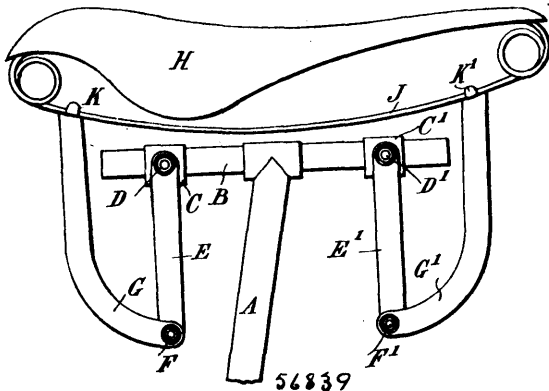


adjacent angular lug of the saddle plate and adapted to gear in the sector on the leg end, and a spring clip secured to the upper face of said saddle plate and adapted to be secured to the rear wheel fork bars, substantially as set forth. 4th. In a bicycle support, the combination with the rear wheel fork bars and rear wheel tire, of a saddle plate having angularly disposed lugs, a pair of legs having their upper ends flattened and shouldered and one pivoted to the inner face of each angular lug, and said shoulder adapted to bear on the edge of said lug, a toothed sector formed on the edge of each flattened end of said legs, a plate secured slidably in the gullet of said saddle plate and provided near each edge with a toothed rack angularly disposed to be parallel to the adjacent angular lug and adapted to gear in the sector in the leg end, a brake shoe on said rack plate, a spring clip secured to the upper face of said saddle plate and adapted to be secured to the fork bars, and a spring clip on the fork bars adapted to carry the free end of one of said legs, substantially as set forth. 5th. In a bicycle support, the combination with the rear wheel fork bars, of a clip secured to said fork bars adapted to carry a plate or bracket, a saddle plate secured to said clip and provided with angularly disposed lugs, a leg pivoted to each lug, a sector formed on the pivoted end of each leg, a plate held slidably in the gullet of said saddle plate, racks on said sliding plate gearing in the sectors on the legs, and a brake shoe on said sliding plate, substantially as set forth. 6th. In a bicycle support, the combination of a saddle plate having angularly disposed lugs, a pair of legs having shouldered and flattened ends pivoted to the said lugs, one to each, toothed sectors formed on said flat ends, a sliding plate disposed in the gullet of said saddle plate and provided with racks adapted to gear in said sectors, extensible ends inserted in said legs and held by screw threads and lock nuts, means of carrying said saddle plate on a suitable part of a bicycle and means of carrying said legs when folded, substantially as set forth.

No. 56,839. Means of Attaching the Saddles or Seats of Bicycles. (*Moyen d'assujettir les sièges ou selles de bicyclettes.*)



Frederick Carleton Esmond, Brooklyn, New York, State of New York, U.S.A., 28th July, 1897; 6 years. (Filed 5th April, 1897.)

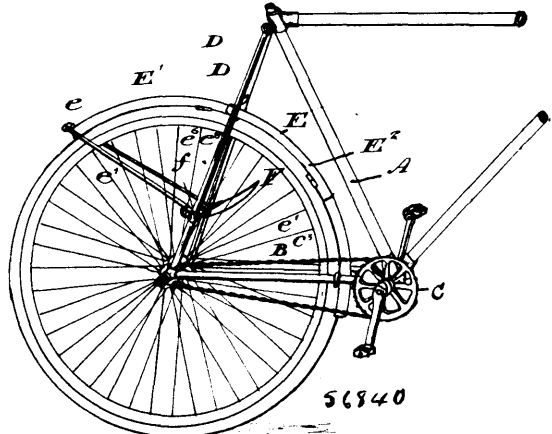
Claim.—1st. In the support of a saddle or seat for bicycles and other vehicles, the employment of hanging and of standing links articulated together below the point of attachment to the crutch bar, or other part of the frame of the vehicle, substantially as set forth. 2nd. In the support of a saddle or seat for bicycles and other vehicles, the combination of hanging links, standing links, and ties, substantially as set forth. 3rd. The combination of hanging links, standing links articulated thereto below the level of the crutch bar or other part of the frame of the vehicle, and a saddle or seat attached to the said standing links in any convenient manner, substantially as set forth. 4th. The combination of a crutch bar, hanging links articulated thereto, standing links articulated to the said hanging links below the level of the crutch bar, and a saddle attached to the said standing links in any convenient manner, substantially as set forth. 5th. The arrangement and combination of parts, substantially as set forth.

