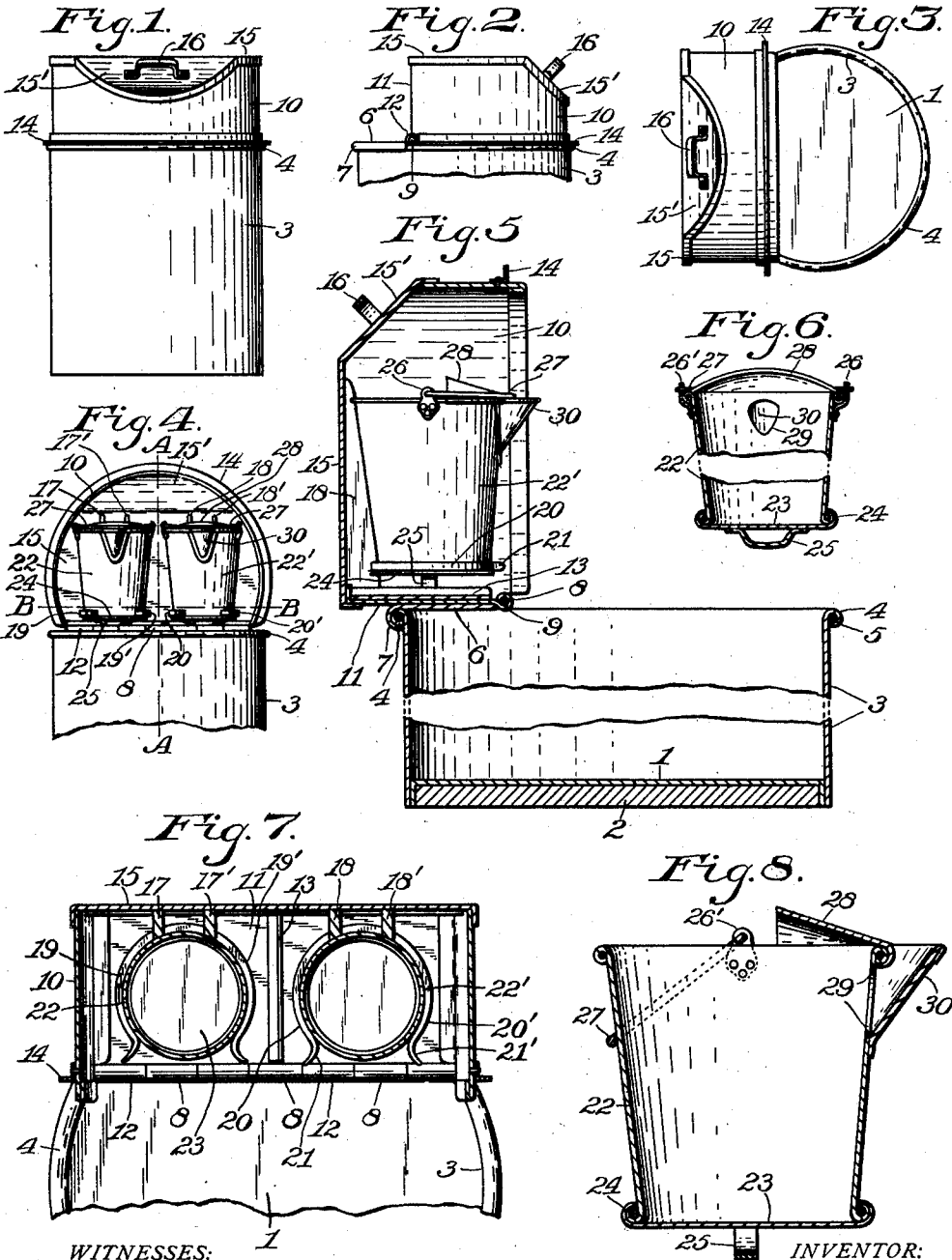


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 FIRE EXTINGUISHING APPARATUS.
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WITNESSES:

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UNITED STATES PATENT OFFICE.

