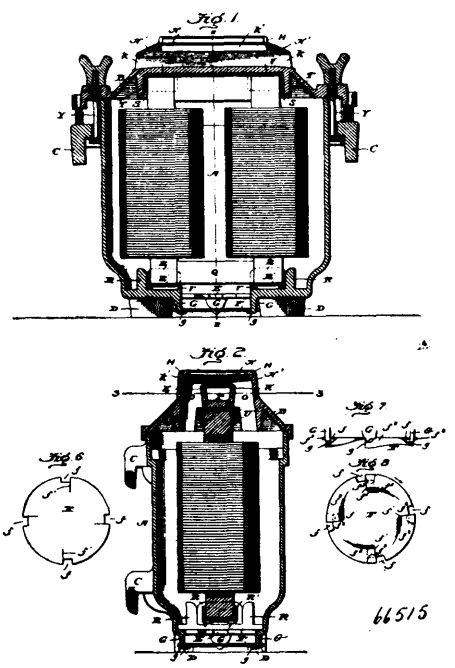
arms in their normal position, substantially as specified. 2nd. A bicycle rest, consisting of clamping collars adapted for attachment to the frame of a bicycle, one of the collars being provided with pivotally connected legs and the other collar having clips attached, adapted to receive the legs when folded, arms pivotally attached to the collar carrying said clips, said arms normally engaging with the outer faces of the collar at opposite sides, independent handles for said arms, and a spring connection between said handles, said spring connection serving to normally hold said arms in engagement with the collar in connection with which they are employed, for the purpose set forth. 3rd. A bicycle rest, comprising members adapted for attachment to a bicycle frame, one of said members having outwardly extended lugs, legs pivotally connected to said lugs, and downwardly and outwardly inclined blocks between adjacent lugs, to govern the angle of the legs relatively to the bicycle, and a member adapted to be secured to the bicycle frame and having clips to receive the legs when folded.

No. 66,515. Ventilated Transformer.

(Transformeur électrique.)



James W. Packard, Warren, Ohio, U.S.A., 7th March, 1900; 6 years. (Filed 21st June, 1899.)

