Sept. 11, 1951 W. W. WELLER 2,567,457

CAN OPENER

Filed Sept. 22, 1950 2 Sheets-Sheet 1

Fig. 1.

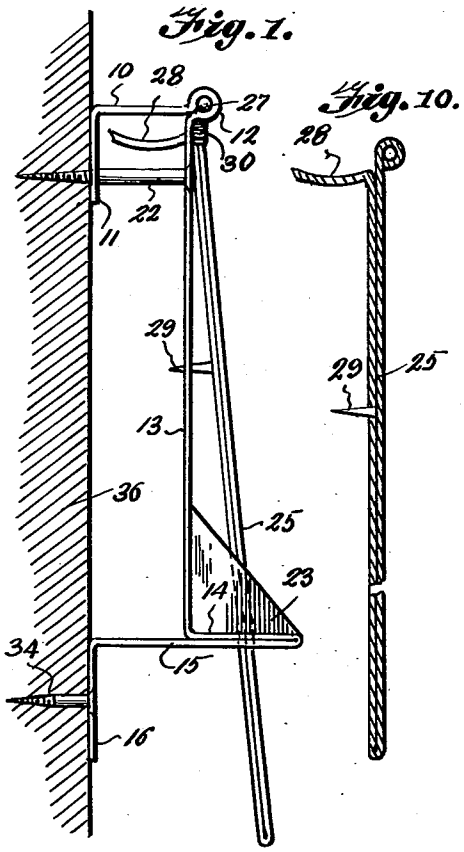


Fig. 10.

Fig. 2.

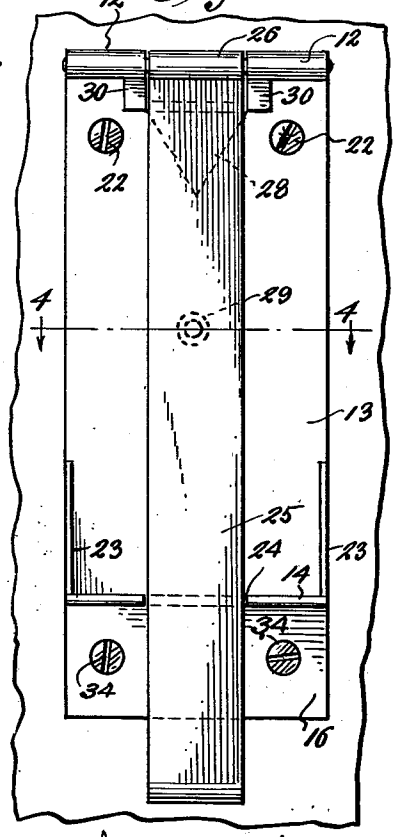


Fig. 3.

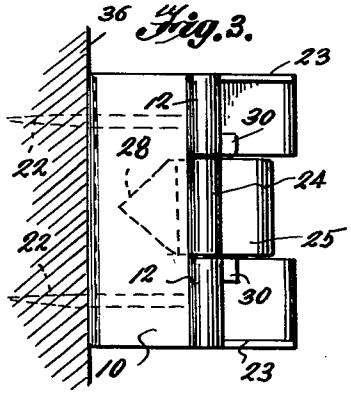
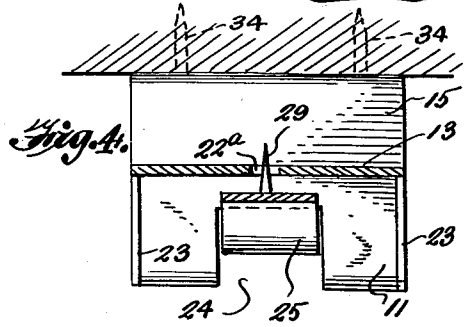


Fig. 4.



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Sept. 11, 1951 W. W. WELLER 2,567,457

CAN OPENER

Filed Sept. 22, 1950 2 Sheets-Sheet 2

Fig. 5.

