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## RECORD





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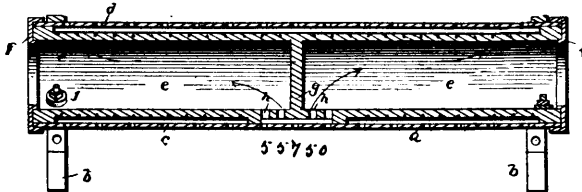
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### INVENTIONS PATENTED.

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. 55,750. Electric Heater. (*Chaufeur électrique.*)

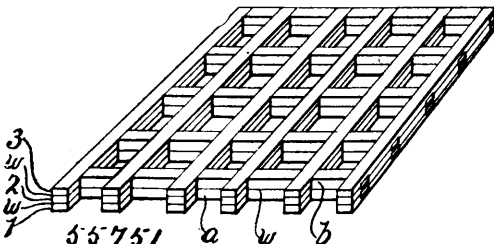


The Globe Electric Heating Co, assignee of George B. Fraley, both of Philadelphia, Pennsylvania, U.S.A., 1st May, 1897; 6 years. (Filed 9th October, 1896.)

*Claim.*—1st. An electrical heater consisting of a perforated metallic casing open at both ends, a fireproof inner cylinder a wall at or near the centre of said cylinder forming two chambers therein, openings in said chambers registering with the perforations in the casing and strands of wire coiled around said fireproof cylinder through which the current flows substantially as described. 2nd. An electrical heater composed of the metallic perforated casing, a fireproof cylinder therein, a dividing wall in said cylinder connecting with the perforated casing, a wall or inclosure surrounding said openings and flush with the lower wall of the casing, flanges at each end of the cylinder closing the ends of the casing and forming a chamber between the inner cylinder and the casing, substantially as described.

#### No. 55,751. Secondary-battery Support.

(*Support pour piles secondaires.*)



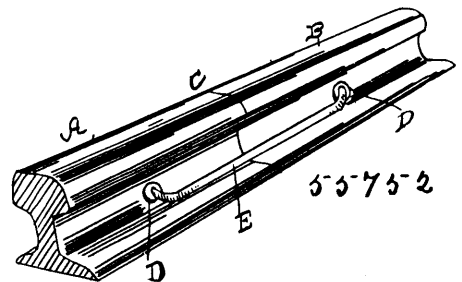
John Joseph Rooney, Brooklyn, New York, U.S.A., 1st May, 1897 6 years. (Filed 14th December, 1896.)

*Claim.*—1st. A grid for a secondary battery plate made up of layers of strips of wool-felt laid together in sets of rows which cross

each other so as to form pockets or holes between the rows, substantially as described. 2nd. A grid for a secondary battery plate made up of layers of strips of wool-felt, the strips forming the different layers being fastened together by sealing-wax, the strips being laid in sets of rows which cross each other, so as to form pockets or holes between the rows of strips, substantially as described. 3rd. A grid for a secondary battery plate made up of layers of strips of insulating and porous material, the strips being disposed in rows which cross each other, forming rows of holes or pockets between the rows of strips and conductors laid between the strips, one along each row of holes or pockets and midway between the faces of the grid, substantially as described.

#### No. 55,752. Electric Rail-bond.

(*Fil électrique pour joints de rails.*)



George Haskell Scott, Worcester, Mass, U.S.A., 1st May, 1897; 6 years. (Filed 7th December, 1896.)

*Claim.*—1st. An improved electric rail-bond, comprising in combination a connecting rod or wire, and two collars, one for each end of said rod, or wire adapted to fit over the ends thereof, and in the openings of the rails, and made cylindrical in shape, also provided with an external, annular rib or flange at its inner end, and an internal annular bevel at its outer end flaring outward from its longitudinal opening, and also preferably having the exterior of its outer end beveled in the opposite direction to said internal bevel, substantially as and for the purpose set forth. 2nd. The combination of the rail and the connecting rod or wire, with the collar D adapted to fit in the usual transverse opening in said rail and over the end of said connecting rod or wire, and having the internal annular bevel *b* flaring from its longitudinal opening, whereby, when said beveled end of the collar is hammered against a metal block, placed over the connecting rod or wire against the inner end of said collar, the central portion thereof will be first forced or squashed out to hold the rod or wire in place, and then, by continued blows, headed, and the end of the rod or wire also headed to securely hold the parts and form a perfect electric bond connection, substantially as set forth.

#### No. 55,753. Ore Feed for Stamp Mill.

(*Alimentateur de minerai pour moulins à broyer.*)

Alexander Woodroffe Goyder, Hillgrove, New South Wales, Australia, 1st May, 1897; 6 years. (Filed 11th January, 1897.)

*Claim.*—1st. The combination of an inclined ore shoot pivoted upon its frame having a lip as D at its delivery end, with a feed hopper as S provided with a comb as U substantially as set forth. 2nd. The combination with the parts claimed in the first claim, of a yoke as E having a hollow shank and (in order) an elastic block, a non-elastic block, and the foot of a jogger fitted therein substantially as