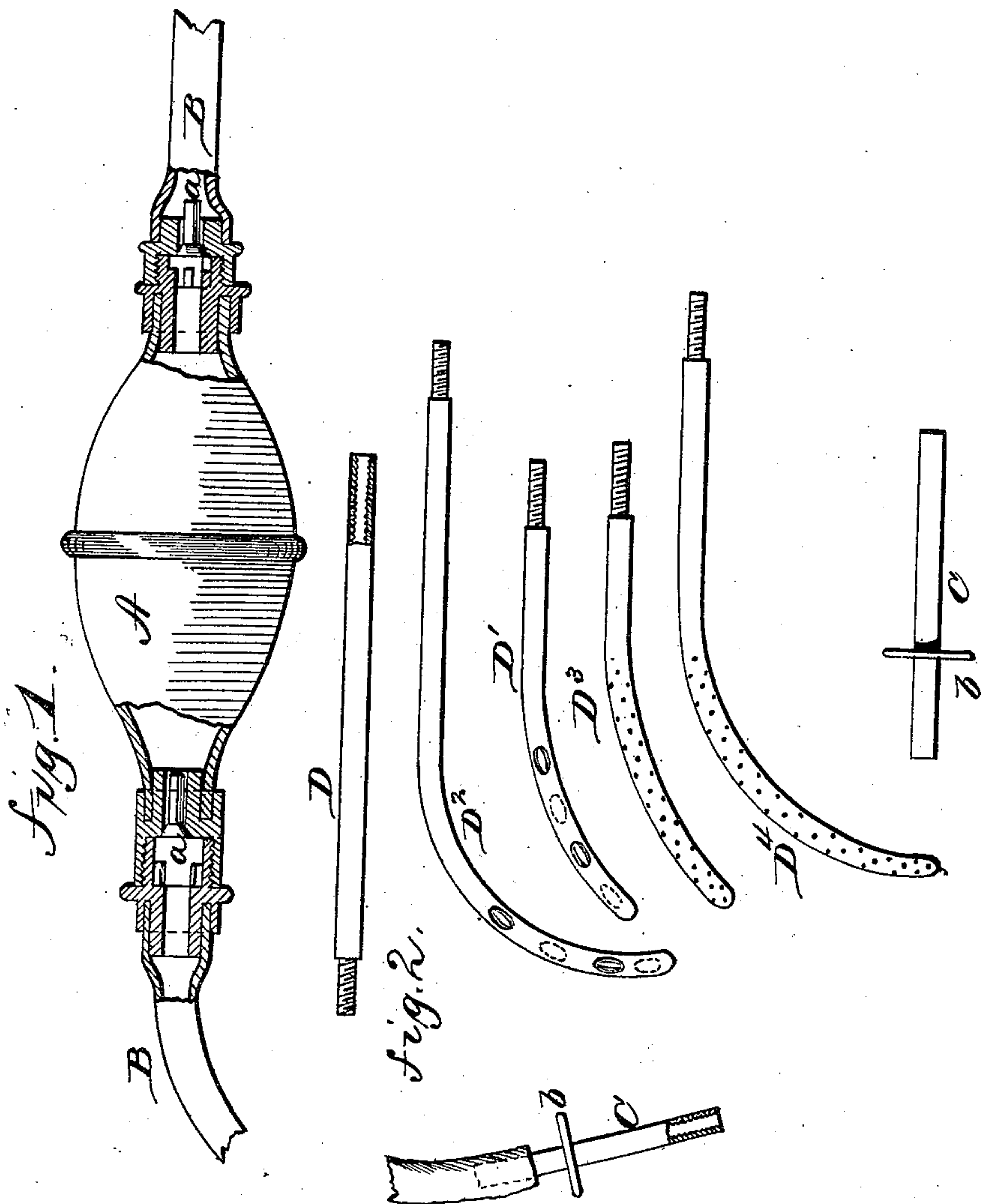


Syringe Attachments.

No. 228,422.

Patented June 1, 1880.



WITNESSES

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UNITED STATES PATENT OFFICE.

SILAS TURNER, OF HOMER, LOUISIANA.

SYRINGE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 228,422, dated June 1, 1880.

Application filed December 2, 1879.

To all whom it may concern:

Be it known that I, SILAS TURNER, of Homer, in the parish of Claiborne, and in the State of Louisiana, have invented certain new and useful Improvements in Medical Instruments; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of a medical instrument for the purpose of relieving the bladder of any pus or coagula that will not pass a common catheter, and also to throw fluids of any kind into the bladder, as will be hereinafter more fully set forth.

In the annexed drawings, Figure 1 is a detailed sectional view of a bulb-syringe with valves. Fig. 2 shows the various parts that are used with the syringe to form my medical instrument.

A represents the rubber bulb, with a valve, *a*, at each end, and a rubber tube, B, connected with each end thereof. Owing to the arrangement of the valves *a a* in the bulb, one of the rubber tubes attached thereto is the suction end and the other the expulsion end.

C C represent two short tubes, which are to be inserted in the ends of the rubber tubes B. Each tube C is provided with a hand-hold, *b*, and the short end from the hand-hold is the one to be inserted into the rubber tube.

D is also a tube, one end of which is arranged to be screwed into the open end of either tube C, and the other end arranged so as to admit catheters or syringes D' D² D³ D⁴.

In using the instrument, when it is desired to draw off the contents of the bladder and thereby secure relief, the tube D is attached to the tube C at the suction end, and to this is attached the male or female catheter D' or D², as may be needed. If force is required to exhaust the contents of the bladder, it can be had by the use of the bulb in the ordinary way. If no force is necessary, then either of

the catheters attached to the tube D, and this removed from the tube C, will form a complete instrument in itself.

When the instrument is to be used for injecting soothing lotions or anything into the bladder, then the tube D is taken from the suction end of the tube and screwed into the tube C at the expulsion end of the tube, and then either the male or female syringe, D³ or D⁴, is screwed into the end of the tube D, and the instrument is ready for use.

With this instrument the entire contents of the bladder can be drawn off without removing the instrument, and thereby avoiding pain otherwise occasioned.

The tube I use is not subdivided into different departments, but the entire inside is open, so that coagulated matter can be more easily drawn from the bladder.

By making the tube in sections, as described, it can easily be changed, so that the curve can be either male or female.

The syringe-tubes D³ D⁴ are perforated with numerous small holes, so that when any spray or medical lotion is thrown into the bladder it is thrown to all the walls or parts of it; whereas when it is thrown in by injecting a liquid it gravitates to the lowest part.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The part C, constructed and adapted to be connected at one end with either tube of a bulb-syringe, and at the other to be connected with the part D or parts D' D² D³ D⁴, or similar instruments provided with means for making such connection, substantially in the way and manner shown and specified.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of November, 1879.

SILAS TURNER.

Witnesses:

M. REES BRYAN,
H. R. FERGUSON.