Claim.—1st. The method of fastening metal bands upon cups or cylinders of porcelain, glass, etc., by forming the inner surfaces of the bands in a soroll form, and the exterior of the vessel to correspond therewith in reverse, whereby they may be fastened together by rotating one upon the other, as hereinbefore set forth. 2nd. A vessel formed of a plastic substance as clay, porcelain, glass, etc., with a metal band having an interior surface in the form of a scroll, to fit upon a corresponding surface upon the vessel as hereinbefore set footh.

No. 18,908. Car - Coupling.

(Accouplage de Wagons.)

John Goettel, St. Paul, Minn., U. S., 19th March, 1884; 5 years.

Jonn Goettel, St. Paul, Minn., U. S., 19th March, 1884; 5 years.

Claim. 1st. A pivoted hook jaw A connected to lateral bearings S1 and S1, of the head N, of the draw-bar F, a lock catch h1 and the pivoted arm W of the hook jaw carrying said lock catch, substantially as specified. 2nd. In an automatic car-coupling, a lateral hook jaw A pivoted to bearing in the head of the draw-bar E, carrying a pivoted arm W, provided with an automatic lock catch h1, substantially as specified. 3rd. The draw-head formed with laterally arranged bearings S1 S1 for the pivoted hook jaw A, and laterally opposite the same, a forwardly curved flange guide f, substantially as set forth and described.

No. 18,909. Combined Bedstead and Dres-ing Table. (Bois de Lit et Tuble à Toilette Combinés.)

John W. Jones, Toronto, Ont., 19th March, 1884; 5 years.

John W. Jones, Toronto, Ont., 19th March, 1884; 5 years.

Claim.—1st. As an improved article of furniture, a toilet table B, or its equivalent, having chambers F and J formed within it, in combination with the bedstead A, hinged as described, so that it can be folded within the toilet table B, below the chambers F and J, substantially as and for the purpose specified. 2nd. In an improved article of furniture, the hinged bedstead A, arranged to fold within a toilet-table B, or its equivalent, having drawers and chambers arranged, substantially as and for the purpose specified.

No. 18,910. Rotating Bars adapted to Dump Cars. (Barres Rotatoires pour Chars à Bascule.

William H. D. Newth, Detroit, Mich., U. S., 19th March, 1883; 5

Claim.—The bars or slats A adapted to be rotated upon journals b, and provided with counterpoise lugs c having a wrist pin d, in combination with the connecting bar B and a crank or lever C, by means of which the series of bars are simultaneously actuated, substantially as and for the purposes specified.

No. 18,911. Machine for Lubricating Steam Engines. (Machine pour Graisser les Machines à Vapeur.)

J. Vincent Renchard, Windsor, Ont., 19th March, 1884; 5 years.

chines à Vapeur.)

J. Vincent Renchard, Windsor, Ont., 19th March, 1884; 5 years.

Claim.—1st. In Inbricators, the method of injecting lubricants, consisting in a movable and contractible oil-pocket, which becomes filled with lubricant when communicating with the inlet orifice, and by its transit closes said orifice and conveys the pocketed lubricant to discharge orifice, into which it is expelled by the closing or contraction of the pocket, substantially as and for the purpose specified. 2nd. In lubricators and for the purpose of preventing steam or vapors from the engine from entering and mingling with the lubricant in the oil-chamber, the contractible oil-pocket which closes when discharging its pocketed lubricant, substantially as specified. 3rd. In a lubricator and as a means for forming an oil-pocket. two segmental piston rings enclosed in a grooved channel and leaving between their ends a contractible oil-pocket, substantially as described. 4th. In a lubricator and as a means for controlling the oil-pocket formed between two segmental piston-rings, the cams of and of engaging with said piston rings and imparting to them by proper devices, a reciprocating motion, substantially as described. 5th. In a lubricator and as a means for expelling the lubricant from the oil-pocket, the piston-rings ji and j2, cams of and of in combination with the tension device, substantially as and for the purpose described. 6th. In a lubricator and as a means for regulating the size of the oil-pocket, the piston rings ji and j2, cams of and on-necting rod /no connecting with the valve rod b1, substantially as described. 7th. In lubricators and to enable the reciprocating or oscillating oil-pocket, mechanism to be freely moved in its transit space and yet exclude any vapor or steam from the engine from entering the oil in the oil chamber through any leakage around said mechanism, the pipe E whereby the steam and hydrostatic pressure causes the oil to seek en oullet through the discharge passage h3, and thus preventing substance

ton rings ji and j2 or their equivalents, so as to cut off direct on munication between the same, substantially as described. 12th. In a lubricator, the parts for auto-mechanically operating the feeding device, the same consisting of the oscillating arbor F, fluted sierred, cams g1 and g2, grooved ring J provided with stop-pin M and his ks. N, the tension device split-ring H and inlet and discharge chan neither and his ks. In lubricators, the method of effecting the transition of lubricant material from a greater into a lesser pressure, and yet preventing direct communication between the greater and lesser pressure resulting from the employment of the following means or their equivalents, namely: the valve D, pipe E, oil chamber A and the reciprosating oil pocket mechanism intervening between the receiving other neither and the discharge passage h3, and given motion from a moving member of the engine, substantially as specified.

