Aug. 23, 1932. C. W. GREEN 1,873,705

STORE COUNTER FIXTURE

Filed Feb. 9, 1929

FIG. 3

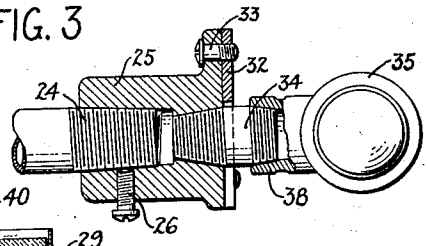


FIG. 2

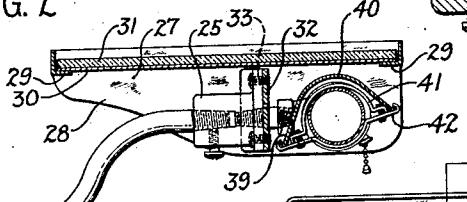
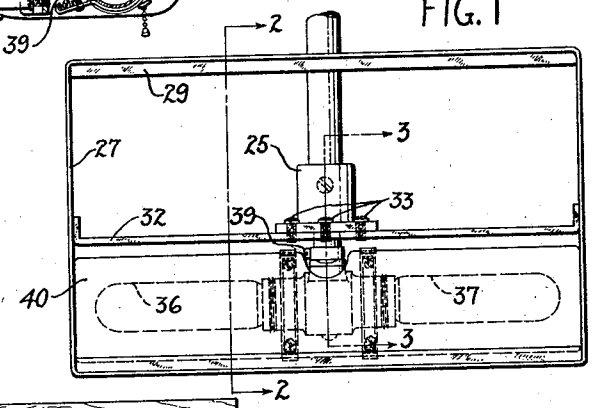


FIG. 1



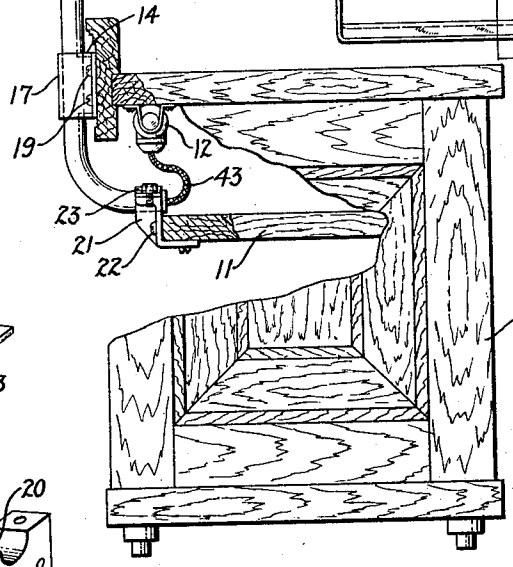


FIG. 4

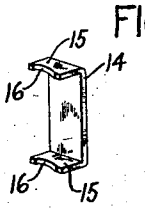


FIG. 7

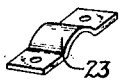


FIG. 6

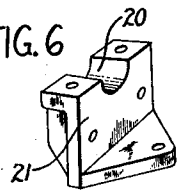
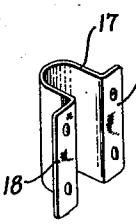


FIG. 5



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UNITED STATES PATENT OFFICE

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STORE COUNTER FIXTURE

Application filed February 9, 1929. Serial No. 338,657.

The present invention pertains to a combined shelf and lighting fixture, especially for use as an attachment to store counters. The problem of providing adequate space on store counters for the purpose of displaying goods and of serving customers is ever increasing, especially in retail stores dealing in small articles where large volumes of small merchandise are daily placed on the counters. It is found that the top of the ordinary store counter affords a space very effective for purposes of display, but when this space is so used, valuable space for vending, i. e., the transfer of articles and money between clerk and customer, is usurped thereby.

It is an object of the present invention to provide an auxiliary shelf of novel construction conveniently located adjacent the main counter for the purpose of providing additional space for receiving articles and money being transferred between clerk and customer, and for effectively displaying goods.

Also, it is found to be highly desirable to provide an efficient lighting arrangement to adequately illuminate, at close range, the top of the main counter to enhance a display of goods placed thereon. It is another object of the present invention to provide a lighting fixture positioned to efficiently illuminate the top of the counter at close range, without obstructing the customer's and clerk's view of the top of the counter.

A further object of the present invention contemplates a construction whereby such an auxiliary shelf and efficiently disposed lighting fixture may be combined into a single unit, be sturdily mounted but readily detachable, and attached to the main counter in a manner to utilize a minimum amount of space.

With these and other objects in view, my invention consists of the novel combinations and arrangements of parts as illustrated in the accompanying drawing and more fully described hereinafter.

In the drawing:

Fig. 1 is a plan view of the combined shelf and lighting fixture of my invention, certain parts of the shelf being removed for clarity of illustration.

Fig. 2 is a side elevation, partly in section, showing the assembly of my combined shelf and lighting fixture and the attachment thereof to a store counter. In this view the shelf and lighting fixture proper are shown in section along the line 2—2 of Fig. 1.

