

The Canadian Patent Office

RECORD





Vol. XXVII.—No. 8.

AUGUST 31st, 1899.

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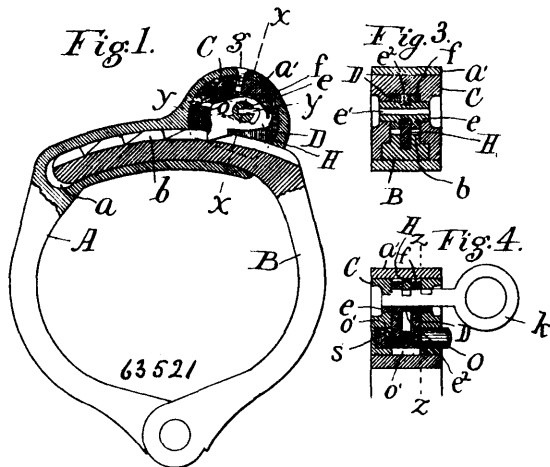
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INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 63,521. Handcuff. (Menottes.)



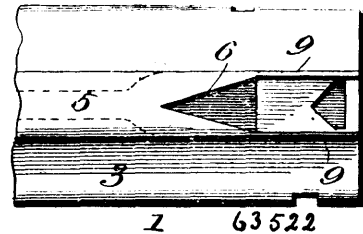
Lyman H. Cobb, South Portland, Maine, U.S.A., 1st August, 1899; 6 years. (Filed 22nd May, 1899.)

Claim.—1st. The herein described ratchet handcuff having a ratchet member and a socket member, the latter being provided with an opening, a recessed block bearing the locking mechanism and adapted to be freely inserted into and removed from said opening when the handcuff is open, and held against removal by the passage of the ratchet through the recess when the handcuff is closed. 2nd. The herein described handcuff having a ratchet member and a socket member, the latter being provided with a lateral opening, a recessed block bearing the locking mechanism and adapted to be freely inserted into and removed from said opening when the handcuff is open and held against removal therefrom by the passage of the ratchet through the recess when the handcuff is closed. 3rd. The herein described ratchet handcuff, having a ratchet member and a socket member, the latter being provided with a lateral opening extending through it from one side to the other, a recessed block bearing the locking mechanism and adapted to be freely inserted into and removed from said opening when the handcuff is open and held against removal therefrom by the ratchet through the recess when the handcuff is closed. 4th. The

herein described ratchet handcuff having a ratchet member and a socket member, a lock spindle extending through said socket member and having a key slot therein, a tumbler pawl journaled on said spindle and adapted to engage said ratchet and to be operated by the key and a spring for said tumbler pawl. 5th. The herein described ratchet handcuff having a ratchet member and a socket member, a lock spindle extending through said socket member and having a key slot therein, a tumbler pawl journaled on said spindle and adapted to engage said ratchet and to be operated by the key from either face of the handcuff. 6th. The herein described ratchet handcuff having a ratchet member and a socket member, a lateral opening through said socket member, a block fitting therein, an annually grooved lock spindle extending through said block and having a key slot therein, a pair of tumbler pawls journaled to said lock spindle and adapted to engage the ratchet, a catch for holding said tumbler pawls out of engagement with said ratchet and a bifurcated binding key inserted from the front between said tumbler pawls and straddling said lock spindle, the rear end of the bifurcation of said key fitting the annular groove of said lock spindle and the rear edge of said key being flush with the surface of said block, whereby the parts are held in place by said key.

No. 63,522. Railway Rail Joint.

(Joint pour rail de chemin de fer.)



Oscar Miller, Mountain Grove, Pennsylvania, U. S. A., 1st August, 1899; 6 years. (Filed 24th April, 1899.)

Claim.—1st. The combination with the interlocking ends of the rails, one of which is provided in the head and web with a cutaway portion terminating at the inner end in a V-shaped recess, and the other of which is formed with an extension terminating in a V-shaped end adapted to fit in said cutaway portion and V-shaped recess, combined with a fish plate having a base to receive the ends of the rails and an upwardly extending extension adapted to conform to and fit the sides of the rails, substantially as described. 2nd. In a rail joint, the combination of the interlocking ends of the rails, each of said rails having a web increased in thickness at the end of the rail, one of said rails having an extension formed integral with one end and the registering end of the engaging rail having a cutaway portion and recess to receive said extension, said extension having a substantially triangular shaped lug formed integral therewith and adapted to engage in a correspondingly shaped recess provided in the web of the engaging rail, and a fish plate having a base to receive said rails and an upwardly extending extension to fit one side of the rails, substantially as described.

No. 63,523. Car Door. (Porte de char.)

Isaac N. Graham, Deerfield, Virginia, U.S.A., 1st August, 1899; 6 years. (Filed 3rd July, 1899.)

Claim.—1st. In a car door, the combination with a sliding hanger having a hinged frame to which the car door is removably connected,