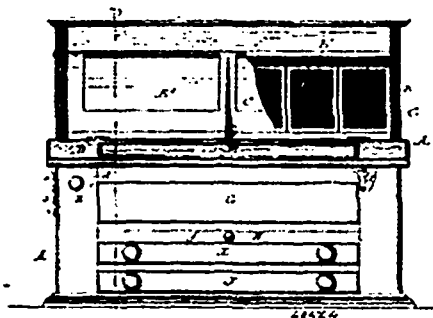


shaft and for controlling the unison line circuit to release said unison device and lock and unlock the receiver type-wheel shaft through the intervention of a relay electro-magnet and a local circuit, substantially as and for the purposes set forth. 8th. A printing telegraph system, comprising a single line conductor adapted to be included in a unison line circuit, a transmitter and receiver normally operated by motors responding to makes and breaks in said circuit and provided with means for automatically closing the same at the unison position and at other positions, local motor circuits at each instrument, a local printing circuit, a spring controlled vibrating mechanical and centrifugal acting circuit closer and breaker controlled by a key at the transmitter and a local printing circuit controlled by the motor electro-magnet of the receiver, a local unison circuit and devices controlled by a unison-key at the transmitter and a local unison circuit and devices controlled by a relay and its spring controlled armature-lever at the receiver, substantially as and for the purposes set forth. 9th. A printing telegraph system, comprising a single line conductor, combined transmitters and receivers normally operated through relay electro-magnets controlling the local circuits of motors and responding to makes and breaks in said line circuit and provided respectively with two sets of local unison and printing circuits, a spring controlled mechanical and centrifugal acting circuit closer and breaker adapted to include one set of local circuits at unison position and the other set at the other positions, and manual-switches for changing the circuits to cause the instruments to operate as transmitters and receivers, substantially as and for the purposes set forth. 10th. A printing telegraph system, comprising a receiver and transmitter having printing and locking electro-magnets and devices, relay electro-magnets, a mechanical and centrifugal acting circuit closer and breaker at the receiver adapted to control a local unison circuit through the armature-lever of said relay electro-magnet and the coils of the printing electro-magnet of the receiver, a double contact unison key adapted to close a local unison circuit through the coils of said printing and locking electro-magnets of the transmitter and to close a unison line circuit through the coils of the relay electro-magnet at the receiver, substantially as and for the purposes set forth. 11th. In a printing telegraph system, comprising a receiver, and a transmitter having printing and locking electro-magnets and devices, a relay electro-magnet at the receiver adapted to control a local unison circuit through its armature-lever and the coils of said printing electro-magnet at the receiver, a mechanical circuit closer and centrifugal acting breaker, a double contact unison key adapted to close one branch of said circuit through the coils of the printing and locking electro-magnets of the transmitter and to close the other branch through a resistance and the coils of the relay electro-magnet at the receiver, substantially as and for the purposes set forth. 12th. In a printing telegraph system, a receiver provided with a unison electro-magnet, a local circuit through the coils of said magnet and adapted to be made and broken by the armature-lever, of a relay magnet responding to makes and breaks in line, a motor, a vibrating mechanical circuit closer and breaker controlled thereby and adapted to close said local circuit through the unison magnet only at unison position, substantially as and for the purposes set forth. 13th. In a printing telegraph system, a transmitter provided with a local printing circuit independent of the line circuit, keys and a type-wheel shaft locking magnet interposed in said local circuit, a receiver provided with a local printing circuit and its accessories, a motor, a vibrating and centrifugal acting circuit closer and breaker adapted to automatically permit of the printing upon the arrest of the receiver type-wheel shaft, electrical and mechanical devices and circuits independent of the local circuits and keys operating upon the arrest of the type-wheel shaft, of the transmitter to stop said motor of the receiver, substantially as and for the purpose set forth. 14th. In a printing telegraph system, the combination of a revoluble shaft provided with a type-wheel having characters and blank spaces, means for arresting said shaft with the divisions of the type-wheel in the printing position, mechanical and electrical devices, a local printing circuit, a motor, a mechanical swinging circuit closer and centrifugal acting interrupter, a wheel on said shaft provided with recesses, in alignment with the characters on the type-wheel and the blank spaces thereof, substantially as and for the purposes set forth. 15th. In a printing telegraph system, an armature lever provided with printing, feeding and unison latch actuating devices and having an electro-magnet and local circuit connections independent of the line circuit and controlled by keys at the transmitter and by a mechanical swinging circuit closer and centrifugal acting interrupter at the receiver, substantially as and for the purposes set forth. 16th. In a printing telegraph system, a spring controlled unison-latch, a system of levers for operating said latch, a printing and paper feeding armature-lever provided with a wedge in sliding engagement with one of said levers, a mechanical swinging circuit closer and breaker, and an electro-magnet and circuit connections for actuating the same, substantially as and for the purposes set forth. 17th. In a printing telegraph system, a unison latch, levers for operating said latch, an armature lever actuating printing devices in sliding engagement with one of said levers, a mechanical vibrating and centrifugal acting circuit closer and breaker, and an electro-magnet and circuit connections for controlling said circuit closer and breaker, substantially as and for the purposes set forth. 18th. In a printing telegraph system, a spring controlled unison latch, a system of levers

