

No. 8054. Improvements on Spring Hinges.*(Perfectionnements aux pentures à ressorts.)*

Lorenz Bommer, Brooklyn, N.Y., U.S., 2nd November, 1877, for 5 years.

Claim.—1st. In a spring butt-hinge, the combination with the swinging and stationary flanges or wings A A; having seats B, the seats of the swinging flange having fixed top and bottom buttons of a centre pin rivetted to the buttons, and of a spiral spring secured to a fixed and movable pin socket, of the stationary flange; 2nd. In a butt-hinge, the swinging flange or wing plate, being cast in one piece with the ornamental top and bottom buttons of the hinge; 3rd. The stationary flange A' having a fixed lower and detachable top socket, both provided with annular recesses, in combination with a flanged incasing sleeve D rivetted to plate A'.

No. 8055. Apparatus for Mashing and Grinding Materials for Distilleries.*(Appareil pour écraser et moulinier les matières de distilleries.)*

Gustav Ellenberger, Darmstadt, Germany, 2nd November, 1877, for 5 years.

Claim.—1st. The reduction and mashing of vegetable substances, and preparing the same for fermentation, the process which consists in, first subjecting said substances (which have not been divided or reduced or crushed previously) to steam under pressure, afterwards grinding the same while hot in a steam jacket vessel to a fine pulpy mass, and when said mass is partially cooled adding the requisite malt, which is followed by artificial cooling and the addition of yeast; 2nd. The production of a preparation of malt in the form of malt milk, by means of the described apparatus, in such manner that malt and water are introduced into the mashing tub and subjected to the action of the drum; 3rd. The intimate incorporation of said malt milk with the mash in the same mashing tub; 4th. The steam chamber having a conical bottom, in combination with the apparatus for introducing uniformly steam into the said steam chamber; 5th. The combination with the steam chamber, of the mashing tub, in such manner that the steam chamber is placed above or on the side of the mashing tub; 6th. In combination with a steam chamber and mashing tub, the pipe r and the exhaust pipe, provided with the cone and an injector apparatus; 7th. In a mash machine, the drum with knives or teeth cast or screwed on the same; 8th. The drum, in combination with its shaft running in bearings, which are placed in eccentric movable boxes; 9th. In a mash tub provided with a central division plate, the inclined raised partition situated behind the revolving drum; 10th. A mash tub provided with a central division plate, recess situated before the revolving drum; 11th. The mashing tub provided with a partition plate, double sides and bottom, elevated inclined partition recess, revolving drum, bed plate and movable plate; 12th. The opening A which can be closed, in combination with the slide r.

No. 8056. Improvements on Gates.*(Perfectionnements aux barrières.)*

Jacob Von Hickman, Springport, Ind., U.S., (Assignee of Charles T. Harris), 2nd November, 1877, for 5 years.

Claim.—1st. In a sliding gate, the travellers d centrally secured in the lower ends of the bars D, the periphery of the rear traveller being slightly

above, and that of the forward traveller below the lower ends of said bars, in combination with the track f; 2nd. The double gate posts E, in combination with the gate A provided with the travellers d and inclined track f.

No. 8057. Improvements on Milk Coolers.*(Perfectionnements aux boîtes à lait.)*

Henry A. Hamm, Cazenovia, N.Y., U.S., 2nd November, 1877, for 5 years.

Claim.—1st. The combination and arrangement with a milk-pan set within a water pan, having a water outlet underneath the milk pan, of a water inlet arranged around the exterior of the pan at or near the top thereof, to apply the cold water first at the top of the pan and uniformly on all sides; 2nd. The arrangement with the milk pan A within the tank B, and having a water space around its sides and bottom, of the perforated pipe p extended around the pan inside the water tank, at the top of its vertical sides, and the perforated pipe d arranged longitudinally central underneath the pan.

No. 8058. Improvements on Folding Seats.*(Perfectionnements aux pliants.)*

John S. Kapple, Cleveland, Ohio, U.S., 2nd November, 1877, for 5 years.

Claim.—1st. A seat formed with a stationary back and uprights A, a folding seat bottom C, hinged leg support and a swinging brace, the latter pivoted to a rigid cross-bar; 2nd. The combination with the folding seat bottom C and folding leg support G, of folding side arms or supports B; 3rd. In combination with the side arms provided with the slotted lugs c c, the seat bottom C provided with tapering lugs or pins e e; 4th. In combination with the seat bottom and leg support, of the wedge hinge I J; 5th. The combination with the folding seat bottom and hinged leg support, of the hat rest E, the latter supported on a swinging brace that is pivoted to a rigid cross-bar; 6th. The seat having sides and seat bottom, adapted to fold against the seat back and folding foot rest, or kneeling board; 7th. A seat constructed with folding sides, seat bottom, hat rest and foot rest; 8th. The combination in a single seat, of folding seat bottom, folding leg support, folding hat rest and folding side arms; 9th. A concave or grooved concavity for the reception of the ends of the back slats of a seat, whereby said seat may be set upon a curve or circle; 10th. The combination of the back slats of a seat, made curved or otherwise, with a groove or concave recess for the reception of the ends of the slat; 11th. The seat casting provided with the hinge A, recess p and curved recess, for the reception of the slats; 12th. The piece consisting of an angle iron affording a rest and an abutment to the bottom as well as seat, and provided with a lug or projection e; 13th. The spindle or link consisting of the single casting, so formed as to admit of a free and unobstructed movement of the parts of the seat when folded, and at the same affording a means of attachment for a hat rest.

