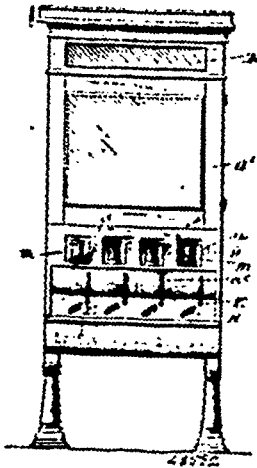
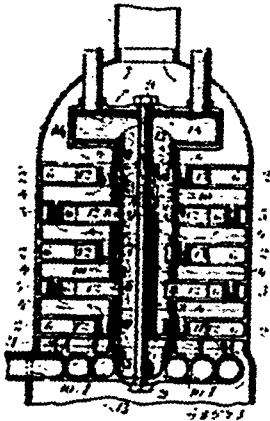


eccentric bottom of said chute, containing a shoulder adapted to engage the proper coin between it and the eccentric bottom of the chute and thereby throw the pawl upon the pivoted block into engagement with the delivering mechanism, and a surface adjacent to said shoulder adapted to roll along the top of the coin, and retain



said pawl in engagement until the action of the delivering mechanism is completed, substantially as described. 3rd. In a device of the class described, the combination, with the casing having suitable coin actuated delivering devices and an operating handle, of a coin chute and a by-pass, said coin chute having a movable portion provided with a spring adapted to put it into register with the by-pass, and means connected with the operating handle for forcing said movable portion into register with the remainder of the chute when said operating handle is in proper position for the insertion of a coin in the machine, substantially as described. 4th. The combination in a coin actuated vending machine with a suitable casing containing a receptacle for merchandise, a coin chute, an operating handle, and coin actuated delivering mechanism adapted to be engaged with said handle by the passage of the proper coin, of a by-pass for smaller coins, and a switch adapted to divert said smaller coins into said by-pass, said switch being connected with the operating handle, whereby it may be removed from its working position by the movement of the handle, substantially as described. 5th. In a coin actuated vending machine, the combination, with a suitable casing containing a merchandise receptacle and coin actuated delivering mechanism for delivering said merchandise, of a movable advertising surface, a bell adjacent thereto, a hammer adapted to strike the same, connecting devices between said advertising surface and said delivering mechanism adapted to move said advertising surface, and connecting devices between said delivering mechanism and said hammer adapted to operate the latter as each package of merchandise is discharged from the casing, substantially as described.

No. 48,592. Hot Water Heater. (Calorifère à eau.)

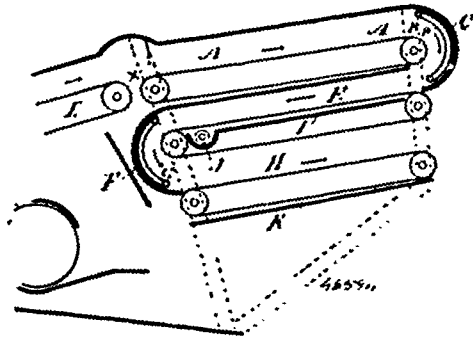


Thomas Stubbs Bayles, Toronto, Ontario, Canada, 3rd April, 1895; 6 years.

Claim.—1st. In a water heater, a hollow section having an opening at its centre and flanges on both sides at said centre and at the periphery, and having flues extending through the section and walls and parts within, substantially as shown and described. 2nd. In a water heater, a section composed of a spiral pipe and having a well at centre into which the inner end of said pipe discharges, substantially as shown and described. 3rd. In a water heater, the com-

bination of a spiral hollow section having a well at its centre, with a hollow flanged section having a central opening therein, flues through the section as specified and ports and walls therein, substantially as and for the purpose set forth. 4th. In a water heater, the combination of a spiral hollow section having a well at its centre, a flanged hollow section adapted to fit in close contact with said spiral section and having a well at centre and having a cross-wall therein and flues, ports, and walls as specified, and a distributing section as specified adapted to receive a number of pipes therein, substantially as shown and described. 5th. In a water heater, the combination of a spiral hollow section having a well at its centre, a series of flanged hollow sections secured in close contact on one another at the flanges near their centre and periphery, said hollow sections having flues through them, and ports and walls as specified within them, a distributing hollow section secured above said series of hollow sections, and a bolt securing all said sections together, substantially as and for the purpose set forth.

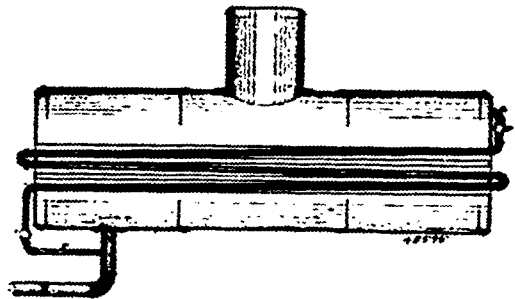
No. 48,594. Grain Separator. (Séparateur à grain.)



Hezekiah Baily, and William Lorenzo Gilson, both of Sheriden, Oregon, U.S.A., 3rd April, 1895; 6 years.

Claim.—In a grain separator, the combination of the forwardly moving endless carrier A, H, one below the other, the concave casings C, F, the concave-faced endless carriers D, G, and the intervening backwardly-moving endless carrier E, substantially as set forth.

No. 48,595. Steam-Boiler. (Chaudière à vapeur.)



Henry Calcutt, Ashburnham, Ontario, Canada, 3rd April, 1895; 6 years.

Claim.—1st. An improvement in steam-boilers which consist of a combination of water tubes laid through the flues and connected to the boiler, substantially for the purpose hereinbefore set forth. 2nd. An improvement in steam-boilers which consists of a combination of water tubes H, H, H, laid through the flues and connected together by return heads and branch heads C, C, and D, D, branch head C, C, being connected to boiler by pipe F, in connection with boiler supply pipe E, branch head D, D, being connected to boiler by the pipe G, substantially as and for the purpose hereinbefore set forth.

No. 48,596. Mining Machine. (Machine de mine.)

Benhard Yoch, Belleville, Illinois, U.S.A., 3rd April, 1895; 6 years.

Claim.—1st. In a mining machine, a shoe adapted to operate as a friction brake against a wheel of the machine, or as a wedge brake between the wheel and the support of the machine, in combination with means for raising and lowering the shoe, and means for applying pressure to the shoe, substantially as set forth. 2nd. In a mining machine, a shoe adapted to operate as a friction brake against a wheel of the machine, or as a wedge brake between the wheel and the support of the machine, in combination with means for applying pressure to the shoe, and means for raising and lowering the shoe, consisting of a shaft, a lever on the shaft, and a rod and arm connection between the shoe and the lever, substantially as set forth.