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FIRE-EXTINGUISHING APPARATUS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ORVILLE E. GORDON, a citizen of the United States, residing at Rays Crossing, in the county of Shelby and State of Indiana, have invented certain new and useful Improvements in Fire-Extinguishing Apparatus; and I do declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to apparatus for the convenient and prompt use of watchmen or other employees in elevators, mills, factories and other establishments, whereby fires may be extinguished in their incipiency.

The object of the invention is to provide apparatus of the above-mentioned character that may be cheaply obtained and readily kept in condition for immediate use in all places where fire hazard is great, in order that destructive or damaging conflagrations may be prevented by any one at hand who may discover a fire that might be liable to cause damage; a further object being to provide simple portable fire extinguishing apparatus comprising buckets adapted to discharge either large or small quantities of water or fire extinguishing liquid and so constructed that they may not be conveniently used for other purposes, therefore will not be removed from their accustomed places by careless workmen for other than the purposes for which they are intended to be used.

With the above-mentioned and minor objects in view, the invention consists in apparatus comprising a tank to hold liquid and provided with a hollow lid and one or more buckets held removably under the lid for carrying the liquid from the tank to a fire, each bucket having a partially closed top and a spout so that liquid may either be poured rapidly from the uncovered portion or poured in small quantities from the spout, the bottom of the bucket being provided with a stiff handle for guiding the bucket in use and also to prevent the bucket from standing upright alone, so that it is

not adapted to be used for ordinary purposes, and the invention consists further in the parts, and combinations and arrangements of parts, as hereinafter particularly described and then defined in the accompanying claims.

Referring to the drawings, Figure 1 is a front elevation of the apparatus in normal position; Fig. 2, a fragmentary side elevation thereof; Fig. 3, a top plan of the apparatus with the bucket-holding lid of the tank opened, so that the apparatus may be used; Fig. 4, a fragmentary front elevation of the apparatus in position ready for use; Fig. 5, a sectional view on the plane of the line A A in Fig. 4; Fig. 6, a fragmentary vertical central section of the improved bucket; Fig. 7, a horizontal section on the line B B in Fig. 4; and Fig. 8, a vertical central section of the bucket at right angles to the section shown in Fig. 6.

Similar reference characters in the different figures of the drawings indicate like parts or features of construction herein referred to.

The apparatus as preferably constructed is made principally of relatively thin galvanized iron, so as to be cheap and durable, the tank comprising a circular bottom 1 preferably having a wooden reinforcement 2 under it, a cylindrical side wall 3 attached to the bottom and having a turned over stiffened bead 4 at the upper end thereof, the bead being preferably rolled over a wire ring 5. The rear portion of the tank has a cover part 6 suitably secured thereto preferably by turning the edge portion 7 thereof over the bead 4 and otherwise as may be desired, the cover part 6 having hinge members 8 on the forward edge thereof that are turned over a hinge rod 9. Another part to cover the remaining portion of the tank is constructed as a movable hollow lid comprising a front and side wall part 10 curved to conform to the curvature of the tank wall, a straight or flat back part 11 attached to the ends of the part 10 and adapted to rest on the cover part 6 when the lid is open, the lower edge of the back having hinge-members 12 thereon turned over the rod 9, the middle portion of the back 11

preferably having a reinforcing piece 13 on the inner side thereof.

The lid is preferably adapted to fit closely into the top of the tank and is provided on 5 the outer side thereof with a rim 14 to rest on the top of the tank and support the lid; or the lid may be otherwise fitted to the tank if desired. The lid comprises also a 10 15' that has a handle 16 thereon for moving the lid on its hinges. The lid is of suitable height to receive one or more buckets, and the arrangement is such that the lid when open extends rearward somewhat beyond the 15 tank, so that the greater portion of the tank may be opened to permit unobstructed access to the water or liquid therein. In some cases the tank may be relatively small, so that one bucket only may be accommodated, 20 but it is preferred that the tank have a capacity of approximately fifty gallons or more and each bucket to hold approximately two and one-half gallons, so that two buckets may be conveniently stored in the 25 lid of the tank.