No. 56,840. Mud Guard for Bicycles. (*Garde-crotte pour bicyclettes.*)

Mary Ellen Annand, Udora, Ontario, Canada, 28th July, 1897; 6 years. (Filed 25th June, 1897.)

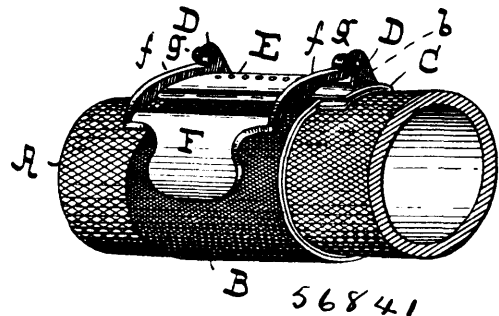
Claim.—1st. A mud guard made in sections substantially arcs of the same circle and a supporting means for connecting them to the frame of the bicycle, as and for the purpose specified. 2nd. A mud guard made in sections substantially arcs of the same circle, an eye formed on the rearmost section and the bracing spring arms having the looped end extending through such eye and the tubular brackets having sockets to receive the ends of the arms, the eye on the inner side of the lowermost section and the cross bar extending through such eye having spring hooks fitting on to the lower reaches, as and for the purpose specified. 3rd. A mud guard made in sections substantially arcs of the same circle, the projecting lugs e^0 and

e^7 , extending inwardly from the ends of the sections E^2 and E^3 , and the hook-shaped lugs e^8 and e^9 designed to come in contact with



the lugs e^6 and e^7 when the sections are extended, and means for holding the extended sections in position upon the frame, as and for the purpose specified.

No. 56,841. Patches for Fire Hose and Pneumatic Tires of Vehicles. (*Pièces pour boyaux à incendie et bandage pneumatique de voitures.*)



John Rudge Hare, Baltimore, Maryland, U.S.A., 28th July, 1897; 6 years. (Filed 25th June, 1897.)

Claim.—1st. In a hose patch, a flexible band having a curved plate at each end, adapted one to overlap the other, combined with lever mechanism to effect such overlapping, substantially as specified. 2nd. In a hose patch, a flexible band having a curved plate at each end, adapted to overlap around the hose, the said plates having slots which register as the plates are brought together, combined with locking mechanism to hold the overlapped plates together, substantially as specified. 3rd. In a hose patch, a flexible band having a curved folded plate at each end, adapted one to overlap the other around the hose, one of said plates having hooks, and the other levers with pins to engage with the hooks, whereby as the levers are brought into contact with the band, the same is stretched substantially as specified. 4th. In a hose patch, a flexible band having a curved plate at each end adapted one to overlap the other around the hose, one of the said plates having hooks and the other hinged curved levers with pins at their ends adapted to engage with the hooks, whereby as the said curved levers are forced down in contact with the band, the said band will be stretched, substantially as specified.

No. 56,842. Bicycle Changeable Gear. (*Engrenage de bicyclette variable.*)

Theodore W. Ralph, North Augusta, Ontario, Canada, 28th July, 1897; 6 years. (Filed 29th June, 1897.)

Claim.—1st. The combination with the bicycle crank bracket or tubular bearing 2, and the crank arms 9 and 10, having a projecting pin 11, of the hollow spindle 3, inserted in said crank bracket or bearing, collars a, a^1 , screwing on the ends of said spindle respectively, sprocket wheel 4 and 5 sleeved on the ends of said spindle and having holes 6 and 7, respectively, arranged in a circle to be engaged by said pins, set nuts b, b^1 , screwing on said spindle and jamming the sprocket wheels against their respective collars, and the crank arms 9 and 10, connected by a shaft or bolt 8, passing through said spindle, whereby the sprocket wheels are stationary, laterally, and the bolt or shaft moves endwise to effect engagement of the crank arms and sprocket wheels, as set forth. 2nd. The combination in a bicycle having duplicate sprocket wheel and chain driving mechanisms, of the spindle 3, inserted in the crank bracket