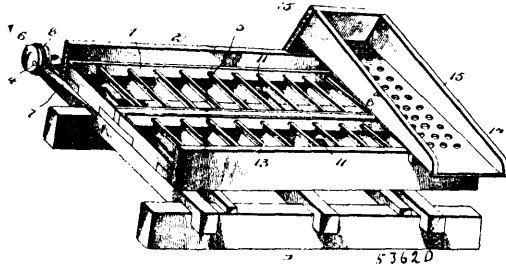


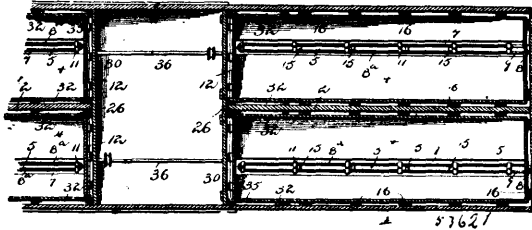
No. 53,620. Ore Concentrator. (Concentrateur de minerai.)



Merchant Stoddard and Charles H. Scott, both of Farmington, Iowa, U.S.A., 1st October, 1896; 6 years. (Filed 16th September, 1896.)

Claim.—In an ore concentrator, a riffle-pan comprising a rectangular tray having an imperforate bottom which is centrally and longitudinally depressed to form a V-shaped gutter, a series of transversely disposed riffles located in the bottom of the pan, the bottom edges of the riffles being separated from the bottom of the pan by intervening V-shaped spaces, and a pendant extension of the pan forming a pocket or receptacle which is arranged centrally of one end of the pan and at the terminus of the V-shaped gutter, substantially as and for the purpose described.

No. 53,621. Refrigerator Car. (Char réfrigérateur.)



Joseph Thomas and Jacob M. Truby, both of Starke, Florida, U.S.A., 1st October, 1896; 6 years. (Filed 9th September, 1896.)

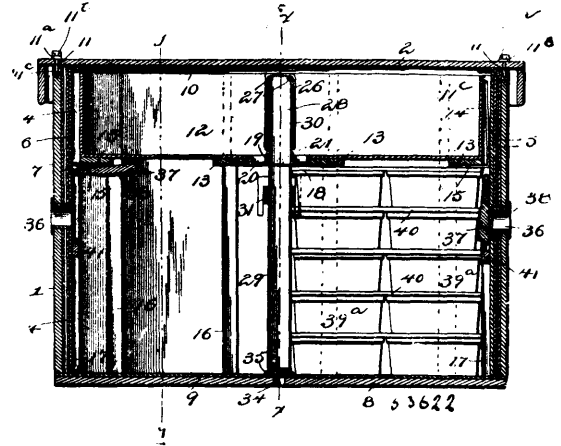
Claim.—1st. A refrigerator, provided at its top with an ice pan or receptacle, comprising vertical sides and ends, and a bottom having a longitudinal opening and provided with an upwardly-extending flange surrounding the opening, combined with screens disposed vertically above the flange and extending the entire length of the pan or receptacle, and forming an inverting air-space open at the top to permit an unobstructed circulation of air through the pan, said screens having their upper edges arranged in the same plane as the upper edges of the sides of the pan, vertically-disposed posts arranged within the space between the screens and extending from the upper edges of the latter to the lower edges of the flanges of the bottom of the pan, and means for securing the screens to the posts, substantially as described. 2nd. In a refrigerator, the combination of a platform provided with a longitudinal opening and inclined at opposite sides of the opening, transverse bars 15 supporting the platform and extending across the opening thereof, an ice pan or receptacle comprising vertical sides and ends, and a bottom having a longitudinal opening registering with the opening of the platform and sloping at opposite sides of the opening to fit the platform, said bottom being provided at opposite sides of the opening with depressions, or gutters 7, arranged in the opening of the platform, and supported upon the transverse bars 15, screens extending upward from the bottom of the pan at opposite sides of the opening from one end of the pan to the other, and vertical posts arranged at intervals between the screens, substantially as described. 3rd. The combination of a car, provided with a refrigerator-compartment, a rigid platform arranged at the upper portion thereof, an ice-receptacle mounted on the platform, uprights supporting the centre of the platform, a yielding-mounted platform arranged at the bottom of the compartment and supported by springs, the vertically-disposed bars 28, mounted on and movable with the yielding platform and located at intervals adjacent to the uprights and suitably connected and forming a shield to prevent the contents of the compartment from coming in contact with the uprights, and the end bars 21 and 22 carried by the platform and provided with springs interposed between them and the walls of the compartment, substantially as and for the purpose described.

