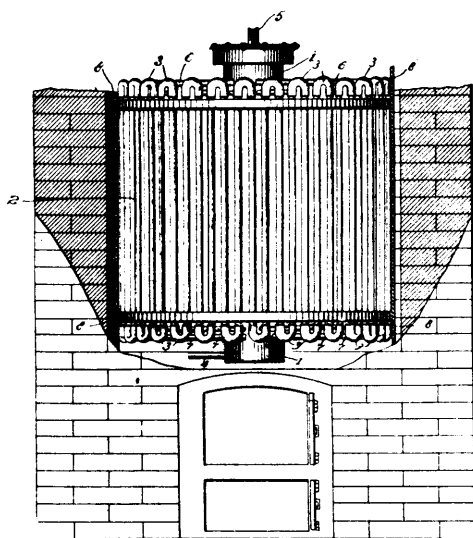


forming a continuous passage, each of said elements being in communication at one end with a water supply medium and at the

Fig. 1.



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other end with a steam outlet medium, substantially as specified. 6th. A boiler, having a continuous series of terminally connected communicating tubular elements, forming a continuous passage and each of said elements being in communication at spaced points with inlet and outlet conducting means, substantially as specified. 7th. A boiler, having a manifolded circulating tube forming a continuous passage and of which each fold or element is in communication at one end with a supply and at its other end with an outlet conveyer, substantially as specified. 8th. A boiler, having a central stand pipe or drum, and an encircling shell consisting of a continuous manifolded circulating tube, of which each fold or element is in communication at both ends with the stand pipe or drum, substantially as specified. 9th. A boiler, having a central stand pipe or drum, and an encircling shell consisting of a continuous manifolded circulating tube, and a single connecting tube each bend of the circulating tube and the stand pipe or drum, substantially as specified. 10th. A boiler, having a stand pipe or drum provided with communicating water inlet and steam escape conveyers, and an encircling shell, concentric with the stand pipe or drum, consisting of a continuous manifolded circulating tube, arranged with its folds or elements parallel with the axis of the stand pipe and connected by elbows or bends, and a connecting tube between each elbow or bend and the stand pipe or drum, substantially as specified. 11th. A boiler having a central stand pipe or drum provided with

water inlet and steam outlet conveyers, and a plurality of tubular shells encircling the stand pipe or drum and arranged in separate layers or tiers, each shell consisting of a continuous manifolded circulating pipe arranged with its folds or elements parallel with the axis of the stand pipe, and connecting tubes between each bend of the circulating pipe and the stand pipe or drum, the folds or elements of each shell being of a length greater than those of the adjacent inner shell, whereby the lengths of the folds or elements increase from the innermost to the outermost shell, substantially as specified.

No. 69,563. Electric Lamp. (Lampe électrique.)

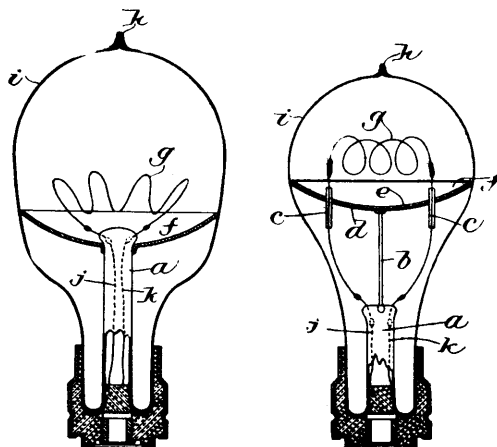


Fig. 2.

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Fig. 1.

Samuel Dexter Washburn, Boston, and Clarence Herbert Tinkham, Cambridge, both in Massachusetts, U.S.A., 30th November, 1900; 6 years. (Filed 18th June, 1900.)

Claim.—1st. The improved incandescent lamp above described comprising an exhausted bulb, a disc shaped mirror extending across but separate from the bulb, a glass tube with its outer end sealed in the neck of the bulb supporting the mirror and leading in wires extending through the glass tube and the mirror and connected to the filament. 2nd. In an incandescent electric lamp, in combination, a bulb, a tube of glass closed at its inner end and sealed to the bulb, leading in wires sealed in the tube, a mirror, and a wire one end of which is fast to the tube and the other end to the mirror, substantially as described. 3rd. The improved incandescent electric lamp comprising the exhausted bulb, the glass tube extending into the exhausted bulb and sealed at its outer end to the neck of the exhausted bulb and at its inner end about the wires which support the filament, and a disc of metal within the exhausted bulb and mounted on the glass tube, near its inner end, substantially as described.