tion, with one or more keys, a series of levers, indicators and prinons, of devices for throwing the indicators out of the combination, with the indicators and prinons, of devices for throwing the indicators of the keys, substantially as set forth. 8th. The combination, with the indicators and prinons, and with the operating levers and racks, one of the keys, substantially as set forth. 8th. The combination, with the indicators and prinons, and with the operating lever and racks, the universe of the movement of throwing the prinons and racks out of gear after the universe of the indicators, and a series of levers for operating the indicators of appliances for the universe and indicators, and a series of independent rack-revers, and indicators, of a frame supporting the indicators and adversers, and indicators, of a frame supporting the indicators and adversers, and indicators, of a frame supporting the indicators and adversers, and indicators, of a frame supporting the indicators and adversers, and indicators, of a frame supporting the indicators and adversers, and active the levers to the support of the levers to the property of the levers to move the levers to the property of the levers to move the levers to the levers to move the levers to move the levers to the levers to move the levers to the

adjacent indicator, substantially as and for the purpose set forth 32nd. The combination, with the indicators of operating levers in two parts, and looking levers B!, B², substantially as specified. 33rd. The combination, with a series of indicators, and intermediate connections, of one or more additional series of indicators, and means for throwing either series into connection with the operating devices, substantially as set forth. 34th. The combination of a series of indicators, a series of keys in each indicator, and connections whereby each indicator may be set by the action of any key of one series, and a device for restoring the connections to their normal positions at the will of the operator, substantially as set forth. 35th. The combination, with the series of keys, of two or more registering devices, each consisting of a series of numbered indicators, and series of intermediate independent operating connections, and means for turning the registering devices to bring either one of the same into connection with the operating devices, substantially as set forth. 36th. The combination of a series of indicators and operating keys, and connections for moving said indicators and operating appliances, independent of the keys and indicators, whereby each indicator is moved one step by said appliances, independently of the keys, as the adjacent indicator completes its revolution, and devices, operated by the indicators for throwing said appliances into action, as each indicator completes its revolution, and devices, operated by the indicators and independent connections, whereby each indicator is controlled by each key of one of the series, and means for throwing the indicators out of gear with the connections, substantially as described. 39th. The combination, with the series of keys, and registering device operated therefrom, of an independent printing recorder and connections, whereby the latter is moved from the same keys and registering device operated therefrom, of gear with the connections, substantiall

No. 35.596. Feed Box for Cattle. (Crèche.)

James Fleury and Arthur O'Leary, both of Lindsay, Ontario, Canada, 10th December, 1890; 5 years.

Claim.—A combination feed box, consisting of the compartment B, the feed box A connected therewith, and the slide or shutoff C, all formed, arranged and combined, as and for the purpose hereinbefore set forth.

No. 35,597. Washing Machine.

(Machine à blanchir.)

Leonidas Clay Branch, San Francisco, and William L. Morrow, Stockton, assignees of Enos Churchill, all of California, U.S.A., 10th December, 1890; 5 years.

Claim -1st. The rocking or oscillating containing-vessel A, having Claim.—1st. The rocking or oscillating containing-vessel A, having its interior space contracting to each end, and an air-chamber a opening out of and rising above said ends, and in which the air is compressed by the movement of the vessel's contents, substantially as described. 2nd. The combination of the rocking or oscillating containing-vessel A, having its interior space contracted toward each end, and provided with a cap-controlled entrance opening in its top center, upwardly turned ends forming air chambers a, whereby air is compressed in said chambers by the action of the vessel's contents, the handle for rocking said vessel, and the assisting spring beneath the bottom of the vessel, substantially as described. 3rd. The rocking or oscillating containing-vessel A, having its interior space contracted toward each end, and its ends upwardly turned, forming air chambers, and a ridge formed across the bottom of the interior of the vessel, whereby the clothes are retarded, substantially as described. tially as described.

No. 35,598. Car Wheel. (Roue de chars.)

William Hailes, John B. Thacher and George H. Thacher, all of Albany, New York, U.S.A., 10th December, 1890; 5 years.

Albany, New York, U.S.A., 10th December, 1899; 5 years.

Claim.—1st. A cast metal car wheel, which has a web or wall portion, as D, provided with the circular series of corrugations d. d., alternating and having their projections and depressions extended substantially radially from the hub towards the plain web portion C, neighboring the rim and integral with said hub and web portion C, substantially as and for the purposes set forth. 2nd. A double plate or cast metal car wheel, which has one of the web plates or wall portions, as D, of the chamber E, provided with the circular series of corrugations d, d, which alternate and have their projections and depressions extended substantially radially from the hub towards the web C, neighboring the rim and are integral with the said hub, its opposite side plate or wall of said chamber E and the web C, substantially as and for the purposes set forth. 3rd. A double plate or hollow cast metal car wheel, which has both wall sections D and D¹, of the chamber E, provided each with a circular