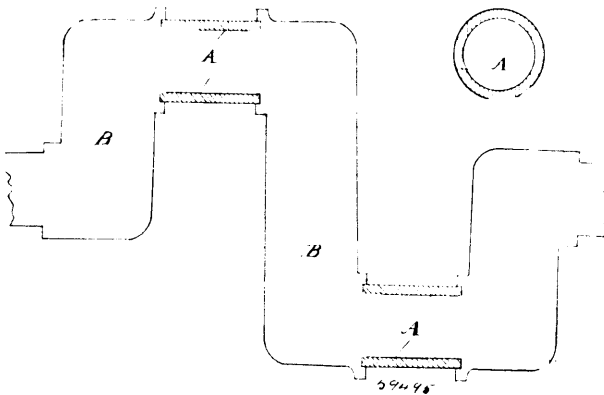


bearing box, and casting the shaft or crank within such ferule or band, firmly uniting them together, and producing a complete shaft



or crank ready for use when removed from the mould, substantially as set forth.

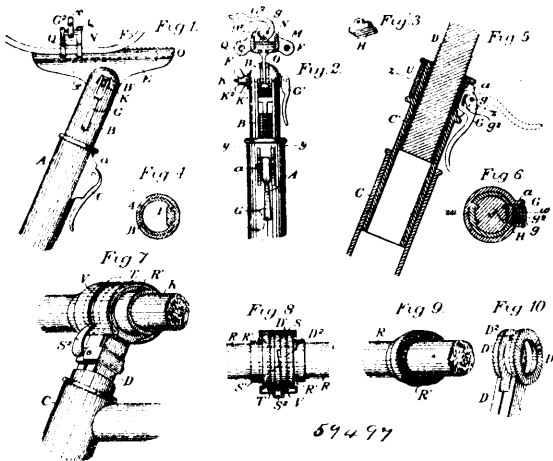
No. 59,496. Insecticide. (Insecticide.)

The Tobacco Warehousing and Trading Company, Danville, Virginia, assignee of James Arthur Palethorpe, Liverpool, England, 2nd April, 1898; 6 years. (Filed 1st March, 1898.)

Claim.—As a new article of manufacture, an insecticide consisting of powdered kieselguhr or an equivalent inert absorbent and refractory power, impregnated with a decoction of nicotine, in substantially the manner explained.

No. 59,497. Cycle Seat and Handle Bar.

(Siège et barre de poignée de cycles.)



Edward Henry Chappuis, Marysville, California, assignee of Matthew Judge, Gibsonville, California, all in the U.S.A., 2nd April, 1898; 6 years. (Filed 9th February, 1898.)

Claim.—1st. The combination with the adjustable posts of a bicycle, of movable blocks, interlocking surfaces formed upon said blocks and upon the movable posts adapted to engage with each other, and fulcrumed cams whereby said blocks are moved into or out of engagement with the posts. 2nd. The combination with the movable posts of a bicycle, of cams and actuating levers integral therewith, fulcrumed to the socket posts, cam blocks having pins loosely engaging with the slotted ends of the cams and having faces formed to interlock with corresponding faces upon the movable parts whereby the turning of the cam levers in one direction will disengage the parts, the turning of them in the opposite direction will lock the parts together. 3rd. The combination with the movable and adjustable seat and handle bar posts of a bicycle of cam levers fulcrumed with relation to the sockets in which the posts are movable, cam blocks pivoted to and movable by the cams and having interlocking faces upon one side, corresponding interlocking faces formed upon the movable posts, with grooves or channels upon each side thereof and flanges projecting from the cam blocks and entering said channels to serve as guides and locks to prevent the turning of the posts within the sockets. 4th. The combination with a bicycle of an adjustable seat post having a head slotted vertically in the line of travel of the machine, radial interlocking corrugations formed on the inner

