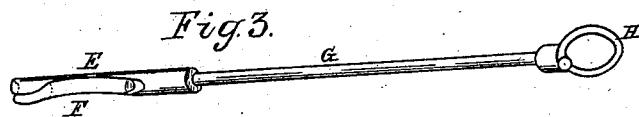
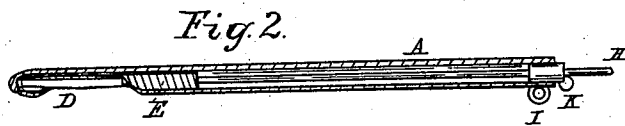
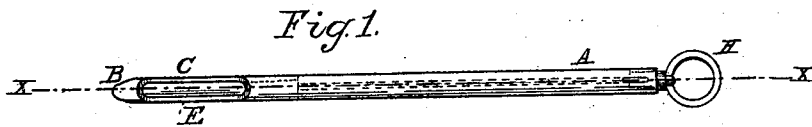


P. J. Frank,
Surgical Instrument.
No. 96,415. Patented Nov. 2, 1869.



Witnesses.

N. M. Almqvist
Hinchman

Inventor:
P. J. Frank
PER [Signature]
Attorneys.

United States Patent Office.

PETER J. FRANK, OF ASHFORD, NEW YORK.

Letters Patent No. 96,415, dated November 2, 1869.

IMPROVEMENT IN INSTRUMENTS FOR CONVEYING MEDICINE TO DISEASED PARTS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, PETER J. FRANK, of Ashford, in the county of Cattaraugus, and State of New York, have invented a new and improved Surgical Instrument; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The object of this invention is to provide a simple and efficient instrument for depositing medicine under the skin, for the treatment of "hernia."

It consists in an arrangement of a hollow depositing-tube, having a side opening at one end, for the reception of the medicine, a revolving cover for the said opening, and a fixed scraper, all so arranged that when the tube, charged with the medicine, is inserted under the skin, the revolving cover may be turned to open the space and discharge the medicine, all as herein-after more fully specified.

Figure 1 represents a side elevation of my improved instrument, in the closed position.

Figure 2 represents a section of the same, in the open position, and

Figure 3 represents a view of the rotating cover, and its operating-stem, detached from the tube.

Similar letters of reference indicate corresponding parts.

A represents a small tube, preferably made of silver, having a closed pointed end, B, and an opening, C, in the side, near the said end.

D represents a scraper, permanently fixed in the interior of the point, and projecting toward the other end in the axis of the tube.

E represents a rotating cover for the orifice C, consisting of a cylinder, fitted to the interior bore of the tube, and grooved, as shown at F, so as to turn around the scraper.

It is provided with a stem, G, whereby it is inserted from the open end of the tube, and it is provided with a ring, H, to facilitate rotating in the tube.

The instrument, thus constructed, is charged with medicine by turning the cover E, so that the medicine will be received in the groove F, through the opening C, and then turning it to the position shown in fig. 1, closing the said opening.

The said instrument is then inserted through an incision in the skin, and the end carefully moved along under the skin to a point exactly over the rupture.

The cover E is then turned to open the passage C, which is adjusted over the rupture, and the turning of the cover C around the scraper D will cause the medicine to fall out and be deposited as required.

The tube A is provided with a ring or loop, I, and the rod G with a projection, K, which indicate, by their relative positions, when the parts are in the proper positions for discharging. Any suitable marks will serve the same purpose.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the tube A, scraper D, revolving cover E, and rod G, when arranged substantially as specified.

PETER J. FRANK.

Witnesses:

D. W. McKOON,
J. D. LARABEE.