for operating said latch, a pivotal printing hammer, an armature-lever provided with an arm having a projection in range of a rod on the printing hammer and with a wedge for operating the system of levers, of vibrating circuit closer and centrifugal acting breaker, and an electro-magnet and circuit connections for controlling said circuit closer and breaker, substantially as and for the purposes set forth. 19th. In a printing telegraph system, a unison latch, levers for operating said latch, a printing hammer, an armature-lever provided with pawl-and-ratchet connections for feeding a paper-carriage and operating said levers, a projection on said armature-lever disposed in range of a rod on the printing-hammer, a mechanical vibrating and centrifugal acting circuit closer and breaker, and an electro-magnet for actuating said armature-lever, substantially as and for the purposes set forth. 20th. In a printing telegraph system, a printing mechanism, a paper-carriage, a type-wheel shaft provided with a unison spiral and with ratchet and stop-wheel, a reciprocating-bar provided with pawls and detents co-operating with said ratchet and stop-wheels, a spring controlled armature-lever connected with said bar, a motor electro-magnet interposed in a local motor circuit controlled by the armature-lever of a relay electro-magnet responding to makes and breaks in line, a printing and unison electro-magnet and circuit connections having an armature-lever provided with devices for actuating the unison latch, printing mechanism and paper-carriage, and a mechanical vibrating circuit closer and breaker included in said local motor circuit, substantially as and for the purposes set forth. 21st. A printing telegraph system, comprising a double contact unison key, circuit connections, a type-wheel and a type-wheel shaft, a relay electro-magnet and its circuit connections, a motor, and a mechanical swinging circuit closer and centrifugal acting breaker adapted to synchronously release the type-wheel shaft through said relay and circuit connections, substantially as and for the purposes set forth. 22nd. In a printing telegraph system, transmitting and receiving instruments, relay electro-magnets for controlling said instruments, a line through the coils of said relay electro-magnets, circuit interrupters on the type-wheel shaft of each instrument, a manual-switch at each instrument for controlling line and local circuits and for permitting an instrument being used either as a transmitter or receiver, a mechanical swinging and centrifugal acting circuit maker and breaker, and mechanical and electrical devices adapted to effect impressions upon the arrest of one of the instruments on makes and breaks of current at the transmitting and receiving instruments, substantially as set forth. 23rd. A printing telegraph system, comprising a transmitter and a receiver each having an electro-magnet to reciprocate a spring controlled bar provided with pawls and detents co-operating with ratchet and stop wheels mounted on type-wheel shafts of both instruments, a line circuit formed out of a local circuit at the transmitter, a relay electro-magnet included in said line circuit and adapted to close the local motor circuit at the receiver and to partially move said motor bar without actuating said type-wheel shaft of the receiver and at the same time to move a mechanical vibrating and centrifugal acting circuit closer and breaker out of unison position so as to close a local printing circuit through the coils of said printing electro-magnet at the receiver, whereby the unison latch of the unison spiral device is liberated and the type-wheel shaft of the receiver is simultaneously released with the type-wheel shaft of the transmitter and permitted to operate in unison with each other upon the release of a unison key at the transmitting instrument, substantially as and for the purposes set forth.

No. 48,564. Cabinet. (Cabinet.)



The Eureka Cash and Credit Register Company, assignee of Warren F. Beck and Ural G. Beck, all of Elmira, New York, U. S.A., 1st April, 1895; 6 years.

Claims.—1st. A cabinet provided with a hinged lid having locking devices on the inside, a money drawer below the hinged lid, means for opening and closing the money drawer, a solid bottom *f* below the money drawer, one or more drawers having compartments for coupons and provided with indexed lids, and a slide below the solid bottom provided with an index to the compartments. 2nd. A cabinet provided with one or more drawers having a series of rows of compartments for holding coupons, and each compartment having a lid suitably indexed, a slide provided with an index to the com-