engaged by the armature lever, and mechanism moved by said arm, when the armature is attracted to the magnet, to disconnect the second hand shaft from the escapement of the clock, substantially as and for the purpose set forth. 7th. In a synchronizing clock, the combination of a magnet, an armature lever, a disc or dial adapted to move with the minute hand of the clock, a pin carried by said disc, a lever adapted to be engaged by said pin, an arm 55, having an inclined face, a pin or projection moved by said lever and bearing against said inclined face on the arm to move the arm laterally, a projection on said armature lever adapted to engage the end of said arm, when the armature is attracted by the magnet, an arm 66, operated by said arm 55, to move the second hand shaft longitudinally, a projection carried by the cage on said second hand shaft, and which is adapted to engage a toothed disc on the escapement wheel, a pin 81, on said cage, and a stop 82, substantially as and for the purpose set forth. 8th. In a synchronizing clock, the combination of a magnet, an armature lever, an arm 55, adapted to be moved by the minute hand shaft, bell crank lever 67^a, a second hand shaft 71, a cage on said second hand shaft, a projection 79 carried by said cage, and adapted to engage a toothed wheel or disc secured to the escapement wheel, a pin 81 on said cage, and a stop 82, substantially as and for the purpose set forth. 9th. In a synchronizing clock, the combination of the magnet, an armature lever, an arm 55, having an inclined end 59 adapted to be engaged by a pin on said armature lever and having an incline 54, a rod 52 having a pinion 53 and a lever 51, a disc or dial 4 having a pin 50, a bell crank 67^a, an arm 66 depending from the arm 55, adapted to engage and move said bell crank lever, a second hand shaft 71, a disc on said second hand shaft behind which said bell crank lever fits, a cage on said second hand shaft having an arm 80 carrving a pin 79, a toothed disc or wheel 78 secured to the escapement wheel, a projection or pin 81 on said cage, and a stop 82, all substantially as and for the purpose set forth. 10th. In a synchronizing clock, the combination of a magnet, an armature lever, mechanism moved by said armature lever to disconnect the second hand from the escapement wheel, and mechanism moved by said armature lever to correct the minute hand of the clock, said mechanism consisting essentially of a notched disc, an arm having a conical end, and a lever arranged to move said arm to press its conical head into said notch, substantially as and for the purpose set forth. 11th. In a synchronizing clock, the combination of a magnet, an armature lever, a notched disc connected to the minute hand of the clock, an arm having a conical end to engage in said notch, and a lever adapted to bear against said arm, and which is moved by said armature, substantially as and for the purpose set forth. 12th. In a synchronizing clock, the combination of the rod 52, having a lever 51, a disc carried by the minute hand shaft, and adapted to move said lever, and an arm 60 on said shaft, carrying an insulated contact plate 62 for closing the circuit, substantially as and for the purpose set forth. 13th. In a synchronizing clock, the combination of an arm 102, lever 105, having an inclined end 108, a stop 107 secured to said lever, a cage carried by the second hand shaft and having a pin adapted to engage a toothed disc carried by the escapement wheel, a pin 81 on said cage, an arm 110 adapted to be moved by said arm 102, and a bell crank lever 67^a, adapted to move said second hand shaft, substantially as and for the purpose set forth. 14th. In a synchronizing mechanism for clocks, an armature, a seconds hand shaft, a cage 73 carried loose on said shaft, a pin 79 and wheel 78, adapted to connect the said shaft to said cage, and mechanism between the armature and seconds hand shaft adapted to rotate the shaft and disconnect it from the cage 73, for the purpose set forth. 15th. In a synchronizing mechanism for clocks, an armature, an armature lever, the seconds hand, a shaft giving motion to the seconds hand, and an escapement wheel 72 having pin and wheel connection with the said shaft, and mechanism between the armature lever and said wheel adapted to rotate the wheel by the simple movement of the armature lever, for the purpose set forth. 16th. In a synchronizing mechanism for clocks, an armature lever having a pawl, a wheel acted upon by the pawl on the movement of the lever, and a wheel upon a shaft of the clock mechanism adapted to engage a wheel on the axis of the pawl wheel and having frictional connection with its shaft, substantially as and for the purpose set forth. 17th. In a synchronizing mechanism for clocks, a seconds hand shaft, a cage 73, a pin 79 and wheel 78 engaging the shaft with the cage 73, and which are disengaged by an endwise movement of the shaft, an armature lever, mechanism in connection with the armature lever adapted to revolve and give the said endwise motion to the seconds hand shaft, and a spring restoring the shaft to engagement with the cage, substantially as set forth. 18th. a synchronizing mechanism connecting the pawl wheel with the clock mechanism, a bell crank lever 67, 69, mechanism for moving the bell crank lever, a seconds hand shaft having endwise movement, and which is engaged by said bell crank lever, a cage on the shaft, a pin and wheel connection between the shaft and cage, adapted for engagement and disengagement by the endwise movement of the shaft, and a spring acting on the shaft in opposition to the bell crank lever, substantially as and for the purpose set forth. 19th. In a synchronizing mechanism for clocks, an armature lever carrying a pawl, a wheel acted on by the pawl, a bell crank lever 67, 69, mechanism for moving the bell crank lever, seconds hand shaft with wheel and pin connection with a cage, and having a collar apapted to receive the pressure of the bell crank, and a spring acting upon the shaft in opposition to the bell crank, substantially as and for the purpose set forth. 20th. In an electric winding clock, the shaft 3, the wheel 22, on said shaft and connected with the main spring, the wheel 20 on said shaft, the circuit breaking lever with its brush 26, the lever 28, the catch 30, lever 35, catch 41, having a finger 42, and a studd 44 on said wheel 22, substantially as set forth. 21st. In an electric winding clock, the shaft 3, the wheels 20 and 22 on said shaft, the main spring connected to the shaft and to the wheel 22, a movable contact device 26, and a disc 17 adapted for continuous contact with the device during the rotation of the wheels 20 and 22, substantially as set forth. 22nd. In an electric winding clock, the shaft 3, a wheel 22 on said shaft and having an incline 36, a stud 44, a wheel 20 on said shaft, a rod 37 parallel with said shaft and having bearing in the wheel 20, the levers 39, 28 and 24, with springs 27 and 33, and the catch 41, substantially as set forth. 23rd. In an electric winding clock, the shaft 3, wheel 22 on said shaft, having incline 36 and stud 44, wheel 20 on said shaft, main spring 21, rod 37 with wheel 38, lever 24 with brush 26, the conducting disc 17, the levers 28, 35, 39, catches 30 and 41, and an electric winding device, substantially as set forth. 24th. In an electric winding clock, the described combination of the main spring 21, and wheel 20 on the shaft 3, and the electric winder, composed of the magnet 8, armature lever 9, pawl 11, ratchet wheel 12, and spur wheel 13^a, all constructed substantially as set forth.

