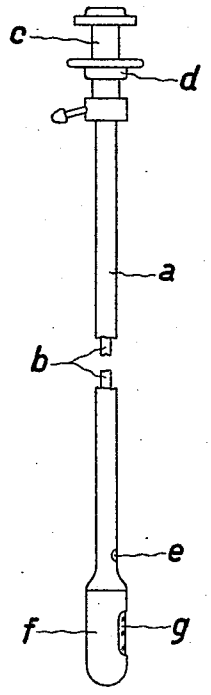
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GASTROSCOPE

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GASTROSCOPE.

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When manufacturing gastroscopes it should be endeavoured to keep the diameter of the shank as small as possible in order that the shank can be easily introduced and that it gives the least possible trouble after its introduction. This endeavour can, of course, only be complied with in so far as it is admitted by the equipment which is to be inserted into the outer tube and which particularly comprises the periscope fitted with the optical parts. However, with a view to rendering the periscope as luminous as possible, its diameter has been chosen as large as possible so that the diameter of the shank was still so large that its reduction appeared desirable. With the constructional form hitherto used, such a reduction was, however, impossible unless one should have to be satisfied with a smaller luminosity than desired of the image afforded by the periscope.

The present invention affords more favourable conditions with respect to the diameter of the shank without the necessity of renouncing the desired luminosity of the image, by contenting oneself with a smaller luminosity of the periscope than it has hitherto been deemed necessary, and by excessively increasing the luminosity of the glow lamp. In order to attain this object, according to the present invention one imparts to the part of the shank enclosing the glow lamp a larger inner and outer diameter than to the part lying between this part and the ocular and of the gastroscope so that in the enlarged part of the shank there is sufficient room for a larger glow lamp and that for the periscope and the part of the shank enclosing it a smaller diameter than hitherto may be chosen. Although at first this modification might appear to be inferior to the former one, it has been proved that for practical use it is preferable, instead of imparting to the shank the same diameter for its whole length, to reinforce it for a short section and on the other hand to keep it for the rest thinner than hitherto.

The annexed drawing shows as a constructional example a front view of a gastroscope according to the invention. The apparatus illustrated contains an outer tube *a* into which is inserted a periscope *b* provided with an ocular *c*. At its ocular end the tube *a* carries a flange *d*, whilst at the end to be introduced into the stomach (lower end) it has an aperture *e* which serves as a light entrance opening for the periscope. Adjoining to the bottom end of the tube *a* to which is fixed a glow lamp not visible in the drawing, there is a protecting sleeve *f*, enclosing the glow lamp and having a window *g*. The tube *a* and the protecting sleeve *f* form together that part of the gastroscope which has been denoted above as the shank. According to the invention to the part of the shank enclosing the glow lamp, viz, the protecting sleeve *f*, a larger diameter has been imparted than to the part of the shank lying between this sleeve and the ocular end, viz, the tube *a*.

I claim:

In a gastroscope a shank, a tube containing optical elements and being disposed within the said shank, a glow lamp fitted in the said shank at one end, that part of the shank, which encloses the said glow lamp, having a larger outer and inner diameter than the remaining part of the same.

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