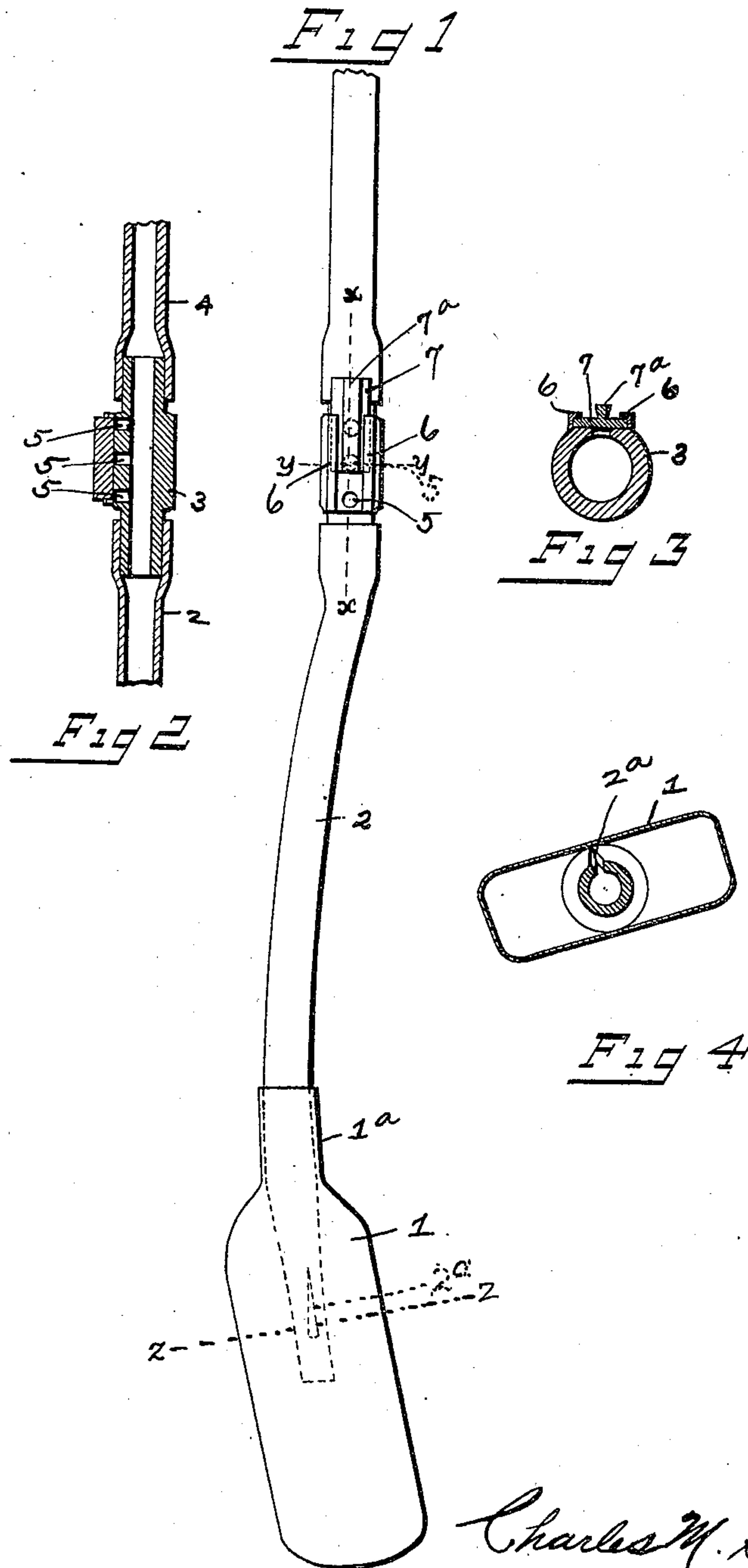


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 DEVICE FOR THE TREATMENT OF RECTAL TROUBLES.
 APPLICATION FILED AUG. 3, 1909.

968,704.

Patented Aug. 30, 1910.



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UNITED STATES PATENT OFFICE.

