The Canadian Patent Office Record

Vol. XX.—No. 5. MAY, 1892. Price free by post in Canada and the United States, $2.00.

NOTICE.

All solicitors, agents or attorneys who, in circulars or advertisements, or otherwise, refer to the Commissioner or Deputy Commissioner of Patents, or to any other official of the Patent Office, for evidence of their professional standing, do so without authority.

INVENTIONS PATENTED.

NOTE.—Patents are granted for 15 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 38,832. Molding Machine.

(Machine de moulage.)

The Tabor Manufacturing Company, New York, State of New York, assignees of Harris Tabor, Elizabeth, New Jersey, both in the U.S.A., 2nd May, 1892; 5 years.

Claim.—1st. In metal founding apparatus, the combination, substantially as set forth, with a press and pattern support, of a stripping plate supported by the pattern support, and mechanism for moving the pattern support and stripping plate simultaneously, but at different velocities. 2nd. In metal founding apparatus, the combination, substantially as set forth, with a press and a pattern supporting press head moved thereby, of a stripping plate supported by the press head, a lever pivoted to the press head, a link connecting the lever with the stripping plate, and a movable toe to obstruct the movement of one end of the lever. 3rd. In metal founding apparatus, the combination, substantially as set forth, of a box-like press head, a pattern frame carried thereby, a stripping plate frame carried by the press head, a stool plate within the press head, hangers connecting the stool plate with the stripping plate frame, a follower, and means for independently moving the pattern frame and stripping plate frame as the press opens. 4th. In metal founding apparatus, the combination, substantially as set forth, of a press head arranged to support a pattern and provided with guide sockets, a stripping plate frame provided with guide studs engaging said guide sockets, a follower, and means for pressing said press head and follower toward each other. 5th. In metal founding apparatus, the combination, substantially as set forth, of a press head provided with guide sockets having air ports, a stripping plate frame having guide studs engaging said guide sockets, a follower, and means for pressing said press head and follower toward each other. 6th. In metal founding apparatus, the combination, substantially as set forth, with a press head, a follower, and means for pressing them toward each other, of a pattern frame supported by the press head and provided with upwardly projecting spurs, and a stripping plate supported by said spurs. 7th. In metal founding apparatus, the combination, substantially as set forth, of a press, a pattern frame having a closed cavity, and a steam pipe communicating with such cavity. 8th. In metal founding apparatus, the combination, substantially as set forth, of a steam cylinder, a piston therein, a piston rod having through it a passage communicating with the steam space of the cylinder, a pattern frame carried by the piston rod and having a closed cavity communicating with the passage in the piston rod, and a follower. 9th. In metal founding apparatus, the combination, substantially as set forth, of a press head, a half flask thereon provided with a cross bar, a sand box disposed over the half flask and provided with a cross bar over and of greater thickness than the cross bar of the half flask, a follower arranged to enter the sand box, and means for pressing the follower and press head toward each other.

No. 38,833. Method of and Apparatus for Separating Yeast. (*Méthode et appareil pour séparer le levain.*)

Fleischman & Co., assignees of Gustave Sabotka, all of New York, State of New York, U.S.A., 2nd May, 1892; 5 years.

Claim.—1st. The herein described process of separating and assorting yeast, which consists in running the fermented wort slowly and smoothly along a trough or chute adapted to interrupt and retard the flow of the liquid at intervals, so as to cause the yeast cells or spores to be deposited and settle in different grades in successive sections or divisions of the trough, the heavier cells being deposited in the first section or sections, and the cells of less specific gravity being deposited in succeding sections, running off the clear liquid or beer from the yeast which settles in the trough, and finally removing the assorted yeast from the several sections or divisions according to their grades, substantially as described. 2nd. An apparatus for separating and assorting yeast, comprising a trough or chute formed in sections or divisions, which are connected by suitable pipes for conveying the fermented wort from section to section, and an apparatus by which a cooling medium may be circulated in contact with the pipes connecting the sections of the trough, substantially as described. 3rd. An apparatus for separating and assorting yeast, comprising a trough or chute formed in sections or divisions arranged one above another and connected by a pipe or pipes adapted to receive the liquid from an upper section and conduct the same to the next succeding or lower section, said pipes being provided with a cooling apparatus, whereby water or other cooling medium may be caused to circulate in contact with the pipe or pipes connecting the sections of the trough, substantially as described. 4th. In an apparatus for separating and assorting yeast, the combination with the trough or chute composed of sections or divisions separated from each other, and having the pockets at the ends of the sections of the pipe or pipes connecting the outlet end or pocket of the first section with the inlet end or pocket of the next succeeding section, and the cooling apparatus connected to said pipes, substantially as described. 5th. In combination with the trough or chute composed of sections, or divisions provided with pockets at the ends thereof, of the inclined pipes connecting the several sections, the fluid circulating pipes or casings enclosing the pipes connecting such sections, and the pipes connecting with suitable openings in the delivery ends of the sections of the trough, whereby the assorted yeast may be collected from the several sections of the trough according to the several grades, substantially as described. 6th. An apparatus for separating and assorting yeast, comprising a series of troughs, and pipes or tubes connecting the same, said troughs being provided with openings at the delivery ends thereof for collecting the assorted yeast, and the end trough or terminal section being also provided with an opening to conduct the workings therefrom, substantially as described. 7th. The process of separating and assorting yeast, which consists in ruuning the fermented wort or liquid slowly and smoothly along a slightly inclined surface or surfaces, so as to cause the yeast cells to be deposited in different grades in successive sections or divisions of the surface, cooling the liquid at intervals in its passage, running off the clear beer from the assorted yeast, and finally collecting the assorted yeast from the several sections of the surface according to their grades, substantially as and for the purpose set forth.

No. 38,834. Car Coupler. (*Attelage de chars.*)

Marie H. St. Denis, assignee of Joseph Auree Gendron, both of Farnham, Quebec, Canada, 2nd May, 1892; 5 years.

Claim.—1st. In combination, with the coupling pin of a car, a bracket or lifter for holding the pin in suspension, the said bracket being supported on bearings arranged to be removed by movement