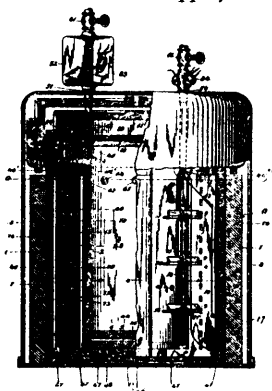


out from its lower part and adapted to form a seat for the rim of a cover, a cover provided with a flange adapted to closely envelope the upper part of the projection, and to form with the said lower part of said projection and its lateral flange, a closed space or chamber and means to secure the cover, and suitable packing material placed between the parts requiring sealing. 6th. 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 out from its lower end and adapted to form a seat for the rim of a cover, a cover provided with a flange adapted to closely envelope the upper part of the projection 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 projection adapted to receive the flange of said cover and closely envelope the same, and suitable packing material placed between the parts requiring sealing. 7th. The combination of a case having a cover with a lateral flange attached to the neck of the case or to a projection, and extending therefrom so as to form a seat for the rim of a second or outer cover and a space between said rim and its said attachment, a second or 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, perforations through said lateral flange and a jacket of porous or absorbent material enveloping the case. 8th. The combination of a case having a cover with a lateral flange attached to the neck of the case or to a projection and extending therefrom so as to form a seat for the rim of a second or outer cover, and a space between said rim and its said attachment, an outer cover provided with a flange adapted to form with the inner cover a space or chamber extending around its interior surface, perforations through said lateral flange, a covering of porous or absorbent material enveloping the case. 9th. The combination of a central case with one or more cases placed partially therein through openings in said central case and hermetically joined thereto, with means to hermetically seal the openings of the inserted cases. 10th. The combination of a case provided with a cover, and means to hermetically seal the cover, with a projection attached to the openings of the case constructed with a recess and shoulder on its upper interior surface, and two or more interior vessels provided with rims adapted to rest upon and be supported by said projection shoulder within the interior recess of said projection. 11th. In a central case adapted to receive and contain other cases and vessels, the combination of journals adapted to support the central case in position to be revolved, the hermetical sealing devices herein described, the case N, constructed in sections as described, two or more interior vessels F, adapted to rest within each other with spaces between them, and provided with flanges adapted to rest upon and be supported by the shoulder of the recess a, the jacket J, and means to cause liquids or fluids to flow upon and through said jacket.

No. 42,797. Package. (Envelope.)



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

Claim.—1st. In an apparatus for handling and preserving foods and other substances, the combination of a main case with a projection attached to its neck or opening provided with an interior recess and with a shoulder upon its upper part of sufficient depth to receive the rim of a secondary case, and a plate provided with a rim adapted to rest upon the shoulder of the interior recess of said projection, and extending to or near to the bottom of the main case and provided with a removable bottom having a central orifice closed by a plug or valve, a plate adapted to form a cap or cover to said secondary case and to rest upon and cover its rim, packing between the rim and cap of said secondary case adapted to seal the same when the cover enclosing the projection is secured in place, sub-interior cases placed therein provided with covers and means to hermetically seal them, and with removable bottoms which are provided with valves or plugs, a piston fitted in said secondary case and adapted to be operated therein, a bottom to the main case provided with an orifice extended to the interior thereof closed hermetically by a plug or valve and adapted to coincide with the orifice in the bottom of said secondary case, partition walls between the second-