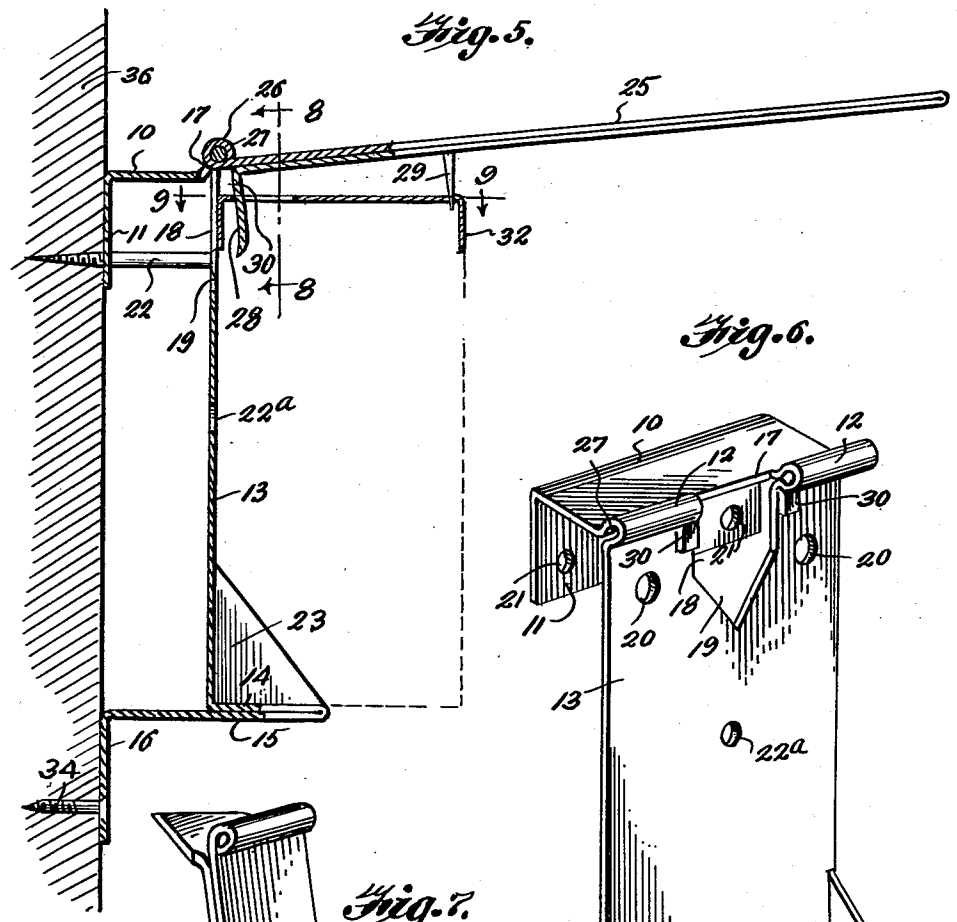


Fig. 6.

Fig. 7.

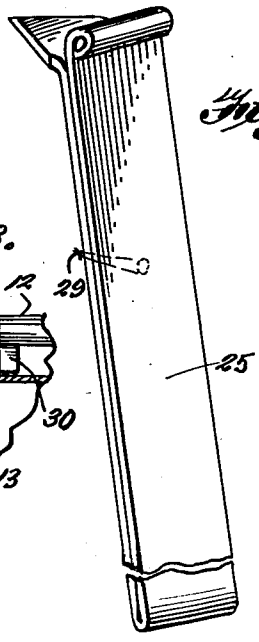


Fig. 8.

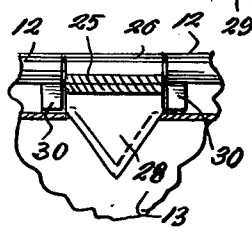
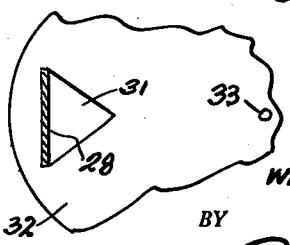


Fig. 9.



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UNITED STATES PATENT OFFICE

2,567,457

CAN OPENER

Winfred W. Weller, Likely, Calif.

Application September 22, 1950, Serial No. 186,243

6 Claims. (Cl. 30—6.1)

1

The present invention relates to a can opener and it consists in the combinations, constructions and arrangements of parts herein described and claimed.

