

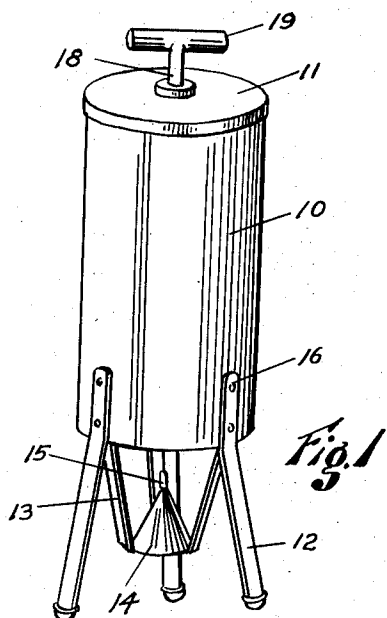
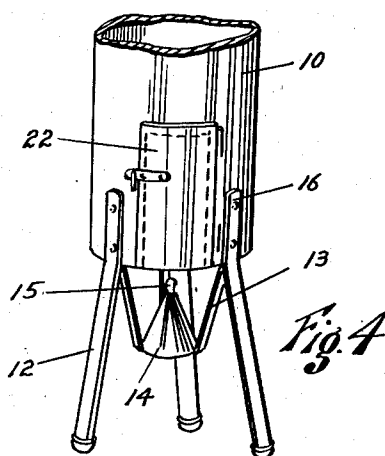
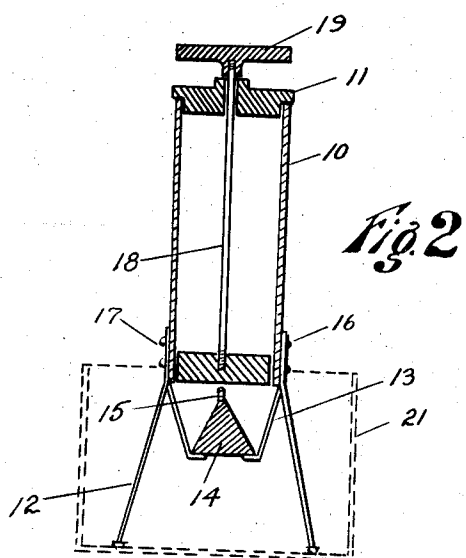
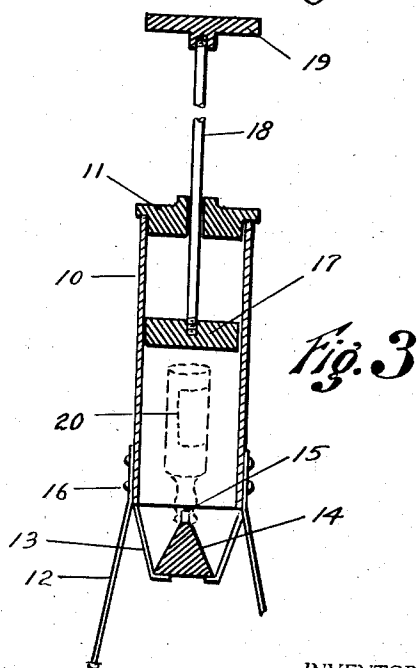
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2,293,341

BOTTLE BREAKER

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2,293,341

BOTTLE BREAKER

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3 Claims. (Cl. 83—93)

My invention relates to bottle breakers and more particularly to a device constructed for the particular purpose of breaking and destroying bottles such as liquor bottles or the like as required by Federal laws.

An object of my invention is to construct a device of the character described that will accommodate any type or shape of bottle.

Another object of my invention is to so construct the device to eliminate any skill or special effort on the part of the user when breaking the bottle and to construct the device sufficiently rugged to take care of any type of bottle.

Still another object of my invention is to incorporate absolute safety into the device so that there is no hazard created during the process of destruction.

A further object of my invention is to construct a device in a manner that it may be set into any type of container, for the convenience of the user, so that the device itself need never be emptied, the particles of glass being dropped from the device into the container after the breaking operation.

