

the cover is clamped to the inner end of the gudgeon through push of the spider against the outer end of the gudgeon, substantially as described. 6th. In a churn and butter worker, the combination with a revoluble drum having a ring gear thereon, of a shaft having a pinion meshing with the ring gear, a band wheel loose on the shaft, a sleeve loose on the shaft, a spider on and secured adjustably to the sleeve, a collar movable endwise on the hub of the spider, clutch-heads mounted in the spider and movable radially against and from the rim of the band-wheel, links connecting the clutch-heads to the collar, means for shifting the collar, and a clutch-collar splined on the shaft adapted to be put into engagement with the sleeve on the shaft, substantially as described. 7th. The combination with a revoluble drum having a ring gear thereon, of a shaft having a pinion meshing with the ring gear, a band wheel loose on the shaft, a sleeve loose on the shaft, means for connecting the sleeve operatively with the band wheel, a counter-shaft, wheels, pinions and a clutch connecting the countershaft operatively with said sleeve and with the shaft, rollers in the drum parallel with and revoluble about the axis of the drum, a pinion splined on the countershaft capable of meshing with a wheel on the journal of one of said rollers when said roller is not revolving about the axis of the drum, substantially as described. 8th. The combination with a revoluble drum having a ring gear thereon, of a shaft having a pinion meshing with the ring gear, a band wheel loose on the shaft, a sleeve loose on the shaft, means for connecting the sleeve operatively with the band wheel, a countershaft provided with gear wheel meshing with a pinion on said sleeve, rollers in the drum parallel with and revoluble about the axis of the drum, and a gear splined on the countershaft adapted to be put in mesh with a wheel on the journal of a roller to connect the countershaft operatively with the roller when the roller is not revolving about the axis of the drum, substantially as described. 9th. The combination with a cylindrical drum, having a door-aperture, of a door closing said aperture, the hinges whereby said door is mounted on the drum, the straps of the hinges secured to the drum being elastic and so formed and disposed as at their unions to be at a distance outwardly from the drum, and means for drawing the straps nearer to the drum so as thereby to force the door more tightly into the aperture, substantially as described. 10th. In a butter worker, the combination with a revoluble case, of a series of spring actuated valves arranged annularly in the case and closing outwardly, said valves being provided with outwardly projecting stems, a rock-shaft mounted in a fixed support, and having radial arms, a plate so mounted on the radial arms on the rock shaft as by the oscillating of the rock shaft to be put in the path of the stems of the valves when the case revolves, and thereby to compel the opening of the valves while passing the plate, substantially as described.

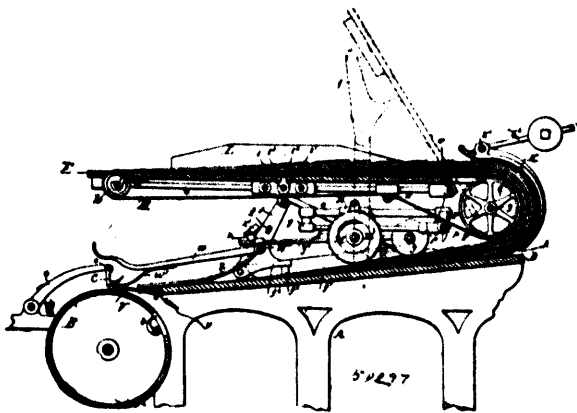
No. 50,096. Medicinal Composition. (*Médecines employées pour régulariser le fonctionnement des intestins*)

Henri Labelle, Montréal, Québec, Canada, 27 septembre 1895; 6 years.

Résumé.—Un médicament régularisateur du foie et des intestins et dépurateur du sang, composé d'écorce de pruche d'eau-de-vie, d'alcool et d'essence de menthe poivrée, préparée de la manière susdite et dans les proportions ci-dessus spécifiées.

No. 50,097. Paper Feeding Machine.

(*Machine pour l'alimentation du papier.*)



Thomas Arnold Briggs, Niagara Falls, Ontario, Canada, and William Austin Philpott, Jr., Niagara Falls, New York, U.S.A., 27th September, 1895; 6 years.

