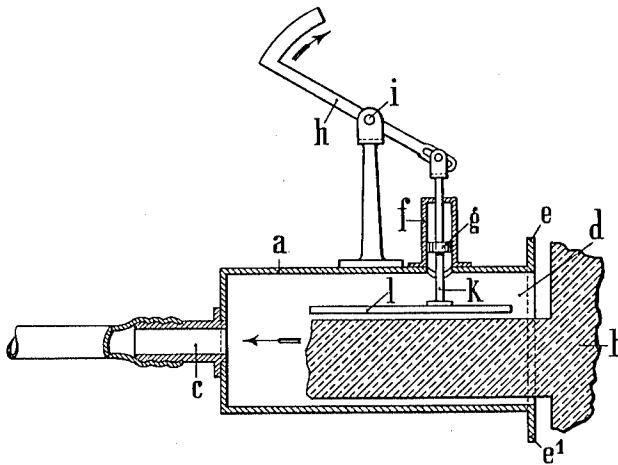


A. ACH.
SURGICAL APPLIANCE.
APPLICATION FILED OCT. 11, 1911.

1,117,618.

Patented Nov. 17, 1914.



Witnesses:
R. J. Hulsizer.
C. H. Potter.

Alvin Ach,
Inventor;
by Rogers Townsend + Brinkenstein,
Attorneys.

UNITED STATES PATENT OFFICE.

ALWIN ACH, OF MUNICH, GERMANY.

SURGICAL APPLIANCE.

1,117,618.

Specification of Letters Patent.

Patented Nov. 17, 1914.

Application filed October 11, 1911. Serial No. 654,011.

To all whom it may concern:

Be it known that I, ALWIN ACH, a citizen of the German Empire, residing at Munich, Germany, have invented certain new and useful Improvements in Surgical Appliances, of which the following is a specification.

This invention relates to a device for remedying hypoplasia of the penis.

10 The object of this invention is to effect, by exercising a pressure on the erected penis, an expansion of the tough tissue-like shell, the so-called *tunica albuginea*, surrounding the compartments containing erectile tissue, 15 the degree of the possible expansion of the member by erection substantially depending on the width of the *tunica albuginea*. This possibility is due to the fact that when not exposed to outside forces, the *tunica albuginea* has a practically circular cross section, 20 and thus must undergo an expansion in order to be able to inclose the corresponding erectile tissue compartment which is, for instance, of an elliptically abnormal shape; 25 the cross section of such compartment not being perceptibly affected by pressure from the outside.

A construction of the new device is diagrammatically illustrated in the accompanying drawing. 30

In this construction, the device for bringing about the erection, consists of a cylindrical body *a* connected to an air pump and intended to receive the penis *b*. The air 35 pump which is not shown in the drawing, draws the air from *a* through the opening *c*. The penis *b* forms, with the opening *d* of the cylinder *a*, a tight joint all around at *e* and *e'* at its root, owing to the skin 40 of the patient being drawn in.

The following device is used for apply-

ing pressure. In the small cylinder *f* the interior of which is in communication with that of the large cylinder *a*, the piston *g* travels in an air-tight manner the rod of 45 which, as shown in the drawing, can be vertically reciprocated about the point *i* by means of the lever *h*. The piston *g* is further provided at the bottom with a projection *k* to which is secured a plate *l*. If the 50 lever *h* is moved in the direction of the arrow, the plate *l* will press in the desired manner on the penis *b* while the latter is in the state of erection.

What I claim is:—

1. In a device of the kind described, the combination of means for bringing about erection with a pressure device carried by said erection means, said pressure device comprising a pressure member, and means 60 for intermittently operating said pressure member, said pressure member constructed and arranged to apply pressure to one side only of the organ.

2. A device for removing hypoplasia of the 65 penis, comprising a tubular sleeve for receiving the penis, said sleeve adapted to be connected to an air pump, a movable pressure part arranged within said sleeve and provided with an actuating member carried 70 outside the sleeve through an air-tight connection, said pressure part arranged to exert lateral pressure on one side only of the penis contained in the tubular sleeve, and means for intermittently moving said pres- 75 sure part.

In testimony whereof I affix my signature in presence of two witnesses.

DR. ALWIN ACH.

Witnesses:

ERNEST FLAMRERER,
MATHILDE K. HELD.