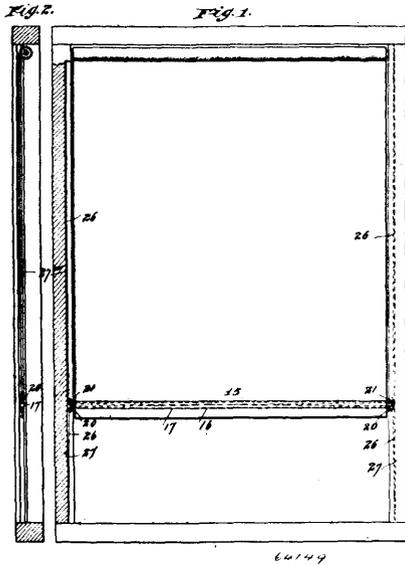
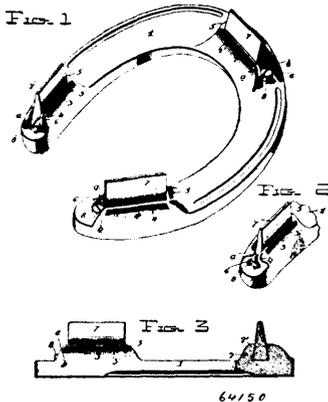


the flexible guides, substantially as described. 4th. The combination, with a flexible shade or curtain and its spring actuated roller,



of a tube mounted in the lower edge of said shade or curtain, heads carried by said tube and apertured in line with the bore thereof, a plurality of antifriction rollers journaled in said heads on opposite sides of the apertures thereof, flexible guides passing over said rollers and through said heads and tube in opposite directions, friction shoes mounted upon said heads and having a tilting or rocking connection therewith, said heads and shoes slidably mounted in the tubes, and springs for pressing them outwardly, substantially as described. 5th. The combination, with a flexible shade or curtain and its spring actuated roller, of flexible guides adapted to maintain the lower edge of the shade in substantial parallelism with the roller, and spring actuated friction shoes carried by the curtain and adapted to contact with the window frame, and each comprising a head and a friction shoe proper having a pin and slot connection with each other, and said head having a centrally projecting portion to bear upon the back of the friction shoe proper, substantially as described. 6th. In a fixture of the character described, a combined head and shank consisting of two similar parts divided on a median plane, a ring or band fitting over the shank, and pins connecting the two parts and carrying guide rollers, substantially as described. 7th. In a fixture of the character described, a head provided with guiding means for the converging flexible guides, and a laterally enlarged chamber at the point of convergence of said guiding means, substantially as described. 8th. The combination, with a flexible shade or curtain and its spring actuated roller, of a flexible tape or guide and heads detachably connected to the shade and adapted to receive said tapes or guides, substantially as described.

No. 64,150. Horseshoe. (Fer à cheval.)

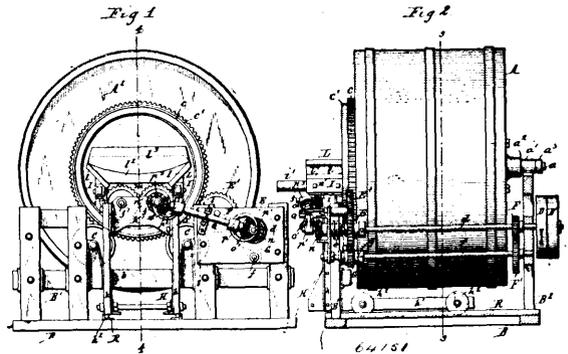


Albert James Davies and Joseph Hirsch, both of Kansas City, Missouri, U.S.A., 3rd October, 1899; 6 years. (Filed 24th April, 1899.)

Claim.—1st. A horseshoe formed with dovetailed sockets open at one end and closed at the other, the ribs forming said sockets being provided with compressible lips at the open end of said sockets, calks having dovetailed portions to engage said sockets, and

studs arranged at the open end of said sockets between the lips, whereby when the lips are compressed the removal of the studs is prevented, substantially as and for the purpose set forth. 2nd. A horseshoe formed with dovetailed sockets open at one end and closed at the other end, the ribs forming said sockets being provided with compressible lips at the open end of said sockets, calks having dovetailed portions to engage said sockets, and screw threaded studs arranged at the open end of said sockets between the lips, whereby when the lips are compressed the removal of the studs is prevented, substantially as and for the purpose set forth.

No. 64,151. Churn and Butter Worker. (Baratte et batte à beurre.)



The D. H. Burrell Company, assignee of Harvey Feldmeier, all of Little Falls, New York, U.S.A., 3rd October, 1899; 6 years. (Filed 4th April, 1899.)

Claim.—1st. The combination with a rotary drum having an open head and its stationary supporting frame, of a portable carriage or frame detached from the drum and its supporting frame, and butter working rollers mounted on said independent carriage or frame and adapted to be inserted into the drum through the open head thereof and to be removed therefrom by moving said carriage or frame toward or from the drum and its supporting frame, substantially as set forth. 2nd. The combination with a rotary drum having an open head and its stationary supporting frame, of a portable carriage adapted to be moved about on the floor, and butter working rollers supported on said carriage and adapted to be inserted into the drum through the open head thereof and to be removed therefrom by moving the carriage in proper direction, substantially as set forth. 3rd. The combination with a rotary drum having an open head and its stationary supporting frame, of a portable carriage or frame, adapted to be moved about independent of drum and its supporting frame, butter working rollers supported on said carriage or frame, and a hopper arranged on said carriage or frame above said rollers, said rollers and hopper being adapted to be inserted into and removed from the drum through the open head thereof by moving said portable frame or carriage toward or from the drum and its supporting frame, substantially as set forth. 4th. The combination with a rotary drum having an open head, of a removable butter worker, adapted to be placed in said drum through said open head and composed of a supporting frame, butter working rollers, a hopper arranged above said rollers and a removable bottom adapted to be placed in said hopper, substantially as set forth. 5th. The combination with a rotary drum having an open head and its stationary supporting frame, of a portable carriage or frame adapted to be moved about independent of the drum and its supporting frame, butter working rollers supported in said carriage or frame, a hopper arranged on said carriage or frame above said rollers, and a removable bottom adapted to be placed in said hopper for collecting the butter delivered to the same, said rollers and hopper being adapted to be inserted into the drum through the open head thereof, substantially as set forth. 6th. The combination with the butter working rollers and their supporting frame, of a hopper arranged above said rollers and capable of bodily movement on said supporting frame in the longitudinal direction of said rollers, substantially as set forth. 7th. The combination with the butter working rollers, of a supporting frame having longitudinal side bars arranged on opposite sides of said rollers, and a hopper mounted on said side bars and capable of movement on said bars in the longitudinal direction of said rollers, substantially as set forth. 8th. The combination with a rotary drum having an open head, of a butter worker adapted to be placed in said drum through said open head and composed of a supporting frame having its upper portion projecting into said drum, butter working rollers mounted in said upper portion of the frame, and a hopper supported on said upper portion of the frame above said rollers and capable of movement on the frame in the axial direction of the drum, substantially as set forth. 9th. The combination with the butter working rollers, of a hopper arranged above said rollers and provided with a removable intermediate board, a fixed bottom in front of said intermediate board and a removable bottom in rear of the same, substantially as set forth. 10th. A portable butter worker adapted to be combined