nearly inclose a narrow space e, and said plates being formed at the opposite edge with the bead J and flange E, adapted respectively to overlap the bead C and enter the space of the adjoining plate, substantially as shown and described. 2nd. A sheet metal roofing plate, having one of its edges formed with a nailing flange B, a bead C and a lip D overhanging toward said bead and nearly inclosing a space e below the lip, and having its opposite edge formed with a bead J and lock-flange E, substantially as shown and described. 3rd. A sheet metal roofing plate formed with a central bead G, having an enlargemental raised surfaces K, K at each side of the bead G, and arranged with their curved edges k, k facing the bead, substantially as shown and described. 4th. A sheet metal roofing plate formed with a nailing flange B, bead C, lip D, space e and incline F along one edge and a bead J, flange E and incline J along the opposite edge, and formed also with a bead G having an enlargement H, and with segmental raised surfaces K, K, arranged with their rounded edges kek, facing each other, substantially as shown and described. 5th. A sheet metal roofing plate formed with a, nailing flange B, bead C, lip D, space e and incline F along the edges and space and incline I along the copposite edge, and a bead J, locking flange E and incline I along the copposite edge, and shead J, locking flange E and an enlargement H, segmental raised surface K, K arranged with their curved edges k, k facing the bead G, a raised surface L along the top of the plate, and a depression M at the lower edge of the plate, substantially as shown and described.

No. 20,848. Electric Lamp. (Lampe Electrique.)

No. 20,848. Electric Lamp. (Lampe Electrique.)

Addison G. Waterhouse and Barton B, Ward, Kingston, Ont., 8th January, 1885; 5 years.

Claim.—1st. In an electric are lamp, an electro-magnet composed of an iron core provided with a coiled conductor M, placed at or near its centre for carrying the main current in a given direction, also coiled conductors S, S at each end of the core for carrying a shant current in the same direction as that in coil M, and poles or pole places P, Pr at points on the core located between the main current conductors and the shant current conductors, and armature or armatures connected to the movable carbon and arranged to be actuated by the varying magnetism of the magnet substantially as and for the Claim.-1st. In an electric are lamp, an electro-magnet composed conted conductors S. S. at each and of the concentration and the same direction as that in roal M. and poles or pole places P. Pt at points on the core located between the unin current conductors and the shant current conductors, and armaturer or armatures connected to the movable carbon and arranged to be actuated by the varying magnetism of the magnet substantially as and for the purposes as above set forth. 2nd. In an electric lamp, an electromagnet composed of a coil carrying a carrent from the main circuit, and a coil or coils carrying a carrent from the shant circuit, both currents passing around the magnet in the same direction, the main current coil being located at or near the ends of the magnet core, to poles or pole places at each end of the main circuit coil, and the about to oll or coils located at or near the ends of the magnet and beyond the action of the shant current will tause the poles or pole places to attract an armature or armatures, and the action of the shant current will be to move the magnetism of the main beyond the reach of the said armature or armatures of the main beyond the reach of the said armature or armatures of the main beyond the reach of the said armature or armatures of the main development of the shant current in a certain direction, and the coils S. No located so as to leave pole places between the three coils, and at each end of the core C, the coils S. No carry a shunt current in M will polarize the adjacent parts of the magnet beyond the shunt coils, substantially as and for the purposes set forth. Mt. In an electric lamp, an electro-magnet consisting of a studied to polarize the parts of the magnet beyond the shunt coils, and at a coil of the main current placed around said core between the sunt coils side of the shant current placed around said core between the name of the purposes set forth. Th. In an electric lamp, an electro-magnet composed of a core C browled with a coil M provided with a coil of the main current placed around said core between the ends of the c

No. 20,849. Sash-Holder, (Arrête-Croisie,)

Thomas A. Bereman, Mount Pleasant, Iowa, U.S., 8th January, 1885; 5 years.

185); 5 years.

Claim—1st. In a window, the combination, with the side strip or stop, bead A secured at its top and bottom only, of a cum or eccentric disk pivoted to the jam and adapted to act upon the said strip, substantially as hereinbefore shown and described. 2nd. In a window, the combination, with a side strip or stop, head A secured at its top and bottom to the jamb of the eccentric disk D, pivoted to the jamb, and provided with the flange F and the lever E, substantially as herein shown and described.

lo. 20,850. Hame Fastener, (Attache-Attelle.)

William W. S'y, Cleveland, Ohio, U.S., 8th January, 1885; 5 years.

Claim.—The combination of the latch D, pivotally attached to case A, and the lever A having hook b, substantially as and for the purpose specified.

No. 20,851. Car-Coupling. (Accouplage de Wagons.)

