

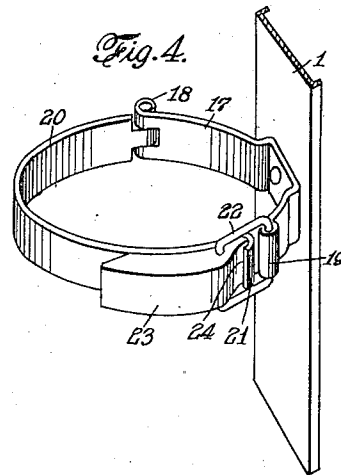
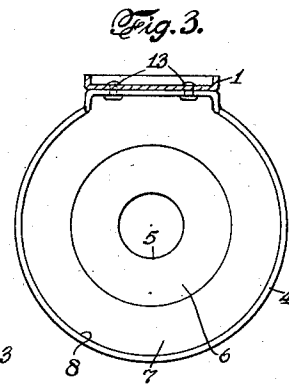
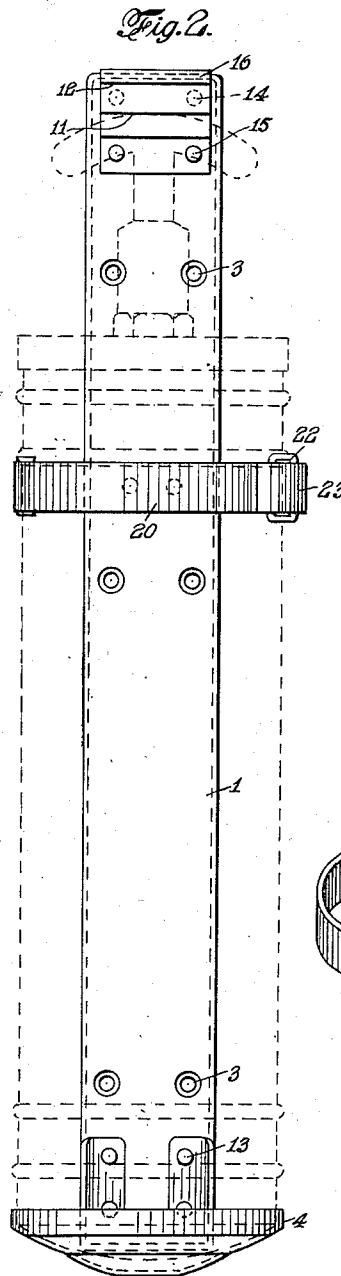
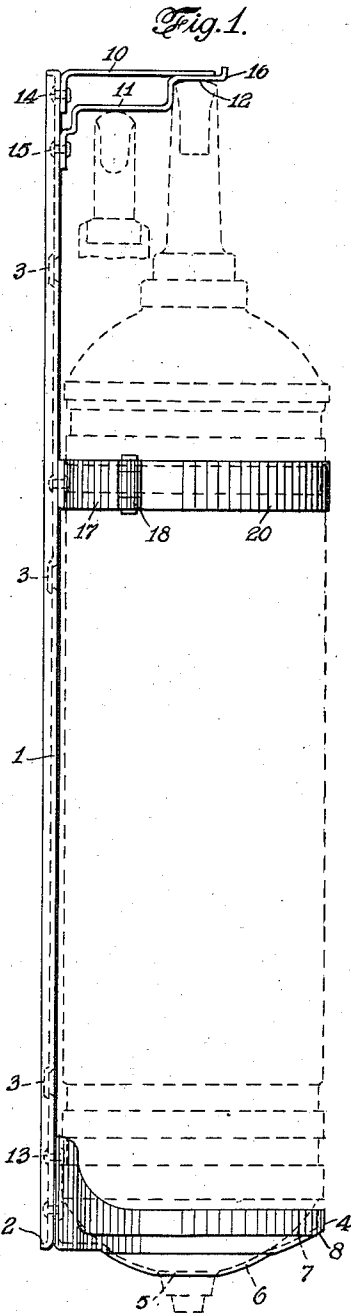
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SUPPORTING BRACKET FOR FIRE EXTINGUISHERS

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SUPPORTING BRACKET FOR FIRE
EXTINGUISHERS

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1 Claim. (Cl. 248—313)

My present invention has for its object to provide a bracket for supporting fire extinguishers, especially those of the hand pump type and one of its features resides in the assembly and shape of the parts whereby a variety of extinguishers of different shapes may be mounted on a single bracket without changing the relative positions of the parts.

To these and other ends my invention consists in certain improvements and arrangements of parts all as will be more fully described, the novel features thereof being pointed out in the appended claim.

