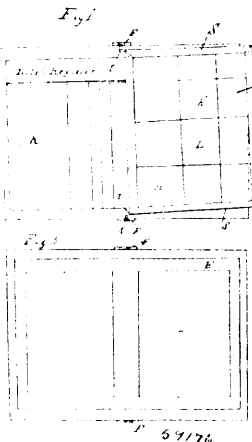


closing communication with said hose, a storage battery, an electric motor, means for electrically connecting the motor and battery, a second pipe leading from the pump to the tank and provided with a valve for closing communication with the tank and a branch for attaching hose thereto to distribute water, and a valve in the branch for closing communication with the hose, means for connecting the storage battery with an extraneous electric conductor and means for transmitting power from the motor to the traction wheels of the carriage for the purposes stated. 4th. In an electrical fire-engine, the combination of an electric motor and a rotary pump on the same shaft, a suitable water-tank supported between the wheels of the carriage, a storage battery mounted on the tank, wires for connecting the storage battery and motor and the pipes leading from the tank to the pump, a hose connected with one of said pipes to draw water from a suitable source of water supply to the pump and tank, and a hose connected with the other pipe to distribute water from the tank and pump, as and for the purposes stated. 5th. In an electrical fire-engine, the combination of an electric motor and a rotary pump on the same shaft, a suitable water-tank supported between the wheels of the carriage, a storage battery mounted on the tank, wires for connecting the storage battery and motor, a T-pipe connected with the pump and one branch thereof communicating with the tank and the other branch provided with a hose for drawing water, and a second T-pipe connected with the pump and the tank and provided with a hose for distributing water, and suitable gearing for connecting the motor and pump shaft with the driving-axle, substantially as and for the purposes stated. 6th. An electric fire-engine, comprising a suitable carriage, an electric motor, a pump, a water-supply tank, a pipe leading from the tank and a valve for closing said pipe, a pipe leading to an extraneous water-supply and a valve for closing said pipe, a pipe leading from the pump to the tank and provided with a valve for closing said pipe, a hose for distributing water from said pipe and a valve in the pipe for closing communication with said hose, a storage battery, means for detachably connecting said battery with the motor, means for detachably connecting the motor with an extraneous electric conductor and means for detachably connecting the motor with the traction wheels of the carriage, all arranged and combined to operate in the manner set forth. 7th. In an electric fire-engine, the combination with a carriage of a tank for storing water, a storage battery located on top of the tank, an electric motor, means for connecting the motor and storage battery, a pump, a pipe communicating with the pump and tank and provided with an intervening valve and also provided with a branch for connecting a hose leading to a water supply and a valve in said branch and a second pipe communicating with the pump and tank and provided with a valve between the pump and the tank and a branch having a distributing hose attached thereto and a valve for closing communication with said hose, means for connecting the storage battery with an electric conductor that is extraneous to the engine, and means for transmitting power from the motor to the traction wheels of the carriage to propel the engine, for the purposes stated.

No. 59,176. Revolvable Desk. (*Pupitre tournant*)

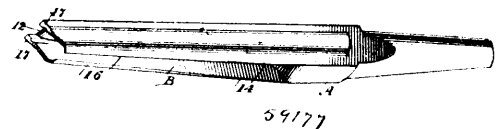


John D. Mays, Dubuque, Iowa, U.S.A., 2nd March, 1898; 6 years. (Filed 17th February, 1898.)

Claim.—1st. A device of the character described, consisting of a desk, a register thereon, and a show-case hinged to the desk and adapted to be turned to rest on either page of the open register, for the purposes shown. 2nd. A device of the character described, a desk, a show-case, consisting of two plates of glass removably set in a frame with a space between said glass, and means for adjustably hinging the show-case upon the desk, for the purposes shown. 3rd. A device of the character described, a turn-table, a revolvable desk pivoted to said turn-table, and a show-case hinged to the desk, the said case having two opposite transparent sides, with space between the sides for receiving one or more advertising-sheets, adapted to be

