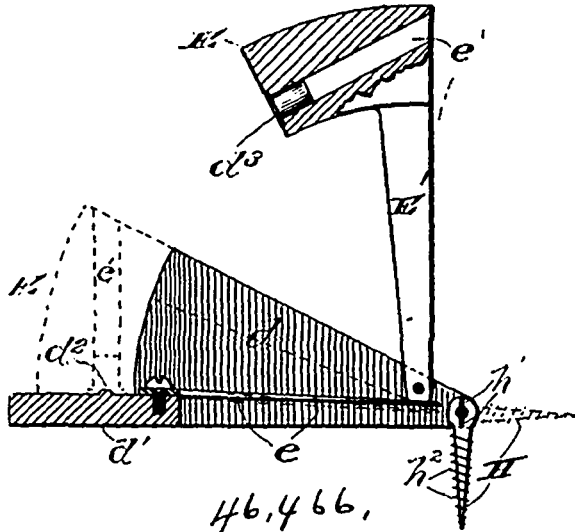


preferably arranged to extend the full width of the cultivator, and secured at its front edge to the shanks either directly or by means of metal straps, substantially as described and shown for the purpose set forth.

No. 46,466. Combined Burglar Alarm and Lock.

(Avertisseur à sonnerie et serrure combinés.)

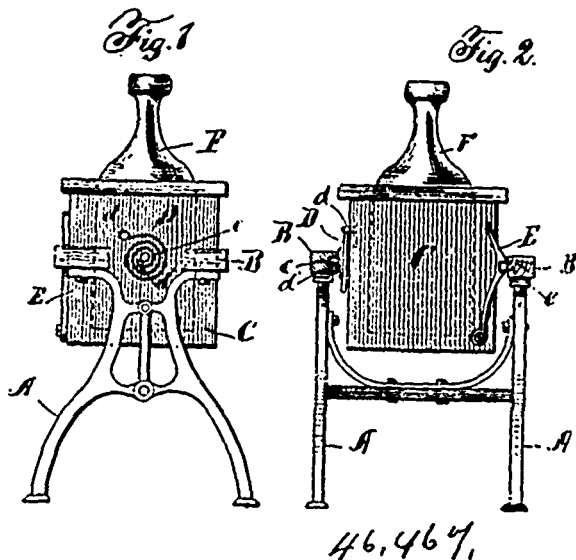


Hudson Ferris, Chicago, Illinois, U.S.A., 4th July 1894; 6 years.

Claim.—1st. The combination in a burglar alarm and lock, of a wedge-shaped frame, having at its wider portion the block d' , provided with a pin or projection, with a securing screw pivoted to the tapered portion of the frame and the spring actuated arm E' , having the head E , provided with the opening c' , and recesses c'' , substantially as described. 2nd. The combination in a burglar alarm and lock of the wedge-shaped frame D , having the block d' , provided with the pin d'' , and the pieces a , having the recesses h , with the screw H , having the projections h' , to engage said recesses and hinged between the pieces d , and the arm E' , pivotally secured to the frame and having the head D , provided with the opening c' , substantially as described.

No. 46,467. Bottle or Vessel Holder.

(Porte-bouteille ou vase.)

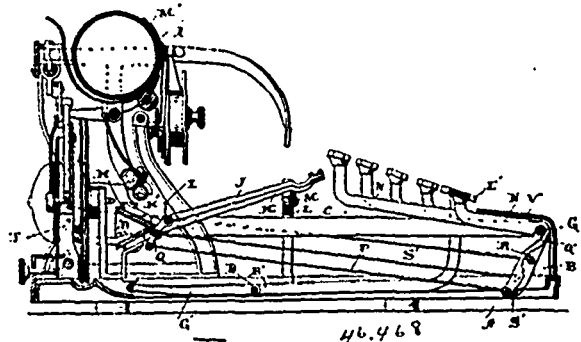


Frank G. Kammerer, Chicago, Illinois, U.S.A., 4th July, 1894; 6 years.