faces of the head, a seat-supporting bar having a correspondingly corrugated circular head adapted to fit between the sides of the seat post head, a shaft extending through the seat post head and the corresponding part of the seat supporting-bar, and a cam lever fulcrumed to the end of the shaft and adapted to close and lock the corrugated meeting faces. 5th. The combination with a seat post of a bicycle vertically adjustable, having a slotted head at the upper end, the sides of which are capable of moving to and from each other, of a seat-supporting-bar having a circular projection fitting between the sides of the seat post head and correspondingly corrugated so as to engage the corrugations on the inner faces of said head, a shaft passing centrally through the head and the interior disc, said shaft having a rectangular portion at one end to prevent its turning within the socket, the opposite end being screw-threaded and adapted to receive a nut and washer, whereby the adjustment of the parts is effected and a cam fulcrumed in the opposite end adapted to close the parts of the seat post head and clamp them against the corrugated disc of the seat support, substantially as described. 6th. In a bicycle, a vertically adjustable seat post, a seat-supporting bar with means for adjustably clamping it in the top of the seat post, said bar having corrugations upon the surface, and channels or grooves upon each side parallel with the upper surface, a block fitting and slidable within said grooves or channels and having a cam lever fulcrumed in the upper part thereof, a cam block having a face corrugated to engage with the face of the supporting-bar and loosely connected with the cam lever so that by the movement of the cam lever the block is locked in engagement with the supporting-bar. 7th. In a bicycle, a seat-supporting bar adjustably mounted upon the vertically movable seat-post with means for locking the bar to the seat-post and the seat-post to the seat-post socket, a saddle block slidable longitudinally upon the seat-supporting bar, a cam block with interlocking faces whereby said block may be engaged with and locked upon the supporting bar, holes made through the opposite sides of said block for the reception of the seat springs, and cam levers fulcrumed transversely adapted to engage and lock said seat springs at any desired point. 8th. In a bicycle, the vertically slidable seat and handle bar posts having one or more transversely corrugated surfaces, cam blocks having corresponding surfaces adopted to engage with those of the movable posts, cams fulcrumed in the sockets in which the posts are slidable, and loosely connected with the cam blocks, whereby the latter are engaged with or disengaged from the posts, guide flanges projecting from the sides of the cam blocks and corresponding channels formed upon each side of the corrugations of the posts with which said flanges engage whereby the posts are maintained in proper alignment with relation to the machine. 9th. In a bicycle, the vertically movable handle bar post with corrugations, locking cam and cam block, a two-part elastic head formed of discs with corrugated exterior faces, corresponding corrugated discs fitting upon the handle bar, a cam turnable upon the handle bar between the two parts of the head of the handle bar post whereby the parts may be separated and caused to engage with the discs upon the handle bar and lock the latter in any desired position. 10th. The handle bar post of a bicycle vertically slidable, having corrugated faces upon front and back, a cam lever journaled in a sleeve turnable upon the socket of the handle bar post, a cam block with which said lever is loosely connected, movable through a slot in the socket of the post, a guide at the front of said socket in which one of the corrugated surfaces is movable while the other is in position to be engaged by the cam block and locked thereby, so that the post may be turned around a half revolution and the position of the handle bar reversed with relation to the machine. 11th. An adjusting and clamping device for handle bars of bicycles, consisting of discs fitting the central portion of the handle bar having their inner faces radially corrugated, a correspondingly shaped head for the handle bar post having a slot formed in the upper end in line with the frame of the machine, through which head the handle bar is adapted to pass with its corrugated discs exterior to the circular head discs of the post, a cam fitting the channel in the head of the post and turnable about the handle bar which passes therethrough, a lever b by which the cam is actuated projecting rearwardly, and lugs with which the cam engages when turned, whereby the channelled post head is separated and its outer faces interlocked with those of the discs upon the handle bar, and the latter is locked in any desired position. 12th. The steering post of a bicycle having a slotted head, the parts of which are movable to and from each other and which have radially corrugated outer surfaces, as shown, central openings through which the handle bar passes through said head, a cam fitting between the two parts turnable upon the handle bar, and lugs with which the cam engages to separate the discs forming the head of the post or allow them to approach each other, circular discs fitted upon the handle bar exterior to the discs forming the post head, and correspondingly corrugated so as to be engaged thereby when the head is spread by the action of the cam, a cylindrical hood or collar enclosing the parts and adapted to enclose the discs which are fixed to the handle bar, whereby they are maintained in position and protected from dust. 13th. In a handle bar adjustment of the character described, the circular rotary cam with its projecting lever, a collar or casing surrounding and enclosing the interlocking discs of the handle bar and the steering post head, said collar having a channel or slot in the line of travel of the movable cam lever, and a gate fixed to the cam lever and slidable therewith to open the channel when the lever is moved to disengage the locking