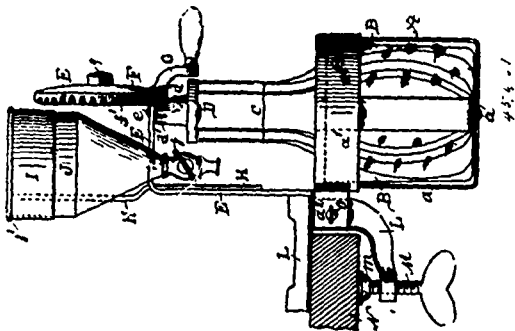


seat support, and a spring S for forcing the handle bar upwardly, substantially as and for the purpose specified. 13th. In a bicycle, the combination of a frame A, a brake-lever L supported on the frame, a movable handle bar N upon the frame, movable connections P, P', L', supported on the frame for operating the brake-lever, a lever O connected to said movable connections, and a link O' connected by ball and socket joints to said handle bar and the lever O, substantially as and for the purpose set forth. 14th. In a bicycle, the combination of a frame A, a pedal-shaft G, a movable support I for the pedal-shaft secured to the frame, a seat support K mounted on the movable support for the pedal-shaft, a handle bar N connected, substantially as described, to the seat support, whereby the handle bar N, the seat support K and the pedal-shaft G vibrate in unison, and a brake lever L supported on the frame and connected, substantially as described, to the handle bar N, substantially as and for the purpose specified.

No. 45,451. Mayonnaise Mixer.

(Appareil pour mélanger la mayonnaise.)

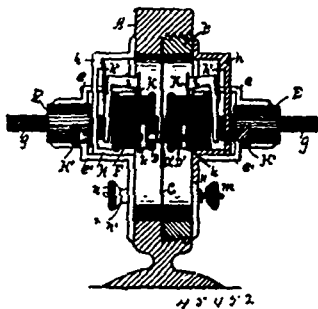


Jennie De Witt Harvey, Wilkesbarre, Pennsylvania, U.S.A., 1st March, 1894; 6 years.

Claim. 1st. A mayonnaise mixer having a beater, a cup within which the beater wires operate, means for holding the cup removably in position, and oil reservoir suspended above the cup, said reservoir being provided with means for regulating the flow of the oil into the cup. 2nd. In a mayonnaise mixer, the combination, with a beater provided with a clamping bracket, of a cup-holder removably secured to said bracket, a cup within the holder, and an oil reservoir provided with a stop-cock and arranged to discharge its contents into the cup for the purposes stated. 3rd. In a mayonnaise mixer, the combination, with a beater provided with a clamping bracket, of a cup-holder removably secured to said bracket, a cup within said holder, means for steadying the cup, and oil reservoir provided with a gauge and means for regulating the outward flow of the oil, said reservoir being so arranged as to discharge its contents into the cup, for the purposes set forth. 4th. A mayonnaise mixer comprising a rotary beater, a bracket for clamping the beater to a table or like support, a cup-holder removably secured to the bracket, a cup within said holder, means for steadying the cup, a standard secured to the beater and carrying a ring at its upper end, and an oil reservoir carried by said ring, said reservoir being provided with a gauge and a stop-cock, all substantially as described.

No. 45,452. Long Distance Telephone.

(Téléphone à longue distance.)



Charles Marshall Haynes, Omaha, Nebraska, U.S.A., 3rd March, 1894; 6 years.

Claim.—1st. In a telephone repeater, the combination with a supporting standard, of a diaphragm within the field, of two or more electro-magnets, within separate circuits, an insulated arm secured at one point to said diaphragm and an adjustable tension spring secured to said arms, to counterbalance the attraction of said electro-magnets, all substantially as and for the purpose set forth. 2nd. In a telephone repeater, the combination with a suitable