A device of this character may be manufactured economically with but few working parts all ruggedly constructed with nothing to get out of order or cause mechanical troubles.

Other and further objects of my invention will become more apparent as the description proceeds when taken in conjunction with the drawing in which

Figure 1 is a perspective view of the device.

Figure 2 is a cross-sectional view with the weight in a dropped position,

Figure 3 is a cross-sectional view of the device with the weight in a raised position and showing the bottle in phantom ready for breaking, and

Figure 4 is a fragmentary perspective view of the device showing a door attached to the side for the convenience of the user.

Similar characters of reference indicate corresponding parts throughout the several views and referring now to the same the character 10 illustrates a cylindrical enclosure provided with a cover 11 at its upper end and a plurality of standards or supports 12 at its lower end. There are shown a plurality of supporting brackets 13 suspending a conical shaped anvil 14 which anvil has a contour that will urge the particles of broken glass outward when a bottle is placed onto the vertically disposed mandrel 15 at the apex of the conical shaped anvil 14. The standards 12 and supports 13 are shown attached

to the cylindrical body 10 by means of screws 16 or in any other convenient manner.

A weight 17 disposed inside of the cylindrical enclosure 10 and of a dimension somewhat smaller than the inside diameter of the cylindrical enclosure 10 is supported by means of a lifting rod 18 provided with a handle 19 and is raised by means of the handle 19 to a position at the top of the cylindrical enclosure, in which case it causes the cover 11 to be lifted off of the enclosure 10 while the bottle as shown in phantom as 20 in Figure 3 is inverted and the mandrel 15 is inserted into the neck of the bottle 20. When the cover 11 is again replaced onto the top of the enclosure 10 and the weight 17 is dropped by means of the user releasing his hold on the handle 19 and as the weight contacts the bottle 20 it will cause it to be crushed and destroyed and deposited into the container 21 as shown in phantom in Figure 2.

If desired a door 22 may be placed into the side of the cylindrical enclosure 10 as shown in Figure 4. This door may be slidably or hingedly applied and provides a means of inserting a bottle into the enclosure without having to raise the cover 11 away from the enclosure 10.

It is manifest to anyone familiar with the art that the device as illustrated and described will afford a very convenient method for the destruction of bottles without in any way creating a hazard to the user.

Although I have shown and described a particular construction of my device it is to be understood that I can make such changes as I may deem necessary without departing from the spirit of my invention as set forth in the appended claims.

What I claim and desire to secure by Letters Patent in the United States is:

1. A device of the character described comprising a vertical cylindrical body open at both ends, a plurality of standards elevating said body from the floor, a conical anvil suspended below the open lower end of said cylindrical body, said anvil provided with a vertical mandrel of a diameter to permit entering into the neck of a bottle at its apex, said apex being below the open end of said cylindrical structure, a cover closing the top of said cylindrical body, a weight member slidably engaging the inner walls of said body, said weight member facing the apex of said anvil, a lifting rod engaging said weight member and protruding through said cover and a handle outside of said cover engaging said lifting rod to

permit the user to lift the weight within said body.

2. A device of the character described comprising a cylindrical body open at its upper and lower end, said body vertically disposed, a cover on the open end of said body, a plurality of standards elevating said body from the floor, said standards attached to the lower end of said body, a conical shaped anvil having a vertical mandrel of a diameter small enough to enter the neck of a bottle at its apex, said anvil supported from the bottom of said body at a point so that the apex of the anvil is below the open lower end of said body, a weight member disposed

within said body, said weight member facing the apex of said anvil, said weight member further provided with a lifting rod extending through said cover and a handle attached to said lifting rod outside of said cover for the manipulation of the device.

3. A device of the character described in claim 5 having an aperture provided through the side of the wall of said vertical body near its lower end, said aperture provided with a hinged wall portion forming a part of said cylindrical body when closed during the operation of the device.

STANLEY HOIBY.