

and driven by said water-power mechanism, electrical conductors for conveying the current generated by the dynamo to shore, a working circuit containing electrical transmitting devices, and a storage battery in circuit with the dynamo, whereby regularity of the working current is maintained, substantially as described and shown. 2nd. The combination of a water-power mechanism, a floating support therefor, anchored or otherwise secured in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, electrical conductors for conveying the current of the dynamo to shore, a working circuit containing electrical transmitting devices, and a storage battery with electrical connections whereby it may be thrown into or out of circuit as required, to maintain the continuity and regularity of the working current, substantially as described and shown. 3rd. The combination of a water-power mechanism, a floating support therefor, anchored or otherwise fixed in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, electrical conductors for conveying the current generated by the dynamo to shore for the performance of work, and a storage battery in circuit between the dynamo and the working circuit, and located upon the floating support, substantially as described and for the purposes set forth. 4th. The combination of a water power mechanism, a floating support therefor, anchored or otherwise fixed in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, electrical conductors for conveying the current generated by the dynamo to shore, and a storage battery and electrical connections therefor, whereby it may be thrown into and taken out of the circuit of the dynamo at will. 5th. The combination of a water-power mechanism, a floating support therefor, anchored or otherwise fixed in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, and a storage battery and electrical connection therefor, whereby it may be thrown into or out of circuit with the dynamo at will, said storage battery and connections being also located upon the floating support. 6th. The combination of a dynamo-electric machine mounted upon, and driven by a floating current motor, and provided with a flexible electrical conductor for conveying its current to distant fixed points, for utilization with storage batteries arranged in sections in the circuit of the dynamo, and provided with working circuits and electrical connections, whereby currents of varying degrees of tension as desired may be taken from the said batteries for the performance of work, substantially as described and for the purpose set forth. 7th. The combination of a water-power mechanism, a floating support therefor, anchored or otherwise secured in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, electrical conductors for conveying the current generated by the dynamo to shore, a working circuit connected with said conductors, and a storage battery in multiple arc with said working circuit, substantially as described and for the purpose set forth. 8th. The combination of a water-power mechanism, a floating support therefor, anchored or otherwise secured in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, electrical conductors for conveying the current generated by the dynamo to shore, a working circuit connected with said conductors, a storage battery in multiple arc with said working circuit, and three circuit breakers, one in the storage battery branch and one on each side of the reel in the main circuit, substantially as described and for the purpose set forth. 9th. The combination of a water-power mechanism, a floating support therefor, anchored or otherwise secured in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, electrical conductors for conveying the current generated by the dynamo to shore, a working circuit connected with said conductors, a storage battery in multiple arc with said working circuit, and three circuit breakers, one in the storage battery branch and one on each side of the reel in the main circuit, substantially as described and for the purpose set forth. 10th. The combination of a water-power mechanism, a floating support therefor, anchored or otherwise secured in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, conducting cables for conveying the electricity by said dynamo to shore, and a tank on said float for receiving a reserve coil of said cable. 11th. The combination of a water-power mechanism, a floating support therefor, anchored or otherwise secured in the stream, a dynamo-electric machine mounted on said support and driven by said water-power mechanism, conducting cables for conveying the electricity generated by said dynamo to shore, a tank for said float for receiving a reserve coil of said cable, and a reel for readily running the cable on and off the float. 12th. The combination of a water-power mechanism, a floating support therefor, a dynamo-electric machine mounted on said support and driven by said power mechanism, a cable for carrying the current of said generator to shore and a reel for carrying a part of said cable and running it on and off the float.

No. 25,328. Shuttle for Sewing Machines.

(Nouvelle de Machine à Coudre.)

Frederick P. Cheney, Glover, Vt., U.S., 11th November, 1886; 5 years.

Claim.—1st. The combination, in a cylindrical shuttle provided with the chamber A, of the double spring B and the fulcrum C, substantially as and for the purpose hereinbefore set forth. 2nd. The combination, with the shuttle case, of the leaf D provided with the curved edge N, projection d, central guide opening F, and the tension openings S, S', with the leaf a substantially as described and for the purpose hereinbefore specified. 3rd. The covering plate B composed of the leaves a and b, the leaf b having a portion longitudinally depressed or sunk below the leaf a, and having a curve d edge n, in combination with the shuttle case having elliptical opening therein, substantially as described and for the purpose hereinbefore set forth. 4th. The open ended cylindrical shuttle case provided with an elliptical opening in its side, adapted to admit of the insertion and removal of the bobbin therethrough, in combination with the double tension spring B, arranged to serve as a cover for said opening, substantially as described and for the purpose hereinbefore set forth.

No. 25,329. Wire Fence Stay.

(Etat de Clôture en Fil de Fer.)

William J. Adam, Joliet, Ill., U.S., 11th November, 1886; 5 years.