read from either side of the case, for the purposes shown. 4th. In a device of the character described, a show-case consisting of two plates of glass having bevelled corners, means for hinging said case to a desk, consisting of the arms *l*, plates *h* and projections *k*, all combined to operate, as and for the purposes shown. 5th. A turn-table with rollers therein, a desk pivoted upon said turn-table and adapted to travel upon said rollers, a register upon said desk and a show-case adjustably hinged to said desk and consisting of two plates of glass removably secured within a frame with space between the glasses, and one or more advertising-sheets between the glass, adapted to be read from either side of the show-case, as and for the purposes shown. 6th. A device of the character described, a turn-table *A*, with socket *d* and rollers *b*, a desk pivoted upon said turn-table, and having the pads *c*, cover *E*, butts *F*, a register *K*, and show-case *S*, consisting of frame *H*, glass *G*, advertising-sheets *k*¹, and arms *l*, projections *k*, and plates *h*, all combined as and for the purposes shown. 7th. In a device of the character described, a turn-table, a desk pivoted to the turn-table with padding upon its upper surface and butt *F*, of hinge attached to opposite ends of the desk and a show-case consisting of two plates of glass removably set in the frame, with space between the glass and provided with arms *l*, and projections *k*, to engage with the butts *F* of the desk, all combined to operate substantially as described and shown. 8th. In a device of the character described, a revolvable desk and a show-case hinged thereto, having glasses *G*, with bevelled corners *g* removably set within a frame, arms *l* provided with plate *h* and projections *k*, said arms removably secured within said frame, all combined to operate substantially as described and shown. 9th. In a device of the character described, a turn-table provided with rollers set within said table, a desk pivoted upon said turn-table and provided at its opposite ends with half of a hinge and a register, in combination with a show-case having two plates of glass removably set in the frame, with a space between said glasses and with means attached to said show-case for engaging with the half of the hinge upon the desk, whereby the said show-case is removably hinged to the revolvable desk, all combined to operate substantially as described and shown.

No. 59,177. Mortising Chisel. (*Ciseau à mortaiser*)



William Potter, New York, State of New York, U.S.A., 2nd March, 1898; 6 years. (Filed 8th November, 1897.)

Claim.—1st. A chisel, the chip-receiving channel whereof has its side walls bevelled outwardly in opposite directions, substantially as described. 2nd. A mortising chisel, the side walls of the chip-receiving channel whereof are provided with a floor of uniform width, having an upward inclination from the cutting edge of the chisel and having the interior faces of its side walls bevelled upwardly and outwardly, as and for the purpose specified. 3rd. A mortising chisel, the chip-receiving channel whereof is provided with a floor inclined upwardly and rearwardly, and side walls having their inner faces bevelled upwardly in opposite directions, the said side walls being provided with inwardly extending flanges, commencing at the cutting edge of the chisel and extending a predetermined distance rearward, as and for the purpose specified. 4th. A mortising chisel, provided with a chip-receiving channel, the floor whereof is of uniform width and is given an upward inclination from the cutting edge, the forward portion of the floor being downwardly curved and the side walls having their inner faces upwardly inclined in opposite directions, the said side walls extending beyond the forward end of the floor, having their forward ends bevelled, forming cutting edges, and flanges formed upon the side walls of the said channel, extending in direction of each other over the floor, the flanges being tapering and losing themselves in the side walls of the channel at a point between the centre of said channel and its rear end, as and for the purpose specified. 5th. A mortising chisel, provided with a chip-receiving channel having an upwardly inclined floor provided with rearwardly inclined teeth and side walls bevelled outwardly in opposite directions, together with a flange which extends from the side walls at the cutting edge of the chisel to a predetermined point near the rear portion of the channel, as and for the purpose specified.

No. 59,178. Rivetting Implement. (*Outil à river*)

Warren J. Ball, Salem, Ohio, U.S.A., 2nd March, 1898; 6 years. (Filed 22nd November, 1897.)

Claim.—1st. The combination of the head 1, provided with the integral handle 2, and the arm 3, an adjustable die connected to the arm, a plunger located within the head and below the die, and a pivoted handle connected to the head and loosely engaging the plunger-head, substantially as and for the purpose specified. 2nd. The combination of the head 1, provided with the guides or ways, a plunger head located within the head 1, and below the die, an adjustable die connected to the arm 3, and a pivoted handle com-