

**No. 42,125. Power Transmitter.***(Transmetteur de la force.)*

Benjamin William Warwick, London, England, 1st March, 1893; 6 years.

*Claim.*—1st. In combination, the movable time stamp having hands, the operating mechanism therein, the motor clock and flexible shafting connected to the moving mechanism of the clock to be rotated thereby, said flexible shafting being connected with the mechanism in the stamp, substantially as described. 2nd. In combination, the movable time stamp having hands, a crown wheel F, a time motor mechanism and the flexible shafting comprising the two shafts A, A, the pinions on opposite sides of the crown wheel and connected with the main shafts, substantially as described. 3rd. In combination, the movable time stamp having hands, an operating mechanism therefor, the motor mechanism and the flexible shafting comprising the right and left sections of spirals arranged end to end and connected together, substantially as described. 4th. In a time stamp, an automatic motor mechanism, the reversed clock dial and the hands, the said motor mechanism operating the hands in the reverse direction to the movement of ordinary clock hands, substantially as described. 5th. The herein described device for imparting a step by step motion to a self neutralizing conductor or conductors, substantially as herein described. 6th. A contrivance in which right and left handed spirals R and S, are employed, joined in the alternate sections so as to form a single self neutralizing flexible conductor.

**No. 42,126. Electric Railway System.***(Système électrique de chemin de fer.)*

Milton Shoemaker, Sioux City, Iowa, U.S.A., 1st March, 1893; 6 years.

*Claim.*—1st. In an electric railway system, an underground metallic conduit, having its upper surface slotted and flush with the road surface and set upon a sub drain and containing the following, viz.: a conductor F, a tubular conductor rail E, insulators D, carrying said rail E, rails C, and C', for the trolley carriage, a shield B<sup>2</sup>, a trolley carriage consisting of grooved wheels journalled between plates J and L, the latter extended to form a slot bar L', carrying the circuit and propelling connection, and the former carrying the shaft J, having an arm i, on which is journalled the trolley H, running upon said conductor, substantially as set forth. 2nd. In an electric railway system, the combination of an open sub-drain A', and a super-imposed metallic conduit carried on cross ties A, and having its upper surface slotted and level with the road surface, said conduit enclosing a conductor F, supported on a tubular rail, a tubular rail E, carrying said conductor, insulators D, secured to the conduit and carrying said tube E, the upper end lower trolley carriage rails C and C', the deflecting shield B<sup>2</sup>, secured in the slot of the conduit, the trolley carriage consisting of grooved wheels K and K', running upon said rails and journalled between the plates J and L, which latter is contracted and extending to form a slot bar L', projecting through the slot b, in said conduit, said plate J, having journalled upon it over an insulating plate j, and by means of insulating bearings J', a shaft J, carrying an axle i, upon which is journalled the trolley wheel H, and said slot bar having at its upper end draft irons N, and in a groove provided therefor, the insulated conductor M, in contact with the shaft I, substantially as set forth. 3rd. In an electric railway system, a metallic tubular conductor carrier supported upon glass insulators placed at suitable distances apart, said tube secured on said insulators by means of wires passing around said tube and diagonally through passages in said insulators, and having its ends formed into heads, said conductor having clips with hooks, which engage suitable notches or grooves in said tube, and keep said conductor in place thereon, substantially as set forth. 4th. In an electric railway system, in combination, a tubular conductor rail, glass insulators set a suitable distance apart and having its top bedded to receive said tube and rigidly hold it by wires passing around said tube and through diagonal passages in said insulators, and said insulators being held in place by means of a bolt fitting in a recess in said insulator, a conductor placed upon said tube, and clips secured to said conductor and passing partly around said tube, and the ends engaging notches or grooves on said tube, substantially as set forth. 5th. In an electric railway system, the combination of the angle bars B, insulators D', bedded at the top to receive a tube and provided with passages d', and recess d, bolt D', to secure said insulator to said angle bar, tube E, having notches or grooves c, the wire e', passing through said passages and around said tube, the conductor F, and the clips f, secured to said conductor and provided with heads f', substantially as set forth. 6th. In an electric railway system, a conductor rail consisting of a metallic tube extending longitudinally inside of an underground conduit, said tube being set in glass insulators, and means for rigidly holding it in place therein, a suitable conductor, and suitable means for holding it in place on said metal tube, said metal tube being provided with glass connections at all points of connection between it and a service pipe for forcing hot air into and through said metal tube, substantially as set forth.

**No. 42,127. Bell. (Cloche.)**

Edward Dayton Rockwell, Brissol, Connecticut, U.S.A., 1st March, 1893; 6 years.