Generally the invention comprises an improvement over my copending application, Serial No. 64,620 which issued on March 14, 1950 as Patent No. 2,500,266 and which likewise relates to a can opener.

It is an object of the present invention to provide a device of the character set forth wherein means is provided for receiving the moving parts of the device in a novel collapsed condition when the same is not in use.

Another object of the invention is the provision of a device of the character set forth which is simple in construction and operation, inexpensive to manufacture and yet effective and efficient in use.

A further object of the invention is the provision, in a device of the character set forth, of a novel bracket which may be formed of a minimum number of parts.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawings, in which:

Figure 1 is a side elevational view of an embodiment of the invention,

Figure 2 is a front elevational view thereof,

Figure 3 is a top plan view of the device shown in Figures 1 and 2,

Figure 4 is a sectional view taken along line 4—4 of Figure 2,

Figure 5 is a vertical sectional view of the device illustrated in Figures 1 to 4 and showing the same in operative position,

Figure 6 is a perspective view of a bracket utilized in the invention,

Figure 7 is an exploded perspective view of a handle and associated parts also forming parts of the invention,

Figure 8 is a fragmentary sectional view taken along line 8—8 of Figure 5, and

Figure 9 is a sectional view taken substantially along line 9—9 of Figure 5.

Fig. 10 is a sectional view of the handle and its associated parts.

Referring more particularly to the drawings, there is shown therein a bracket comprising an upper arm 10 having an integrally formed dependent wall-engaging portion 11 at the rear thereof and having an integrally formed rolled forward end 12 which, in turn, is formed integrally with a vertically dependent base portion 13.

2

The lower end of the base portion 13 extends forwardly, as indicated at 14 and thence rearwardly, as indicated at 15 to integrally connect with a dependent lower wall engaging portion 16 and it will be readily apparent that the members 10, 11, 12, 13, 14, 15 and 16 are all formed of a single piece of flat material, preferably of metal.

The rolled edge 12 is centrally cut away, as indicated at 17, and this cutaway portion adjoins a vertically dependent slot 18 formed in the upper end of the base member 13 and which slot 18 terminates a in a V-shaped cut away portion 19.

Adjacent the upper end of the base member 13 there is provided a pair of screw-receiving openings 20 and the wall-engaging member 11 is likewise provided with a pair of screw-receiving openings 21 which latter are in horizontal registry with the openings 20 whereby screws 22 may be received through the pairs of openings 20 and 21.

In vertical alignment with the apex of the V-shaped cutout portion 19 there is formed in the body of the base member 13 in spaced relation to the portion 19 a circular opening 22a. A brace member 23 preferably triangular in shape, interconnects the adjacent outer edges of the base 13 and the upper side of the member 14 and a centrally disposed squared slot 24 is cut into the composite folded portion 14 and 15 of the device for the reception of an elongated handle 25 which is provided with a rolled portion 26 at its inner end whereby the same may be interconnected with the rolled portions 12 by means of a hinge pin 27 which may be extended through such portions 12 and 26. Adjacent the forward end of the handle 25 and extending at right angles from such handle 25 is a V-shaped cutter blade 28. A vent punch 29 is affixed to the underside of the handle 25 in spaced relation to the blade 28 and also at right angles to the handle 25. A guide member 30 is affixed to the upper and outer face of the base 13 adjacent either side of the slot 18.

In operation, it will be apparent that a can may be placed upon the platform 14 between the brace members 23 which will act as guides therefor and against the guide members 30 and that thereafter the handle 25 may be brought in a downward direction upon its pivotal pin 27 so that the blade 28 will cut a triangular shaped opening 31 in such can, the latter being indicated at 32. It will also be apparent that during such operation the vent punch 29 will form a circular opening 33 in a portion of the can adjacent the edge thereof

diametrically opposed to the opening 31 formed by the blade 28. Likewise, it will be seen that the screws 22 acting in conjunction with screws 34 which may be inserted into openings 35 provided in the member 16, will act to hold the bracket rigidly upon a wall such as indicated, for example, at 36 in the drawings.

When the device is not in use, the handle 25 may be brought downwardly to a vertically dependent position upon its hinges and it will be apparent that in such case the blade 28 will be received through the slot 18 and cutaway portion 19 while the vent punch 29 will be received in the opening 22*a* as is indicated in Figure 1 of the drawings.

