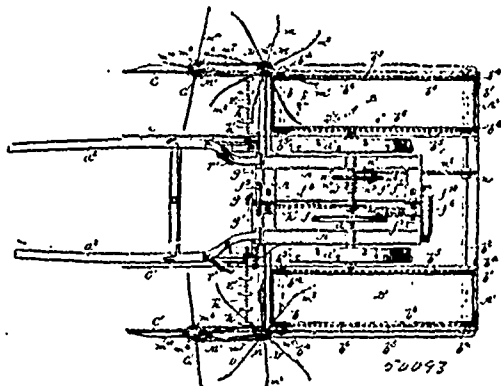


engage the teeth of the lifting-bar, the engaging end of the lever and its attachments to the standard being inclosed in a bifurcated portion in the upper part of said standard, the lever extension 15, provided with a socket to engage the end of said lever, the hangers 10 and bolt 12 for supporting from the cap-plate the lever at its fulcrum, the cap-plate 2, the angular spring actuated ratchet-catch 3 pivoted to the cap-plate, the guard-plate 14 confining the lifting-bar in the standard and to the slotted plate 7, all substantially as shown and described.

No. 50,093. Corn Harvester. (Moissonneuse.)



Thomas A. Chapman, Criglerville, Edward Purcell, jr., Oliver B. Martz, both of Harrisonburg, all in Virginia, U.S.A., 27th September, 1895; 6 years.

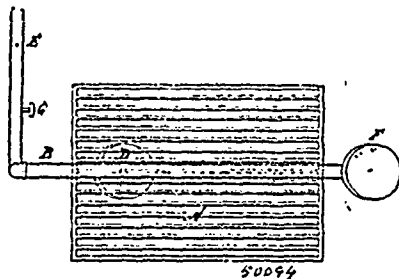
Claim.—1st. In a corn cutter and harvester, the combination of a draft frame mounted upon wheels, reciprocating cutters mounted upon each side of the same, inclined forwardly projecting frames for raising fallen stalks into an upright position to be cut by said cutters, and revolvable aprons adapted to catch and deposit the cut stalks in piles, substantially as described. 2nd. In a corn cutter and harvester, the combination of a draft frame mounted upon wheels, reciprocating cutters mounted upon each side of the same, inclined forwardly projecting frames for raising fallen stalks into an upright position to be cut by said cutters, revolvable aprons adapted to catch and deposit the cut stalks in piles, and rotary reels for raising and guiding fallen stalks and causing them to fall upon the said aprons when cut, substantially as described. 3rd. In a corn cutter and harvester, the combination of a draft frame mounted upon wheels, reciprocating cutters mounted upon each side of the same, revolvable aprons adapted to catch and deposit the cut stalks, and inclined frames upon each side of the aprons and projecting forward of the same and adapted to straighten the fallen stalks for cutting, and prevent the cut stalks from slipping sideways from said apron, substantially as described. 4th. In a corn cutter and harvester, the combination with a draft frame mounted upon wheels, reciprocating cutters mounted upon each side of the same, inclined forwardly projecting frames for raising fallen stalks into an upright position, revolvable aprons adapted to catch the cut stalks, gearing for connecting said aprons with the moving parts of the machine, and a clutch whereby said gearing may be thrown in or out of gear at will, substantially as described. 5th. In a corn cutter and harvester, the combination with a draft frame mounted upon wheels, of reciprocating cutters mounted upon each side of the same, revolvable aprons, means for starting or stopping them at will, inclined frames upon each side of the aprons and projecting forward of the same and adapted to straighten the fallen stalks for cutting and prevent the cut stalks from slipping sideways from said aprons, substantially as described. 6th. In a corn cutter and harvester, the combination of a draft frame mounted upon wheels, reciprocating cutters mounted upon each side of the same, revolvable aprons adapted to catch and deposit the cut stalks, inclined frames upon each side of the aprons and projecting forward of the same, and adapted to straighten the fallen stalks, reels having arms revolving in a plane parallel with the inclined edges of said frames for raising fallen stalks, and reels having horizontal arms for holding the stalks vertical, substantially as described. 7th. In a corn cutter and harvester, the combination of a draft frame, cutters, revolvable aprons adapted to receive and deposit the cut stalks and reels for straightening fallen stalks, each consisting of a vertical shaft carrying pivoted reel arms, and a sleeve having an inclined upper edge upon which said arms rest, substantially as described.

