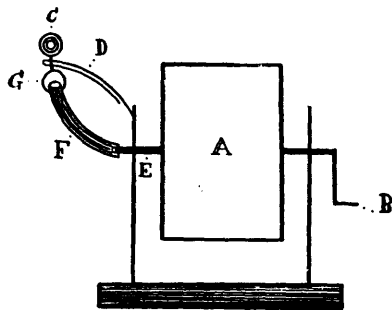


central sprocket hub e^1 , of a lever m , fulcrumed vertically above said sprocket hub, and a lever arm n , depending from said lever and engaging, as described, with both the wheels e , substantially as specified. 2nd. In a stump extractor, the combination, with a tripod n , a yoke frame centrally suspended therefrom, elevating ratchet wheels e , journaled in said yoke and connected centrally by a central sprocket hub e^1 , brake supporting arms i , pivoted, as described, within the yoke, and brake bars k , having end hooks k^1 , and jointly connected with said brake supporting arms by a link, and supported beneath said ratchet wheels, of a lever m , fulcrumed vertically above the hub sprocket, and arm n , depending from said lever head and adapted to engage, as described, with the teeth of both ratchet wheels or with both the hooks k^1 , substantially as specified. 3rd. In a stump extractor, the combination, with the derrick and a frame yoke suspended centrally therefrom, of ratchet wheels journaled within said yoke, a central sprocket hub connecting said wheels, a chain depending from the yoke frame and a sprocket wheel suspended by said chain, the latter leading from said sprocket wheel to the said sprocket hub, a suitable hook depending from said suspended sprocket wheel, a lever fulcrumed vertically above the sprocket hub, and a ratchet operating arm depending from said lever head and engaging both the ratchet wheels, substantially as described.

No. 42,800. Churn. (*Baratte*.)

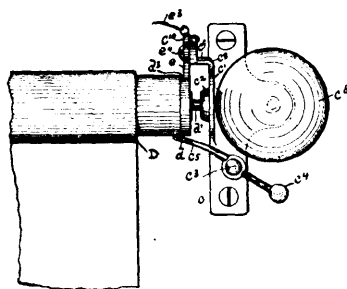


Francis Culham, Princeton, Ontario, Canada, 2nd May, 1893; 6 years.

Claim.—In a churn of the kind described, axle E, tube F, bow G, ball C, and arm D, attached to the churn frame, all arranged and combined substantially as and for the purpose hereinbefore set forth.

No. 42,801. Burglar Alarm.

(Avertisseur d'effraction.)



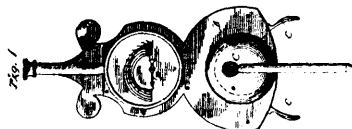
Isaac L. Silverberg, Moses Reichman and Gustavus Troxler, all of Newark, New Jersey, U.S.A., 2nd May, 1893; 6 years.

Claim.—1st. The combination, with a shade roller, of a bracket provided with an alarm, and means operated from said roller to strike said alarm, as and for the purposes set forth. 2nd. The combination, with a shade roller, of a bracket provided with a gong and an arm on said bracket, having a hammer on one end, and a cam on said shade roller for vibrating said hammer, as and for the purposes set forth. 3rd. The combination, with a shade roller, having a cam attached to one end, and said cam being provided with a notch or stop, of a bracket, consisting essentially of a base and a gong thereon, a bracket arm c¹, on said base, provided with an arm c², and a pawl on said arm adapted to engage with said notch or stop on the cam, as and for the purposes set forth. 4th. The combination, with a shade roller, having a cam attached to one end and said cam being provided with a notch or stop, of a bracket, consisting essentially of a base and a gong thereon, a bracket arm

e¹, on said base, provided with an arm e⁹, and a pawl on said arm, adapted to engage with said notch or stop on the cam, a chain or string attached to one end of said pawl to raise the other end out of engagement with said notch or stop, and a pin on said arm e⁹, to limit the movement of said pawl, as and for the purposes set forth. 5th. The combination, with a window frame, of a shade and shade roller, pivoted at one end, in a bracket provided with an alarm, means for operating the same, when the shade roller rotates in its bearings, and a device at the lower end of the shade for removably securing the same to the window frame, as and for the purposes set forth.

No. 42,802. Musical Instrument.

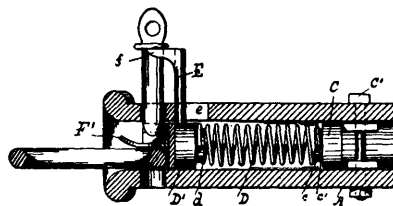
(Instrument de musique.)



Joseph S. F. Pizzuti, Columbus, Ohio, U.S.A., 2nd May, 1893; 6
years.

Claim.—1st. A musical instrument comprising the frame A, the sounding chamber C, the manually operable valve plate *b*, having the arm *d*, the rack bar *l*, gear or pinion *s*, stud *u*, pointer *p*, and a note dial, in combination, substantially as shown and described. 2nd. In a musical instrument, the sounding chamber C, and a pair of manually operable valve plates *b*, *b*, movable in opposite directions, in combination, substantially as shown and described. 3rd. In a musical instrument, the combination, with the sounding chamber C, of a pair of manually operable valve plates *b*, *b*, and means for automatically retracting said valve plates, substantially as shown and described. 4th. A musical instrument comprising the frame A, the sounding chamber C, a pair of manually operable valve plates *b*, *b*, each having an arm *d*, the toggle links *h*, *h*, and spring *e*, in combination, substantially as shown and described. 5th. The combination in a musical instrument, of the frame A, the sounding chamber C, a pair of manually operable valve plates *b*, *b*, each having an arm *d*, the toggle links *h*, *h*, spring *e*, rack bar *l*, pinion *s*, stud *u*, pointer *p*, and a note dial, substantially as shown and described. 6th. In an instrument of the kind described, a movable pointer and a dial having a musical staff eccentrically arranged and a notation on said staff concentrically arranged with respect to the axis of movement of the pointer, substantially as described.

No. 42,803. Car Coupler. (*Attelage de chars.*)



Charles C. Haub and John F. Daska, both of San Francisco, California, U.S.A., 2nd May, 1893; 6 years.

Claim.—1st. In a car coupler, the combination with the draw bar of the coupling links, and of the spring actuated head block, as and for the purpose set forth. 2nd. In a car coupler, the combination with the coupling pin, of the spring actuated head block, said head block with its rear movement adapted to allow the coupling pin to drop, as and for the purpose set forth. 3rd. In a car coupler, the combination with the spring actuated head block, of the coupling pin, and of the pin support, as and for the purpose set forth. 4th. In a car coupler, the combination with the spring actuated head block, of the link guide secured thereto, as and for the purpose set forth. 5th. The combination with the spring actuated head block, of the guide piece secured thereto, and of the projecting ears, as and for the purpose set forth. 6th. The combination in a coupler, of the coupling link, of the spring actuated head block, said head block provided with forwardly projecting link guides, as and for the purpose set forth. 7th. In a car coupler, the combination with the draw bar, tail piece located therein, spring secured thereto, head block connected to opposite end of said spring, link guide secured thereto, and of the coupling link. 8th. In a car coupler, the combination with the spring actuated head block, coupling pin, and of the pin support operated by the movement of the spring actuated head block, said support provided with forwardly extending arms between which the coupling pin is secured. 9th. In a car coupler, the combination with the coupling pin, of the spring actuated head block, and of the forwardly extending shoulder projecting from the head block and adapted to form a support for the coupling pin.