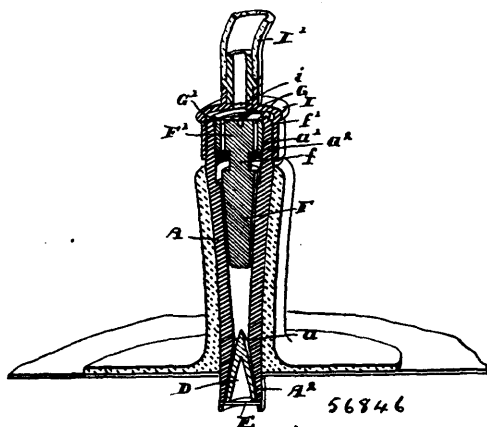
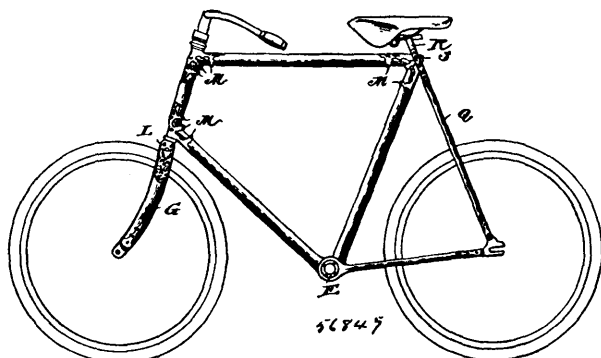


No. 56,846. Air Valve. (Soupape à air.)

Henry Alfred Wood, Kingston, Ontario, Canada, 28th July, 1897; 6 years. (Filed 2nd July, 1897.)

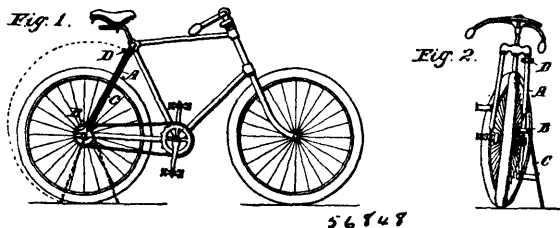
Claim.—1st. In an air valve, in combination, the shank having an opening extending therethrough, the tapered lower portion of the opening, the hollow ground conical valve plug fitting such tapered lower portion, and a stop pin extending through the lower portion of the shank outside of the valve and designed to limit its movement as and for the purpose specified. 2nd. In an air valve, in combination, the shank having an opening extending therethrough, the tapered lower portion of the opening, the hollow ground conical valve plug fitting such tapered lower portion and a stop pin extending through the lower portion of the shank outside of the valve, the upper tapered portion converging to the lower tapered portion, the upper valve plug having lower tapered ground portion, passage-ways extending through the plug, and means for adjusting and securing such plug in position on or off its seat, as and for the purpose specified. 3rd. In an air valve, in combination, the shank having an opening extending therethrough, the tapered lower portion of the opening, the hollow ground conical valve plug fitting such tapered lower portion and a stop pin extending through the lower portion of the shank outside of the valve, and designed to limit its movement, the upper tapered portion converging to the lower tapered portion, the upper valve plug having lower tapered ground portion, the stem, the head, the passage-ways in the head, the external thread formed on it fitting into a corresponding thread in the interior of the shank and means for turning the plug to raise and lower it, as and for the purpose specified. 4th. In an air valve, in combination, the shank, having an opening extending therethrough, the tapered lower portion of the opening, the hollow ground conical valve plug fitting such tapered lower portion and a stop pin extending through the lower portion of the shank outside of the valve and designed to limit its movement, the upper tapered portion converging to the lower tapered portion, the upper valve plug having lower tapered ground portion, the stem, the head, the passage-ways in the head, the external thread formed on it fitting into a corresponding thread in the interior of the shank, a cross slot in the top of the head, the cap and the knife edge projection in the cap, as and for the purpose specified. 5th. In a valve, the combination with the shank externally threaded at the top, of the screw cap, the internal disc of babbit-metal fitting in the interior of the top of the cap and the upwardly extending projections on the cap, arranged as and for the purpose specified.

No. 56,847. Bicycle. (Bicycle.)

Phineas Hiram York, Chicago, Illinois, U.S.A., 28th July, 1897; 6 years. (Filed 2nd July, 1897.)

