

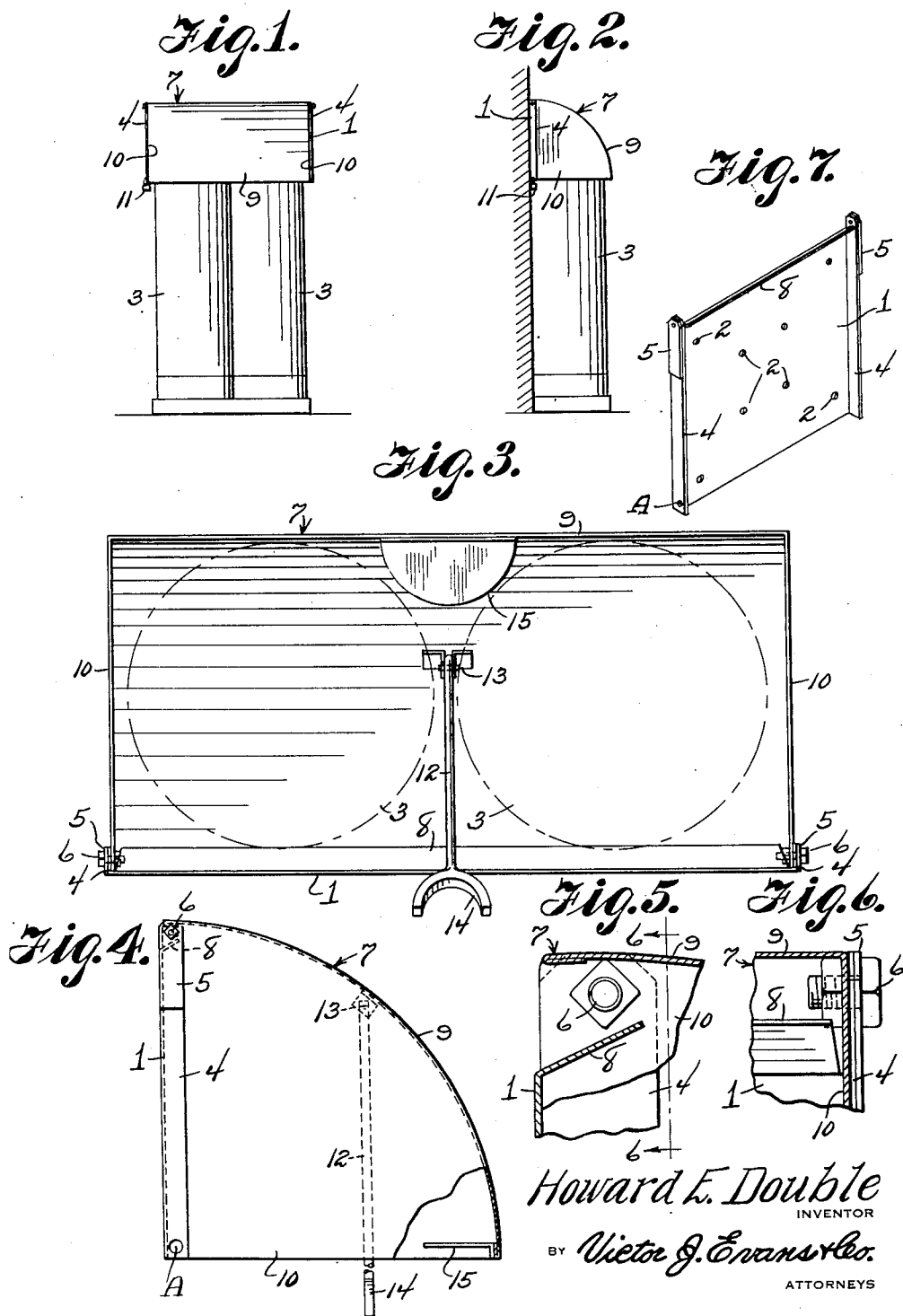
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HOOD OR CABINET FOR BOTTLED GAS SYSTEMS

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HOOD OR CABINET FOR BOTTLED GAS SYSTEMS

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3 Claims. (Cl. 312-112)

This invention relates to hoods or cabinets for bottled gas systems and has for the primary object the provision of a device of this character which will efficiently protect a regulating equipment of a gas system located exteriorly of a consumer's house and is composed of a regulator, cylinder connections, safety relief valve, cylinder valves, etc., against weather elements and being tampered with by unauthorized persons and which is economical to manufacture, easy and quick to install and when open will permit the gas containers or bottles to be conveniently changed for others and necessary adjustments of the valves to be made.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a front elevation illustrating a hood or cabinet shown associated with gas containers and constructed in accordance with my invention.

Figure 2 is a side elevation illustrating the same.

Figure 3 is a bottom plan view illustrating the hood or cabinet.

Figure 4 is an end elevation, partly in section, and drawn on an enlarged scale showing in the hood or cabinet the means to prevent tampering with the equipment.

Figure 5 is a fragmentary vertical sectional view showing the hinging of the hood on a back plate.

Figure 6 is a sectional view taken on line 6-6 of Figure 5.