Claim.—1st. A stay for wire fences bent at short regular intervals throughout its length, to form side loops for the reception of the fence wires, and side entrances leading to said loops to conduct the fence wires to said loops, in the manner substantially as set forth. 2nd. A stay for wire fences having side loops and side entrances leading to said loops, formed at short regular intervals throughout its length, and adapted to be attached to the wires of a fence by conducting the fence wires in said loops through said side entrances, when said loops are placed or held parallel with the fence wires, and to lock the fence wires in said loops when the stay is rotated to change the position of said side entrance, in the manner substantially as and for the purpose set forth. 3rd. A stay for wire fences bent at regular intervals throughout its length, to form loops for the reception of the fence wires, and side entrances leading to said loops, wherein the portions of the stay forming said entrances overlap or pass each other and stand apart from each other, in the manner substantially as and for the purpose specified. 4th. A stay for wire fences bent at short regular intervals along its length, to form loops for the reception of fence wires, and entrances leading to said loops to admit the fence wires, said loops, in combination with the wires of a fence and adapted to be secured to said fence wires, to lock them in said loops by securing one end of the stay to one or more of the fence wires, in the manner substantially as set forth. 5th. The stay for wire fences, shown and described, having side loops therein by means of partially rotating said stay, substantially as set forth. 6th. The stay for wire fences, shown and described, having side loops for holding the fence wires and adapted to lock the fence wires therein by means of closing the entrance to said loops, substantially as set forth.

No. 25,330. Bed Bottom. (Sommeil de Lit.)

Dallas Knowlton, Brantford, Ont., 11th November, 1886; 5 years.

Claim.—In a bed-bottom, the combination of sides A with spiral springs D and E, also the flexible bent non-elastic band G made of wire cloth (thin metal or wire) and attached by hooks F to sides A, substantially as and for the purpose hereinbefore set forth.

No. 25,331. Wrench. (Clé à Erou.)

James A. Fairbanks, Augusta, Me., U.S., 11th November, 1886; 5 years.

Claim.—1st. In a wrench of the class described, a handle having a bolt integral therewith, said bolt being connected to one jaw of the wrench and having an external screw cut thereon, in combination with the second jaw of the wrench, all operating as fully described. 2nd. In a wrench of the class described, a handle having a bolt integral therewith, said bolt being connected with one jaw of the wrench, and having an external screw cut thereon, said screw being cut off on the side to give a quick return, in combination with the second jaw of the wrench, all operating as fully described. 3rd. In a wrench of the class described, the combination of the shank having the bolt C with external screw integral therewith, the jaw B on the case A, the sleeve D and the shank U having concave screws 1, 2, 3, 4 and 5, and jaw a thereon.

No. 25,332. Nut Lock. (Arrête-Erou.)

Sarvas L. Shellenbeger, Tyler, Texas, U.S., 11th November, 1886; 5 years.

Claim.—In combination with an ordinary threaded bolt and ordinary nut thereon, a separate soft locking rim, formed substantially as shown and described, and adapted to be slipped over the end of said bolt against said nut and compressed upon the threads of said bolt, substantially as set forth.

No. 25,333. Gas Meter. (Compteur au Gaz.)

Archie Langris, Chicago, Ill., U.S. and Peter English, Woodstock, Ont., 11th November, 1886; 5 years.

Claim.—1st. In a gas meter, the expansible chambers A, F, connected by a liquid joint J, substantially as and for the purpose specified. 2nd. In a gas meter, the cup F and reservoir E, in combination with the weighted lever H, as and for the purpose specified. 3rd. In a gas meter, the cup F and reservoir E, in combination with the lever H, arm J and bar J, as and for the purpose specified. 4th. In a gas meter, the cup F in combination with the reservoir E and liquid joint J, as and for the purpose specified.

No. 25,334. Carburetted Attachment for Gas Fixtures. (Appareil à Carburer le Gaz.)

James Kidd, (administrator of the Estate of Joshua Kidd), Newark, N.J., U.S., 11th November, 1886; 5 years.

Claim.—1st. The combination of a carburetted-vessel, a gas burner and gas heater, whereby the gas is heated by heat derived from the gas flames before entering the carburetted-vessel, for the purpose of melting and vaporizing the hydrocarbon, substantially as described. 2nd. The combination of a gas heater consisting of a pipe or chamber in which the gas is heated before entering the carburetted-vessel, for the purpose of melting and volatilizing the hydrocarbon contained therein, a gas burner and a carburetted-vessel detachable from the fixed portion of the apparatus, substantially as described. 3rd. The combination of the heater D, the burners A and the carburetted-vessel C, having a single opening or neck G, and detachably suspended from the fixed part of the apparatus at said opening, substantially as described. 4th. The combination, in a carburetted gas fixture, of a gas inlet pipe E, a heater D surrounding said pipe, a