Isaac J. Merrick, Conotton, Ohio, U.S., 8th January, 1885; 5 years,

Isaac J. Merrick, Conotton, Ohio, U.S., 8th January, 1885; 5 years, Claim.—1st. The combination, in a car-coupling, of a draw-head having S hooked shoulder and a horizontal slot or recess behind the shoulder, a block or lever pivoten horizontally in the said slot, a chain attached to the outer end of the said lever or block, and means for drawing the said chain to one side, tilting the inner end of the lever into the space behind the shoulder of the draw-head and drawing the draw-head to the side, as and for the purpose shown and set forth. 2nd. The combination, in a car-coupling, of a platform near the opposite sides of the latter, the tubular sheaths or sleeves surrounding the supporting-rods at and the top horizontal plate At, the supporting-rods at having their forward ends swivelled to the platform near the opposite sides of the latter, the tubular sheaths or sleeves surrounding the supporting-rods at and the coil-springs, sub-tantially as and for the purposes set forth. 3rd. In a car-coupling, the combination, substantially as hereinbefore set forth, of the boxing D having offsets, the plate secured within the boxing D between the said offsets, the plate de placed over and sliding across the face or front of the boxing D, the casing C having upper and lower openings of, the carrier sliding within the casing and having guides or lugs projected through the openings of thereof, interposed springs of, the coupling har and means for operating the same, as specified. 4th. In a car-coupling, the combination of the easing C, the carrier ac placed and operating within the said casing, rods of, e.g. swivelled to the opposite sides of the carrier, and extended laterally through the casing C, interposed springs of, the coupling-bar B passed through the carrier and having its rear end secured to the car by a pivotal connection, and means for operating the coupling-bar B passed through the carrier, and extended laterally through the carrier, and extended laterally through the carrier and having its rear end secured to for the purposes set forth-

No. 20,852. Lantern Holder. (Accroche-Linterne.)

Charles J. Higgins, Hallowell, Me., U.S., 8th January, 1885; 5 years.

Charles J. Higgins, Hallowell, Me., U.S., 8th January, 1885; 5 years. Claim.—1st. The combination, with a reflector A, of the guard B secured with its ends to the reflector, and provided with springs whereby the guard is made yielding, substantially as set forth. 2nd. The combination, with a reflector A of a guard B secured to the reflector and adapted to surround the lantern, substantially as set forth. 3rd. The combination, with a reflector A, of a guard B provided with tube-clasping portions, and a hook C and stop D adapted to clasp the lower part of the lantern, substantially as set forth.

No. 20,853. Paper Bag. (Sac en Papier.)

Walter E. Laughton, Toronto, Ont., 8th January, 1885; 5 years,

Claim.—As an article of manufacture, a bag of paper or other suitable material made by the aid of a hinged former, as shown, and glued (or parted) folded and furnished in the manner shown, and for the purpose specified.

No. 20,854. Sewing Machine Folder.

(Plieuse de Machine à Coudre.)

John E. Lyon, Salem, Mass., U.S., 8th January. 1885; 5 years.

Claim.—1st. In a folder for sewing machines, the folder proper B, constructed and arranged to operate substantially as described. 2nd. In a folder for sewing machines, the presser foot A provided with the arm C, in combination with the folder proper B, constructed and arranged to operate substantially as set forth.

No. 20,855, Car-Coupling.

Accouplage de Wajons.)

William R. Power, Windsor, Ont., Jane R. Campbell, Jane Wilson, and Matilda Wilson, Detroit Mich., U. S., 9in January, 1855; 5 years.

Claim.—1st. In a car-coupling, the weighted pivo'ed hook C formed on one side, with the true are of a circle, and with a projection f to engage with and be held by a piwl B projecting through the top of a draw-head, substantially as and for the purpose specified. 2nd. In a car-coupling, the front walls of the recess b formed, with the corresponding circle of the front part of the hook C, as a bearing for the latter to release the strain from the pivot pin d, substantially as specified. 3rd. In a car-coupling, the pawl B formed with an incline or a part of the lower side to correspond with the draw-head, and made to pass down through a slot D in the draw-head to engage with the projection f of the hook to lock the same, when the link is coupled substantially as de cribed. 4th. In combination with the pawl B of a car-coupling, of the cap or cover E, substantially as and for the purpose specified. 5th. The combination of the hook C and pin g, substantially as and for the purpose described. 6th. The combination of the pawl B, hook C and draw-head A, substantially as and for the purpose specified. 7th. In a car-coupling, the slots i for Claim.-1st. In a car-coupling, the weighte | pivo e I hook C formed