ary case and the main case sub-dividing the space between them into two or more compartments, supports under the secondary case constituting walls connected with and forming part of the partition walls and provided with valves closing orifices and means to operate the valves externally, enveloping flexible covers hermetically attached, enclosing the handles of the wires or other mechanism connected to and operating the interior valves and adapted to permit their free operation, pipes entering the case or cases for the admission and exit of a current, provided with stop cocks, or other means for regulating the entrance and exit of a current, a cage or receptacle containing sterilizing material connected to the admission and exhaust pipes in such manner that all the current entering or flowing out through the inner ends of said pipes shall pass through the sterilizing material, a thermo-electric pile consisting of alternate metallic plates or conductors of dissimilar metals, connected at their alternate ends, so as to form a continuous path for an electric current, cross walls extending from one partition wall to another provided with said thermo-electric piles, and further subdividing the space into two or more compartments, the connecting ends of the piles extended beyond the cross walls lineally so as to form points of attachment in the partition walls, cells or recesses placed within the apparatus at any required places, and adapted to hold capsules and materials, the cells containing materials being provided with covers, and the covers and capsules being constructed of materials adapted to be dissolved or broken by the application of heat, moisture, or other means at the will of the operator, electric mats consisting of a mat of fibrous or porous material placed on suitable supports containing electric conductors interlaced and arranged to form a path for an electric current, and also arranged to produce electrolytic action at given places, electric conductors connecting the thermo-electric pile and the electric mats, with suitable sources of electric generation outside the apparatus, an electric sterilizer enclosed within a case placed between sections of the said pipe, the case forming a section thereof, a jacket of porous or absorbent material enveloping the main case externally and provided with electric conductors of different conductive power connected with each other to form a continuous path for an electric current interlaced therewith, and a cover or covers to the openings of the case or cases, and means to secure them in place hermitically. 2nd. In an apparatus for handling and preserving foods and food substances, the combination of a main case with a projection attached to the neck or opening of said case provided with an interior recess with a shoulder, a secondary case provided with a rim adapted to rest upon said shoulder within said recess of said projection and extended to or near to the bottom of said case, and also provided with a removable bottom having an orifice closed by a plug or valve, a plate adapted to fit in said recess and form a cap or cover to said secondary case, support under the secondary case constituting walls connected with the partition walls, and provided with apertures provided with valves and means to operate the valves externally, partition walls between the secondary case and the main case subdividing the space between them into two or more compartments, and provided with apertures and valves and means to operate the valves externally, pipes entering the case or cases for the admission and exit of a current, provided with stop cocks, or other means for regulating the entrance and exit of a current, suitable packing material between the parts requiring sealing, and a cover over said projection, and means to secure the same in place hermitically. 3rd. In an apparatus for handling foods and other substances, the combination of a main case with a projection attached to the neck or opening of said case and provided with an interior recess with a shoulder, a secondary case provided with a rim adapted to fit in said recess and rest on said shoulder, and extending to or near the bottom of the main case and also provided with a removable bottom having an orifice closed by a plug or a valve, a plate adapted to fit in said recess and form a cap or cover to said secondary case, a piston fitting in said secondary case and adapted to be operated therein, suitable packing between the parts requiring sealing, and a cover to said projection and means to secure the same in place hermitically. 4th. In an apparatus for handling and preserving foods and other substances, the combination of a main case with a projection attached to the neck or opening of said case, provided with an interior recess with a shoulder, a secondary case provided with a rim adapted to fit in said recess and rest upon said shoulder and extend to or near to the bottom of the main case and provided with a removable bottom having an orifice and a plug or valve closing the same, a plate adapted to fit in said recess and form a cap or cover to said secondary case, a piston fitting in said secondary case and adapted to be operated therein, a pipe opening into the space or chamber formed between the plate covering, the rim of said secondary case and a cover placed above it, and opening also into the entrance pipe, suitable packing material between the parts requiring sealing, and a cover to said projection and means to secure the same in place hermitically. 5th. In an apparatus for handling and preserving foods and other substances, the combination of a main case with a projection attached to the neck or opening of said case provided with a recess with a shoulder, a secondary case provided with a rim adapted to fit in said recess and rest upon said shoulder and extended to or near to the bottom of the main case, and provided with a removable bottom having an orifice closed by a plug or valve, a plate adapted to form a cap or cover to said secondary case and to rest upon and cover the rim thereof, packing between the rim and cap or cover to said secondary case adapted to seal the same, and a cover to said projection and means to secure the same in place. 6th. In an apparatus for handling and preserv-