The inner side of the top 15 of the cover is provided with two pairs of guides 17, 17' and 18, 18', the two guides of each pair being suitably spread apart, so that a bucket 30 may stand against them when the lid is open, each pair of guides having a spring clasp mounted thereon to hold the bucket when placed against the guides, the two clasps comprising curved arms 19, 19' and 35 20, 20', to embrace the bodies of the buckets, and the arms preferably have outwardly extending ends 21 and 21' to enable the buckets to force the arms apart when inserting the buckets in the clasps.

The buckets are alike, each comprising a 40 body part 22 or 22' and a bottom 23 attached to the body part, the lower portion of the body part having a relatively large bead or flange 24 thereon to engage the 45 under sides of the spring clasps to prevent accidental displacement of the buckets when held by the clasps. The under side of the bottom 23 has a stiff metal handle 25 thereon that prevents the bucket from standing 50 in upright position. The body of the bucket is provided as usual with ears 26, 26', to which a bail 27 is connected, and the top of the bucket is partially closed by a curved cover 28 below which is an aperture 55 29 in the body of the bucket, the body being provided with a spout 30 to conduct the liquid from the aperture when the bucket is tilted.

In practical use any suitable fire extinguishing liquid composition or water may be 60 kept at all times in the tank, and a suitable number of tanks may be distributed in different parts of a building, as will be understood, each tank being normally closed to 65 exclude foreign matter and to inclose the

buckets, so as not to be seen ordinarily by 70 trifiers who might be disposed to use them for other than the purposes intended, and in case of an accidental fire the lid may be tilted back on its hinges so as to stand in upright position, when it will be apparent 75 that any one may quickly by the exercise of a little force remove the buckets from their holding clasps and fill them at once in the tank, so that any one at hand may extinguish the fire without loss of time. When 80 the buckets are not required for use they should be replaced with their handles 25 resting on the back 11 of the cover and their bodies against the guides and secured by the spring clasps, and so held the lid may be drawn forward to its normal position and will normally support the buckets in substantially horizontal position ready for use 85 when again required.

Having thus described the invention, what is claimed as new, is—

1. Fire-extinguishing apparatus comprising a tank, a hollow lid hinged to the tank and normally covering the top thereof, a 90 pair of embracing arms mounted on the inner side of the horizontal top of the lid, supporting devices mounted on the inner side of the upright side of the lid, and a bucket removably held by the pair of embracing arms on the supporting devices. 95

2. Fire-extinguishing apparatus comprising a tank consisting of a bottom and a cylindrical side wall attached to the bottom, a relatively narrow cover part attached to the top of the side wall, hinges secured to the cover part, and a hollow lid comprising a curved front and side part adapted to enter the top of side wall and having a rim 100 thereon to rest on the top of the side wall, the lid comprising also a flat normally vertical back and a top attached to the front and side part, the forward portion of the top being inclined, the lower portion of the back being secured to said hinges, said back being adapted to rest upon said cover part 105 when said lid is open, and devices mounted on the inner side of the top of said lid for holding a bucket in horizontal position when the lid is in closed position and carrying the bucket to upright position on opening the lid. 110

3. Fire-extinguishing apparatus comprising a tank, a cover part secured on the rear 120 portion of the tank, hinge members on the cover part, a lid comprising front and side parts and a straight back and also a top having an inclined forward portion, the front and side parts normally resting on the top of the tank, the lower portion of the back having hinge members thereon connected to the hinge members of said cover part and having also two pairs of guides 125 on the inner side thereof, two buckets having each a handle on the bottom resting on 130

said back, each bucket having an annular projection thereon, two spring-clasps each mounted on a pair of the guides and embracing a bucket for carrying the bucket
5 from the horizontal to upright position, and a handle on the inclined portion of the top of the lid.

In testimony whereof, I affix my signature in presence of two witnesses.

ORVILLE E. GORDON.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
