

RECENTLY PATENTED INVENTIONS. Of General Interest.

NON-REFILLABLE BOTTLE.—A. A. JOHNSON, New York, N. Y. The improvement pertains to non-refillable bottles, and the object is to produce a bottle of very simple construction which can be constructed without the employment of metal parts or complicated valves, but which will operate effectively to prevent the refilling of the bottle.

TILE.—J. A. MCKEE, Jeffersonville, Ind. This invention provides a form of joint or fastening means for the abutting ends of drain tile sections. Two semi-circular sections of concrete or the like are provided each with a metallic reinforce and the ends of the reinforcing members extend beyond the concrete sections and are provided with clamping bolts or other suitable fastening means for drawing the semi-circular sections.

Hardware.

ATTACHMENT FOR THE JAWS OF VISES.—D. E. SHANKLAND and O. F. BROWN, White-river, Colo. The false grip jaws will incase the fixed jaws of a metal vise, be detachable therefrom and hold the bodies of bolts, rods of metal either round or angular, and also grip and hold the toe calks of horse shoes or like objects without injury thereto, and aid to give correct shape to the gripped angular calks.

DOOR-STOP.—R. R. SNOWDEN, Houston, Texas. The door-stop will operate efficiently to hold the door against closing, and is constructed in such a way as to facilitate the adjustment of the device to the edge of the door. In case the door is moved beyond the usual position on the stop, the stop will then operate as a resilient buffer to limit the further movement of the door.

Heating and Lighting.

OIL-BURNER.—J. W. PIPPIN, Brownwood, Texas. In operation, the tanks being supplied with oil and water respectively, oil is admitted to the pan and ignited. The heat will soon generate steam which will pass into the steam dome, whence the dry steam passes to the atomizer, spraying the oil from the heater onto the spreader. The excess steam passes through the heater, heating the oil therein, in its passage, and discharges through the discharge pipe.

Household Utilities.

WATER-CLOSET CABINET FOR INFANTS.—G. JOHNSON, Kaleva, Mich. The invention relates to an infant's cabinet or closet and the object is to produce a construction which will enable the infant to support his body in an easy position while he is seated. A tray provides a rest or guard for the infant to lean forward upon, and on which toys may be placed.

FIREPLACE-GUARD.—J. A. ATRY, Pinegrove, Miss. In this case the invention is a skeleton guard applied in front of fireplaces and open grates to prevent children falling into the fire. A wooden bar serves as a protector for an adjacent bar, and does not become heated sufficiently to become ignited and therefore not heated enough to burn a child as much as the metal guard bars.

KITCHEN SINK COVER.—ADAM GIFFEN DEMAREST, 216 West 22nd Street, New York. The device is in the form of a tray which may be placed on the kitchen sink to support dishpans and the like. Two large openings are formed in the tray directly under the faucets, so that when the water is turned on, it will pass through without splashing. In the illustrated notice of this sink cover published in the SCIENTIFIC AMERICAN, March 27th, 1909, Mr. Demarest's address was wrongly given as 216 West 26th Street.

Prime Movers and Their Accessories.

ROTARY ENGINE.—J. J. TANNER, Clover, Utah. The design of the inventor is to provide a rotary engine which may be easily reversed so as to run in either direction and which engine also embodies such features of construction as to allow it to be used as a brake when employed on a locomotive and going down hill.

Railways and Their Accessories.

DOOR FOR GRAIN-CARS.—LILLIE DIMICK, South Whitley, Ind. Broadly stated, this invention consists of a series of plates which are pivoted together so as to be movable with each other, and arranged in vertical position, and connected with transverse springs in such manner that their lower edges are held in close contact with the floor of the car when depressed by the load therein.

Pertaining to Vehicles.

ELECTRICALLY-PROPELLED ROAD-VEHICLE.—H. DUCASSE, 17 Rue Jean Goujon, Paris, France. The motor in this case has a fixed and rigid support upon the rear axle of the vehicle which support may also serve as the fixed point of attachment for the brake strap. The motor is absolutely independent of the frame, and thus preventing the vibrations of the motor in working and those due to inequalities of the ground being transmitted to the vehicle.

NOTE.—Copies of any of these patents will be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

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INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending

March 30, 1909,

AND EACH BEARING THAT DATE

[See note at end of list about copies of these patents.]

Table listing various inventions and their patent numbers, including items like 'Actuating mechanism, Pearson & Seward', 'Adding machine, D. B. Benton', 'Addressing machine, G. N. Hinchman', etc.

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Table listing various mechanical and electrical inventions and their patent numbers, including items like 'Collar stuffing machine, horse, W. B. Estes', 'Column turning machine bearing, J. Buffen', 'Concrete block mold, W. H. Falkner', etc.