Claim.—1st. The combination, in a bottle or vessel holding device, of a supporting stand A , a case or crate C , pivotally mounted therein, coiled or spiral springs D , for holding said case or crate in its normal position, and for returning it thereto after it has been moved therefrom, and means for supporting or holding a bottle or vessel within said case, substantially as described. 2nd. The combination, in a bottle or vessel holding device, of a tiltably supported case or crate C , provided with yielding cushions O' , for

frictionally holding or supporting bottles or vessels therein, and means for yieldingly holding said case or crate in its set position, and for returning it thereto after it has been tilted, substantially as described. 3rd. The combination, in a bottle holding device, of a case or crate C , curved springs G , secured therein, and cushions O' , of elastic material secured to the ends of said springs, whereby said cushions may frictionally hold the bottles or vessels in position and the springs yield to adapt the case to hold bottles or vessels of varying sizes, substantially as described. 4th. The combination of a supporting stand A , a case or crate C , pivotally mounted therein, and springs D , coiled around the pivotal points of said case, and having one end secured to the case and the other to the stand, substantially as described. 5th. The combination of a stand, a case or crate C , supported therein on suitable trunnions c , springs D , coiled around said trunnions and connected at one end to the case or crate and at the other to the stand, and a spring catch E , attached to the case or crate and adapted to engage the stand, substantially as described. 6th. The combination, in a bottle or vessel holding device, of a suitable frame A , a tiltably case or crate C , means for automatically returning said case or crate to its normal or set position, a stop or lug e , mounted on the frame, and means, secured to the case or crate, for engaging the stop or lug, to automatically arrest the case or crate at its normal or set position, substantially as described.

No. 46,468. Type-Writer. (Clavigraphie.)



James D. Daugherty, Kittanning, Pennsylvania, U.S.A., 4th July, 1894; 6 years.

Claim.—1st. A type-writing machine comprising a series of type-bars pivoted near their inner ends, a series of bell-crank levers pivoted at their outer ends, with their finger operating portions extending toward the free ends of the type-bars, and connections between the type bars and the opposite ends of the bell-crank key-levers. 2nd. A type-writing machine comprising a series of type-bars pivoted in the segment of a vertical circle, a series of key-levers extending inward toward the free ends of the type-bars, and pivoted at their outer ends, the said key-levers having depending arms, and connections between the type-bars and the depending arms whereby the key-board is brought adjacent to the free ends of the type-bars. 3rd. A type-writer comprising a series of type-bars, a series of bell-crank key levers pivoted at the junction of the two portions of the bell-crank lever, and the finger portions extending inward, connections between the depending portions of the bell crank levers and the type-bars, a universal frame outside of the depending portions of the bell-crank key-levers, a feed mechanism, and a connection between this feed mechanism and this universal frame, the parts operating, substantially as described. 4th. A type-writing machine comprising a series of type-bars pivoted in the segment of a vertical circle, a horizontal key-lever pivoted rod, a series of key-levers having a bell-crank shape, the said key-levers pivoted between their ends upon the said horizontal rod, and a connection between the depending portion of the key-levers and the type-bars. 5th. A type-writing machine comprising a series of type-bars, a series of bell-crank levers pivoted between their ends and having inwardly extending finger operating portions of varying lengths, and a series of connections between the type-bars and the depending portions of the bell-crank key-levers, the said connections being connected with the key-levers respectively at varied distances from their pivotal points for the purpose of equalizing the touch. 6th. A type-writing machine comprising a pivotal rod, a series of key-levers pivoted thereon with their finger portions extending inward, a frame pivoted at its outer extremity upon the said key-lever pivotal rod, a series of type-bars carried in the inner free ends of the said shifting frame, a series of connections between the key-levers and type-bars, and means for lifting the inner end of the shifting frame. 7th. A shifting frame for a type-writing machine comprising side bars, and a V-shaped downwardly curved end piece to which the type-bars are pivotally connected respectively at its upper and lower side. 8th. A type-writing machine comprising a printed mechanism, a pivotal rod, a series of bell-crank key-levers having downwardly extending slots with open lower ends which receive the pivotal rod, and connections between the key-levers and the printed mechanism. 9th. A detachable notating scale made in