No. 42,521. Umbrella. (*Parapluie.*)

Robert Ralston, Hamilton, Ontario, Canada, 8th April, 1893; 6 years.

Claim.—1st. In an umbrella, a tube to receive the handle attached to the notch ring, to which the ribs are secured, and provided with an opening for the insertion of a pin through the tube and handle, by which the said handle is rendered removable, substantially as and for the purpose specified. 2nd. In an umbrella, the combination of the ribs *c*, tube C, with notch ring *b*, and tube runner B, *d*, pin *a*, and braces E, substantially as and for the purpose specified.

No. 42,522. Plow. (*Charrue.*)

William A. Keahey, Garnett, Arkansas, U.S.A., 8th April, 1893 6 years.

Claim.—1st. The combination in a plow, of the beam, the handles, the stirrup pivoted thereto and embracing the beam, and the downwardly depending arms having a series of holes pivoted to the beam and to the handles, substantially as described. 2nd. The combination with the beam and the adjustable handles, of the standard, the brace, the adjustable guide and the shovel secured thereto, substantially as described. 3rd. The combination with the beam, the adjustable handles, the standard, the brace, the adjustable guide and the shovel, of the fender pivoted to the beam, substantially as described. 4th. The combination in a plow, of the beam, and the clevis consisting of a metal plate or bar bent over at the centre forming two arms, the ends of which are curved upwardly and bent inwardly forming lugs, engaging with the upper side of the beam, substantially as described.

No. 42,523. Steamboat for Passengers.

(*Bateau à vapeur pour passagers.*)

Alexander McDougall, Duluth, Minnesota, U.S.A., 8th April, 1893; 6 years.

Claim.—1st. The combination of a hull of a general tubular form, for giving torsional strength thereto, of a metallic deck rigidly supported above said hull for imparting longitudinal strength to the same, substantially as described. 2nd. An improved steam passenger boat, consisting of a hull of a general tubular form, for giving torsional strength thereto, a horizontal deck rigidly supported above said hull for imparting longitudinal strength to the same, and cabins mounted on said horizontal deck, substantially as described. 3rd. An improved steam passenger boat, consisting of a hull of a general tubular form, a horizontal deck rigidly mounted above said hull upon turrets E and F, and supporting pipes, and cabins on said horizontal deck, substantially as described. 4th. An improved steam passenger boat, consisting of a hull of a general tubular form, bulk heads within said hull extending from the false bottom thereof to the extreme top, a horizontal deck rigidly mounted above said hull on turrets and supporting pipes, and cabins on said horizontal deck, substantially as described. 5th. An improved steam passenger boat, consisting of a hull having straight parallel sides, a long spoon shaped bow, a fine cut-away stem, a rounded bottom, and a curved top, a horizontal deck rigidly mounted above said hull on turrets and supporting pipes, and cabins on said horizontal deck, substantially as described.

No. 42,524. Eye-glass, etc. (*Lorgnon, etc.*)

Fritz George Schmidt, New York, State of New York, U.S.A., 8th April, 1893; 6 years.

Claim.—1st. The improved nose piece for eye-glasses or analogous devices, consisting of the substantially flat metallic piece H, adapted to be connected to the glasses, having integral portion *a*, constituting the usual forward nose piece, extending substantially in the plane of the lenses and constructed on its back face to be attached directly to the usual stud of the glasses and on its front face to be