C. T. Sage,

Syringe.

No. 2,906. Patented Jan. 10, 1843.

Fig. 2.

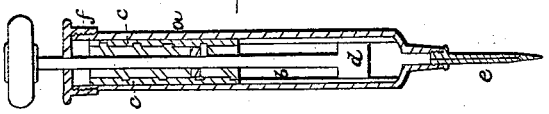
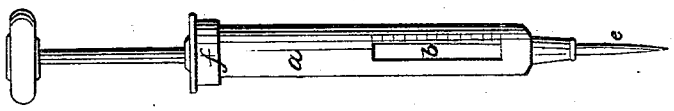


Fig. 1.



UNITED STATES PATENT OFFICE.

CHARLES T. SAGE, OF NEW YORK, N. Y.

CURE OF HERNIA BY MEANS OF INJECTIONS.

Specification of Letters Patent No. 2,906, dated January 10, 1843.

To all whom it may concern:

Be it known that I, CHARLES T. SAGE, of the city, county, and State of New York, have invented a new and useful Improvement in Instruments for the Radical Cure of Reducible Hernia; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1, is a side view; Fig. 2, a sectional drawing.

The nature of my invention consists in forming a syringe for the equal distribution of the irritant when used in producing inflammation in the cure of hernia as follows. In a silver tube (*a*) is inclosed a glass one (*b*) the outer one having a slot cut in one side; on one edge of this slot, is marked an index, for a purpose hereafter described; the glass tube above named extends up about half the length of the outer one; from thence an inner metallic tube (*c*) occupies the space to the top; in the inside of this tube a coarse threaded screw is cut (see section). Into the cylinder thus formed a piston (*d*) works just fitting the bore of the glass tube, when packed; the stem or piston rod has a collar just fitting the tube (*c*) to steady it in its course; and on the side of the rod, a stud projects which works into the screw above named, the bottom of the outside tube is closed, and in it is inserted a pipe (*e*). This pipe is hollow nearly down to the end which is probe pointed. At the sides are three lateral holes just at the base of the solid end. A cap (*f*) can be added to the upper end of the cylinder if desired.

In operating this machine the glass tube is filled with the liquid used for this purpose, as proposed by Dr. Anderson an incision is made down to the inguinal and femoral canal and the probe-formed point of the syringe is introduced and passed along the canal to the neck of the sack, the injection being made (by screwing in the piston as will readily be seen), along the hernial aperture, by means of the three openings in the sides of the probe, the liquid is spread properly over the whole surface. The index above named along the glass tube, enables the operator to inject the liquid in equal proportions along the whole aperture.

What I claim as my invention and desire to secure by Letters Patent is—

1. The combination of the glass tube (*b*) with the outside tube (*a*) having an index on it in the manner described.

2. I also claim the combination with the above the screw-tube (*c*) constructed and arranged in the manner and for the purpose set forth.

3. I further claim in combination with the syringe before specified the probe-shaped-point constructed in the manner herein described.

CHARLES T. SAGE.

Witnesses:
J. J. GREENOUGH,
J. H. GODDARD.