In the drawing:

Fig. 1 is a side view of a bracket embodying my invention; Fig. 2 is a front view thereof; Fig. 3 is a plan view of the bottom supporting member; and Fig. 4 is a detailed perspective view of the retaining band.

Similar reference characters in the several figures indicate similar parts.

Fire extinguishers of the hand pump type are substantially of the same size, but vary slightly in details, and while my invention relates broadly to a fire extinguisher bracket I have so constructed it that it is adapted for universal use and may be used to mount any one of several of the present well known styles of extinguishers.

In constructing the bracket I employ a frame member adapted to be mounted on a wall or similar support, which is preferably made in the form of a channel piece 1 with narrow edge and end flanges 2, which serve to afford the desired rigidity. The channel piece is provided with apertures 3 for receiving screws or similar fastening devices. At the lower end of the channel piece and extending outwardly therefrom is a support for the lower end of the tank of an extinguisher. This in part is of a general circular outline to form a flange 4 for surrounding the rim or bottom edge of the extinguisher. The bottom of the support may be shaped to fit the end of the container or tank of any given extinguisher, but in practice I prefer to make it concave in form and provide it with a central opening 5. In addition to this general dish shape, I make the bottom in a plurality of concentric steps of different curvature as indicated by 6 and 7 and arrange the point of joinder of the latter with the bottom of the flange 4 so as to also provide a third seat 8. Each of these concentric portions is designed to receive one or another of well known types of extinguishers the general outline of two of which are shown by dotted lines in Figs. 1 and 2. In this way a very secure mounting is provided from

which the extinguisher cannot be dislodged accidentally and yet one which adequately protects the discharge nozzles and allows an extinguisher to be readily detached when required for service.

Extinguishers of the class mentioned embody interior pumps, the operating handles of which extend above the tops of the tanks. On a well known variety of extinguisher the pump handle is disposed centrally of the tank, as shown in dotted lines in Fig. 1 and on others they project at one side of the axis of the tank, as also shown in dotted lines. In all extinguishers of this type it is essential that the bracket support provide means for locking the pump handle against withdrawal, thus preventing them from being actuated and insuring that when an extinguisher is once filled and ready for use and mounted on the bracket it will be always ready for service. The uppermost edge or top of a pump handle in each form of extinguisher bears a fixed relation to the nozzle end or lower extremity of its tank, and to accomplish the above desired object with respect to a number of different extinguishers, I provide a locking arm 10 on the upper end of the wall member comprising a number of steps indicated by 11 and 12.

The bottom support may be made of cast metal or formed of a suitable stamping which is rigidly attached to the member 1 as by rivets 13. In constructing the arm 10, I preferably employ two or more pieces of strap material, as shown, which are separately secured to the member 1 by rivets 14 and 15, their over-lapping outer ends in the area of the step 12 being united by spot welding. In this assembly the strap piece which forms the lower step, such as 11, is provided with an upwardly turned extension 16 which not only presents a finished appearance to the assembled arm, but by reason of its curvature also facilitates springing the arm with a slight cam action into contact with the rounded edge of the pump handle of an extinguisher.

The extinguishers are removably secured to the bracket by a form of strap lock shown particularly in Fig. 4. This element comprises a rear segmental section 17 fixed to the wall member 1, the length of which is slightly less than the diameter of the tank and at its extremity is provided with two loops or eyes 18 and 19, the former carrying the strap 20 which is of sufficient length to substantially encircle the extinguisher tank. At its free end the strap 20 is formed into a hook 21. Carried in the eye 19 is a link 22 on the outer end of which is pivoted a latch member 23, curved at its inner surface to fit the contour

of the band 20 and in line with this surface it is provided with a nose portion 24 which normally rests in the hook 21, the arrangement of these parts being such that when the latch is in the closed position the strap 20 will be drawn into snug engagement with the extinguisher tank securely holding it in place on the bracket and yet capable of ready detachment.

What is claimed is:

10 A supporting bracket for use with various fire extinguishers of the hand pump type having bottom ends of different shapes, comprising a frame member adapted to be mounted in a supported

position, a bottom-supporting member extending outwardly from said frame member and including a perforated conical bottom formed with a plurality of concentric seats of different curvatures adapted to receive said differently shaped bottom ends and hold them against lateral displacement, and a handle-locking arm fixed on said frame-member and provided with stepped portions located at different levels with relation to said bottom-supporting member and adapted to overlie the pump handles of the extinguishers to which the respective seats correspond.

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