Fig. 3 is a detail in section taken along the line 3—3 of Fig. 1.

Figs. 4 to 7, inclusive, are perspective views of the several clamps and brackets used to attach my new combined shelf and lighting fixture to a store counter.

In the drawing, forming a part of this specification, the numeral 10 indicates a store counter of ordinary construction to which my invention is adapted to be attached. The store counter chosen for illustration houses interiorly an auxiliary display shelf 11. For the purpose of illumination, an electrical conduit 12 is conveniently mounted on an inner wall of the counter, and is connected to a source of current supply.

As a support for my combined shelf and lighting fixture, I provide a hollow pipe standard 13, which is secured at its lower end to the counter by clamps and brackets. A spacing bracket 14, shown in detail in Fig. 4, comprises a piece of sheet metal bent at right angles at its extremities into extending portions 15 and formed with concavities 16 for a snug engagement with the side of the pipe standard 13. Clamp 17, surrounding an adjacent portion of the pipe standard, firmly holds the pipe standard in place abutting the bracket 14, the clamp being secured to the counter by means of screws 19, or their equivalents, passing through apertures in the flange portions 18 of the clamp. In Fig. 2 the lower portion of the pipe standard is seen to be angularly bent to be received in a recess 20 formed in the upper side of a bracket plate 21, which is secured by such a means as screws 22 to the auxiliary shelf 11 of the counter. The bracket plate 21 is shown in detail in Fig. 6. A clamp 23, shown in detail in Fig. 7, is bolted to bracket plate 21, as shown in Fig. 2, securely clamping the lower end of pipe

standard 13 in place in recess 20 in the bracket plate.

The pipe standard 13 is bent at its upper extremity so that its end portion lies in a substantially horizontal plane, as shown in Fig. 2, in a position above the counter. The upper end of the pipe standard is threaded as at 24 to be received by internal threads in a coupling 25. A set screw 26 serves to securely clamp the coupling in a readily detachable engagement with the pipe standard. This coupling serves the double purpose of attaching the shelf and lighting fixture together and of securely mounting the combined structure on the standard, as will be more fully explained hereinafter.

My new shelf, indicated generally at 27, is formed from sheet metal into a rectangular frame having downwardly extending side portions 28 and inwardly extending front and rear flange portions 29. The flange portions 29 form a seat to receive metal plate 30 on top of which is positioned a glass plate 31 to form an auxiliary shelf. The metal plate 30 and glass plate 31 are shown in position in Fig. 2, but for clarity of illustration of other parts, have been removed in the showing of Fig. 1.

Extending transversely through the center of the shelf frame 27 is a brace piece 32, angularly bent at its ends and secured to the sides of the frame by any suitable means such as riveting or welding. This brace piece serves not only as a strengthening brace for the shelf frame but also as a means for rigid attachment to the coupling 25. The brace piece may be detachably secured to the coupling by any suitable means, such as, for example, screw bolts 33. At the central portion of brace piece 32, adjacent its point of attachment to the coupling, the brace is cut away, as best seen in Fig. 3, to facilitate the attachment of a lighting unit to the coupling 25. One end of the pipe plug 34 threadedly engages the interior of the coupling 25 and the other end threadedly engages and supports the lighting unit. Set screws similar to member 26, may be used, if desired, to insure a rigid attachment of the plug and coupling.

The lighting unit per se, including a socket 35, reflector 40 and lamps, is of a well known type, and it is to be understood that various types of lighting units may be used in my invention. For the purpose of illustration, I have shown a double socket 35 receiving two electric lamps 36 and 37. The socket shown for use in the illustrated embodiment of my invention is formed with an integral extending portion 38 which is secured to the pipe plug 34 preferably by threaded engagement between the pipe plug and the light socket portion 38 and by the addition of a set screw 39 (Figs. 1 and 2). I prefer to use a curved, elongated metal type of reflector, such as is indicated at 40, such reflector being adjusted and held in place on the lamp socket by means of clamps 41 and 42. Electric current is furnished to the lamps by a flexible insulated conductor which passes through the hollow portions of the pipe standard, coupling, plug and socket, being connected at one end with the lamps, and at the other end with the supply source in conduit 12, preferably by a socket and detachable plug connection.

It will be seen that by the present invention I have provided a combined shelf and lighting fixture with a simplified means for combining the shelf and lighting unit, as well as a mounting for the same and attachment thereof to a store counter, a minimum amount of counter space being taken up for attachment, additional valuable display and vending space being made available, and a fixture for efficient illumination of the counter at close range being provided.

It will be understood that the various changes in some or all of the parts of the invention as illustrated by the preferred embodiment may be made without departing from the invention as hereinafter claimed.

I claim:

1. A fixture for store counters, including a standard, counter attaching means for said standard, a shelf-supporting frame, a coupling member carried by the standard, and a transverse brace member rigid with said frame and mounted on and carried by said coupling member.

2. A fixture for store counters, including a standard, counter attaching means for said standard, a shelf-supporting frame, a transverse partition brace member carried by said frame, and means for securing said brace member to said standard.

CHARLES W. GREEN.