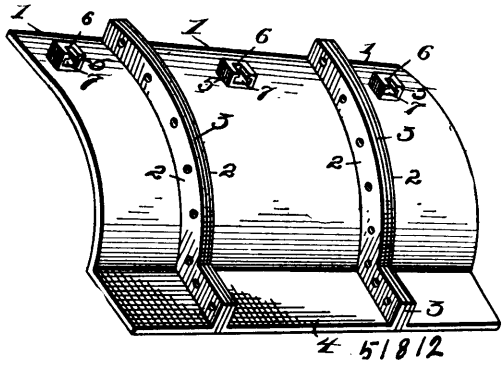
frame, of a shaft, mounted therein, a brush carrier secured to said shaft to rotate therewith, a bottle carrier mounted to rotate concentrically with the brush carrier and having upper and lower bars to support a bottle at both ends with freedom for rotation, means to rotate said bottle carrier and brush carriers in the same direction but at different speeds, and stationary brushes supported by said frame on the opposite side of the path of the bottle, whereby the bottles are compelled to rotate as they move with the carrier and are scraped by the brushes at opposite points.

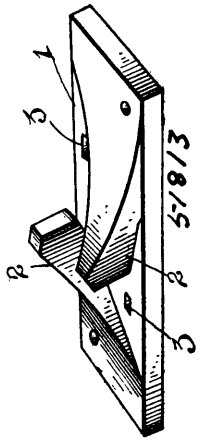
No. 51,812. Furnace. (*Fournaise.*)



James Moran, Orange, Texas, U.S.A., 1st April, 1896; 6 years. (Filed 5th March, 1896.)

Claim.—1st. A back-plate for steam boiler furnaces, the same comprising several sections separately formed and provided at their meeting edges with angular flanges, a suitable packing of asbestos interposed between said flanges, and suitable fastening devices for firmly uniting said flanges, substantially as described. 2nd. In a back-plate for steam boiler furnaces, a series of arched metal plates similarly shaped in cross-section and formed at their meeting edges with integral angular flanges, whereby said sections are connected, and an integrally formed recessed and slotted boss or lug for each section, substantially as and for the purpose set forth.

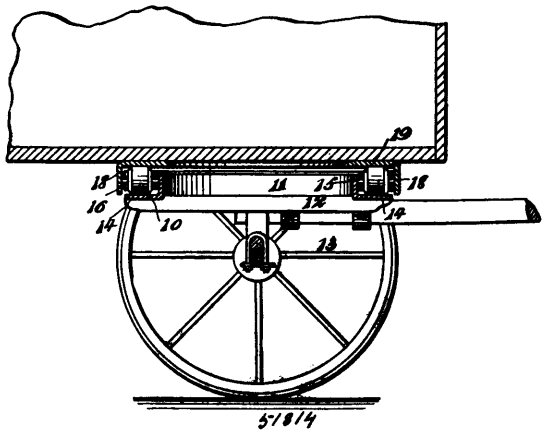
No. 51,813. Rail Fastener. (*Attache de rail.*)



Charles G. Chamberlain, Pacific Grove, California, U.S.A., 1st April, 1896; 6 years. (Filed 5th March, 1896.)

Claim.—The herein described railway chair, comprising a substantially rectangular base-plate adapted to be interposed between the base of a rail and a tie, a pair of diagonally disposed lugs formed to embrace and bear against the base-flange and head and web of the rail, and arranged in such manner as to permit the chair to be introduced beneath the rail, and a pair of elongated openings or slots, also diagonally disposed and arranged one opposite each lug and in line with the opposite edges of the base of the rail, said openings or slots being extended beneath the base of the rail and adapted to receive tapering spikes whereby the driving of a spike will serve to tightly lock the rail within the chair, substantially as described.

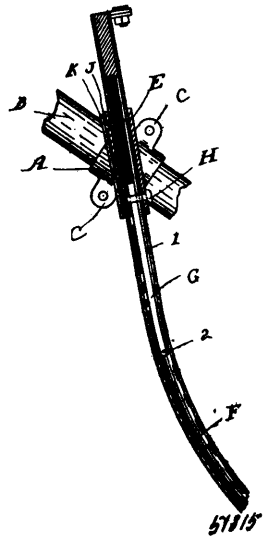
No. 51,814. Fifth-Wheel. (*Rond d'avant-train.*)



Caleb Richard Turner, Brooklyn, New York, U.S.A., 1st April, 1896; 6 years. (Filed 5th March, 1896.)

Claim.—1st. A fifth-wheel, comprising oppositely arranged circular angle irons forming respectively the upper and lower bearing plates of the fifth-wheel, and a series of rollers arranged between the angle irons, substantially as described. 2nd. A fifth-wheel, comprising oppositely arranged circular angle irons, forming respectively top and bottom bearing plates of the fifth-wheel and with their side flanges concentrically arranged, and a series of bearing rollers arranged between the angle irons and journalled in concentric rings, substantially as described.

No. 51,815. Bicycle Stand. (*Support pour bicycles.*)



Florence Patrick McGovern, Francis William Rabbi and Charles Carleton Cummings, all of Ottawa, Ontario, Canada, 1st April, 1896; 6 years. (Filed 6th March, 1896.)

Claim.—1st. In a bicycle stand a pair of tubular legs, having their lower portions curved, and their upper portions straight, held in sleeves attached by an adjustable clamp to the bicycle frame, arranged to slide vertically through said sleeves and that may be locked in their lowered position by a spring pin attached to said sleeves, and taking into pin holes made in the legs, as shown. 2nd. A bicycle stand provided with curved tubular legs which are movable vertically through sleeves attached to the bicycle frame, said legs being supported by elastic cords placed inside the legs and being attached at their lower ends to the legs, and at their upper ends to pins fixed in the sleeves and projecting into the legs, as shown and described. 3rd. In the above described bicycle stand, the clamp A made in halves secured together by bolts and having the sleeves E; the curved tubular legs F having the spiral slots I, and pin holes N; the elastic cords G attached to one of the sleeves, and provided with the pin J, combined and arranged as shown and for the purpose set forth.