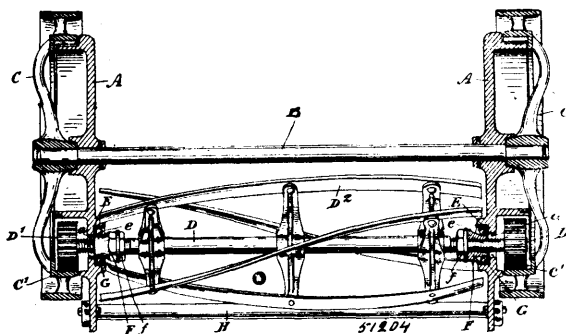


or euphorbiaceae, mixed in the proportions of about one part in weight of linseed oil to two parts in weight of the tree-seed oil, and treated by means of heat substantially or approximately in the manner specified, and suitably compounded with a suitable quantity of reducer, such for instance, as naphtha or spirits of turpentine, substantially as set forth. 4th. The process hereinbefore described, consisting in taking a suitable quantity of linseed-oil, and a suitable quantity of oil pressed from the nuts or seeds of a tree belonging to the genus of trees known botanically under the name of euphorbiaceae, or euphorbiaceae, and mixing the same together and heating the oil-compound to a suitable temperature, and maintaining it in a heated condition during a suitable fraction of a day, then allowing it to cool a suitable number of degrees, and then adding and mixing therewith a suitable quantity of a suitable reducer, such for instance, as naphtha or spirits of turpentine, substantially as set forth. 5th. The process hereinbefore described, consisting in mixing together linseed oil and oil pressed from the nuts or seeds of a tree belonging to the genus of trees known botanically under the name of euphorbiaceae or euphorbiaceae, in the proportions of about one part in weight of linseed oil to about two parts in weight of the tree-seed oil, and heating the same to a temperature of about 400° Fahrenheit, and maintaining the heated oil compound at said temperature for from two to four hours, then reducing the temperature of the heated compound about 50° Fahrenheit or more, and then mixing therewith a quantity of reducer, such for instance, as naphtha or spirits of turpentine, that in weight shall be equal to about one-third of the weight of the quantity of the oil-compound with which it is mixed, and firstly adding about one-third of the reducer in a luke-warm condition, and then adding the remaining fraction of the reducer at its ordinary temperature, substantially as set forth. 6th. The process hereinbefore described, consisting in taking a suitable quantity of linseed-oil and a suitable quantity of oil pressed from the nuts or seeds of a tree known botanically under the name of aleurites cordata, or elaeococca cordata, or dryandra cordata, and mixing the same together and heating the oil compound to a suitable temperature, and maintaining it in a heated condition during a suitable fraction of a day, then allowing it to cool a suitable number of degrees, and then suitably adding and mixing therewith a suitable quantity of a suitable reducer, such for instance, as naphtha, or spirits of turpentine, substantially as set forth.

No. 51,204. Lawn Mower. (Faucheuse de pelouse.)



The Firm of David Maxwell & Sons, assignee of David Maxwell, jr., both of St. Marys, Ontario, Canada, 4th February, 1896; 6 years. (Filed 4th January 1896.)

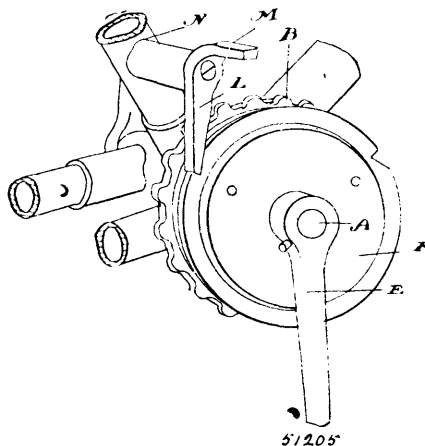
Claim.—1st. In a lawn mower, in combination the end plates held together, as specified, the cup-shaped recesses in the same, the knife cylinder and cone secured at each end of the axle of the cylinder, and the balls between the cones and cup-shaped recesses, and means for driving the cylinder. 2nd. In a lawn mower, in combination, the end plates held together, as specified, the cup-shaped recesses in the same, the knife cylinder, the annular cups L-shaped in cross-section fitting in the recesses, and cones secured at each end of the axle of the cylinder, and the balls between the cones and cup-shaped recesses, and means for driving the cylinder. 3rd. In a lawn mower, in combination the end plates held together as specified, the cup-shaped recesses in the same, the knife cylinder, and cone secured at the ends of the axle of the cylinder and having a curved taper and balls between the cones and cup-shaped recesses and means for driving the cylinder.