standard, of a diaphragm held within said standard, two or more electro-magnets adjustably secured to said standard within separate circuits and functioning said diaphragm, and an insulated tension spring secured to said diaphragm, and having its free ends working against a suitable set screw, all substantially as and for the purpose set forth. 3rd. In a telephone repeater, the combination with a supporting standard, of a diaphragm secured within said standard and provided upon each side with an insulated arm secured at one point to said diaphragm, said arms being provided with a metallic electrode, upon the free end, a recurved tension spring secured to each of said arms, and provided with an electrode, in combination with said metallic electrode, and means for regulating the tension of said recurved spring, all substantially as and for the purpose set forth. 4th. In a telephone repeater, the combination, with a supporting standard, of a diaphragm secured within said standard and provided upon each side with an insulated arm secured at one point to said diaphragm, said arms extending in like direction and provided with a metallic electrode upon the free end, a recurved adjustable tension spring secured to each of said arms, a supporting bracket secured to said frame, one upon each side, and positioned in front of said metallic electrode and provided with a set screw, a stub spring secured to each of said brackets upon the rear, and provided with an L-shaped tension lever, one stem of said lever working against said set screws, a diaphragm spring secured to the free end of each of said levers and provided with a recessed carbon electrode adapted to hold the free recurved end of said bow spring, so as to bring said carbon and metallic electrodes into juxtaposition, each set of electrodes being within a separate electric circuit, and an inductive coil within each of said circuits, all arranged to operate substantially as and for the purpose set forth. 5th. In a duplex telephone repeater, the combination of a supporting standard, a diaphragm secured within said standard, provided upon each side with an arm of non-conducting material, said arms extending slightly outward and secured at one end centrally within diaphragm, said arms extending in like direction and provided with a metallic electrode upon the free end, a recurved bow spring secured to each of said non-conducting arms, a supporting bracket secured to said frame, one upon each side, and positioned in front of said metallic electrode and provided with a set screw, a stub spring secured to each of said brackets upon the rear, and provided with an L-shaped tension lever, one stem of said lever working against said set screws, a diaphragm spring secured to the free end of each of said levers and provided with a recessed carbon electrode adapted to hold the free recurved end of said bow spring, so as to bring said carbon and metallic electrodes into juxtaposition, each set of electrodes being within a separate electric circuit, and two adjustable and insulated electro-magnets, one within each of said circuits and positioned centrally within the field of said diaphragm, one upon each side, and secured by means of suitable brackets, all arranged to operate, substantially as and for the purpose set forth. 6th. In a duplex telephone repeater, the combination of a supporting standard, a diaphragm secured within said standard provided upon each side with an arm of non-conducting material, said arms extending slightly outward and secured at one end centrally within said arms extending in like direction and provided with a metallic electrode upon the free end, a recurved bow spring secured to each of said non-conducting arms, a supporting bracket secured to said frame, one upon each side, and positioned in front of said metallic electrode and provided with a set screw, a stub spring secured to each of said brackets upon the rear, and provided with an L-shaped tension lever, one stem of said lever working against said set screws, a diaphragm spring secured to the free end of said levers and provided with a recessed carbon electrode adapted to hold the free recurved end of said bow spring, so as to bring said carbon and metallic electrodes into juxtaposition, each set of electrodes being within a separate electric circuit, two adjustable and insulated electro-magnets, one within each of said circuits and positioned centrally within the field of said diaphragm, one upon each side, and an auxiliary induction coil within said circuit, all arranged to operate substantially as and for the purpose set forth. 7th. In a telephone repeater, the combination of the following instrumentalities, to wit: the standard A, diaphragm C, the brackets c, c, supporting the cylindrical holders E, E, and the electro-magnets F, F, adjustably held within the holder E, each magnet being within a separate circuit, all substantially as and for the purpose set forth. 8th. In a telephone repeater, the combination of the instrumentalities, to wit: the standard A, provided centrally with the diaphragm C, the non-conducting arms C', C', secured to said diaphragm, and provided with the outwardly extending electrode D, and the recurved metallic tension spring D', and the brackets c', c', provided in the rear with the shoulder h, giving support to the stub spring h', the levers i secured to the spring h', the lower end working against the set screw H, the diaphragm springs K secured to said levers, and provided with the carbon electrode K adapted to hold the free end of the spring D, and work against the said electrode D, each set of electrodes being within a separate electric circuit, all substantially as and for the purpose set forth. 9th. In a duplex telephone repeater, the combination of the following instrumentalities, to wit: the standard A, diaphragm C, the arms C', C', secured to said diaphragm, and provided with the metallic electrodes D, D, and the recurved tension springs D', D', the bars c, c, supporting the cylindrical holders E, E, said holders adjustably securing the electro-magnets F, F, the brackets H, H, provided