Claim.—1st. The herein described case for an electric transformer having ventilating openings in its top and bottom, and a shield or baffle plate supported from the casing in a position below the ventilating opening in the bottom thereof, substantially as set forth. 2nd. The herein described case for an electric transformer having ventilating openings in its bottom and top, a series of lugs depending from the bottom of the casing about the ventilating opening therein, and a plate supported by said lugs out of contact with the bottom and extending across the opening therein, substantially as set forth. 3rd. In a transformer casing, the combination of a body having an opening in its bottom and an opening in its top, upwardly extending ribs or flanges on opposite sides of the opening in the top, and a plate connecting said flanges and forming therewith a horizontal passage above, and communicating at points intermediate its ends with the coil chamber of the casing, substantially as set forth. 4th. In a transformer casing, the combination of a body having an opening in its bottom and two parallel slots or openings in its top, the walls of which extend above said top, and the outer side walls of the top openings extending above the inner side walls thereof, and a plate secured to the outer side walls of said top openings, above the inner side walls thereof, whereby a passage open at its ends and communicating with both of the slots in the casing top is provided, substantially as set forth. 5th. In a transformer casing, the combination of a body having an opening at its bottom and two parallel slots or openings in its top, the walls of which extend above the casing, the outer side walls of said top slots or openings extending above the inner and end walls thereof, and the inner walls of said slots projecting longitudinally beyond the ends of the slots, and a cap plate connecting the outer walls of said slots, above the inner walls, and provided at its ends with sections that connect the portions of the inner walls of said slots that extend longitudinally beyond the outer walls thereof, substantially as set forth. 6th. The combination with a transformer casing, having an opening in its bottom, of the herein described ventilating cap or cover having the longitudinally extending flanges or ribs H, on its upper surface, the relatively lower ribs or flanges K, between those aforesaid, a plate having its opposite side edges supported by the first said flanges or ribs H, and slots or apertures O, formed in the body of the cap or cover between the flanges H, K, substantially as set forth, 7th. In a transformer, the combination of a casing having an air inlet opening in its bottom, a coil whose core extends across said opening and is supported by raised portions of the bottom on opposite sides thereof, and a cover for the casing having on its inner surface means for engaging with the upper end of the core and having air outlet passages between which the upper end of the core extends, substantially as set forth. 8th. In a transformer, the combination of a coil, a casing for said coil, lugs extending upwardly from the bottom of the casing and arranged to receive the core of the coil between them and prevent horizontal movement thereof in any direction, a cover provided on its inner side with two sets of downwardly projecting ribs T, the members of each set being arranged to form a socket or holder for one of the upper corners of the core, and insulating means separating the coil from said lugs and ribs, substantially as set forth. 9th. The combination with a case for an electric transformer having a ventilating aperture formed in one of its walls, of a series of lugs projecting from the outer face of said wall about said aperture, and a baffle plate adapted to detachably engage and extend across the space between said lugs, substantially as set forth. 10th. The combination with a case for an electric transformer having a ventilating aperture formed in one of its walls, of a plate supported from said wall to provide a series of passages, each open at both ends and communicating at intermediate points with the said ventilating aperture, substantially as set forth. 11th. The combination with a case for an electric transformer having a ventilating aperture in its bottom wall, of a series of lugs depending from said wall about the ventilating aperture therein, and each having its lower end bent inwardly, and a plate arranged to extend across the space between said lugs and be supported by the said inwardly extending lower ends thereof, substantially as set forth. 12th. The combination with a case for an electric transformer having a ventilating aperture in its bottom wall, of a series of lugs depending from said wall about the ventilating aperture therein, and each having an inwardly extending lip at its lower end, and a plate adapted to be supported by said lips and to project across the edges of the lugs above the lips, substantially as set forth. 13th. The combination with a case for an electric transformer having a ventilating aperture in its bottom wall, of a series of lugs depending from said wall about the opening therein, and each having its lower end bent inwardly, and a plate adapted to be supported by said lower ends of the lugs, and at points inside of its perimeter, substantially as set forth. 14th. The combination with a case for an electric transformer having a ventilating aperture in one of its walls, of a series of lugs projecting from said wall and each having its free ends bent inwardly, and a plate adapted to be supported by said lugs, it having a series of peripheral notches corresponding in number and location to said lugs, and a radial slit extending into its body to points beyond the inner end of said notch at one side of said notch, substantially as and for the purpose set forth.

No. 66,516. Bicycle Propelling Mechanism.

(Mécanisme de propulsion de bicycles.)

Johan Kibin, New York City, New York, U.S.A., 7th March, 1900; 6 years. (Filed 16th September, 1899.)

Claim.—1st. An apparatus of the class described, comprising a pedal shaft, a sleeve mounted thereon, and adapted to turn thereon, and provided at its outer end with a sprocket wheel and at its inner end with a small gear wheel, a larger gear wheel keyed to said shaft adjacent to the inner end of the sleeve, a supplemental shaft mounted adjacent to the pedal shaft, a sleeve mounted thereon and adapted to slide thereon, and turn therewith, a small gear wheel connected with the inner end of said sleeve and adapted to operate in connection with the larger gear wheel on the pedal shaft, a larger gear wheel mounted on the outer end of said last-named sleeve and adapted to operate in connection with the small gear wheel on the sleeve mounted on the pedal shaft, and means for moving the sleeve longitudinally on the supplemental shaft, said pedal shaft being also provided at each end thereof with a pedal crank and one of said cranks being provided with a pivoted pawl or dog which is adapted to operate in connection with the sprocket wheel, substantially as shown and described. 2nd. An apparatus of the class described, comprising a casing secured to the frame of a bicycle adjacent to the crank shaft, and surrounding a portion thereof adjacent to the usual sprocket wheel, said crank shaft being provided at each end with the usual pedal cranks, a pivoted pawl secured to one of said pedal cranks and adapted to operate in connection with said sprocket wheel, a collar revolubly mounted on said crank shaft, and bearing said sprocket wheel exterior of said casing, a supplemental shaft transversely mounted in said casing, a train of gears comprising a first gear wheel keyed to said crank shaft, a collar revolubly and slidably mounted on said supplemental shaft, and pivoted with two gear wheels, of which the second in the gear train is smaller than said first gear wheel, and the third larger than the second and a fourth gear wheel fixed to said collar on said crank shaft, and smaller than said third gear wheel, said gear wheel being adapted to slide