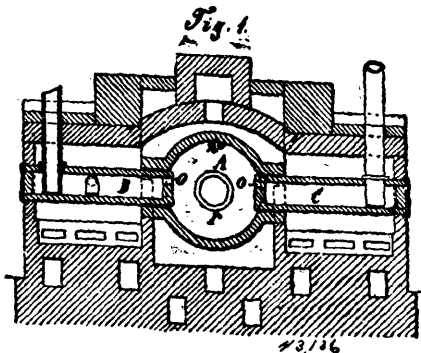


a given position, substantially as set forth. 13th. The combination with an implement of the character described, of an evenner plate, a movable pole plate, said plates provided with laterally extended arms jointly connected at their outer ends, said arms provided with perforated lugs, and bolts to engage adjacent lugs to lock the pole plate in a given position, substantially as set forth. 14th. The combination with an implement of the character described, of a movable pole plate arranged to be swung over to one side the longitudinal centre of the implement, and means to lock said pole plate in a given position, substantially as set forth. 15th. The combination with an implement of the character described, of an evenner attaching device and a pole attaching device constructed to be moved over to one side of the evenner attaching device and to be engaged in a longitudinal line therewith, substantially as described.

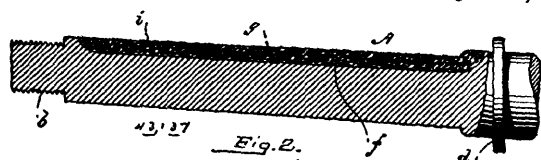
No. 43,136. Process of Obtaining Metals and Metalloids. (*Procédé pour l'isolation des métaux et métalloïdes.*)



Hermann Niewerth, Berlin, Germany, 6th June, 1893; 6 years.

Claim.—1st. A process for the isolation of metals and metalloids, distinguished by the fact that the raw material of the metal or metalloid and the reducing agent which is designed to unite with or to separate the substance, which in the raw material is firmly combined with the metal or metalloid, are brought into contact under the influence of warmth, and of the obscure or luminous discharges of frictional electricity, or the substitutes for it, which have been described, and allowed to act upon each other under this combined influence. 2nd. For the isolation of metals or metalloids by the process described, the process of rendering the atmospheric air which is drawn in when a lowering of pressure occurs in the reducing chamber innocuous so far as the process described is concerned, by converting it into a gas which has no effect upon the process.

No. 43,137. Lubricator for Axles. (*Boîte à graisse.*)



Charles Wilder Brewer, Cambridge, Massachusetts, U.S.A., 6th June, 1893; 6 years.

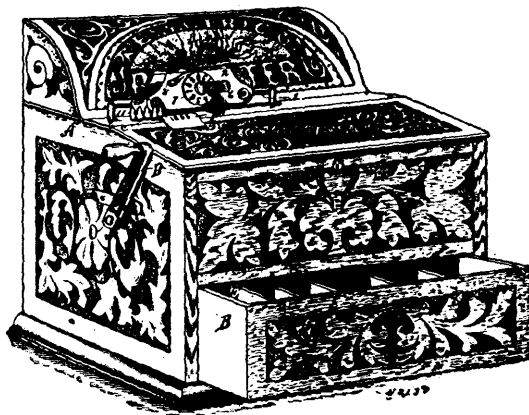
Claim.—1st. An axle provided with a main groove in its journal adapted to receive an absorbent pad, and a supplemental groove, or oil duct opening into said main groove, substantially as and for the purpose set forth. 2nd. In a device of the character described, an axle provided with a longitudinal groove in its journal, and an oil duct opening therein, said duct being of less depth than said groove, and arranged longitudinally in one wall thereof, in combination with an absorbent pad disposed in said groove, substantially as described. 3rd. In a device of the character described, the axle A, provided with the groove f, and duct i, formed in one wall thereof, substantially as and for the purpose set forth. 4th. In a device of the character described, an axle having a longitudinally arranged groove in its journal, and an oil duct formed in one wall thereof, said duct and groove opening through the hub flange, substantially as and for the purpose set forth.

No. 43,138. Recorder for Cash. (*Registre à monnaie.*)

Charles H. Coles, Owosso, Michigan, U.S.A., 6th June, 1893; 6 years.

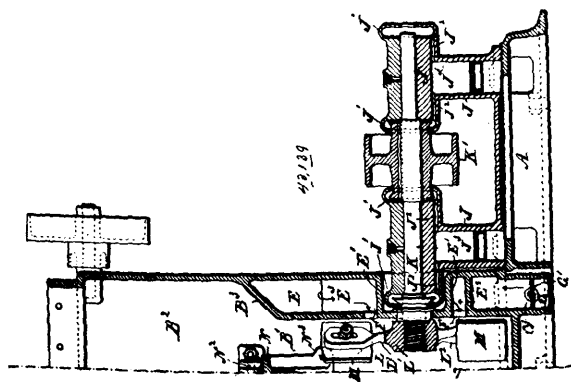
Claim.—1st. In a cash recorder, a money drawer, a locking bolt, a rotatable disc provided with a cam slot, means for rotating said disc, an electric alarm circuit and bell within the case of said recorder, adapted to be operated by the opening and closing of said drawer, substantially as described. 2nd. In a cash recorder, a pair of paper feeding rolls adapted to feed forward the paper passing

over them at different rates of speed, and to expel the paper passing over one of said rolls from the case, substantially as and for the purpose described.



pose described. 3rd. In a cash recorder, two independent record rolls adapted to feed forward independent strips of paper at different rates of speed, one of said rolls being adapted to direct one of said strips of paper forward within the machine, and the other of said rolls being adapted to feed forward the other of said strips of paper through the case and to the outside of said machine, and means, substantially as described, for feeding forward the two rolls. 4th. In combination with a cash recorder, duplicate printing wheels mounted in a travelling frame, adapted to carry said wheels simultaneously into printing contact with separate recording sheets, and means for revolving said wheels concurrently, substantially as described. 5th. In combination with a cash recorder, duplicate printing wheels, a travelling frame carrying said wheels, means for revolving said printing wheels, and a guide adapted to cause the imprint to be made in vertical lines along the strip of paper, substantially as and for the purpose described.

No. 43,139. Pulverizer for Grain and Dry Substances. (*Moulin à broyer.*)



The Central Cyclone Company, assignee of Sydney Straker, all of London, England, 6th June, 1893; 6 years.

Claim.—1st. In a pulverizing and disintegrating machine, the combination with the beater, of an uptake, the upper portion of which is of greater dimension or cross sectional area than the lower portion thereof, the walls of the said two portions being vertical, and joined on two sides by means of intermediate sloped surfaces, substantially as described. 2nd. In a pulverizing and disintegrating machine, the combination with the beaters and the casing, of a baffle plate against which the particles projected from the beaters impact after impacting against each other, substantially as described. 3rd. In a pulverizing and disintegrating machine, the combination with the casing and the beaters, of beater blades secured to the beater arms so as to be rotatable thereon to present in succession the several edges of one face to the worm, substantially as described. 4th. In a pulverizing and disintegrating machine, the combination with the casing and the beaters, of beater blades secured to the beater arms so as to be rotatable and reversible thereon to present in succession the several edges of both faces to be worn, substantially as described. 5th. In a pulverizing and disintegrating machine, the combination with the casing and the beaters, of beater blades, provided with lugs which enter recesses formed in the beater arms, and are secured to the said arms by bolts, the said lugs being smaller than the said recesses so that the blades may be adjustable