Lists of Patents issued up to 27th November, 1877, but not yet Officially published in the Patent Office Record.

No. 8059. J. C. Allen, (Assignee of J. Fowler, R. K. Smither, all of Buffalo, N.Y., U.S.A.), "Bougies," 2nd November, 1877.

No. 8060. J. Graceen, New York, U.S.A., "Wringer Roll," 2nd November, 1877.

No. 8061. J. H. Green, Canadaigua, N.Y., U.S.A., "Improved Threshing Machine," 2nd November, 1877.

No. 8062. M. A. Marten and E. H. Winchell, both of Chicago, Ill., U.S.A., "Car Ventilator," 2nd November, 1877.

No. 8063. A. C. Norcross, Boston, Mass., U.S.A., "Regulator for Steam Boilers," 2nd November, 1877.

No. 8064. T. R. Hyde, Westerly, R.I., U.S.A., "Wooden Soled Shoe," 2nd November, 1877.

No. 8065. A. L. Munsen, New York, U.S.A., "Automatic Screw Machine," 2nd November, 1877.

No. 8066. C. Maggio, Montreal, Que., "Soap," 2nd November, 1877.

No. 8067. A. Berry, Waterloo, Que., "Car Truck," 2nd November, 1877.

No. 8068. W. W. Whitcomb and S. A. Brackett, both of Boston, Mass., U.S.A., "Self-stayed Seam," 2nd November, 1877.

No. 8069. H. Aitken, Falkirk, Scot., "Process of Making Illuminating Gas," (Re-issue of Patent No. 4613), 2nd November, 1877.

No. 8070. W. G. Warden, Philadelphia, Pa., U.S.A., "Ship for Transporting Petroleum, &c.," (Extension of Patent No. 1736), 2nd November, 1877.

No. 8071. J. Grover and T. Grover, Toronto, Ont., (Assignees of N. T. Worthley, Brunswick, Me., U.S.A.), "Washing Machine," (Extension of Patent No. 1753), 7th November, 1877.

No. 8072. C. Barber, Meaford, Ont., "Turbine Water Wheel," (Extension of Patent No. 1743), 7th November, 1877.

No. 8073. F. C. Lillis, (Assignee of L. A. Kebasz), Lockport, N.Y., U.S.A., "Faucet," 7th November, 1877.

No. 8074. C. F. A. Hinrichs, (Assignee of C. Reistle, of Brooklyn, N.Y., U.S.A.), "Lamps and Mineral Wicks for same," 7th November, 1877.

No. 8075. C. T. Brandon, Toronto, Ont., "Automatic Leg Planer and Groover," 8th November, 1877.

No. 8076. H. F. Howell, Sarnia, Ont., "Apparatus for Treating Ores," 9th November, 1877.

No. 8077. T. H. Fuller, Boston, Mass., U.S.A., "Horse Shoe Nail Machine," (Extension of Patent No. 1757), 10th November, 1877.

No. 8078. T. H. Fuller, Boston, Mass., U.S.A., "Horse Shoe Nail Machine," (Extension of Patent No. 1758), 10th November, 1877.

No. 8079. T. H. Fuller, Boston, Mass., U.S.A., "Horse Shoe Nail Machine," (Extension of Patent No. 1759), 12th November, 1877.

No. 8080. G. M. Cossitt and N. Cossitt, Brockville, Ont., (Assignees of C. M. Titus, Ithaca, N.Y., U.S.A.), "Wheeled Horse Rake," (Extension of Patent No. 1790), 13th November, 1877.

No. 8081. A. Hamlin, Almonte, Ont., "Dog Power," 13th November, 1877.

No. 8082. F. Dietrich, Murten, Switzerland, "Improvements in the Treatment of the Residuous of Wine Making," 13th November, 1877.

No. 8083. A. Israel and J. Hull, Kinniswick, Miss., U.S.A., "Clothes Wringer," 13th November, 1877.

No. 8084. J. Magee, Chelsea, Mass., U.S.A., "Sink Trap," 13th November, 1877.

No. 8085. C. Dion, Chambly Basin, Que., J. Baylis, Montreal, Que., "Improvements in Stoves and Furnaces," 13th November, 1877.

No. 8086. E. Hamer and J. Metcalfe, Aberystwith, Wales, and E. Davies, Pontypridd, Glamorgan, Wales, "Steam Injector," 13th November, 1877.

No. 8087. G. Marskell, (Assignee of C. C. Roe), both of Hamilton, Ont., "Steam Engine," 13th November, 1877.

No. 8088. C. E. Alden and D. Bruist, Philadelphia, Pa., U.S.A., "Broad Cast Seed Sower," 13th November, 1877.

No. 8089. A. Braderick and F. Cook, Dashwood, Ont., "Machine for Cutting Iron and other Metals," 13th November, 1877.

No. 8090. F. Ward, Rockford, Ill., U.S.A., (Assignee of E. L. Church, Walworth, Wis., U.S.A.), "Hay Elevator and Carrier," 13th November, 1877.

No. 8091. E. H. Brower, Carson City, Mich., U.S.A., "Bench Vice," 13th November, 1877.

No. 8092. E. Andrews, Williamsport, Pa., U.S.A., "Saw Frame," 13th November, 1877.

No. 8093. M. L. Smith, Arkona, Ont., "Clothes and Fruit Dryer," (Extension of Patent No. 1791), 14th November, 1877.

No. 8094. J. Parkyn, T. Pringle and J. Ogilvie, Montreal, Que., "Separator," (Extension of Patent No. 1793), 14th November, 1877.