No. 50,094. Furnace. (Fornaise.)

Cleophas Rochette, Quebec City, Que., Canada, 27th September, 1895; 6 years.

Claim.—1st. In combination with a furnace or furnaces, an exhaust steam pipe E leading from the engine, in front of one or more furnaces, pipe C having a key or stop valve G connected to the pipe E, and leading into each furnace under the front end of the fire-grate, steam scatterer or distributor D attached to the end of the

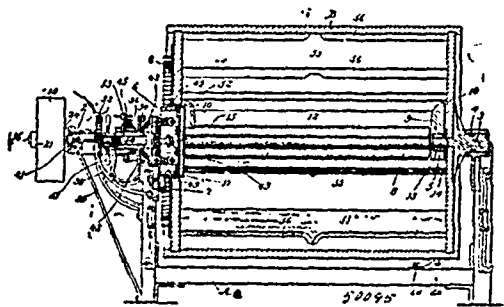
pipe C, substantially as and for the purpose hereinbefore set forth. 2nd. In combination with one or more surfaces, an exhaust steam



pipe E leading from the engine in front of one or more furnaces, pipe B having a key or stop-valve G connected to pipe E, and leading into each furnace over the fire-grate, steam distributor F attached to the end of pipe B over the fire-grate at the inner or rear end thereof, substantially as and for the purpose set forth. 3rd. In combination with one or more furnaces, an exhaust steam pipe leading from an engine to near the front of one or more furnaces, a pipe having a steam distributing nozzle at its inner end attached to said exhaust steam pipe and leading under the fire-grate, a pipe having a steam distributing nozzle at its inner end attached to said exhaust steam pipe and leading over the fire grate, and the necessary valves or stops, substantially as and for the purpose hereinbefore set forth.

No. 50,095. Churn and Butter Worker.

(Baratte et batte à beurre.)



Charles S. Brown and Frank B. Fargo, both of Lake Mills, Wisconsin, U.S.A., 27th September, 1895; 6 years.

Claim. 1st. In a churn and butter worker, the combination with a frame, of a cylindrical drum, a gudgeon fixed to one head of the drum, said gudgeon being journaled on the frame and provided with means to prevent endwise movement of the drum, a hollow or chambered annular gudgeon fixed to the other head of the drum about an aperture of considerable diameter therethrough, idle supporting wheels axled on the frame on which wheels the hollow gudgeon rests and travels, and means for securing the gudgeon on the wheels against endwise movement, substantially as described. 2nd. The combination with the revolvable drum of a churn and butter worker, of a rigid roller-carrying frame mounted revolvably and concentrically with the axis of the drum, substantially as described. 3rd. The combination with the revolvable drum of a churn and butter worker, of a rigid roller carrying frame, comprising a plate or head at the rear end, a plate or head at the front end and parallel rigidly attached connecting bars, an arbour fixed in the head of the drum on which the roller-carrying frame is axled at one extremity, and means at the other end of the drum for correspondingly supporting the roller-carrying frame, substantially as described. 4th. The combination with the revolvable drum of a churn and butter worker, of a rigid roller-carrying frame in the drum, an arbour fixed in the head of the drum on which the frame is axled at that end, butter working rollers in the frame, a releasable partial head secured to and making a part of the frame at the other end of the drum, a spider in which the journals of the rollers extending through the releasable head are journaled, and a pin insertable through the frame and in the spider whereby the roller-carrying frame is held against revolution, substantially as described. 5th. In a churn and butter worker, the combination with a frame, and a drum having a head with a central aperture of considerable diameter therethrough, said head being provided with a hollow gudgeon or bushing about the aperture fixed therein, of a head or cover for said aperture arranged to bear releasably against the inner end of said gudgeon, a spider 42, in front of said aperture, said spider having legs adapted to bear against the outer end of the hollow gudgeon, a yoke connected flexibly to said cover, said yoke having a stem extending movably through said spider, and a nut turning on said stem against said spider whereby