

formed with a conical seat and mounted to turn eccentrically, and arranged to form a space with said collar for the egress of water, and also to close said space, and the cap mounted to rotate on the aforesaid spherical end about an axis which is at an oblique angle to the median line of the discharge pipe and formed with a series of graduated openings arranged to register with the mouth of said pipe, all substantially as shown and described.

No. 56,938. Solution for Hardening Steel.

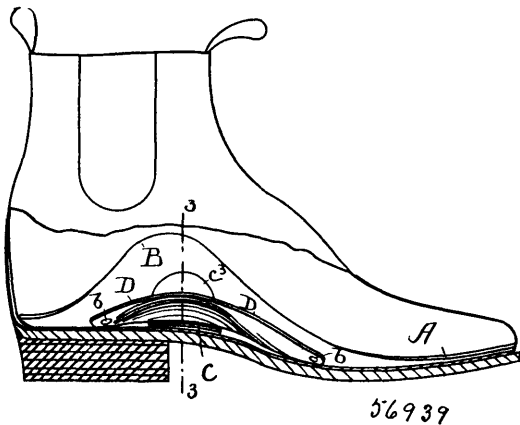
(Solution pour durcir l'acier.)

George M. Sorelle, Slocan, British Columbia, Canada, 7th August, 1897; 6 years. (Filed 28th May, 1897.)

Claim.—A solution for hardening steel, containing ammonium chloride, sulphate of copper, sodium chloride, and hydrous sodium baborate, substantially in the proportions specified, viz., thirty-two parts ammonium chloride, thirty-two parts copper sulphate, thirty-two parts sodium chloride, and four parts, hydrous sodium baborate.

No. 56,939. Instep-Arch Supports for Feet.

(Support pour coup-de-pieds.)

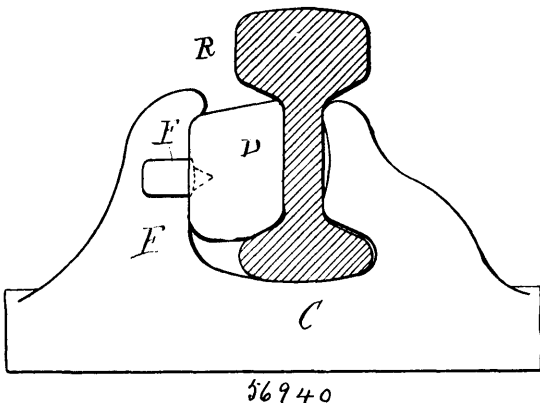


Thomas Holland, London, England, 7th August, 1897; 6 years. (Filed 13th July, 1897.)

Claim.—1st. A support for the instep-arch of the foot comprising the sole-shaped piece A, provided with the upwardly extended portion B, shaped to engage the waist of the foot, and the longitudinally arranged supporting plate D, secured to and engaging the under side of said moulded portion, substantially as described. 2nd. The herein described support for the instep-arch of the foot comprising in combination, the sole-shaped piece A, moulded at B, to engage the inside portion of the waist of the foot, the longitudinally arranged supporting-plate D, secured on a face of said moulded portion, and the transverse plate C, secured at one end to the piece A, with its free end resting on the plate D, substantially as and for the purpose specified.

No. 56,940. Fastenings for Railway Rails.

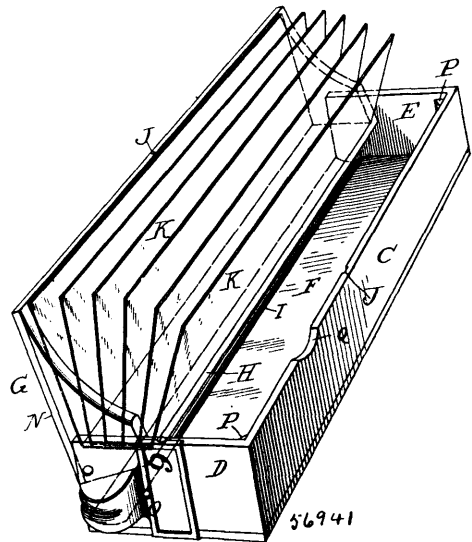
(Lien pour rails de chemins de fer.)



Frederick William Schroeder, London, England, 7th August, 1897; 6 years. (Filed 13th July, 1897.)

Claim.—In combination with the wooden wedge employed to secure a rail in a chair, a strip of iron or steel engaged by studs to the wedge, driven with the wedge and having its end parts bent back so as to embrace the jaw of the chair, substantially as and for the purpose set forth.

No. 56,941. Box. (Boite.)



Samuel T. Russell, Ilion, New York, U.S.A., 7th August, 1897; 6 years. (Filed 12th July, 1897.)

Claim.—1st. A box, comprising two integral parts designed to form a complete closure, one of said parts consisting of a side, top and ends, the other a bottom and side, and a pivot for said parts located at a point approximately midway of the ends of said bottom, whereby a leverage is secured to aid in opening the box. 2nd. A box, comprising two parts pivoted together and designed to form a complete closure, one of said parts consisting of a side, top and ends, and the other a bottom and side, stays at the ends of said bottom and side, substantially as and for the purpose described, and a pivot for said parts located at a point approximately midway of the ends of said bottom. 3rd. A box, comprising two parts pivoted together, substantially as shown, and designed to form a complete closure, one of said parts consisting of a side, top and ends, said side being formed with a recess or depression I, on its inner face near its lower edge, and said second part consisting of a bottom and side. 4th. A box, comprising two parts pivoted together and designed to form a complete closure, one of said parts consisting of a side, top and ends, and the other a bottom and side, said side being provided with a spring catch upon its upper edge designed to pass under and engage the under face of the top. 5th. A box, comprising two parts designed to form a complete closure, a series of leaves secured to the inner face of one of said parts and designed to be exposed when the parts are separated and the box opened, and to be entirely enclosed when the box is shut, and a pivot for said parts so arranged as to form a leverage to aid in opening the box, and to bring the leaves into their exposed position. 6th. A box, comprising two parts pivoted together and designed to form a complete closure, one of said parts being provided with a fixed inclined inner face, and a series of leaves mounted upon and carried by said face. 7th. A box, comprising two parts designed to form a complete closure, one of said parts consisting of a side, a top and ends, the second section comprising a side and bottom, a latch for holding said parts in their closed position, a stop to prevent said sections from closing too far, and a pivot for said parts located at a point approximately midway of the ends of said bottom. 8th. A box, comprising two parts pivoted together and designed to form a complete closure, one part comprising side F, top C, ends D and E, and stops P, the other side consisting of bottom H, side G, and end stays N, a series of leaves mounted on the upper face of bottom H, and a catch for holding the parts closed. 9th. In a box, the combination of the two pivoted sections substantially as described, a series of superposed strips L, secured to the upper inclined face of the bottom of the box, and a series of leaves secured to the edges of the strips by textile material, substantially as and for the purpose set forth.

No. 56,942. Water Closet Flushing Apparatus.

(Appareil à lavage des latrines.)

Christopher O. Ellison, Liverpool, Lancaster, England, 7th August, 1897; 6 years. (Filed 12th July, 1897.)

Claim.—1st. The herein described improvements connected with water closet, consisting of apparatus comprising a pan, a lid or cover, a flushing water container, a valvular device connected with and operated by the seat, and adapted to fill said container when the lid is opened, and empty it when closed, and flush the closet, and leave