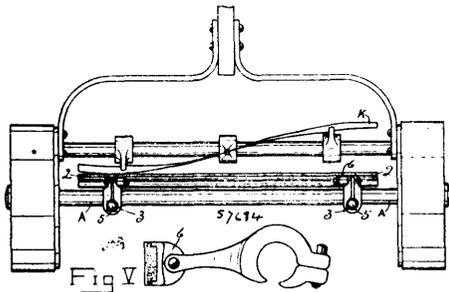
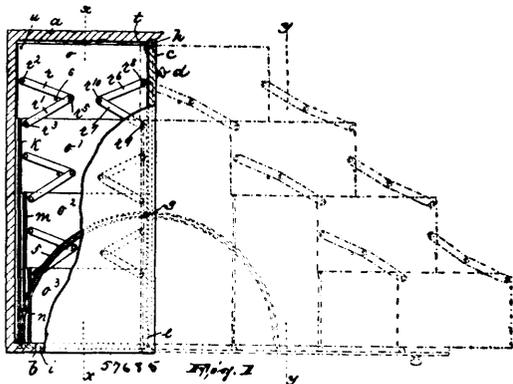


hinge or pivot to lugs of said emery bar, said clips capable of adjustment, and fastening to a binding bar or axle of a lawn mower by



means of set screws, as described. 2nd. A lawn mower knife grinder of the character described, consisting of an emery bar having lugs pivoted to the lugs of clips which are adjustable on and fastened to the binding bar or axle of a mower by means of set screws, springs on said pivots to engage with the outer rear edge of said emery bar to give certain tension to same, as described. 3rd. A lawn mower grinder, consisting of an emery bar in a casing having rear lugs to hinge or pivot to lugs on clips which are suitable for fastening to mower binding bars of a non-circular section, and secured thereto by means of its inner lips and bolt, as described. 4th. The combination with a lawn mower having a revolving axle, of clips in parts for attachment to and capable of adjustment for said axle, and an emery bar pivoted to and capable of being fastened to the outer ends of said clips, in position to operate on the revolving knives of the mower, as described.

No. 57,685. Display Cabinet. (Cabinet de montre.)

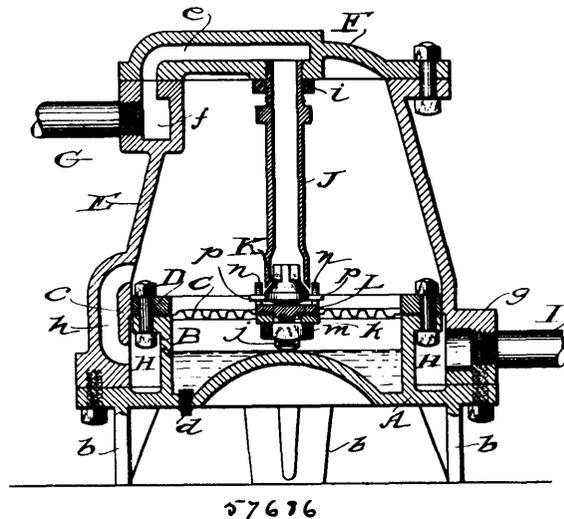


Alfred Gartner, Paterson, New Jersey, U.S.A., 5th October, 1897; 6 years. (Filed 29th September, 1897.)

Claim.—1st. The combination with a cabinet having its bottom provided with a central groove or recess, of a door or front hinged to the front portion of said bottom and provided with a groove or recess communicating and in alignment with the groove or recess in said bottom, a series of drawers in said cabinet, means for pivotally connecting said drawers, a leg downwardly projecting from the rear portion of each drawer and provided at its lower end with an enlargement adapted to slide in the grooves or recesses of the bottom and hinged front or door of the cabinet, substantially as and for the purposes described. 2nd. The combination with a cabinet having its bottom provided with a central groove or recess, of a door or front hinged to the front portion of said bottom and provided with a groove or recess communicating and in alignment with the groove or recess in said bottom, a series of drawers in said cabinet, means for pivotally connecting said drawers, a leg downwardly projecting from the rear portion of each drawer and provided at its lower end with an enlargement engaging the groove or recess in the bottom of the cabinet, and means for preventing the entire withdrawal of the drawers from the cabinet, substantially as described. 4th. The combination with a cabinet having its bottom provided with a central groove or recess, of a door or front hinged to the front portion of said bottom and provided with a groove or recess communicating and in alignment with the groove or recess in

said bottom, a series of drawers in said cabinet, means for pivotally connecting said drawers, a leg downwardly projecting from the rear portion of each drawer and provided at its lower end with an enlargement engaging the groove or recess in the bottom of the cabinet, a pin inwardly projecting from the front portion of each side of the cabinet, and a slotted arc shaped link engaging its respective pin and secured with its forward end to the hinged front or door, substantially as described.

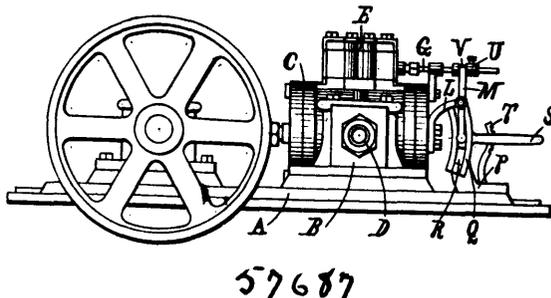
No. 57,686. Steam Trap. (Purge de tuyau de vapeur.)



Arthur J. Bayley, Milwaukee, Wisconsin, U.S.A., 5th October, 1897; 6 years. (Filed 27th September, 1897.)

Claim.—1st. A steam-trap, comprising a base provided with a fluid-reservoir, having an expansible diaphragm for its cover, a closed shell on the base provided at its lower end with a pipe-connecting hollow boss, and having such dimensions that an annular chamber is formed adjacent to the reservoir open to said boss, this chamber and that portion of the shell above the diaphragm being in communication, a drain-pipe hung within said shell, and a valve for this pipe mounted on the diaphragm. 2nd. A steam-trap, comprising a base having a dome-like indentation surrounded by a wall surmounted by an expansible diaphragm, a closed shell on the base of such dimensions that a chamber is formed between it and the reservoir surrounding the latter, there being an inlet to the chamber, communication of the latter with that portion of the shell above the diaphragm and an outlet from said shell, a pipe communicating with the outlet from within the aforesaid shell, and a pipe-valve mounted on said diaphragm. 3rd. A steam-trap, comprising a base provided with a fluid reservoir surmounted by an expansible diaphragm, a shell on the base provided with an inlet and an outlet, the dimensions of the shell being such that an annular chamber is formed between it and the reservoir open to said inlet, this chamber being in communication with that portion of said shell above the diaphragm, a shell-cover provided with a port leading to said outlet, a pipe depending from the cover in communication with the latter port, and a pipe valve mounted on said diaphragm. 4th. A steam-trap having a water-escape controlled by a valve provided with lateral lugs, a valve-holder comprising a disc having hook-arms engaged by the valve lugs, and suitable means for seating and unseating the valve. 5th. A steam-trap having a water-escape controlled by a valve provided with lateral lugs, a valve-holder comprising a disc having hook-arms engaged by the valve-lugs and a depending shank held in an expansible diaphragm, and a stop opposing said shank to limit contraction of the diaphragm.

No. 57,687. Oscillating Engine. (Machine oscillante.)



James McCartney, Bessemer, Alabama, U.S.A., 5th October, 1897; 6 years. (Filed 27th September, 1897.)