

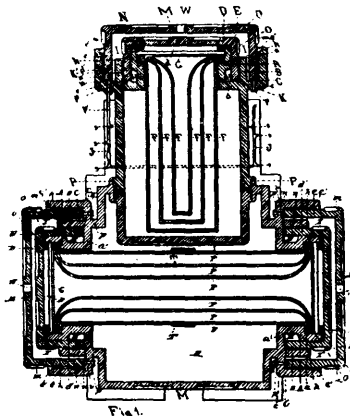
a register controlled in its operation by the electro-magnet h^2 relays d, d^1 in multiple with each other, one relay, as d^1 , being responsive to the operation of the key h^3 , a circuit controller D in the metallic circuit, and a resistance in shunt with the circuit controller D, substantially as described. 9th. In a fire alarm system, the combination of the following instrumentalities, viz.: a metallic circuit, a signal transmitting mechanism included therein, a normally closed circuit controller C^1 , in circuit with the signal transmitting mechanism, circuit terminals h^{14}, h^{15} , in multiple with the signal transmitting mechanism, a portable detachable signal receiving and transmitting apparatus adapted to be connected in circuit with the circuit terminals h^{14}, h^{15} , relays d, d^1 , included in the metallic circuit in multiple with each other, a circuit controller D, and a resistance in shunt with the circuit controller D, the circuit of the signal transmitting mechanism being opened when the portable apparatus is coupled in circuit, substantially as described. 10th. In a system for transmitting signals, the combination of the following instrumentalities, viz.: an electric circuit, a signal box located in said circuit and provided with a door, a signal transmitting mechanism in said box included in said electric circuit, a motor mechanism to operate said signal transmitting mechanism, means for positively changing the rate of movement of the motor mechanism, normally inactive when the door is closed, but adapted to be rendered active when the door is open, to change the speed of the motor mechanism and thereby of the transmitting mechanism, and a relay in the said electric circuit responsive to the varying speeds of the transmitting mechanism, substantially as described. 11th. In a fire alarm system, the combination of the following instrumentalities, viz.: an electric circuit, a fire alarm box located in said circuit, and provided with a signal transmitting mechanism having two independent paths for the signal, a motor mechanism for said signal, a positively acting mechanical speed controlling device for changing the speed of the motor mechanism, and a door for the box provided with devices to control the independent path and the speed controlling device, substantially as described. 12th. In a system for transmitting signals, the combination of the following instrumentalities, viz.: an electric circuit, a signal transmitting mechanism included in said electric circuit, a motor mechanism to operate it, means for positively changing the rate of movement of the motor mechanism and thereby of the speed of the transmitting mechanism, and a relay in the said circuit responsive to the varying speeds of the transmitting mechanism, substantially as described. 13th. In a system for transmitting signals, the combination of the following instrumentalities, viz.: an electric circuit, a signal transmitting mechanism included in said electric circuit, a motor mechanism to operate it, means for positively changing the rate of movement of the motor mechanism and thereby of the speed of the transmitting mechanism, a relay in the said electric circuit responsive to the varying speeds of the transmitting mechanism and a signal mechanism operated by the relay is actuated by one speed of the transmitting mechanism and not by the other speed of the said transmitting mechanism, substantially as described. 14th. In a system for transmitting signals, the combination of the following instrumentalities, viz.: an electric circuit, a signal transmitting mechanism included in said electric circuit, a motor mechanism to operate it, means for positively changing the rate of movement of the motor mechanism and thereby of the speed of the transmitting mechanism, a relay in the metallic circuit responsive to the varying speeds of the transmitting mechanism, and an audible signal upon which is sounded the signal when transmitted at one speed and not at the other, substantially as described. 15th. In a system for transmitting signals, the combination of the following instrumentalities, viz.: a metallic circuit, a signal transmitting mechanism included in said metallic circuit, a motor mechanism to operate it, a positively operating mechanical speed changing device for changing the rate of movement of the motor mechanism and thereby of the speed of the transmitting mechanism, a relay in the metallic circuit responsive to the varying speeds of the transmitting mechanism, a polarized bell in the metallic circuit at the transmitting mechanism, a pole changer in the metallic circuit, a shaft controlled in its operation by the said relay, and a detachable signal wheel on said shaft to operate the pole changer, substantially as described.

