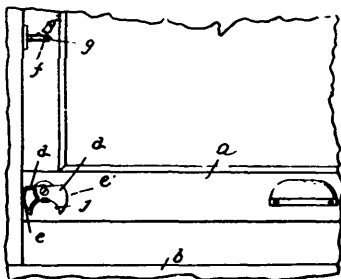


to and turning with each section of the axle, a hopper mounted on the main frame, a centrally-divided conveyor-duct connected with the hopper and extending beyond the wheels, feed-screws in the duct, and gearing driving each section of the screw from its corresponding section of the axle. 5th. The combination, substantially as hereinbefore set forth, of a main frame, the driving axle, supporting wheels thereon, a hopper above the wheels, a conveyor duct extending over and beyond the wheels, a feed-screw in the duct, and seed-dropping devices below the duct, the duct, screws and dropping devices all being interposed between the hopper and the driving wheels and above the latter, for the purpose described. 6th. The combination substantially as hereinbefore set forth, of the hopper, a conveyor trough or tube opening into the hopper, a series of adjustable seed-dropping devices arranged at the delivery ports in the conveyor tube, and a screw conveyor operated simultaneously with the seed-dropping devices. 7th. The combination, substantially as hereinbefore set forth, of the main frame, the wheels and axle, the hopper, a seed-duct extending from the hopper beyond the wheels, a feed-screw revolving in the duct, a series of recessed rollers at the delivery openings in the duct, a shaft on which they are mounted, a cog on said shaft gearing with a pinion on the shaft of the feed-screw, and sprocket gearing connecting the shaft of the feed-screw with the axle of the sully. 8th. The combination, substantially as hereinbefore set forth, with a hopper divided into compartments, of a tube or trough connected with said compartments and receiving seed from them, and a seed-feeding screw arranged within the conveyor tube or trough to mix or intermingle different kinds of seed from the several compartments before their delivery through the discharge-ports of the tube. 9th. The combination, substantially as hereinbefore set forth, of a hopper divided into a series of compartments, conveyor-tubes or ducts on opposite sides of the hopper and connected with the compartments thereof, screw-conveyors within the tubes, gearing connecting them with the axle of the carrying-wheels, and devices for regulating the amount of seed fed from the compartments to the tubes. 10th. The combination, substantially as hereinbefore set forth, of a hopper divided into a series of compartments, conveyors connected with the hopper, gates or slides for regulating the opening between the larger compartment of the hopper and the conveyor, and an adjustable roller between each smaller compartment of the hopper and the conveyor. 11th. The combination, substantially as hereinbefore set forth, of a hopper divided into a series of compartments, a conveyor trough or tube connected with said compartments, means for regulating the amount of seed fed from the compartments to the trough or tube, adjustable seed-dropping devices arranged at the delivery ports of the conveyor tube, and devices for feeding the seed from the hopper through the tube and mixing or intermingling different kinds of seed from the several compartments. 12th. The combination, substantially as hereinbefore set forth, of a hopper divided into a central and end compartments, seed conveyors connected therewith, feed slides regulating the feed from the central compartment to the conveyor, a roller-feed regulating the discharge from one of the smaller compartments to the same conveyor, a roller-feed connecting shaft passing through the lower portion of the hopper, and driving gearing below the central portion of the hopper and connected with the axle of the sully. 13th. The combination, substantially as hereinbefore set forth, with the conveyor tubes, of a series of spouts or delivery tubes, between the wheels of the carriage and outside of them, the tubes or spouts being at their upper ends arranged closer together than the tubes outside the wheels, and some of them being bent or inclined, as described, for the purpose specified. 14th. The combination of the recessed or fluted roller, and the adjustable washer having lateral projections extending into the recesses of the roller. 15th. The combination of the fluted or recessed roller, the washer having lateral projections extending into the recesses of the roller, the casing at one end of the roller, and the yielding disc or plate in the casing, against which the ends of the projection abut.

No. 48,374. Window Sash Fastener. (Arrêtée-croisée)

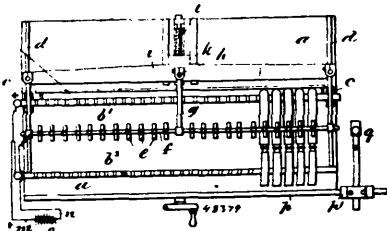


Patrick K. O'Leary, Boston, Massachusetts, U.S.A., 8th March, 1895; 6 years.

Claim.—A sash fastening device adapted to be pivotally con-

nected to the sash and weighted at one side of its point of connection, the weighted side having an eccentric face adapted to prevent upward movement of the sash, while the lighter side has an eccentric face adapted to prevent downward movement of the sash, a socket projecting from the casing, and a rod in said socket, and having a lateral arm arranged to stand in the path of the fastener, substantially as described.

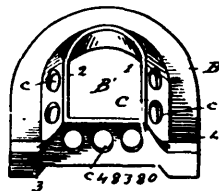
No. 48,375. Method of and Means for Marking and Ornamenting Table Ware. (Méthode et moyen de marquer et orner les objets de table)



William Henry Legate, Hartford, Connecticut, U.S.A., 8th March, 1895; 6 years.

Claim.—1st. The improved method of marking metallic articles which consists in treating the surface to be marked with a protecting varnish, then printing upon the varnished surface with a stamp treated with a solution of wood putash, then washing the stamped surface with water, then treating the stamped surface with a solution of sal-ammoniac, then connecting up the article to the positive pole of a battery, and placing a metallic conductor which is connected to the negative pole of the battery in close proximity to the varnished surface where the mark is imprinted and subjecting it to the action of an electric current, all substantially as described. 2nd. The improved method of marking cutlery which consists in treating the surface of the article with a resinous varnish, then imprinting a mark on the varnished surface by means of a stamp treated with an alkaline solution, then washing the surface with water, and then applying a solution of sal-ammoniac to the marked surface, then placing the article in an electric circuit, the negative wire terminating in a block of copper placed adjacent to but out of contact with the surface to be marked, the said article being connected to the positive pole of the battery, and then washing off the varnish with an alkaline solution, all substantially as described. 3rd. The improved method of marking and ornamenting cutlery and other articles of metal which consists in applying a resist to the surface, imprinting the outline of the mark by removal of the resist, treating the surface with a solution of sal-ammoniac and then placing a metallic block connected to the negative pole of a battery close to but out of contact with the surface, and connecting the article to the positive pole of the battery while the latter is in action, all substantially as described. 4th. An improved apparatus for marking cutlery which comprises a table or stand, metallic supports for the article, a metallic conductor, as a copper block, supported on a movable carriage, and adapted to be held near the surface of the article and an adjustable stamp for imprinting the surface, all substantially as described.

No. 48,380. Heel Plate for Rubber Boots and Shoes. (Plaque pour talons de chaussure de caoutchouc.)



Ferdinand Ephraim, San Francisco, California, U.S.A., 8th March, 1895; 6 years.

Claim.—1st. As a new article of manufacture, a metallic heel plate for the heels of rubber boots or shoes, which consists of a plate provided with an inner inclined projecting flange. 2nd. The combination with a rubber heel, of a protecting plate secured thereto, said plate being provided with an inner inclined perforated projecting flange by means of which the plate is secured to the heel by the rubber itself.