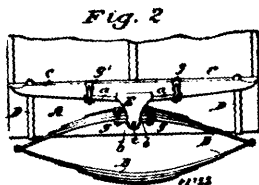


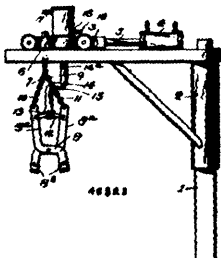
**No. 48,322. Oscillating Device for Vehicles.**

(Appareil d'oscillation pour voitures.)



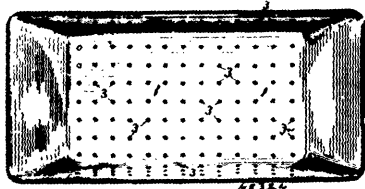
Edward M. Crane, Oshkosh, Wisconsin, U.S.A., 2nd March, 1905; 6 years.

**Claim.** 1st. The combination with the front cross-bar C, of a vehicle, of the front spring B, the bifurcated pendont connecting and guiding device E, provided with a top plate a, by which it can be clipped to the said cross-bar, the front spring B, having the leaves of its upper half arranged between the two prongs of the said connecting and guiding device, the bottom plate b, upon which the upper half of the spring leaves and by which the upper half of the spring can be clipped to the said connecting device, and the pivot c, passed through the connecting and guiding device E, and through the plate at a point below the said half of the spring and on which the axle can oscillate without disturbing the body of the vehicle, substantially as described.

**No. 48,323. Crane for Manipulating Tongue. (Grue.)**

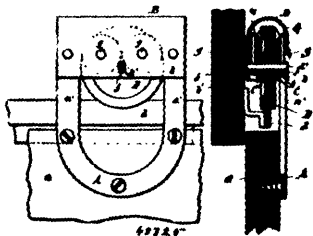
John Frederick Albert Smith, and James Madison Bryant, both of Benwood, West Virginia, U.S.A., 2nd March, 1895; 6 years.

**Claim.** 1st. In combination with the carriage of a crane, the tongue suspended therefrom, toggle levers connected to the said tongue, a cylinder mounted upon the carriage having inlet and exhaust pipes, and a piston rod depending from said cylinder and having its lower end offset to one side of the main portion and connected to the toggle levers for operating the tongue, substantially as described. 2nd. In combination with the carriage of a crane, the tongue suspended therefrom, toggle levers connected to said tongue, a cylinder mounted upon the carriage having inlet and exhaust pipes, a piston rod in said cylinder, and a detachable rod connected to said piston rod, said detachable rod having an angular offset portion with the lower end thereof connected to the toggle levers, substantially as described.

**No. 48,324. Slop Dish and Dish Pan Rest Combined. (Plat à vaisselle)**

Walter Davidson, Toronto, Ontario, Canada, 2nd March, 1895; 6 years.

**Claim.**—A rectangular-shaped vessel having inclining ends and its bottom and sides perforated, substantially as and for the purpose set forth.

**No. 48,325. Door Hanger. (Ferrure de porte.)**

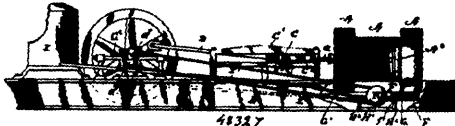
Albert L. Sweet, Medina, New York, U.S.A., 2nd March, 1895; 6 years.

**Claim.** 1st. The combination, with the frame, the supporting wheel and its axle, of anti-friction rollers bearing against said axle, inner carrier plates arranged on opposite sides of said supporting wheel, independent arbours for said anti-friction rollers arranged on opposite sides of said supporting wheel and supported by their inner ends in said inner carrier plates, and carrier plates arranged on the outer sides of said anti-friction rollers and supporting the outer ends of said arbours, substantially as set forth. 2nd. The combination, with the frame having upwardly projecting arms provided with downwardly projecting hangers, of inner carrier plates secured to the inner sides of said hangers and arms, a hoist or cover forming outer carrier plates which are secured to the outer sides of said hangers and arms, a supporting wheel arranged between the inner carrier plates and provided with an axle having its end arranged in slots formed in the inner and outer carrier plates, anti-friction rollers arranged between the inner and outer carrier plates and bearing upon said axle and arbours supporting said rollers and secured with opposite ends to the inner and outer carrier plates, substantially as set forth.

**No. 48,326. Moustache Adjuster. (Releve-moustache.)**

James Joseph McCallum, Belleville, Louis John Ball, Toronto, and Jacob Ball, Waterloo, all in Ontario, Canada, 4th March, 1895; 6 years.

**Claim.** 1st. A moustache adjuster comprised of a comb to fit into the moustache and spring fingers secured to such comb and designed to normally assume a position practically on a line with the comb and underneath the lower hairs of the moustache, as and for the purpose specified. 2nd. In a moustache adjuster, the combination with the comb, of grooved spring fingers hinged centrally to the comb and designed to spring upwardly into position in line with the comb, as and for the purpose specified. 3rd. In a moustache adjuster, the combination with the comb A, of spring fingers composed of a portion b, secured to the centre of the comb, spiral spring hinges extending therefrom and looped zigzagged portion all formed of the one wire, as and for the purpose specified.

**No. 48,327. Gas Engine. (Machine à gaz.)**

Homer L. Boyle, Grand Rapids, and Frank B. Gates, Owosso, both of Michigan, U.S.A., 4th March, 1896; 6 years.

**Claim.** 1st. For a gas or oil engine, a valve having a charging gas chamber, an igniting chamber, and a channel connecting said chambers, substantially as described. 2nd. For a gas or oil engine, a valve having one or more gas chambers or pockets near its end or ends, substantially as described. 3rd. In a gas or oil engine, the combination of a valve casing, and a valve having a gas holding chamber, and an igniting gas chamber near one end, and a channel connecting the two chambers to supply the igniting flame with fuel from the gas chamber, substantially as described. 4th. The combination with the valve casing, having a single gas inlet with a valve therein having two or more gas chambers or pockets, adapted to successively receive a charge of gas from said inlet as the valve is