No. 42,796. Apparatus for Handling and Preserving Food Products. (*Appareil pour manutentionner et conserver les produits alimentaires*)

Albert Baker, Fort Wayne, Indiana, and Frank D. Bittinger, Dayton, Ohio, both in U.S.A., 2nd May, 1893; 6 years.

Claim.—1st. The combination of a central case provided with one or more openings with one or more cases, constructed in sections placed through said openings partially within said central case and hermetically joined thereto, journals attached to the central case at opposite ends adapted to support said case in position to be revolved when placed in bearings, means to rotate or agitate the enclosing case upon said journals, covers to the openings of the cases and means to hermetically seal them, interior vessels or chambers F provided with rims adapted to rest upon and be supported by the shoulder of the interior recess a of the projection A, a plate adapted to fit in said recess and be supported by said shoulder, the lateral flange c provided with perforations, a packing covering the upper surface of said lateral flange, and provided with channels corresponding to the perforations through said lateral flange connecting them

with the chamber I, an outer cover provided with a flange adapted to form with the inner cover a space or chamber extending around its inner surface pipes p , provided with small orifices, connected to said perforations in said lateral flange and extending into the jacket J, a jacket of porous or absorbent material enveloping the case or



cases externally, suitable packing material placed between the parts requiring sealing, and means to secure the covers. 2nd. The combination of a case provided with a neck or opening, with a projection attached thereto, constructed with an interior recess upon its upper inner surface of sufficient depth to receive the rims or interior vessels, and a plate so as to form a chamber between said plate and a cover placed on the projection, and also, constructed with an exterior recess upon its lower exterior surface, and also, with a lateral flange extending out from its lower end, adapted to form a seat for the rim of a cover, interior vessels or chambers F, provided with rims or flanges adapted to rest upon and be supported by said shoulder within the interior recess of said projection, a plate adapted to fit in said recess, and be supported by said shoulder, a cover provided with a flange adapted to closely envelope that part of the projection opposite the said interior recess, and to form with the said lower part of said projection and its lateral flange a closed space or chamber and means to secure the cover, a second projecting adapted to receive the flange of said cover and closely envelope the same, a lateral flange attached to the neck of the case or to said second projection and extending therefrom so as to form a seat for the rim of an outer cover and a space between said rim and its said attachment for perforations through said lateral flange, a packing covering the upper surface of said lateral flange provided with perforations or channels corresponding to the perforations through said flange, an outer projection attached to said lateral flange adapted to closely envelope the flange of an outer cover, an outer cover provided with a flange adapted to form with the inner cover a space or chamber extending around its interior surface, pipes p , provided with small orifices connected to said perforations in said lateral flange and extending into a jacket of porous or absorbent material enveloping the case or cases externally, suitable packing material placed between the parts requiring sealing, and means to secure the covers. 3rd. The combination of a case provided with an opening, with a projection attached thereto constructed with an interior recess upon its upper inner surface, of sufficient depth to receive the rims or flanges of interior vessels and a plate so as to form a chamber between said plate and a cover placed on the projection, and also constructed with an exterior recess upon its lower exterior surface, and also with a lateral flange extending out from its lower part adapted to form a seat for the rim of a cover; interior vessels or chambers F, provided with rims or flanges adapted to rest upon and be supported by said shoulder within the interior recess of said projection, a plate adapted to fit in said recess and be supported by said shoulder, a cover provided with a flange adapted to closely envelope that part of the projection opposite the said interior recess and to form with the said lower part of said projection and its lateral flange a closed space or chamber, suitable packing material placed between the parts requiring sealing and means to secure the covers. 4th. The combination of a case provided with an opening, with a projection attached thereto constructed with an interior recess upon its upper inner surface of sufficient depth to receive the rims or flanges of interior vessels, and a plate, so as to form a chamber between said plate and a cover placed on the projection, and also constructed with an exterior recess upon its lower exterior surface, and also with a lateral flange extending out from its lower part adapted to form a seat for the rim of a cover, a plate adapted to fit in said recess and be supported by said shoulder, a cover provided with a flange adapted to closely envelope that part of the projection opposite the said interior recess and to form with the said lower part of said projection and its arm a closed space or chamber, suitable packing material placed between the parts requiring sealing, and means to secure the covers. 5th. The combination of a case provided with an opening, with a projection attached thereto constructed with a recess upon its lower exterior surface, a lateral flange extending