*Claim.*—1st. The combination with a base plate and top plate secured thereto, of a segmental gear and lever and pinion between the base plate and the top plate, a revoluble striker bar operatively connected with said pinion by a gearing above the top plate, whereby compact bell mechanism is secured, substantially as set forth. 2nd. In a bell the combination with a striker, its pivot pin and supporting part, of the noiseless washers above and below the striker, and a noiseless bearing piece around the pivot pin, substantially as set forth. 3rd. The combination with a base plate, a revoluble striker bar, spring actuated in one direction, a lever operatively connected therewith and adapted to rotate the striker bar in opposition to the force of the spring, and a gong, substantially as set forth. 4th. In bell mechanism, the combination with a frame and gong, and lug upon the gong, of a centrally pivoted pinion loosely mounted on a central post on the frame and having an arm upon one side, strikers upon the arm, and mechanism for communicating motion to it through the pinion, substantially as set forth.

**No. 42,128. Nail Parer or Cutter. (Appareil pour rogner et couper les ongles.)**

James Terrell Lewis, Ivy Depot, Virginia, U.S.A., 1st March, 1893; 6 years.

*Claim.*—1st. The nail cutter having the cutting notch and one or more guards to fit behind the nail, the device operating as described. 2nd. The nail cutter consisting of the blade having a lateral projection forming an acute angle with the adjacent edge of the blade, the inner edge of the projection forming a cutting edge, and a guide lug arranged substantially as described. 3rd. A nail cutter consisting of the blade having the lateral pointed projections forming an acute angle with the adjacent edge of the blade, the adjacent edges of the blade and projection formed into cutting edges, the edge at the meeting of said edges rounded and formed into cutting edge, and the side lugs on the blade forming guards to fit behind the nail, substantially as described. 4th. A nail cutter consisting of the blade having a pointed end, and a lateral pointed projection extending toward the opposite end, the cutting edges and the cylindrical lugs beveled as set forth on the sides of the blade and rounded at their outer ends, and a file substantially as described.

**No. 42,129. Register or Recorder for Ticket.***(Régistre ou indicateur de billets.)*

John Sharpe, Toronto, Ontario, Canada, 1st March, 1893; 6 years.

*Claim.*—1st. The combination with the hour hand spindle connected by gearing to the sleeve on which is secured the hour hand, of the hour registering wheel having the hours embossed on it as described and connected by a helical spring to the sleeve on the main arbor, and having a series of pins projecting from its rear face, which are intermittently caused to engage with the teeth of the ratchet wheel secured on the hour hand spindle as it rotates, as and for the purpose specified. 2nd. The combination with the minute hand spindle, of the minute registering wheel having the minutes embossed on it as described and connected by a helical spring to the main arbor, and having a series of pins projecting from its rear face, which are intermittently caused to engage with the teeth of the ratchet wheel secured on the minute hand spindle as it rotates, as and for the purpose specified. 3rd. The combination with the hour hand wheel connected by a helical spring to the sleeve on the main arbor, and intermittently caused to rotate as specified, of means whereby the spring is wound and intermittently held in position as the spring is unwound by the rotation of the wheel, as and for the purpose specified. 4th. The combination with the hour hand spindle connected by a helical spring to the sleeve on the main arbor and intermittently caused to rotate as specified, of the gearing and winding spindle by which the helical spring is wound and the ratchet wheel secured on the sleeve of the winding gear wheel and spring dog for engaging said ratchet wheel, as and for the purpose specified. 5th. The combination with the minute hand wheel connected by a helical spring to the main arbor and intermittently caused to rotate as specified, of means whereby the spring is wound and intermittently held in position as the spring is unwound by the rotation of the wheel, as and for the purpose specified. 6th. The combination with the minute hand wheel connected by a helical spring to the main arbor and intermittently caused to rotate as specified, of the arbor having a square outer end and a ratchet wheel secured on its inner end which ratchet wheel is engaged by a spring dog, as and for the purpose specified. 7th. A month registering rim supported in a ring P, attached to the face of the casing and having embossed on its periphery the months of the year at equal distances apart and in combination with the spring finger M', having the end m', designed to project into one of the holes m, as and for the purpose specified. 8th. A day registering rim, supported in a ring P, attached to the face of the casing and having embossed on its periphery the days of the month in numerical order at equal distances apart and having holes n, located at equal distances apart on its periphery in combination with the spring fingers H', having the end n', designed to project into one of the holes n, as and for the purpose specified. 9th. The block 16, pro-