back of each window 3, and the characters 7 preferably consist of digits arranged in order from 1 to 0. The members 6 are arranged to be moved independently downward into the closed lower portion of the housing, the movement of each member causing said member to be concealed and the member immediately in back thereof to be displayed through the adjacent window 3. The housing is preferably longitudinally partitioned to prevent the members 6 associated with one window 3 from interfering in any manner with the movement of the members 6 associated with the adjacent window 3.

The members 6 are held in either a normal position within the top of the housing in back of the windows 3, or in concealed position within the bottom of the housing by means of oppositely disposed spring fingers 8 and 9 struck from a plate 11 mounted within the back of the housing. The free ends of the fingers 8 struck from the upper portion of the plate are curved forwardly as at 12 and are arranged to engage the lower edges of

the members 6, said fingers 8 and curved ends 12 operating to normally hold the members in superimposed relation within the upper portion of the housing. The lower fingers 9 are sprung forwardly and the free ends curved rearwardly as at 13 to cooperate with the curved portions 12 in supporting the members 6 in normal position. The fingers 9 are arranged to be pressed back as the members 6 are moved downwardly into the lower concealed positions and to exert sufficient pressure against said members to hold the same in place. The edges of the plate 11 are turned at right angles and fitted neatly against the inner surfaces of the overlapping edges of the front and back portions of the housing as shown in Fig. 6.

A member 14 is slidably mounted within the housing adjacent the side of each set of slide members 6, said members 14 having their inner ends turned at substantially right angles to extend across the lower edges of members 6 when moved to concealed position. Each member consists of a flat metal strip fitting closely between the front and back walls of the housing and along one side of a set of slide members. The outer end of each member 14 extends outwardly from the housing and shaped to form a grip whereby the member may be moved outwardly to return slides from the concealed position to the normal position.

The tabs 4 struck from the closed lower portion of the housing 1 are arranged to detachably engage a suitable card 15 bearing characters 16 designating the quantity, character, or other designation with respect to product priced, a card 15 being selected to suit any particular requirement.

A supporting member 17 is mounted upon the bottom of the housing 1, said member consisting of a rod pivotally engaged within a crimped lower edge 18 formed across the bottom of the housing. The ends of the rod are turned at substantially right angles to the rod and sharpened to form prongs 19. The prongs may be turned to outwardly extending position as shown in Fig. 1 whereby said prongs may be inserted directly into a product or container to be price marked, or the prongs may be turned rearwardly to form a support whereby the device may be rested upon a plane surface and supported in inclined position, as shown in Fig. 5. The prongs may also be turned to inoperative position against the sides of the housing as shown in Fig. 2, when desired.

In operation, the plate 11 and the members 6 are assembled into the housing before the edges of the housing are secured together. The members 6 are normally held in superimposed relation directly in back of the windows 3 so that the outermost member 6 will display its character 7 through the adjacent window. To display a desired character, the outermost member 6 is moved downwardly to concealed position within the lower portion of the housing, this being most easily accomplished by pressing the thumb against the exposed surface of the outer member through the window, successive members 6 being thus displaced until the desired character 7 is exposed. A card 15 bearing suitable characters 16 is inserted into engagement with the tabs 4 immediately below the windows 3 to indicate the nature or quantity of the article to which the price displayed relates.

By turning the supporting prongs to the position shown in Fig. 1, said prongs may be inserted directly into the product to be marked to support the price tag thereon, or if this is not desired, the prongs may be turned rearwardly to support the device as shown in Fig. 5.

When it is desired to again change the characters displayed, additional members 6 may be moved to concealed position as above explained, if the digit desired is higher than the one displayed, or if the desired digit has been previously moved to concealed position, the member 14 is moved outwardly as indicated in dotted lines in Fig. 2, thereby moving the previously displaced members 6 back to normal position. The member 14 provides a simple and rapid means of returning all displaced members 6 simultaneously to normal position when desired.

The members 6 are made of such a size that when a member is moved downwardly to displaced or concealed position, the upper edge of said member will overlap the edges of the members still remaining in normal position, thereby causing the members to be moved to superimposed relation within the closed lower portion of the housing without changing their order.

While I have illustrated only the preferred construction of my improved device, and have shown only a form provided with two display windows 3, it is understood that the specific details of construction are subject to modification in a number of ways, and that the number of display windows may be increased to any desired number if desired. I therefore desire to avail myself of all modifications which may fall within the scope of the appended claims.

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

1. A price tag comprising a windowed housing; a plurality of slides provided with price designating characters mounted within the housing, said slides being slidably movable from display positions registering with a window, to concealed positions within the housing; and a plate mounted within the housing and having spring fingers struck therefrom to normally hold the slides in desired positions.

2. A price tag comprising a windowed housing; a plurality of slides provided with price designating characters mounted within the housing, said slides being slidably movable from display positions registering with a window, to concealed positions within the housing; and a plate mounted within the housing and having oppositely disposed spring fingers arranged to engage the slides when in displayed or concealed positions respectively and to hold said slides in desired positions.

3. A price tag comprising a housing having an open price displaying window formed in the front thereof; a plurality of price designating slides mounted in slidable contacting superimposed relation within the housing immediately in back of the window with the outermost slide displayed therethrough, said slides being independently movable by pressure applied against the face of the outermost slide through the open window to move said outermost slide from normal display position to a displaced position concealed within the housing; and means slidably mounted within the housing for returning displaced slides simultaneously from their concealed position to the normal position.

4. A price tag comprising a housing having an open price displaying window formed in the front thereof; a plurality of price designating slides mounted in slidable contacting superimposed relation within the housing immediately in back of the window with the outermost slide displayed therethrough, said slides being independently movable by pressure applied against the face of the outermost slide through the open window to move said outermost slide from normal display position to a displaced position concealed within the housing; and members slidably mounted within the sides of the housing adjacent the outer edges of the slides, said members having extensions engaging the ends of the slides when in concealed position and also having actuating portions extending outwardly from the opposite end of the housing and movable to return displaced slides simultaneously from concealed position to normal position.

5. In a price tag, the combination with a windowed housing; provided with members bearing price designating characters mounted in back of the window and movable to display desired characters therethrough, of a member pivotally mounted upon the bottom of the housing and provided with prongs arranged to be inserted into a product to be priced, or moved pivotally to form a supporting base arranged to support the housing upon or adjacent such product.

6. In a price tag, the combination with a windowed housing; provided with members bearing price designating characters mounted in back of the window and movable to display desired characters therethrough, of a rod pivotally mounted across the bottom of the housing, the ends of said rod being turned at substantially right angles and arranged to be turned upwardly along the sides of the housing in inoperative position, or turned to outwardly extending positions to support the housing upon or adjacent to an article to be priced.

7. A price tag comprising a housing having an open price displaying window; a plurality of slides provided with price designating characters mounted within the housing in back of the window with the outermost slide displayed through the window, said slides being normally held in contacting superimposed relation and slidably movable relatively to each other, the outermost slide being movable by manual pressure applied against the face thereof through the open window to move said slide into concealed position within the housing, said slides being independently movable whereby successive slides may be moved to concealed position to display a desired slide in each window, the displaced slides being held in proximate matching relation engaging and slightly overlapping the ends of the slides in normal position whereby displaced slides may be returned to normal position in their normal order.

In witness whereof, I hereunto set my signature.

SAMUEL SINGER.