Claim.—1st. The combination with the feed table, of a comb wheel, mechanism whereby the comb wheel is rapidly rotated, feed wheels whereby the sheets are carried slowly over the feed table, a support in which the comb wheel is mounted and by which it is

caused to rest continuously on the sheets passing over the feed table, and means whereby the rotative movement of the comb wheel is stopped when the top sheet has cleared the comb wheel, thereby causing the comb wheel to rest immovably on the next lower sheets and retain the same against displacement while the top sheet is being fed off, substantially as set forth. 2nd. The combination with the feed table, of a rapidly rotating comb wheel arranged above the same, feed wheels whereby the sheets are slowly moved over the feed table, and an intermittently rotating driving mechanism whereby the comb wheel and the feed wheels are intermittently rotated, substantially as set forth. 3rd. The combination with the feed table, of comb wheels arranged above the same, a supply table arranged above the feed table and its comb wheels, feed wheels whereby the sheets are carried from the upper supply table to the lower feed table, and an intermittently rotated actuating shaft whereby the comb wheels are intermittently rotated, substantially as set forth. 4th. The combination with the feed table, of feed wheels arranged at the receiving end thereof, a supply table arranged above the feed table and pivoted adjacent to the feed wheels, and means for supporting the supply table, whereby the latter can be swung up when access is desired to parts below without disturbing the sheets on the supply table, feed wheels and feed table, substantially as set forth. 5th. The combination, with the feed table, and the pivoted supply table arranged above the same, of a brace supporting the supply table and consisting of an upper link pivoted to the supply table and provided with a stop arm and a lower link pivotally connecting the upper link with the feed table and provided with a stop lug, said stop arm being adapted to bear against said lug when the supply table is in its lower operative position or to bear against the under side of the supply table when the latter is in its elevated or inoperative position, substantially as set forth. 6th. The combination, with the upper supply table and the lower feed table, of an upper and a lower side guide capable of transverse adjustment respectively on the upper and lower tables, and arranged vertically in line and connected as to move together, substantially as set forth. 7th. The combination, with the upper supply table and the lower feed table, of an upper movable side guide adapted to rest on the upper table, a lower movable side guide resting on the lower feed table and arranged in line with the upper guide, and a telescopic connection whereby said guides are adjustably connected, substantially as set forth. 8th. The combination, with the feed table, of a comb wheel arranged above the same, a shaft from which the comb wheel is driven, a supporting rod hung concentric with said shaft and arranged lengthwise of the feed table, a support in which the comb wheel is mounted and which is made adjustable lengthwise of the feed table on said rod, and means whereby the comb wheel is driven from said shaft, substantially as set forth. 9th. The combination, with the feed table and the transverse driving shaft, of a transverse comb wheel shaft, a comb wheel and a spiral gear wheel secured thereto, a longitudinal intermediate shaft provided at its front end with a bevel gear wheel which meshes with a similar wheel on the driving shaft and at its rear end with a spiral gear wheel mounted on the longitudinal shaft so as to turn therewith, but capable of sliding thereon and meshing with the spiral gear wheel of the comb wheel shaft, a yoke connecting the driving shaft and the longitudinal shaft, a longitudinal supporting rod secured to said yoke, a hanger secured to the supporting rod and in which the rear end of the longitudinal shaft is journaled, and a sliding head provided with bearings for the comb wheel shaft and longitudinal shaft on opposite sides of each spiral gear wheel and with a clamping sleeve embracing said supporting rod, substantially as set forth. 10th. The combination, with the feed table, the vertically movable registering guides arranged in rear of the table, the feed mechanism whereby the sheets are fed from the table against said guides, and the driving mechanism, of an electro magnetic clutch whereby the driving and feed mechanisms are coupled or uncoupled, a lower and an upper contact finger arranged at the rear end of the feed table in the path of the sheet of paper and connected in circuit with said clutch, and means whereby said upper contact finger is raised with the registering guides to break the circuit, substantially as set forth. 11th. The combination, with the feed table, the vertically movable registering guides whereby the sheets are fed from the feed table to the registering guides, and the driving mechanism, of an electric clutch whereby the driving and feed mechanisms are coupled or uncoupled, a lower contact finger secured to the rear end of the feed table, an upper contact finger arranged over the lower contact finger, said fingers being in circuit with the electric clutch and adapted to come in contact with each other when the registering guides are in their lower operative position, and to be separated by the passage of a sheet between the fingers for breaking the circuit and a rock arm carrying the upper contact finger, the latter being arranged relatively with said guides so as to be held out of contact with the lower finger while said guides are elevated, substantially as set forth. 12th. The combination, with the feed table, the feed mechanism whereby the sheets are fed from the feed table and the driving mechanism, of an electric clutch whereby the driving and feed mechanism are coupled or uncoupled, a lower contact finger secured to the rear end of the feed table, a rock shaft journaled in vertically movable supports, a rock arm secured to said rock shaft and carrying the upper contact finger, and a catch whereby the rock shaft may be held against turning on its supports, substantially as set forth.