May 31, 1932. M. DORION 1,860,772

PRICE INDICATOR

Filed Dec. 11, 1931

Fig. 1.

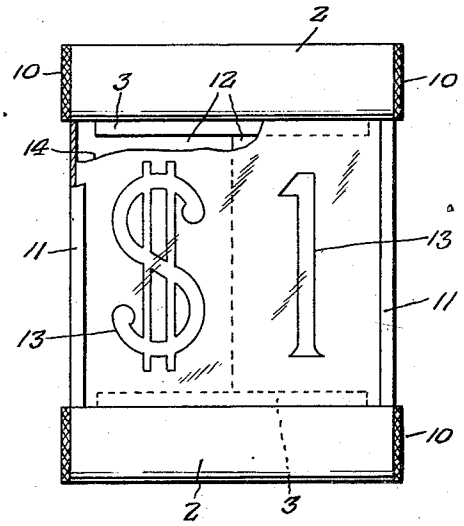


Fig. 2.

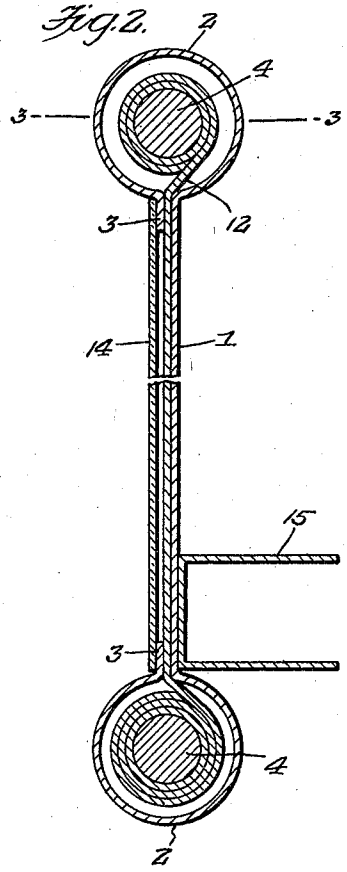
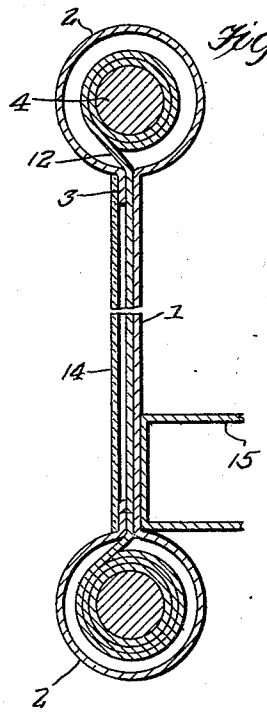


Fig. 4.



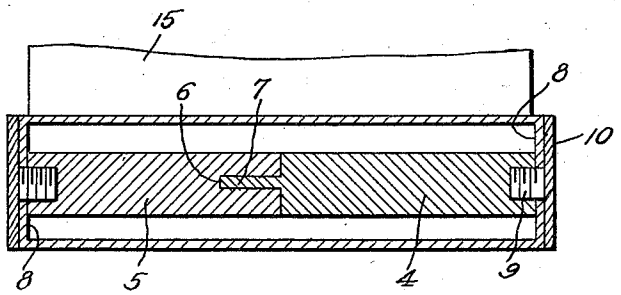


Fig. 3.

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UNITED STATES PATENT OFFICE

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PRICE INDICATOR

Application filed December 11, 1931. Serial No. 580,410.

This invention relates to price indicators, particularly for use in stores and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character embodying a novel construction, combination and arrangement of parts through the medium of which the price indicating numerals thereon may be expeditiously changed as desired.

Other objects of the invention are to provide a price indicator of the character described which will be simple in construction, strong, durable, efficient and reliable in use, attractive in appearance and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:—

Figure 1 is a view in front elevation with a portion broken away in vertical section of a price indicator constructed in accordance with the present invention.

Figure 2 is a view in vertical section through the device.

Figure 3 is a view in horizontal section taken substantially on the line 3—3 of Figure 2 with the webs removed.

Figure 4 is a view in vertical section through the device showing the webs wound oppositely on the spools from the winding shown in Figure 2.

Referring now to the drawings in detail, it will be seen that the price indicator constituting the present invention comprises a substantially flat plate 1 of suitable material, preferably metal having its end portions rolled, as at 2, and terminating in the tongues 3 which are disposed in spaced, opposed relation to said plate 1. The tongues 3 are of less width than the plate 1, as illustrated to advantage in Figure 1 of the drawings.

The rolled portions 2 constitute the tubular housings in which a pair of spools 4 and 5 are centrally mounted for rotation. The inner end portions of the spools 5 are provided with sockets 6 for rotatably receiving the pins 7 which project from the inner ends of the spools 4, thus connecting the spools 4 and 5 together in alignment and for rotation independently of each other.

The housings 2 are provided with end walls 8 having journaled therein the shanks 9 of the knurled operating disks 10. The shanks 9 are anchored in the outer end portions of the rolls 4 and 5 and constitute trunnions for rotatably supporting the rolls in the housings. As will be apparent, the disks 10 provide means for manually rotating the rolls 4 and 5 in either direction.

The side or longitudinal marginal portions of the plate 1 are folded to provide flanges 11 which, in conjunction with said plate 1, define channels in which the outer marginal portions of the webs 12 travel. The webs 12 are of any suitable flexible material and are windable in the pairs of spools 4 and 5, the end portions of the webs being secured in any suitable manner to the spools. It may also be well to here state that the spools 4 and 5 may be of any suitable material. Where the webs 12 pass into the housings 2, said webs travel between the tongues 3 and the plate 1. The webs 12 are provided with the price indicating indicia 13.

The exposed portions of the webs 12 are behind a cover 14 of suitable transparent, flexible material having its upper and lower portions engaged with the outer sides of the tongues 3 and its side portions engaged beneath the flanges 11 for securing said cover in position. The cover 14 provides a protecting shield for the webs 12. A resilient clamp 15 is fixed on the rear side of the plate 1 for detachable engagement with a support such as a store shelf.

In use, the rolls 4 and 5 are actuated in either direction through the medium of the disks 10 for bringing any desired numerals or other indicia on the webs 12 into view and to align any of the numerals on the webs which may be desired. As will be seen, it may be conveniently accomplished without removing the device from its support.

It is believed that the many advantages of

a price indicator constructed in accordance with the present invention will be readily understood, and although the preferred embodiment of the invention is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:—

A price indicator comprising a plate having its ends rolled to form cylindrical housings with the extremities of said ends bent to form tongues which extend outwardly from the inner portions of the housings and are parallel to but spaced from the influence of the straight part of the plate, the spaces formed by said tongues and the plate passing through the longitudinal center of the housings, angle shaped flanges formed on the side edges of the straight part of the plate, a transparent member having its side edges placed under the inwardly extending portions of said flanges having its ends resting on the tongues, a pair of rolls in each housing, the inner end of one roll having a socket therein and the inner end of the other roll having a trunnion formed thereon fitting in the socket, a closure for each end of each housing, a disk at each end of each housing having a threaded stud on its inner face passing through the closure into an outer end of a roll whereby turning of the disk will turn the roll and a pair of webs having their ends connected to the rolls, said webs passing through the spaces between the tongues and the straight part of the plate and the transparent member.

In testimony whereof I affix my signature.

MICHAEL DORION.