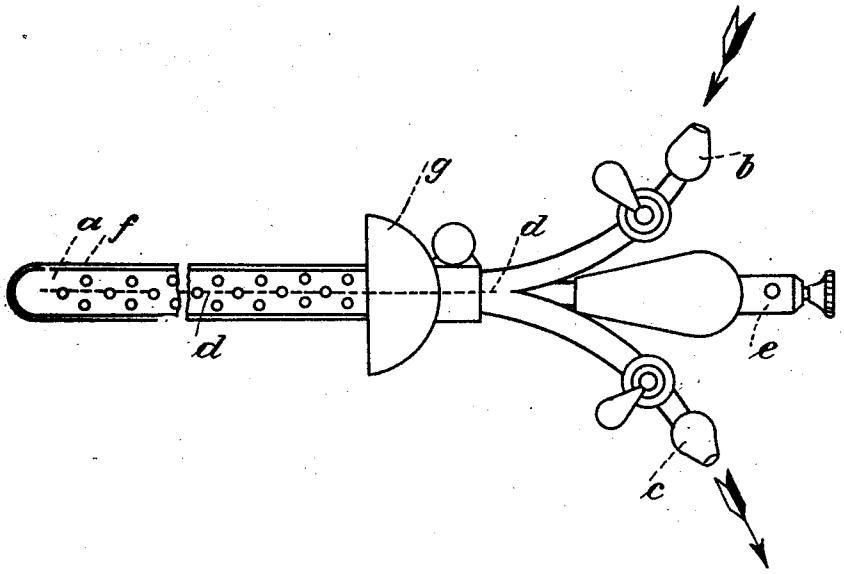
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W. RICHTER

INSTRUMENT FOR ELECTRIC IONIC MEDICATION

Filed Feb. 10, 1927



INVENTOR:

W. Richter

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UNITED STATES PATENT OFFICE.

WILHELM RICHTER, OF BERLIN, GERMANY.

INSTRUMENT FOR ELECTRIC IONIC MEDICATION.

Application filed February 10, 1927, Serial No. 167,220, and in Germany March 24, 1926.

This invention relates to an instrument for electric ionic medication, more particularly for use in the treatment of gonorrhea, by which during irrigation with a medicated wash the medicament may be caused by the iontophoretic action of an electric current to penetrate deeply into the tissues.

The instrument shown in the drawing consists of a tube *a* having numerous perforations and fitted with a valve supply *b* and outflow *c*. A division wall *d* extends through the middle of the tube and ends in a terminal *e* for the attachment of an electric conductor. This constitutes one electrode; the other is formed by a metal plate applied in any suitable position, for instance to the abdomen. Electrolytic action causes a migration of ions, and this iontophoresis carries the medicament deeply into the tissues and so enables a deeply penetrating medicated irrigation. To ensure effective application of the medicament the tube *a* is fitted in known manner with an interchangeable permeable sheath *f* of suitable fabric which distributes the liquid escaping through the holes *a* over a wide area. To adjust the tube to the length of the member to be treated it is provided in known manner with an adjustable bell *g*.

I claim:—

1. An instrument for electric ionic medication comprising a perforated tube having a regulable supply and outflow, a metal division wall extending lengthwise in said tube, and a terminal connected with said division wall.

2. An instrument for electric ionic medication comprising a perforated tube with a closed and rounded end and with a regulable supply and outflow at the opposite end, a bell slidable along said tube, a metal division wall extending lengthwise of said tube, and a terminal connected to said wall.

3. An instrument for electric ionic medication comprising a perforated tube closed at one end and having supply and outflow connections at the other end, a sheath of fabric upon said tube, a metal division wall within said tube, and a terminal attached to said division wall.

In testimony whereof I have signed my name to this specification.

WILHELM RICHTER.