No. 18.912. Self-Binding Harvester.

(Moissonneuse-Lieuse.)

John O. McLachlan, Patterson, Ont., 19th March, 1884; 5 years.

Claim.—The spring K attached to the compresser arm I, and present against the needle H. and operating through said needle on shaft G and crank F, thereby giving a momentum tention of the connecting rod E, and causing the cam wheel A to complete its revolution, as described.

No. 18,913. Bed Bottom (Sommier Elastique.)

Alfenso L. Jaynes, Buffalo, N. Y., U. S., 19th March, 1883; 5 years.

years.

Claim.—1st. A spring bed-bottom composed of longitudinal slats he secured to rigid cross-bars C, C1, a central slat A secured to first their lower ends to the slats A, A1 and having their free upper their lower ends to the slats A, A1 and having their free upper did to the slats B whereby, when the bottom is folded the strips D will assume a curved position between the past to be held away from the end sections sufficiently to prevent the spring the slats A, A1, provided with the springs B and arranged the slats A, A1, provided with the springs B and arranged the slats A, A1, provided with the springs B and arranged that he side by side, each alternate slat carrying one more spring that he spring shaving two or more of its inner coils at the small end of spring having two or more of its inner coils at the small end of the springs arranged in a horizontal plane, one coil within the other of the springs being doubled back and formed with a loop b, and its ax tremity provided with a hook b1, as and for the purposes set forth.

No. 18.914 Friction Day 19.15 and 19.1

No. 18,914 Friction Brake for Pulleys, &c.

Jacob Tise and Charles H. Tise, Winston, N. C., U. S., 19th March, 1884; 5 years. (Frein à frottement pour Poulies, &c.)

Claim.—1st. A friction-bruke, for revolving wheels consisting of swinging arm capable of being swung from one side of the wheel to the other, and permit the wheel to revolve in one direction but with vent its revolving in the other direction. 2nd. The combination of the wheel having an annular flange and fixed to a shaft capable of the wheel and capable of the wheel and capable of being swung to rest against the flange of the wheel at either side of the shaft, substantially as described.

Charles W. Higby, Jackson, Mich., U. S., 19th March, 1894; 5 years.

Claim—1st. A bustle composed of vertical pockets secured to waist-band, such pockets being formed from laterally plaited fabric and secured to a lining, and within them vertically secured slie in which is combined the following parts: the laterally plaited fabric the lining B, pockets C, band D, vertical coil spring B, secured who such pockets by means of eyelets passing through eyes in the source with springs, through the lining and stays secured thereto, such springs, through the lining and stays secured thereto, substituting as specified. 3rd. A bustle wherein the laterally plaited fand. A, lining B, pockets C, band D, wings E, coil spring F, eyeles says b are constructed, arranged and operate, substantially as for the purposes set forth.

No. 18,916. Process and Apparatus for separating Stores. parating Starch. (Procédé et Appareil pour Separer l'Amide.)

Teile H. Vuller and Jacob W. De Castro, New York, N.Y., U.S., 19th March, 1884; 15 years.

March, 1884; 15 years.

Claim.—1st. The process of producing pure starch, which contains in causing the liquid containing said starch to flow into a contribution and to be separated by said machine into starch and starch and of then removing said gluten during the deposit of substantially as described. 2nd. The process, herein described and to be separated are memoving it, which consisting must starch and removing it, which consisting almost suitable amount of starch water to flow into a contribution and to be separated thereby into starch and gluten, in contained and to be separated thereby into starch and gluten, in contained the addition to it of a suitable amount of water in the centrifusal proteins, substantially as described. 3rd. A centrifugal machine prepriphery and adapted to be removed inward from the periphery ward the centre, in combination with apparatus whereby of the ment may be automatically effected during the operation of the periphery ment may be substantially as described. 4th. A centrifugal machine periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and substantially as described. 4th. A centrifugal machine periphery and substantially as described. 4th. A centrifugal machine periphery and substantially as described. 4th. A centrifugal machine periphery and substantially as described. 4th. A centrifugal machine periphery and substantially as described. 4th. A centrifugal machine periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward from the periphery and adapted to be removed inward