Claim.—1st. A bicycle, the frame of which is formed of strips of wood laminated and the laminations being continuous around the

angles or bends of the frame, substantially as described. 2nd. A bicycle frame whereof the steering head post, the top and bottom bars and rear post are constructed integrally with each other from strips of wood laminated and the laminations extending continuously around the angles or bends of the frame and without joints at such bends or angles, substantially as described. 3rd. A bicycle frame composed of strips of wood, the laminations whereof are continuous around the angles of the frame and a crank bearing embraced by the laminations of the frame, substantially as described. 4th. A bicycle frame whereof the steering head post, top and bottom bars and rear post are constructed integrally with each other from strips of wood laminated and the laminations being continuous around the angles of the frame and provided with suitable bearings and with a longitudinal cavity, substantially as described. 5th. A bicycle frame composed of two mating parts, each part being formed of strips of wood and adapted to be fitted one within the other and having suitable bearings therein, substantially as described. 6th. A fork for bicycles, the crown and tines whereof are integrally formed of laminated strips of wood, substantially as described. 7th. A wooden bicycle frame having a steering head post provided with a longitudinal cavity, a tubular metal sheath or lining for said cavity, said tubular lining having conical cup bearing members secured thereto, a steering head journaled within said tube or lining and having conical bearing cups secured thereto and a front fork clamped to said steering head, substantially as described. 8th. The combination with a bicycle fork composed of strips of wood laminated and bent to provide the crown and tines of said fork of metal clamps embracing the side of said crown, and one of said clamps being secured to the steering head, substantially as described. 9th. A clamp for the steering head post of a bicycle, said clamp having its central portion perforated for the passage of the steering head post and providing a seat or bearing for the cup of the steering head bearing and said clamp having angular flanges with integral straps adapted to embrace the frame and clamping bolts for tightening said straps, substantially as described. 10th. A clamp for bicycles adapted to embrace the upper rear angle of the diamond frame and having a semi-cylindric cavity or seat, a socket piece to receive the seat post and rear fork members and a U-bolt adapted to pass around the frame and clamp and having its ends extended through said socket piece with means for compressing the latter to frictionally secure the seat post, substantially as described. 11th. In combination with the drop frame of a bicycle, the rear post whereof is provided with a longitudinal cavity or socket, of a seat post clamp split or severed longitudinally and having a bearing upon the upper end of said post and straps embracing said post, a clamping bolt for said strap and a clamping bolt adapted to pass through the upper end of said split clamp and the upper ends of the rear fork members, substantially as described. 12th. The combination in a bicycle frame, of a frame member having a seat post socket therein, a split clamp mounted on said socketed member, said clamp having conical sockets, conical cups working in said sockets and a clamping bolt whereby the rear stays may be clamped to said conical cups, substantially as described. 13th. The combination with a crank shaft having a flattened portion of a sprocket spider having an aperture adapted to receive the flattened portion of the shaft, and a clamping bolt whereby the spider may be clamped upon the shaft, substantially as described. 14th. The combination with a crank shaft having a wedge shaped portion, of a sprocket spider having a wedge shaped aperture, and a slot extending from said aperture into one of the spider arms, a clamping bolt passing through the members of said split arm and engaging also with a notch in the crank shaft, and said spider having a crank arm secured thereto and being adapted for connection with a toothed rim, substantially as described.

No. 56,848. Bicycle Support. (Support de bicyclettes.)

Daniel W. Albright, Cedar Rapids, Iowa, U.S.A., 28th July, 1897; 6 years. (Filed 10th July, 1897.)

Claim.—1st. The combination with the frame of a bicycle, and a supporting collar provided with an angled face, of a support having a correspondingly angled face and a rectangular inclined sided aperture, a stud revolvably secured to the collar and having a squared head projecting into the rectangular aperture of the support, and a pintle transverse with respect to the stud pivotally securing the support to the squared head of the stud, substantially as specified. 2nd. In a support for bicycles, the combination with a supporting collar, of a support pivoted thereto, said collar having two separate and distinct faces upon the opposite sides of the pivot and at an angle with respect to each other, the line of juncture of the faces extending entirely across the collar and diametrical with respect to the pivot, and said support pivoted to the supporting collar being