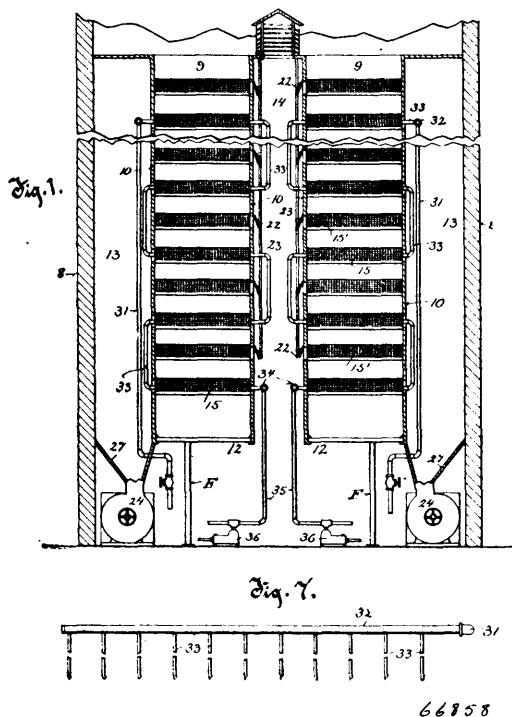


and described, the same consisting of a support pendant from the air distributor and adapted to oscillate therein, substantially as shown and described. 2nd. In a tubular lantern, the combination of means for retaining the lamp glass and air distributor in an elevated position, the same consisting of a support hinged to the air distributor, with a vertical guide and tubular standard, substantially as shown and described.

No. 66,858. Drying Kiln. (Four à sécher.)



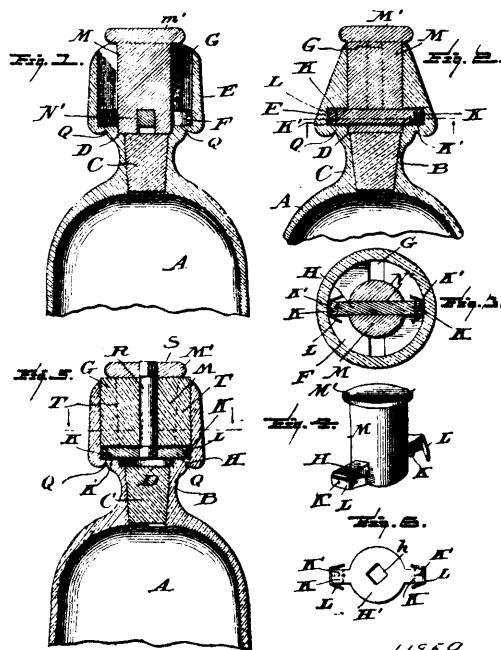
Fulton Robert Morris, Milwaukee, Wisconsin, U.S.A., 31st March, 1900; 6 years. (Filed 8th August, 1899.)

Claim.—1st. In a kiln for drying grain, the combination with a bin having opposite vertical walls with an air supplying chamber exteriorly at one side and an air exhaust chamber exteriorly at the other side, of a plurality of series screen covered air supplying conduits extending from the air supplying chamber through the bin substantially horizontally to and closed at the distant wall adjacent to the exhaust chamber, a plurality of series of air exhaust conduits extending from the air exhaust chamber through the bin substantially horizontally to and closed at the opposite wall adjacent to the air supplying chamber, the said air exhaust conduits of each series being disposed alternately above the series of air supplying conduits a main heat supplying pipe in the air supplying chamber, pipes leading from the main pipe through an upper series of air supplying conduits thence down to and through a series of air supplying conduits below and intermediate series of air exhaust conduits, thence down to and through another series of air supplying conduits below an intermediate series of air exhaust conduits and ultimately into a general discharge pipe. 2nd. In a kiln for drying grain, the combination, of a bin of considerable height having opposite vertical walls with an air supplying chamber at one side and an air exhaust chamber at the other side, a plurality of series of screen covered conduits extending from the air supplying chamber through the bin to and closed at the opposite wall, a plurality of series of air exhaust conduits extending from the air exhaust chamber through the bin to and closed at the opposite wall, the air exhaust conduits being arranged alternately above the several series of air supplying conduits, and doors at the discharging ends of the air exhaust conduits whereby the escape of the air into the exhaust chamber that had been taken into the bin through the air supplying conduits may be limited or prevented and held to escape directly upwardly through the grain in the bin partially or wholly. 3rd. An air conduit transversely of a grain bin, comprising a rigid frame secured at its ends to the walls of the bin and having longitudinally disposed sills and a ridge bar, a plurality of transverse bent ribs at distances apart secured to the sills and converging and secured to the ridge bar, and a screen like cover on the sides and top of the frame, the conduit being wholly unclosed at the bottom and the ribs and screen like cover being so arranged as to form a slanted roof to the conduit. 4th. In a drying kiln, the combination with a bin having imperforate walls of a screen or perforated lining at a little distance from and secured to the walls of the bin providing an air space between

