Referring to the figure, \( f_1 \), \( f_2 \), and \( f_3 \) are sections of brass rod which screw together to form a single central column. At the two points of junction of the sections are mounted the circular brackets \( j_1 \) and \( j_2 \), in which are holes for holding the funnel tubes \( h_1 \) and \( h_2 \). On the top of the brass column is mounted a shallow glass dish \( g \)—made from the inverted foot of a wine glass or sherbet glass, with the stem suspended in a deep recess bored in the top of the column. A wick \( i \), consisting of a strip of glass cloth or tape,\(^5\) is placed with its central portion resting in the shallow glass dish \( g \) and its ends suspended in the funnel tubes \( h_1 \) and \( h_2 \). \( l \) is a glass cover for maintaining the humidity around the upper portion of the wick \( i \). It is made from a small battery jar, inverted, with a hole bored in the bottom for the inflow tube \( k \). The apparatus is mounted by means of burette clamps (not shown) on the half-inch rod of a laboratory stand.

In operation of the device, the incoming solution stream, dripping from the inflow tube \( k \) onto the central portion of the wick \( i \), is subdivided by the capillary action of this into two outgoing streams dripping from the ends suspended in the funnel tubes \( h_1 \) and \( h_2 \). From these the solution flows to the wick-culture apparatus below. If the two portions of the wick are closely equal in width and length, then the solution streams dripping from them will also be found to be closely equal (readily within 5 per cent., which is adequate for the purpose in hand). Simultaneous subdivision into four streams has been accomplished without difficulty in this manner.

With regard to the mode of operation of the device, it may be interesting to note that there is a tendency to a pulsation or rhythm in its action. Liquid tends to accumulate in the shallow glass dish, and then to drain out through the ends of the wick. It would seem therefore that, at least in part, the mode of action of the device is that of an intermittent siphon with multiple outlet tubes.

Howard University

M. A. RAINES

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LANDMARKS IN MEDICINE; LATTY LECTURES OF THE NEW YORK ACADEMY OF MEDICINE. Pp. viii + 347. 15 figures. Appleton-Century. $2.00.


\(^5\) Cloths and tapes woven from spun glass may be obtained from the Fibre Products Division of the Corning Glass Works, Corning, N. Y.