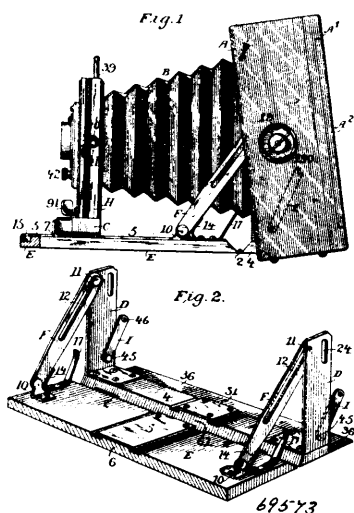


located in the cut-away place in the bottom of said box in the same horizontal plane with the remaining portion of the box bottom, said box being pivotally connected with supports inside of said box, which supports form part of said intermediate frame, and the pivotal connection between the said box and the said supports being provided with vertical slots so that the said box can be lifted to bring its bottom above that of said intermediate frame and can be swung when lifted, substantially as described. 18th. In combination with the camera bed, and the camera box, an intermediate frame composed of a cross piece to which said bed is hinged, and supports to which said box is pivotally connected, said supports being provided with vertical slots so that said box can be lifted relatively to said frame and can be swung by the aid of its pivotal connections with said supports, substantially as described. 19th. A swing back photographic camera having, in combination, a camera bed, a swing back, a pivotal connection between said bed and back, which is movable relatively to said bed, and means for fastening the swing back in its different positions of adjustment, substantially as set forth. 20th. A swing back photographic camera, having in combination, a camera bed, a swing back, a pivotal connection between said bed and back which is movable relatively to said bed, and a supplementary connection between said back and bed, whereby when said back is tilted, said pivotal connections automatically move relatively to said bed, substantially as set forth.

No. 69,573. Camera. (Camera.)



William Frank Carlton, assignee of Harvey W. Locke, both of Rochester, New York, U.S.A., 3rd December, 1900; 6 years. (Filed 15th November, 1899.)

Claim.—1st. The combination of a camera bed, a swing back pivotally and slidably connected therewith, and links pivotally connected at opposite ends to said camera bed and swing back respectively, whereby said swing back moves vertically as it swings, substantially as set forth. 2nd. The combination of a camera bed having vertically extending supports, a swing back pivotally and slidably connected to said supports at approximately the middle line of said swing back, and links pivoted at opposite ends to said camera bed and to said swing back, substantially as set forth. 3rd. The combination of a camera bed which furnishes the bottom of the camera casing, a swing back constructed so as to form the sides and top of the camera box or casing, thus constituting a swinging box, said swinging box being pivotally and slidably connected with said camera bed, and links pivotally connected at opposite ends to said bed and box respectively, substantially as set forth.

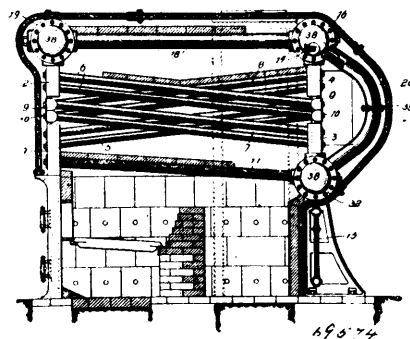
No. 69,574. Steam Boiler and Water Heater.

(Chaudière à vapeur et chauffeur d'eau.)

Archie Gerry Hohnstein, New Haven, Connecticut, U.S.A., 4th December, 1900; 18 years. (Filed 20th October, 1900.)

Claim.—1st. A water tube boiler having in combination three drums, each consisting of two or more connected sections, two of said drums arranged in or approximately in the same horizontal plane above the other drum, two series of tubes extending from each section of the lower drum and connected respectively to corresponding sections of the upper drums, tubes connecting the sections of the upper drums and a downtake pipe connecting each section of one of the upper drums to a section of the lower drum, all of said parts being arranged in parallel or substantially parallel vertical planes, substantially as set forth. 2nd. A water tube boiler consisting of a series of two or more detachable units, each unit forming in and of itself a complete boiler, substantially as set forth. 3rd. A water tube boiler consisting of a series of two or more detachable units,

each unit having the parts or elements thereof arranged in parallel in substantially parallel vertical planes, substantially as set forth.