While but one form of the invention has been shown and described herein, it will be readily apparent to those skilled in the art that many minor modifications may be made without departing from the spirit of the invention or the scope of the appended claims.

What is claimed is:

1. A device of the character described comprising a bracket having integrally formed upper and lower wall-engaging arms and a vertically extending base plate adapted to be held in spaced relation to a wall by said arms, each of said arms having an integrally formed foot, a handle pivotally connected at its inner end to the upper end of the base plate, a blade carried on the underside of said handle adjacent its inner end, a vent punch carried on the underside of said handle in spaced relation and outwardly from said blade, a can-supporting platform at the lower end of said base plate, and means for allowing said handle to assume a substantially vertically dependent position.

2. A device of the character described comprising a bracket having integrally formed upper and lower wall-engaging arms and a vertically extending base plate adapted to be held in spaced relation to a wall by said arms, each of said arms having an integrally formed foot, a handle pivotally connected at its inner end to the upper end of the base plate, a blade carried on the underside of said handle adjacent its inner end, a vent punch carried on the underside of said handle in spaced relation and outwardly from said blade, a can-supporting platform at the lower end of said base plate, and means for allowing said handle to assume a substantially vertically dependent position, said means comprising an opening in the upper end of said plate for receiving said blade therethrough and an opening in said plate below said first mentioned opening for receiving said vent punch.

3. A device of the character described comprising a bracket having integrally formed upper and lower wall-engaging arms and a vertically extending base plate adapted to be held in spaced relation to a wall by said arms, each of said arms having an integrally formed foot, a handle pivotally connected at its inner end to the upper end of the base plate, a blade carried on the underside of said handle adjacent its inner end, a vent punch carried on the underside of said handle in spaced relation and outwardly from said blade, a can-supporting platform at the lower

end of said base plate, vertically extending brace plates interconnecting the edges of said platform and the adjacent side edges of said plate, and means for allowing said handle to assume a substantially vertically dependent position.

4. A device of the character described comprising a bracket having integrally formed upper and lower wall-engaging arms and a vertically extending base plate adapted to be held in spaced relation to a wall by said arms, each of said arms having an integrally formed foot, screws extending horizontally through the upper portion of said plate and said upper arm feet, screws extending through said lower arm feet, a handle pivotally connected at its inner end to the upper end of the base plate, a blade carried on the underside of said handle adjacent its inner end, a vent punch carried on the underside of said handle in spaced relation and outwardly from said blade, a can-supporting platform at the lower end of said base plate, and means for allowing said handle to assume a substantially vertically dependent position.

5. A device of the character described comprising a bracket having integrally formed upper and lower wall-engaging arms and a vertically extending base plate adapted to be held in spaced relation to a wall by said arms, each of said arms having an integrally formed foot, a handle pivotally connected at its inner end to the upper end of the base plate, a blade carried on the underside of said handle adjacent its inner end, a vent punch carried on the underside of said handle in spaced relation and outwardly from said blade, a can-supporting platform at the lower end of said base plate, vertically extending brace plates interconnecting the edges of said platform and the adjacent side edges of said plate, and means for allowing said handle to assume a substantially vertically dependent position, said means comprising an opening in the upper end of said plate for receiving said blade therethrough and an opening in said plate below said first mentioned opening for receiving said vent punch.

6. A device of the character described comprising a bracket having integrally formed upper and lower wall-engaging arms and a vertically extending base plate adapted to be held in spaced relation to a wall by said arms, each of said arms having an integrally formed foot, screws extending horizontlly through the upper portion of said plate and said upper arm feet, screws extending through said lower arm feet, a handle pivotally connected at its inner end to the upper end of the base plate, a blade carried on the underside of said handle adjacent its inner end, a vent punch carried on the underside of said handle in spaced relation and outwardly from said blade, a can-supporting platform at the lower end of said base plate, and means for allowing said handle to assume a substantially vertically dependent position, said means comprising an opening in the upper end of said plate for receiving said blade therethrough and an opening in said plate below said first mentioned opening for receiving said vent punch.

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No references cited.