(No Model.)

B. H. CAMP.

SURGICAL INSTRUMENT.

No. 358,539. Patented Mar. 1, 1887.

Fig 1.

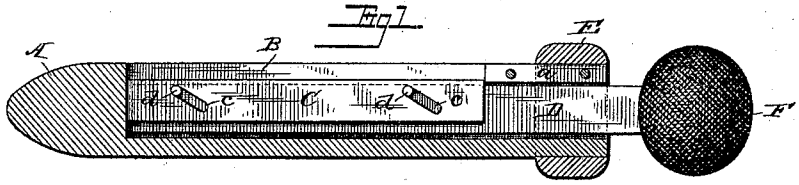
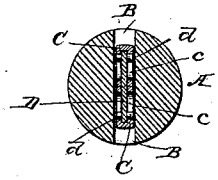


Fig 2.



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UNITED STATES PATENT OFFICE.

BUSHROD H. CAMP, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO WILLIAM H. H. DAVIS, OF SAME PLACE.

SURGICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 358,539, dated March 1, 1887.

Application filed June 7, 1886. Serial No. 204,377. (No model.)

To all whom it may concern:

Be it known that I, BUSHROD H. CAMP, a citizen of the United States, and residing at Boston, Suffolk county, Massachusetts, have invented certain new and useful Improvements in Surgical Instruments, of which the following is a specification.

My invention relates to surgical instruments; and it consists of an instrument adapted for the distribution of ointments and other medicaments upon the internal surfaces of the body, as more particularly described hereinafter.

Referring to the accompanying drawings, Figure 1 is a sectional view of one form of the instrument. Fig. 2 is a cross-section of another form.

The instrument consists of a case, A, of some suitable material—as rubber, metal, &c.—having a rounded or tapering end, and provided with one or more longitudinal slots, B B, in its surface. In these slots are pistons or slides C, capable of lateral movement in and out toward the surface of the tube.

Various means may be used for causing the pistons to move inwardly and outwardly, and, as shown in Fig. 1, the preferred means consists of a rod, D, extending to the end of the case and fitting a slot in the piston and having pins *d*, extending laterally into inclined slots *c* in the sides of the piston. A stop-piece, *a*, is secured to or forms part of the case, against which the end of the slide or piston bears, and a ring or enlargement, E, is preferably provided on the end of the case. The rod D is provided with a suitable handle or knob, F, which is preferably rounded and provided with a roughened surface.

Such being the preferred form of construction, the operation of the device is obvious. The medicament is placed in the side opening or slot in the body portion of the instrument, the piston being normally depressed, and the instrument is then inserted, distending the parts more or less, as desired. The rod D is then gradually withdrawn, preferably by simply pressing the thumb or finger between the ring and knob, and the piston is forced outwardly, displacing the ointment or other medicament, and by turning the instrument the medicament may be applied to the parts as desired.

It is evident that my invention is not limited to the precise construction shown, as the case may be of any desired shape and size, the recesses may be on one or more sides and may extend to a greater or less length, and the means for forcing the piston out may be varied in a manner evident to any skilled mechanic, cams, levers, or similar devices being substituted for the inclined slots and pins, the gist of my invention consisting in an instrument having a recess in its side and means for gradually forcing the medicament laterally from the recess when the instrument is in place.

What I claim is—

1. An instrument consisting of a case having a side recess or opening adapted to receive a medicament, and a piston arranged within said recess or opening for forcing the medicament from the case upon the lateral movement of the piston, substantially as described.

2. An instrument consisting of a recessed case, a laterally-moving piston, a sliding handle, and connections between the handle and piston, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BUSHROD H. CAMP.

Witnesses:

W. H. H. DAVIS,

GEO. A. DARY.