4th. A water tube boiler, having in combination a drum, a header connected to the drum, a series of tubes connected to the header, the points of connection of the header to the tubes and drum being in different vertical planes, substantially as set forth. 5th. A water tube boiler, having in combination an upper drum, a lower drum, and a sectional downtake pipe connecting said drums, substantially as set forth. 6th. The combination of boiler, a chamber or receptacle for the reception of solids, etc., outside of the general path of circulation of the boiler but connected thereto and a feed water pipe passing along a portion at least of the circulating system of the boiler and connected to the settling chamber or receptacle, substantially as set forth. 7th. In a boiler, the combination of a downtake, a chamber or receptacle connected to the boiler, and feed water tubes passing through the downtakes and connected to said chamber or receptacle, substantially as set forth. 8th. In a boiler, the combination of upper and lower rear drums, downtakes connected to said drums, a chamber or receptacle connected to the lower drum, and feed water tubes passing through the downtakes and connected to said chamber or receptacle, substantially as set forth. 9th. In a boiler, the combination of downtakes connected at or rear their upper and lower ends to other portions of the boiler, diaphragms arranged in the downtakes above and below the points of connection of the downtakes with the other portions of the boiler, feed water tubes arranged within the downtakes and projecting through the diaphragms and a chamber or receptacle connected to the boiler and the feed water tubes, substantially as set forth. 10th. In a boiler, the combination of upper and lower rear drums, downtakes connected to said drums, a chamber or receptacle connected to the lower drum, feed water tubes passing through the downtakes and connected to said chamber or receptacle and a by-pass connecting the feed water pipe to the upper drum, substantially as set forth. 11th. In a boiler, the combination of a downtake adapted to be connected at or near its ends with other portions of a boiler and provided with tube sheets or diaphragms above and below its points of connection with the boiler, tubes extending through the downtakes and having their ends connected to the chambers formed outside of the diaphragms, substantially as set forth. 12th. In a boiler, a downtake forming a portion of the circulating system of the boiler and provided with chambers above and below its points of connection with the other portions of the boiler, in combination with tubes arranged within the downtake, and having their ends connected to said chambers, and a removable cap on the upper chamber, substantially as set forth. 13th. In a boiler, the combination of drum, a hollow stand connected to said drum and serving as a support for said drum, a downtake pipe connected to the drum and to another portion of the circulating system of the boiler, and a feed water tube extending through the downtake and connected to the stand, substantially as set forth. 14th. In a boiler, the combination of upper and lower drums, a hollow Y-shaped stand having its arms connected to the lower drum, a diaphragm or tube arranged in one of the arm below its point of connection with the drum, a downtake tube connecting the upper drum with said arm and a feed water tube arranged in the downtake and extending through the diaphragms, substantially as set forth.

No. 69,575. Steam Boiler. (Chaudière à vapeur.)

Archie Gerry Hohenstein, New Haven, Connecticut, U.S.A., 4th December, 1900; 18 years. (Filed 20th October, 1900.)

Claim.—1st. In a steam boiler, the combination of two lower drums, an intermediate upper drum, two pairs of tubular columns connecting the lower drums to the upper drum, two series of headers connected to the lower drums, two series of headers connected to the upper drum, and two diverging banks of tubes extending across the combustion chamber and connecting each series of upper headers with the corresponding series of lower headers, substantially as set forth. 2nd. In a steam boiler, the combination of two lower drums, an intermediate upper drum, two pairs of tubular columns connecting the lower drums to the upper drum, two series of lower headers having their lower portions outwardly inclined and connected to the