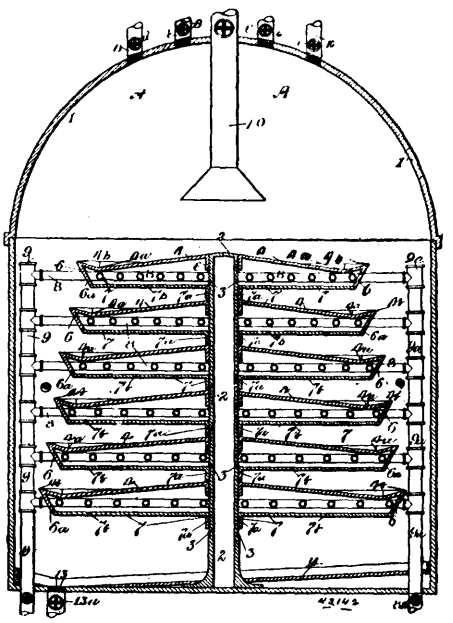
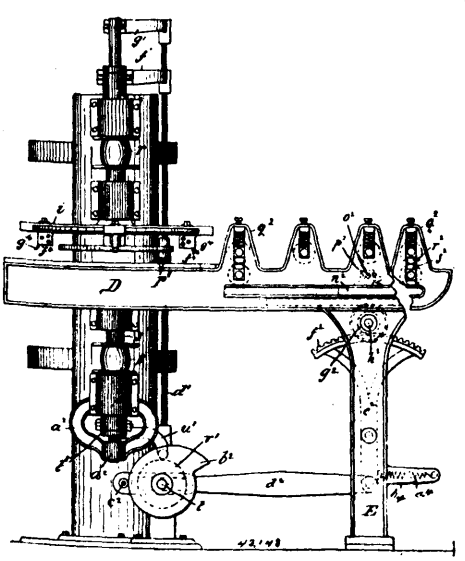
described. 3rd. In an apparatus for vapourizing oil, the combination of the outer shell, a series of metallic distributing plates



suitably supported within said outer shell, the upper face of each of the distributing plates inclined downwardly from its middle to a point near its periphery and inclined upwardly from said point to its periphery, a downwardly projecting flange incompassing its edge, said flange inclined inwardly to enable the distributing plate next below it to overlap the lower edge of said flange, a supply pipe entering said outer shell and adapted to feed the oil to the distributing plates, a vapour dome within said outer shell and pipes entering said outer shell and adapted to carry away the vapours from the said vapour dome, substantially as described.

No. 43,143. Wood Working Machine.

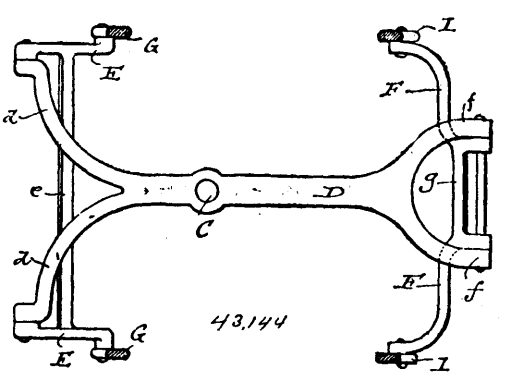
(*Machine à travailler le bois.*)



James Henry Reed, Lynn, Massachusetts, U.S.A., 7th June, 1893; 6 years.

Claim.—1st. A wood working machine comprising a horizontal table or bed upon which the wood is supported while it is being cut, a vertically movable clamp member co-operating with the said table or bed, two vertically movably cutter heads, means for rotating the said cutter heads, vertical rods carrying the movable clamp member and horizontal table or bed aforesaid, vertical sleeves carrying the cutter heads and surrounding the said rods, levers operatively connected with the said sleeves, and the rod of the movable clamp member, rods d^1, e^1, yokes m^1 m^1, cams b^1, c^1, in engagement with said yokes, and cam b^1 acting upon the lever connected with the sleeve of the lower cutter head and horizontal shaft t, carrying the said cams, substantially as described. 2nd. The combination in a wood working machine, with a horizontal bed for the wood, of a vertically movable rotary cutter head and cutters, mechanism for rotating said cutter head, and moving the same vertically, a vertically movable clamp member for holding the wood, and actuating mechanism therefor, with a sliding cross bar, and feed dogs thereon, and actuating mechanism for said cross bar, whereby after a disc is cut, and the clamp is withdrawn the wood will be led forward to subject another portion thereof to the cutters, substantially as shown and described. 3rd. The combination in a wood working machine, with a horizontal bed for the the wood and clamping and cutting mechanism therefor, of the cam b^2, the connection d^2, the vertical lever e^2, and its sector, the gear g^2, the rack and pinion k^2, j^2, and the cross frame and feed dogs pivoted thereon, substantially as shown and described. 4th. The combination, with disc forming mechanism, of a receptacle for blanks, a pusher for moving said blanks successively forward to the said mechanism, means for operating the said pusher and gauges for the blanks disposed adjacent to the disc forming mechanism, and opposite sides thereof, and of the line of feed, the blanks lying between the said gauges, while the discs are being produced therefrom, substantially as described. 5th. The combination, with disc forming mechanism, of a receptacle for blanks, a pusher for moving said blanks, successively forward to the said mechanism, means for operating the said pusher, and gauges for the blanks disposed adjacent to the disc forming mechanism, and on opposite sides thereof, and of the line of feed, the blanks lying between the said gauges while the discs are being produced therefrom, one of said gauges being pressed yieldingly towards the other, substantially as described. 6th. The combination, with a disc forming mechanism of a receptacle for blanks, a pusher for moving said blanks successively forward to the said mechanism, means for operating the said pusher, gauges for the blanks disposed adjacent to the disc forming mechanism, and on opposite sides thereof, and of the line of feed, the blanks lying between the said gauges while the discs are being produced therefrom, and devices acting to move one of the said gauges toward the other at intervals to compress the blanks edgewise, substantially as described.

No. 43,144. Chair. (*Chaise.*)



Fred. Albert Dennett, Sheboygan, Wisconsin, U.S.A., 7th June, 1893; 6 years.

Claim.—1st. In a chair, the combination of a stationary base, and a pivotal seat having an oscillating rocking movement, substantially as set forth. 2nd. In a chair, the combination of a stationary base, a spindle free to turn in the base, and an oscillating rocking seat connected to the spindle, substantially as set forth. 3rd. In a chair, the combination of a stationary base, a spindle free to turn in the base, a bar extending in opposite directions from the spindle, links pivotally connected to the bar, and a seat having depending arms also pivotally connected to the links, substantially as set forth. 4th. In a chair, the combination with a base, of a bar supported thereon, and a seat connected to the bar in such a manner as to have an oscillating rocking movement, substantially as set forth.

No. 43,145. Chair. (*Chaise.*)

Fred. Albert Dennett, Sheboygan, Wisconsin, U.S.A., 7th June, 1893; 6 years.

Claim.—1st. An improved base for rocking chairs, comprising upper and lower base sections united together in pairs, entirely within the extremities of each of said sections, and pivot hangers wholly external to the points of union of said base sections, substantially as set forth. 2nd. An improved base for rocking chairs, comprising upper and lower base portions united together solely within the ends, pendent hangers connected pivotally to the ends of the upper base portions and a chair body pivotally connected to the lower ends of said hangers entirely external to the points of union of said base portions, substantially as set forth. 3rd. An improved base for