Dec. 16, 1952 R. N. LYON ET AL 2,621,912

RECEPTACLE

Filed April 29, 1947

Fig. 1.

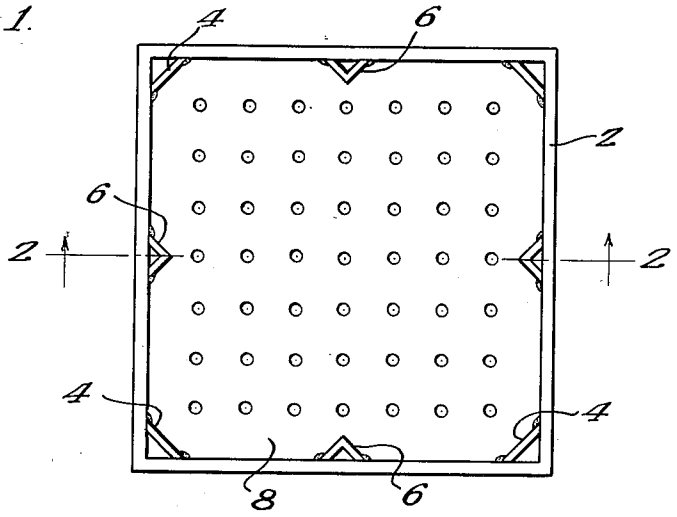
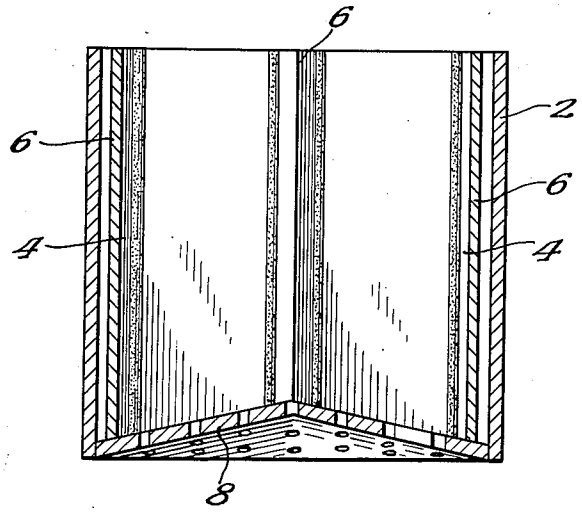


Fig. 2.



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RECEPTACLE

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3 Claims. (Cl. 263—47)

1

This invention relates to receptacles, and more particularly to a novel quenching container or basket comprising baffle means therein for positively effecting random distribution of elongated members to be quenched therein.

A general object of the invention is to design a novel receptacle through which a quenching or cooling fluid may flow, said receptacle having means for positively preventing orderly stacking or piling of members dumped down for quenching purposes.

The foregoing and other objects and advantages of the invention will be readily apparent from a consideration of the following specification and the accompanying drawings, wherein:

Fig. 1 is a top plan view of the novel receptacle; and

Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1.

Describing the invention in detail, the novel receptacle is preferably in the form of a square container or basket 2 having internal dimensions of about 17 inches on each side and comprising corner baffles 4, each extending about 2 inches along each side from the adjacent corner. A V-shaped baffle 6 extends from the top of the receptacle to the bottom wall thereof along each side wall at a point approximately intermediate the adjacent corners. The bottom wall 8 of the container is conical in shape with the peak of the cone extending into the container to afford baffle means cooperating with the baffles 4 and 6 for the purpose hereinafter described. The bottom wall 8 is perforated to accommodate passage of a quenching or cooling fluid therethrough.

In actual practice the receptacle is loaded with hot cylindrical slugs about 8 inches long and about 1.5 inches in diameter, said slugs being quenched or cooled by a coolant flowing through the basket. This may be accomplished either by passing the coolant through the basket or by inserting the basket in a body of coolant liquid.

It will be understood that the above-described

2

embodiment of the invention is merely by way of illustration and not limitation inasmuch as various modifications will be readily apparent to those skilled in the art without departing from the spirit of the invention or the scope of the appended claims.

What is claimed is:

1. A square container comprising a perforated conical bottom wall projecting into the container, internal baffles extending into the container from each corner and extending along each side wall approximately midway between the adjacent corners, the baffles extending from the bottom to the top thereof.

2. A quenching basket comprising a perforated conical bottom wall extending into the same, baffles extending along the sides of the container over substantially the entire depth thereof, and an internal baffle at each corner of the container.

3. A quenching basket comprising a rectangular structure in horizontal cross section with a perforated bottom wall projecting upwardly into the container, and baffles at each corner of the container and approximately midway along each side thereof, all of said baffles extending substantially the entire depth of the container.

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