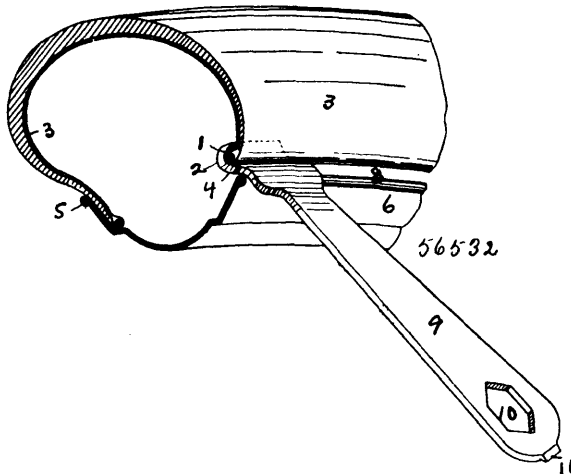


device for the purpose described having in combination a roller, a plurality of flexible strips wound upon said roller, means for supporting said roller upon the velocipede frame, and means for holding said strips extended in opposite directions, substantially as set forth. 3rd. A device for the purpose described having in combination a spring actuated roller, a flexible strip wound upon said roller, a bracket for supporting said roller upon the velocipede frame, a rib socketed against said bracket at one end and having its other end engaged by the extended end of said strip whereby the tension of the spring will hold said rib in place, substantially as set forth. 4th. A device for the purpose set forth having in combination a roller, a flexible strip wound upon said roller, a bracket for supporting said roller upon the velocipede frame and a jointed rod projecting from said bracket and adapted to hold said strip extended, substantially as set forth. 5th. A device for the purpose described having in combination a slotted casing, a spring actuated roller journaled in said casing, a flexible strip wound upon said roller and passing through the slot of said casing, means for supporting said casing upon the velocipede frame and a rib detachably secured to said casing and to said strip for holding said strip extended, substantially as set forth. 6th. A device for the purpose described having in combination a roller, two flexible strips wound upon said roller, a bracket having the boss 16, by which said roller may be supported upon the velocipede frame, one of said strips being provided with a slot for the passage of said boss, a rod secured in said boss for holding one of said strips extended, and means for holding the other of said strips extended in the opposite direction, substantially as set forth. 7th. A clip or clamp for supporting a mud guard having in combination a piece adapted to rest against a part of the velocipede frame, a flexible strip held at its midlength by said piece and its extremities being adjustably held to said piece and at a distance apart, substantially as set forth. 8th. A device for the purpose described having in combination a T-piece provided with a perforation at the lower end of its upright portion, an eye-screw passing through said perforation, a flexible wire or strip passing through said eye-screw and having its extremities passed through the perforations at the extremities of the horizontal portion of said T-piece, nuts threaded on the extremities of said strip, and said T-piece being provided with notches, substantially as set forth. 9th. The combination with the front fork of the velocipede frame, of a mud guard having a plate resting against the rear side of said fork, a flexible wire secured at its midlength to said plate and passing forwardly between the fork members and backwardly over the fork head and having its upper extremities adjustably secured to said plate, substantially as set forth.

No. 56,532. Bicycle Tool. (Outil pour bicycles.)



Joseph Henry Iredale, Liverpool, Lancaster, assignee of John Horswill, Chester, both in England, 7th July, 1897; 6 years. (Filed 17th May, 1897.)

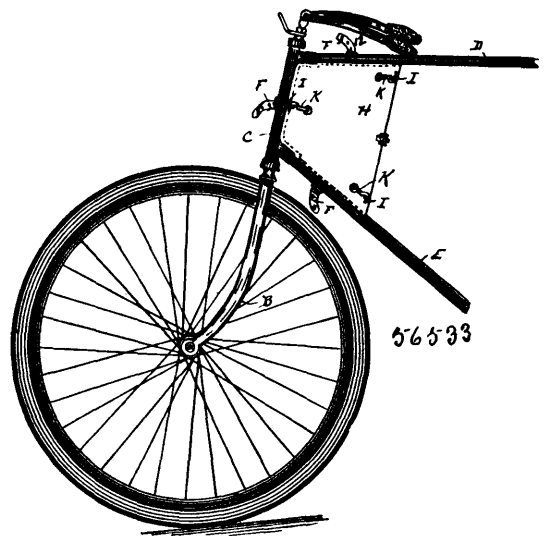
Claim.—A tool for extracting the wired retaining edges of the outer casings of pneumatic tires from wheel rims, consisting of a lever having an opposite sides of it and at or near one of its ends two grooves adapted respectively to receive one of the said edges and the corresponding edge of the wheel-rim both of the said grooves being curved to suit the curves of the wheel-rim, and the retaining wires, substantially as described and shown.

No. 56,533. Tourist's Bicycle Bag. (Sac pour bicycles.)

James A. Swanson, Everett, Mass., U.S.A., 7th July, 1897; 6 years. (Filed 17th May, 1897.)

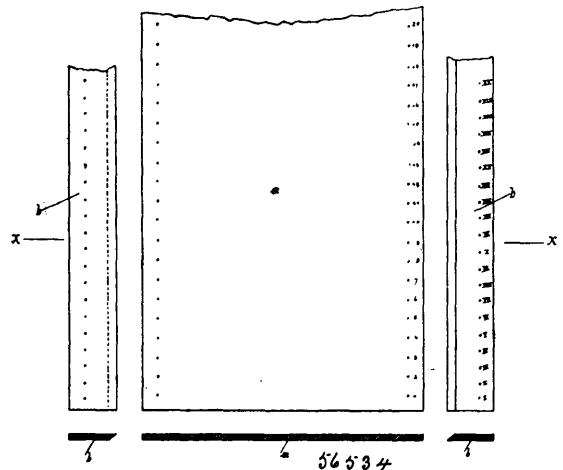
Claim.—The herein described bicycle-bag, consisting of a case or holder G having a smooth unbroken interior, and having grooves

g, g, g, formed on the exterior of its sides, and end for receiving the bicycle-frame, means for fastening said case to the frame, in com-



bination with a detachable box H having a hinged cover h at one end, and fitted within the case or holder G, substantially as described.

No. 56,534. Pneumatic Tire for Velocipedes, etc. (Bandage pneumatique pour vélocipèdes, etc.)



Jonas Bergmann, Neubidschow, Bohemia, Austria, 8th July, 1897; 6 years. (Filed 17th May, 1897.)

Claim.—1st. In a pneumatic tire for velocipedes and other vehicles, a cover of leather characterized by the fact that by means of the provision of lateral bulged or thickened edges the leather is enabled to acquire a domed form in the dry state without fulling and will retain said domed form permanently, substantially as described. 2nd. A process for the manufacture of the cover specified in claim 1, characterized by the fact that the lateral thickened edges are composed of leather strips of less length than the peripheral length of the developed or spread out cover, the edges of the latter being drawn in by the sewing of the thickened edges, for the purpose of producing a permanently domed form of cover, without fulling and without having to wet the leather, substantially as described. 3rd. In a pneumatic tire for velocipedes and other vehicles, a leather cover, constructed substantially as described.

No. 56,535. Bicycle. (Bicycle.)

Menno Shoemaker, Brotherston, Ontario, Canada, 8th July, 1897; 6 years. (Filed 20th May, 1897.)

Claim.—1st. In a wheel, the combination, with an inner rim secured to the spokes, of an outer rim, and a series of curved springs having their middle portions secured to the outer rim and having their end portions slidably connected to the inner rim, substantially as set forth. 2nd. The combination, with a bicycle frame, and a