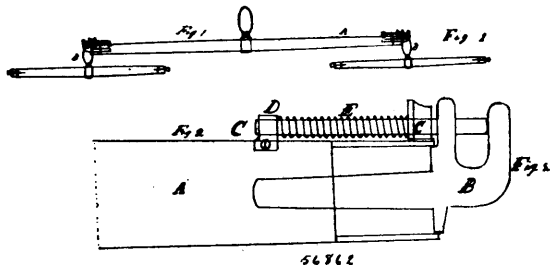


and to the said bar, the lever N being pivoted thereon in a frame at right angles to the aforesaid pivots, substantially as and for the purpose specified. 13th. In a cigar making machine, a holder and operating mechanism therefor, comprising the following elements, the needle D fast on the shaft D¹, the slotted socket D² suitably journaled, the set screw v, the star wheel E fast upon the shaft D¹, the shaft A having cams I thereon, the sliding bar T, pivoted lever L¹, tappet t thereon adapted to engage a slot in the bar T, auxiliary bar T¹ adapted to be engaged by the lever L¹, the arm b upon the said auxiliary bar, and a disc upon the shaft D¹, with which the said arm is adapted to engage, substantially as and for the purpose specified. 14th. In a cigar making machine, a point cutter, comprising the vertically movable knife C, and the shaft A, cams I, the lower end of the knife being suitably shaped to be reciprocated by the cams i, substantially as and for the purpose specified. 15th. In a cigar making machine, a knife for trimming the rear end of cigar, comprising the knife C¹ fast on an horizontally movable bar B¹, a projection s on the said bar, a lever O pivoted on the frame of the machine and having its free end resting against the back of the projection S, the auxiliary bar T¹, a finger H hinged with a knuckle joint upon the said bar and normally held erect by a spring, substantially as and for the purpose specified.

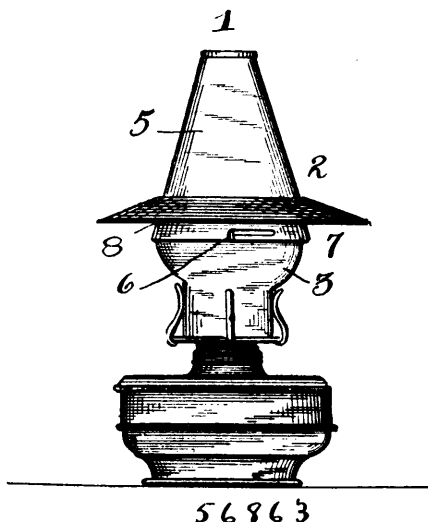
No. 56,862. Coupling Pole Yoke. (Timon d'attelage.)



John W. Soley, De Bert River, Nova Scotia, Canada, 3rd August, 1897; 6 years. (Filed 30th January, 1897.)

Claim.—The combination of the hook B, slide C C, button E, and keeper D, substantially as and for the purpose hereinbefore set forth.

No. 56,863. Lamp Chimney. (Verre de lampes.)



John Milton Gibbs, Statesville, North Carolina, U.S.A., 3rd August, 1897; 6 years. (Filed 8th February, 1897.)

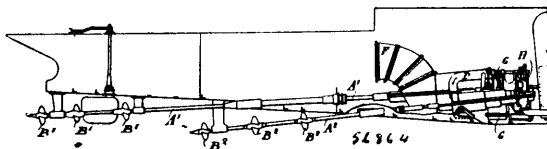
Claim.—A lamp chimney made up of a plurality of sections, the base being constructed of glass and having laterally extending pins thereon, and the upper section constructed of metal having slots therein, and grooves leading from said slits into which said pins are adapted to fit, substantially as and for the purpose described.

No. 56,864. Steam Turbine. (Turbine à vapeur.)

The Honourable Charles Algernon Parsons, Newcastle-on-Tyne, Northumberland, England, 3rd August, 1897; 6 years. (Filed 27th January, 1897.)

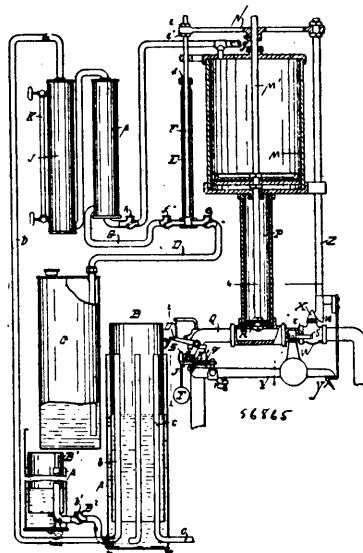
Claim.—In combination with the vessel, a plurality of steam turbines, a propeller connected to each turbine whereby the required

blade area is obtained and a steam supply, the said turbines being connected thereto, in series whereby the steam passes through the



turbines in series and the whole expansive force is utilized and distributed to the several propellers, substantially as described.

No. 56,865. Gas Apparatus. (Appareil à gaz.)



George F. Ransom, sr., Milwaukee, and Lucas D. Dorschell, Chilton, both in Wisconsin, U.S.A., 3rd August, 1897; 6 years. (Filed 8th February, 1897.)

Claim.—1st. A gas apparatus, comprising a tank of gasoline or analogous liquid, a pump for this liquid, and at least one generator in circuit with the tank, an air pump that discharges into the generator and co-operates with the pump aforesaid, a reciprocative gas holder in connection with said generator, a motor for the pump, suitable mechanism operated by the gas holder to start the holder, and other suitable mechanism operated by the air pump to stop said motor. 2nd. A gas apparatus, comprising a tank for gasoline or analogous liquid, a pump for this liquid, and a plurality of generators in circuit with the tank, an air pump that discharges into the generator system and co-operates with this pump aforesaid, a reciprocative gas holder in connection with said generator system, a motor for the pumps, suitable mechanism operated by the gas holder to start the motor, and other suitable mechanism operated by the air pump to stop said motor. 3rd. A gas apparatus, comprising a tank for gasoline or analogous liquid, a liquid pump, and at least one generator in circuit with the tank, an air pump that discharges into the generator and co-operates with the liquid pump, a reciprocative gas holder in connection with said generator, a conveyer for fluid under pressure exertive against the air pump piston, and suitable mechanism operated by said gas holder and air pump to effect intermittent flow and waste of said fluid. 4th. A gas apparatus, comprising a tank for gasoline or analogous liquid, a liquid pump and a plurality of generators in circuit with each other and the tank, an air pump that discharges into the generator system and co-operates with the pump aforesaid, a reciprocative gas holder in connection with said generator system, a conveyer for fluid under pressure exertive against the air pump piston, and suitable mechanism operated by said gas holder and air pump to effect intermittent flow and waste of said liquid. 5th. A gas apparatus, comprising a tank for gasoline or analogous liquid, a pump for this liquid in connection with the tank, an air pump having its piston rod connected to the plunger of the pump aforesaid, at least one generator connected to both pumps, a gas holder connected to the generator, a conveyer for fluid under pressure, a cylinder that depends from the air pump and is coupled to said conveyer, a piston in the cylinder on a continuation of the air pump piston rod, supply, waste and stop-cocks fitted in the aforesaid conveyer, and controlling mechanism for the stop-cocks co-operative with the gas holder and air pump. 6th. A gas apparatus, comprising a tank for gasoline or analogous liquid, a pump for this liquid in connec-