Figure 7 is a perspective view illustrating the back plate.

Referring in detail to the drawing, the numeral 1 indicates a back plate having a series of openings 2, some of which receive fasteners for securing the back plate to a vertical wall of a building and exteriorly of the latter, the other openings being employed for mounting gas regulating equipment on the plate. This gas regulating equipment is not shown and forms no part of the present invention and is composed of pipes, a regulator, cylinder connections, a safety relief valve and cylinder valves. All of this equipment under law must be arranged exteriorly of a dwelling and protected against weather elements and from being tampered with. The present invention of which the back plate forms a part effectively protects the regulating equipment as well

as the upper ends of the gas containers indicated by the character 3. The back plate 1 has formed thereon vertical flanges 4 arranged at right angles to the back plate which are reinforced at their upper ends by being constructed of double thickness, as shown at 5. The upper ends of the flanges 4 are apertured to receive bolts 6 acting as hinges for securing on the back plate a cover 7. The upper edge of the back plate is bent angularly, as shown at 8, and extends into the cover 7. The portion 8 of the plate 1 slopes toward the wall of the building on which the back plate is mounted and the purpose of which is to drain moisture and water towards the building and prevent the same from flowing down over the outer face of the back plate within the cover.

The cover 7 consists of an arcuately curved wall 9 and end walls 10 of segmental shape. The cover 7 when in a closed position brings the end walls to lie within the flanges 4 of the back plate and one of said flanges has an opening A and one of the end walls has a corresponding opening adapted to align with the opening A which openings are for the purpose of receiving a padlock 11 or some other similar fastening means for securing the cover from being swung upwardly into an open position for exposing the regulating equipment and the upper ends of the gas containers. By referring to the drawing it will be seen that when the cover is in a closed position it completely overlies the back plate, consequently covering the equipment carried thereby and also extends well downwardly over the upper ends of the gas containers. The wall 9 of the cover being arcuately curved readily sheds water, snow and the like and will prevent the positioning of articles thereon.

A prop 12 is pivoted on the cover 7, as shown at 13, and has a forked end 14. The forked end of the prop 12 may be brought into engagement with some part of the regulating equipment on the back plate when desiring to support the cover in an open position. The cover when in the latter-named position clearly exposes the latter-named equipment for adjustment and for the removal and replacement of gas containers on the equipment.

From the foregoing description it will be seen that a device of the character described and shown in the drawing consists of a minimum number of parts all of which can be easily manufactured and assembled, consequently reducing the cost of installation of such a device on a dwelling. Further, it will be seen that this de-

vice will efficiently protect the regulating equipment as well as its connections with the gas containers and as the gas containers are connected with the equipment they cannot be removed by an unauthorized person nor can the equipment be tampered with.

Secured to the inner face of the wall 9 of the cover is a semi-circular shaped plate 15, the purpose of which is to extend partly between the gas containers adjacent the lower edge of the cover closing the space between the cover and the containers preventing an unauthorized person from reaching up under the cover and tampering with the equipment.

15 What is claimed is:

1. A cabinet for bottled gas systems comprising a plate having a relatively flat surface mountable on a wall of a building and formed with openings for receiving gas regulating equipment mounted thereon, a cover hinged on said plate to overlie and enclose the gas regulating equipment and upper portions of gas containers connected with said equipment, means for locking the cover to the plate and a prop hinged substantially centrally of said cover and having a forked end to engage with the equipment for supporting the cover in a raised position to expose the equipment and its connections with the gas containers, and a guard plate secured on the inner face of the cover to extend partly between the gas containers and cooperate therewith in preventing unauthorized tampering with the equipment when the cover is in a closed position.

2. A hood for bottled gas systems comprising a back plate having a relatively flat surface mountable on the exterior of a building and formed with openings for receiving gas regulat-

ing equipment mounted thereon, vertical flanges formed on said plate and projecting above the upper edge thereof, a cover hinged on the upper ends of the flanges to normally occupy a position to overlie the equipment and upper ends of gas containers connected with said equipment and including an arcuately curved wall and segmental-shaped end walls integral with the arcuately curved wall, and a flange formed on the upper edge of the plate and inclined upwardly and outwardly therefrom to extend within the cover at the hinged end thereof, and a prop carried by the cover to engage the equipment for supporting the cover in an open position.

3. A hood for bottled gas systems comprising a back plate having a relatively flat surface mountable on the exterior of a building and formed with openings for receiving gas regulating equipment mounted thereon, vertical flanges formed on said plate and projecting above the upper edge thereof, a cover hinged on the upper ends of the flanges to normally occupy a position to overlie the equipment and upper ends of gas containers connected with said equipment and including an arcuately curved wall and segmental-shaped end walls integral with the arcuately curved wall, a flange formed on the upper edge of the plate and inclined upwardly and outwardly therefrom to extend within the cover at the hinged end thereof, a prop carried by the cover to engage the equipment for supporting the cover in an open position, and a semi-circular shaped plate secured on the inner face of the arcuately curved wall of the cover to extend partly between the gas containers.

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