

June 16, 1925.

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E. STEINBERG

LIGHT CONDUCTING ROD FOR THERAPEUTICAL PURPOSES

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Fig.1.

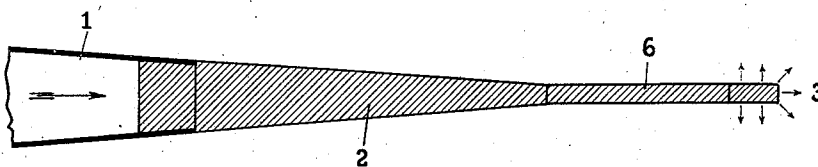
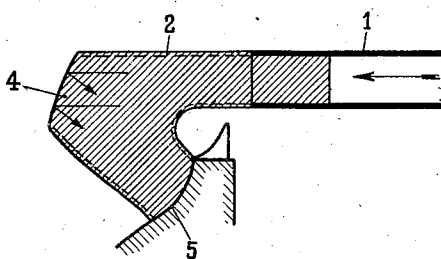


Fig.2.



Inventor:

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UNITED STATES PATENT OFFICE.

EDGAR STEINBERG, OF BERLIN-WILMERSDORF, GERMANY, ASSIGNOR TO ULTRA-HEILSTRAHLEN-APPARATE AKTIEN-GESELLSCHAFT, OF BERLIN, GERMANY.

LIGHT-CONDUCTING ROD FOR THERAPEUTICAL PURPOSES.

Application filed June 18, 1923. Serial No. 646,140.

To all whom it may concern:

Be it known that I, EDGAR STEINBERG, a citizen of the German Republic, residing at Berlin-Wilmersdorf, Germany, have invented certain new and useful Improvements in Light-Conducting Rods for Therapeutical Purposes, of which the following is a specification.

This invention relates to a light conducting rod for therapeutical purposes and consists in the provision of a body of quartz glass having a polished surface which is adapted for application to the surface under treatment and which is shaped to conform with said surface, the rest of the body being left unpolished except where light-rays are to be transmitted or reflected.

Fig. 1 of the accompanying drawings represents a longitudinal section of a light conducting rod for the treatment of the inner part of the womb, and

Fig. 2, a section of a rod for the treatment of a front tooth from the inside of the mouth.

The light from a suitable reflector is projected through a tube 1 into which is detachably fitted a rod 2 made of quartz glass. The rod shown in Fig. 1 is intended for the treatment of the inner part of the womb, the part 6 of the rod being shaped in conformity.

Only the surface indicated by arrows at 3 is polished for transmitting the ultraviolet rays to the particular part of the womb to be treated, the remaining surfaces being left rough.

The club-shaped rod shown in Fig. 2 has a head formed with a surface 5 which is adapted to be applied to the inside of a gum for the treatment of a front tooth and which is shaped in conformity with the gum. The light from the tube 1 is reflected from a surface 4 onto the surface 5, and only these two surfaces are polished, the remaining surfaces being left rough.

I claim:

A light conducting rod for therapeutical purposes comprising a club-shaped body of quartz glass having polished and unpolished surfaces, only those surfaces being polished through which the light-rays are to be transmitted or by which they are to be reflected, the polished surfaces being arranged so as to reflect the light-rays backwards through the club head, the last light-transmitting surface being adapted for application to the inside of the gum for the treatment of a tooth and shaped in conformity with said gum.

EDGAR STEINBERG.