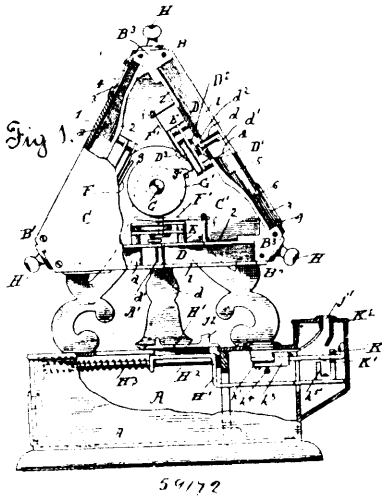


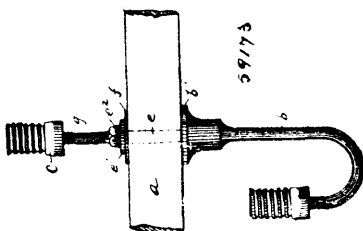
**No. 59,172. Game Apparatus. (Appareil de jeu.)**

Frank B. Crooks and Robert S. Crooks, both of San Francisco, California, U.S.A., 2nd March, 1898; 6 years. (Filed 17th December, 1897.)

*Claim.* 1st. In a game apparatus, the combination with a swinging casing or frame composed of two or more shuffling boxes connected together, the cutting ribs or partitions secured within the lower portion of the shuffling boxes so as to provide display compartments, a shuffling chamber in the upper portion of the boxes, a series of rotating shuffling fingers extending into said chamber, and of mechanism for imparting rotary movement to said fingers as the casing or frame is swung over or rotated. 2nd. In a game apparatus, the combination with the casing or frame, of the card-shuffling box, a chamber formed therein, within which the cards are shuffled and intermixed, the movable shuffling device extending into said chamber, and of mechanism for imparting motion to said shuffling device. 3rd. In a game apparatus, the combination with a swinging frame or casing, of the card-shuffling and display-box carried thereby, a chamber formed therein, within which cards are shuffled and intermixed, a series of agitating or shuffling devices extending into said chamber, of mechanism for imparting motion to said devices during the movement of the casing or frame, and of suitable lock-mechanism for controlling the swing or movement of the frame or casing. 4th. In a game apparatus, the combination, with the swinging frame or casing, of the disc-controlled lock-mechanism for regulating the movement of the frame or casing, a chamber formed therein, within which cards are shuffled and intermixed, a series of rotating shuffling fingers working within said chamber, the reciprocating rod for imparting rotary motion to the shuffling fingers, a fulcrumed rack-lever, gear connection between said lever and the reciprocating rod, a shaft upon which the frame or casing is mounted to swing, and a cam secured to said shaft with which the outer end of the fulcrumed rack-lever engages as the frame or casing is swung over. 5th. In a game apparatus, the combination with a swinging shuffling and display-box, of a chamber formed therein, within which cards to be displayed are shuffled and intermixed, the movable card-shuffling devices extending within said chamber, of mechanism for imparting motion to said devices during the swinging movement of the frame or casing, and of disc-controlled lock-mechanism for regulating the movement of the swinging frame or casing. 6th. In a game apparatus, the combination with the swinging card-shuffling box or casing, the lock-mechanism for controlling the movement of the shuffling-box or casing, and of the cutting ribs or fingers secured within the said shuffling-box or casing.

**No. 59,173. Insulator Support.**

(Support pour insolateurs.)

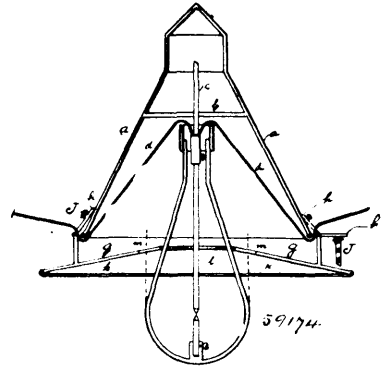


Charles P. Toward, Putnam, Connecticut, U.S.A., 2nd March, 1898; 6 years. (Filed 16th August, 1897.)

*Claim.* 1st. The curved insulator stem *b* interiorly screw-threaded at the base, and provided with the leaves *d*, in combination with the headed bolt *c*, all substantially as described, and for the purposes set forth. 2nd. The curved insulator stem *b* interiorly screw-threaded at the base, and provided with the leaves *d*, in combination with the headed bolt *c*, the squared part *c'*, and the upright insulator stem *b'*, all substantially as described, and for the purposes set forth.

**No. 59,174. Electric Arc Light Reflector.**

(Réflecteur de lumière électrique à arc.)

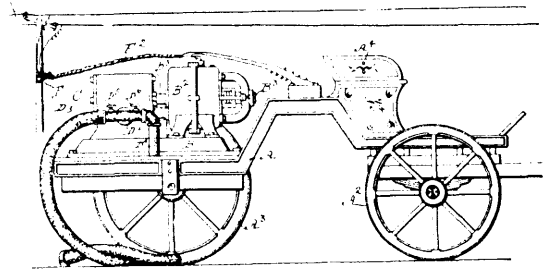


Charles Morris Boles, Dallas, Texas, U.S.A., 2nd March, 1898; 6 years. (Filed 20th September, 1897.)

*Claim.* 1st. In a reflector for an electric arc-light, the combination of the annular band *g*, and reflector *k* secured upon the lower edge of said band and extending inwardly therefrom, having an aperture for the passage of an arc-light conductor, and means for securing said band upon an arc-light cone, substantially as described. 2nd. In a reflector for an electric arc-light, the combination of the reflector *k* having an aperture for the passage of the arc-light conductor, and means for supporting the said reflector upon the arc-light cone, said reflector extending inwardly from the point of attachment to its supporting means, substantially as described.

**No. 59,175. Electric Fire Engine.**

(Pompe à incendie électrique.)



George W. Cox, Stuart, Iowa, U.S.A., 2nd March, 1898; 6 years. (Filed 7th September, 1897.)

*Claim.* 1st. In an electric fire-engine, a water tank and a rotary pump mounted on a carriage, an induction-pipe *C*<sup>3</sup> connected with the pump and provided with a T-joint *D*<sup>2</sup>, one branch of which is connected with the tank and the other branch provided with a branch *C*<sup>2</sup> leading to the tank and a valve in the branch for closing communication between the pump and tank and also provided with a branch *C*<sup>6</sup> and a valve in said branch, and a hose attached to said branch for distributing water, all arranged and combined to operate in the manner set forth, for the purposes stated. 2nd. In an electric fire-engine, an electric motor, a pump, a water supply tank, 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, arranged and combined to operate in the manner set forth, for the purposes stated. 3rd. The combination in an electric fire-engine, upon a suitable carriage, a pump, a water supply tank, a pipe leading from the pump to the tank and a valve for closing communication between the pump and tank and a branch extending from said pipe having a hose attached thereto for filling the tank and a valve for