the imperforate walls of the bin and said lining into which air can escape through the lining from within the bin. 5th. In a drying kiln, the combination with imperforate vertical and obliquely disposed walls of a bin, of a screen or perforated metal lining on the inside of said imperforate bin walls secured thereto at a little distance therefrom, and rails serving as partitions and supports for said lining in the space between said walls and said lining and forming upwardly extending exhaust air ducts in said space. 6th. In a drying kiln, a bin comprising imperforate side walls, screen linings at a little distance on the inside from but adjacent to said imperforate walls forming air spaces between said imperforate walls and said linings, and transversely disposed perforated intake air ducts across said bin and extending at one end or the other through the end walls of the bin.

No. 66,859. Non-Refillable Bottles.

(Bouteille non réemplissable.)



William H. Ferris and George Taylor Wade, both of Washington, District of Columbia, U.S.A., 31st March, 1900; 6 years. (Filed 16th March, 1900.)

Claim.—1st. A non-refillable bottle, comprising a neck having an annular groove in its outer wall, a locking bar mounted in an annular recess in the inner wall of the neck, and glass cutting wheels carried by said bar, and means for rotating said wheels, as set forth. 2nd. A non-refillable bottle having an annular groove in its outer wall and glass cutting wheels mounted inside the neck, and means for rotating said wheels against the inner wall of the neck opposite said groove, as set forth. 3rd. A non-refillable bottle having an annular groove in its outer wall, a locking bar seated in a recess in the inner wall of the neck, means for holding said bar in its locked relation, and glass cutting wheels carried by said bar, as set forth. 4th. A non-refillable bottle having an annular groove in its outer wall, a locking bar seated in an annular recess in the inner wall of the neck, glass cutting wheels journaled on said bar, spring flaps secured to the ends of the bar, and means for inserting the bar into the annular recess in the inner wall of the neck, and for rotating the wheels, as set forth. 5th. A non-refillable bottle having an annular groove in the outer wall of its neck, an annular recess in the inner wall of the neck opposite the groove in the outer wall of the neck, a locking bar seated in said inner recess, glass cutting wheels carried by said bar and disposed opposite the outer groove, and means for turning said wheels, as set forth. 6th. A non-refillable bottle having a neck with an outer annular groove, and an inner annular recess, a locking bar seated in said inner recess, glass cutting wheels carried by said bar and held against the inner wall of the neck opposite the outer groove, spring flaps carried by the bar to hold the latter in a locked relation, and a key for rotating said bar, as set forth. 7th. A non-refillable bottle having an annular groove in its outer wall, the inner wall of the neck having an annular recess, the vertical grooves leading to said annular recess in the inner wall, a locking bar, the glass cutting wheels carried by the latter, spring flaps for locking the bar in place, and a key having a notched lower end to receive said bar, whereby the latter is forced down into a locked position, and rotated therein, as set forth. 8th. A non-refillable bottle having a neck with an enlarged or widened upper end, and having an annular groove in the under edge of said widened