No. 53,622. Refrigerator Crate. (Réfrigérateur.)

Joseph Thomas and Jacob M. Truby, Starke, Florida, U.S.A., 1st October, 1896; 6 years. (Filed 9th September, 1896.)

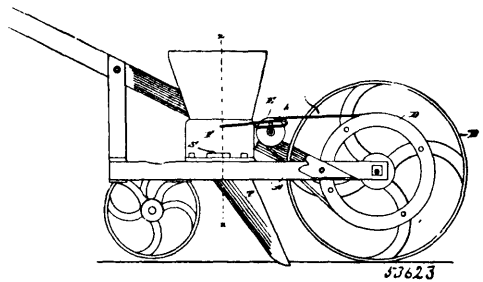
Claim.—1st. In a refrigerator, the combination of a box or body provided with a ventilating opening, an automatically-opening door arranged to cover the ventilating opening, a catch or latch for holding the door in a closed position, and a bar connected with the catch

or latch and arranged to project at the top of the refrigerator, and a removable cover arranged to engage the bar, whereby the door



will be automatically released when the cover is in position, substantially as described. 2nd. In a refrigerator, the combination of a box or body provided with an opening for ventilating it, a cover, an automatically-opening door arranged to cover the ventilating opening, a pivoted latch engaging the door to hold the same closed, and an operating bar connected with the latch and arranged to be engaged by the cover to release the door, and means for throwing the latch automatically in engagement with the door when the cover is removed, substantially as described. 3rd. In a refrigerator, the combination of a body or box, a removable ice-receiving pan or receptacle arranged within the box or body and provided with a discharge opening, a cover for the body or box, a cut-off arranged to cover the discharge opening of the pan or receptacle, and an operating rod or bar connected with the cut-off and arranged to be engaged by the said cover, whereby the cut-off is automatically opened when the cover is placed in position, substantially as described. 4th. In a refrigerator, the combination of a box or body provided with a ventilating opening, an automatically opening door arranged to cover the ventilating opening, a catch or latch for holding the door in its closed position, a removable cover for the box or body, and means for automatically throwing the catch or latch out of engagement with the door when the cover is placed in position on the box or body, substantially as described.

No. 53,623. Seed Planter. (Semoir.)



Hiram A. Bacon, Pontiac, Michigan, U.S.A., 1st October, 1896; 6 years. (Filed 10th September, 1896.)

Claim.—1st. In a seeder, the combination of a rotary block provided with a vertically disposed rim and openings of various sizes through said rim, a hopper into which a segment of the rim projects, a plurality of vibrating stirring fingers arranged to vibrate in front of the opening through said rim, and means for producing such vibratory motion, substantially as described. 2nd. In a seeder, the combination of a hopper, a rotary block projecting thereinto provided with a vertically disposed rim and holes through said rim of various sizes for the exit of seed, vibratory fingers adapted to vibrate in front of said opening, and a sliding valve arranged to graduate the size of the opening through which the seed passes, substantially as described. 3rd. In a seeder, the combination of a rotary block provided with a vertically disposed rim and openings of various sizes through said rim, a hopper into which a segment of the rim projects, means for forcing the seed from said hopper through the spout, and a looped drag adapted to cover the seed dropping from said spout, substantially as described. 4th. In a seeder, the combination of a rotary block provided with a vertically disposed rim and openings of various sizes through said rim, a hopper through which a segment of said rim projects, a plurality of vibrating stirring fingers arranged to vibrate in front of the opening through said block, a pair of marking guides, one located on each side of the seeder frame, a flexible shifting cord the ends of which are secured