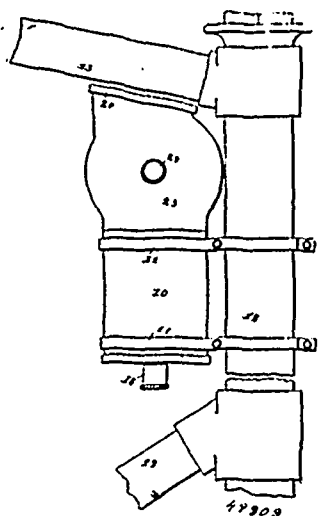


No. 49,808. Air Pump for Bicycles.*(Pompe pneumatique pour bicycles.)*

Aquila Bolton Marshall, and Edwin E. Dickinson, both of New York, State of New York, and Charles B. Baynton, Newark, New Jersey, all in the U.S.A., 28th August, 1895; 6 years.

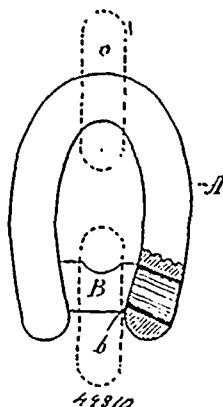
Claim.—1st. The combination, with the bicycle, of the air pump strapped to the bicycle frame, a nipple at the discharge end of the pump, a cap to cover the nipple, a detachable crank for working the pump, and a cap to cover the crank axle, substantially as described. 2nd. The combination, with a bicycle, of a pump secured thereto, and comprising a cylinder having a reduced upper end and an inlet valve and discharge nipple in its bottom, crank discs mounted in the reduced upper end of the cylinder, a piston in the cylinder and connected with the crank discs, and a crank detachably secured to the axle of the crank discs, substantially as described. 3rd. The herein described air pump, comprising a cylinder reduced and flattened at one end and provided at the other with an inlet valve and discharge nipple, a cap for the nipple, a piston in the cylinder, crank discs journaled in the flattened portion of the cylinder and operatively connected with the piston, a detachable crank for the axle of the crank discs, and a cap to cover the crank axle, substantially as described. 4th. An improved air pump for bicycles, comprising a cylinder having a flattened upper end, and provided in its bottom with an inlet valve and a discharge nipple, the flattened portion of the cylinder being provided with bearings one of which is externally screw-threaded to receive a cap, crank discs, each provided with an axle fitting in said bearings, the axle of the screw-threaded bearing projecting therethrough, a piston in the cylinder, a pitman connecting the piston with the crank discs, and a crank adapted to fit upon the projecting axle of the crank discs, substantially as herein shown and described.

No. 49,809. Bit for Horses. (Mors de bride.)

William E. Simonds, Canton, assignee of Henry Small, Hartford, both of Connecticut, U.S.A., 28th August, 1895; 6 years.

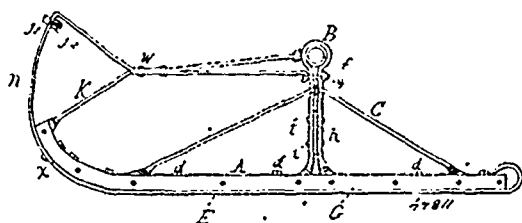
Claim. 1st. The combination of the ordinary driving reins *a*, the bail *b* encompassing the upper lip of the horse, and a support for the bail locating it below the nostrils, all substantially as described and for the purposes set forth. 2nd. The combination of the ordinary driving reins *a*, the bail *b*, provided with the pressure boss *c*, and a support for the bail locating it below the nostrils, all substantially as described and for the purposes set forth. 3rd. The combination

of the ordinary driving reins *a*, the ordinary bit *c*, the bail *b* encompassing the upper lip of the horse, and a support for the bail locating it below the nostrils, all substantially as described and for the purposes set forth. 4th. The combination of the ordinary driving reins *a*, the bail *b* encompassing the upper lip, and the strap *d* supporting the bail below the nostrils, all substantially as described and for the purposes set forth.

No. 49,810. Chain-Coupling. (Attelage de chaines.)

Cyrus F. Noble, Baldwin, Maine, U.S.A., 20th August, 1895; 6 years.

Claim. 1st. The herein described chain-coupling, consisting of a link, bent or folded on itself to form two incomplete eyes, combined with a bolt adapted to be inserted endwise into said eyes, said bolt being provided with a shoulder or projection inside of each eye for retaining it in place. 2nd. The herein described chain-coupling, consisting of a link, bent or folded on itself to form two incomplete eyes, the ends of said link containing the eyes being drawn in to bring the said eyes out of line, combined with a bolt adapted to be inserted endwise into said eyes, the ends of said bolt being inclined to fit the said eyes and said bolt being provided with shoulders or projections inside of each eye for retaining it in place.

No. 49,811. Sleigh. (Traineau.)

Dean S. Hall, Cabot, Vermont, U.S.A., 20th August, 1895; 6 years.

Claim. 1st. In a sleigh or sled a post *B* composed of a single piece of flat steel or other metal doubled together forming an adjustable loop or eye at upper end to receive the end of beam *f* or a section thereof and so constructed that it shall be adjustable and capable of being drawn tight upon said beam by means of a bolt or bolts or grip and yoke or other similar device, substantially as described. 2nd. In a sleigh, the combination runner *A*, composed of two longitudinal parallel sides *G G*, curved edgewise to form the rise at forward end and intervening space, with the post *B* and beam *f* or section thereof of metal tube, substantially as and for the purpose hereinbefore set forth. 3rd. In sleigh in combination with runner *A* and post *B* the brace *C* of flat material provided at or near each end with a quarter twist and secured between the two sides of runner *G G* at each end one in front and the other in rear of post *B*, the middle portion being fastened to post *B*, directly below the beam *f* by link or staple or other equivalent device. 4th. In a sleigh a beam *f* of metal tubing in which is inserted a flat steel bar or support *g* of suitable length and placed vertical to the strain. 5th. In a sleigh in combination with the post *B* and brace *K* the grip and yoke *Y*, substantially for the purpose specified. 6th. In a sleigh with runners formed of two longitudinal parallel sides the combination of braces *N* and *K* rigidly riveted at *W* and diverging vertically in front and laterally in rear of said connection, in substantially as described. 7th. In a sleigh with post *B* formed of flat steel or other metal the combination of notches and staple or link *S* and brace *c*, substantially as described. 8th. In a sleigh or sled the yielding clasp *p*, with space between the lugs through which the bolt passes, sufficiently large to allow the clasp to be drawn tight upon the beam *f* and holding by friction on said beam, substantially as and for the