No. 51,205. Variable Gear for Foot Propelled Vehicles. (Train variable pour voitures mises en mouvement par le pied.)

Harmon Gilmore, Simcoe, Ontario, Canada, 4th February, 1896; 6 years. (Filed 7th January, 1896.)

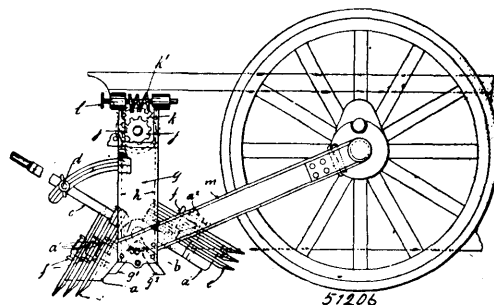
Claim.—1st. A variable gear for foot propelled vehicles, consisting of a crank axle, a crank connected to the crank axle, a disc connected to the inner side face of the crank, a series of pins connected to the inner side face of the disc, pinions mounted on said pins, a planet wheel connected to the inner side face of each of the pinions a sprocket-wheel loosely mounted on the crank axle, a spur-wheel on

the hub of the sprocket-wheel, meshing with the planet wheels, an annular gear interposed between the disc and the sprocket-wheel



meshing with the pinions, and means for holding the annular gear stationary when it is desired to increase the speed of the revolution of the sprocket-wheel, substantially as specified. 2nd. A variable gear for foot propelled vehicles, consisting of a crank axle, a crank connected to the crank axle, a disc connected to the inner side face of the crank, a series of pins connected to the inner side face of the disc, pinions mounted on said pins, a planet wheel connected to the inner side face of each of the pinions, a sprocket-wheel loosely mounted on the crank axle, a spur wheel on the hub of the sprocket wheel, meshing with the planet wheels, an annular gear interposed between the disc and the sprocket-wheel meshing with the pinions, teeth on the outer face of the annular gear, a dog adapted to mesh with the said teeth, a lever pivotally connected to the main frame of the bicycle to operate the said dog to throw it into or out of mesh with the said teeth, and dogs pivotally connected to the disc to prevent the reverse movement of the pinions, substantially as specified.

No. 51,206. Road Breaking Machine. (Machine brise-chemin.)



Harry Morrison, Stratford, England, 4th February, 1896; 6 years. (Filed 14th November, 1895.)

Claim.—1st. The combined road engine and road breaker, substantially as described and illustrated herein. 2nd. In road breakers, a pivoted tool holder carrying tools, beds or supports upon which said tool holder bears, said beds or supports and tool holder being vertically adjustable, substantially as described herein. 3rd. In a road breaking machine, in combination with a pivoted tool holder carrying tools at either side, a frame in which said tool holder is pivoted arranged to slide vertically in guides, substantially as described and illustrated herein. 4th. In a road breaking machine, in combination with a pivoted tool holder and sliding frame, blocks, beds or supports for supporting said pivoted tool holder at the required angle for working upon a road, substantially as described and illustrated herein. 5th. In a road breaking machine, a frame carrying tool holders arranged to slide vertically in guides, substantially as herein described and illustrated.

No. 51,207. Washing Machine. (Machine à laver.)

James Lachlin Weir, Chatham, Ontario, Canada, 4th February, 1896; 6 years. (Filed 17th December, 1895.)

Claim.—1st. A washing machine comprising an oscillating tank A, having dash boards F, F', F'', cover k, operating handle C, and bearings E, in combination with any suitable frame, all formed and arranged, as and for the purpose hereinbefore set forth. 2nd. An