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DEVICE FOR THE TREATMENT OF RECTAL TROUBLES.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES M. SIEBERT, Jr., a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Devices for the Treatment of Rectal Troubles, of which the following is a specification.

My invention relates to the improvement of devices for the treatment of rectal troubles of that class in which the particular part of the body treated, is subjected to the vibratory or pulsating action of an inflatable sack adapted to be inserted within the rectum. Heretofore the vibratory or pulsating movement of the inflatable sack, has been produced by a hand operated bulb connected therewith, through an air conducting tube and one of the principal objects of my invention is to provide means for connecting the tube which leads to the vibrating member, with a machine of the class in which means comprising an air pump and controlling mechanism are employed for forcing air under pressure through a tubular body and withdrawing the air therefrom, this operation being rapidly accomplished to insure a rapid vibratory movement to the terminal member of the tube.

A further object of my invention consists in providing an improved connection between the terminal member or vibrating sack and the tube which leads to the vibrating machine, in which means are provided for regulating the degree of air pressure in the sack.

These objects I accomplish in the manner illustrated in the accompanying drawing, in which:

Figure 1 is a view in elevation of my improved device, Fig. 2 is an enlarged longitudinal section on line $x-x$ of Fig. 1, Fig. 3 is an enlarged transverse section on line $y-y$ of Fig. 1, and, Fig. 4 is an enlarged section on line $z-z$ of Fig. 1.

Similar numerals refer to similar parts throughout the several views.

In carrying out my invention, I employ an elongated sack-like body 1 of rubber or similar distensible or inflatable material, said sack body being formed at one end with a tubular shank or extension 1^a within which fits closely and through which passes the outer end portion of a section of air conducting tube 2, that portion of said tubing

which is inserted within the sack 1, being formed with an opening 2^a of suitable size.

3 represents a tubular connecting or coupling member one end of which is connected with the remaining end of the tube section 2 and the other end of which is connected with one end of a tube 4, which runs to an air pulsating or vibrating machine. The tubular coupling 3 has its central portion slightly enlarged and formed with a longitudinal external flattened face, through which are formed a plurality of openings 5 which communicate with the central bore or hollow of the coupling 3. On opposite sides of the flattened face of the coupling 3, I provide angular guide ribs 6 beneath the inturned flanges of which is slidably mounted a valve plate 7, the latter being adapted to cover the openings 5 in the coupling body. This valve plate is preferably formed with a suitable longitudinal projection 7^a to facilitate the movement of the valve by hand and permit of said valve being moved so as to cover one or more of said openings 5.

The vibrating machine being in operation and the sack being inserted after the usual manner of devices of this character, it is obvious that air which is forced by the machine through the tube members 4 and 2 and coupler 3, will serve to properly inflate the sack 1 and owing to the fact that air is alternately forced into and withdrawn from said member 1, a rapid vibratory or pulsating movement will be imparted to the sack body, the part being treated thus having imparted thereto a vibratory massage action, the vibrations being much more rapid and uniform than when produced by the usual hand compressed bulb process.

It is obvious that the degree of inflation or distention of the sack 1 may be regulated by moving the slide valve 7 in its guideway to close or uncover one or more of the openings 5.

From the foregoing description, it will be seen that simple and efficient means are herein provided for accomplishing the objects of the invention, but while the elements shown and described are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth, but includes within its purview such changes as may be made within the scope of the appended claims.

What I claim, is:

1. In a device of the character described, the combination with an inflatable sack body and an air conductor leading therein, of a
5 coupling member comprising a tubular body formed with a plurality of valve openings, said coupler being connected with said air
conducting member at one end and with a
second air conductor at the opposite end,
10 and means for closing or opening one or
more of the valve openings in said coupler
body.

2. In a device of the character described, the combination with an air conducting tube, of

an inflatable sack to which said tube leads, 15
and a coupling located in said tube, said
coupling comprising a body portion having
a plurality of openings leading from the in-
terior thereof to the atmosphere, and a man-
ually operable slide valve mounted upon the 20
exterior of said coupling and adapted to
successively close said openings.

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

CHARLES M. SIEBERT, JR.

Witnesses:

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