

S. L. SELLECK.
SURGICAL INSTRUMENT.
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1,059,493.

Patented Apr. 22, 1913.

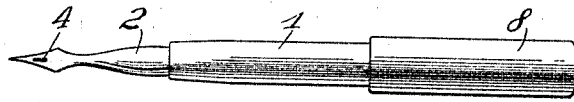


Fig. 1

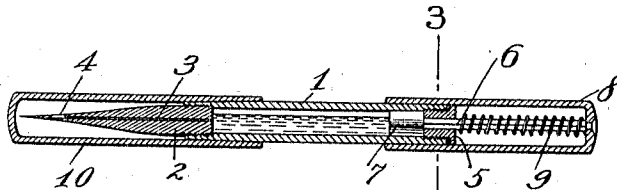


Fig. 2

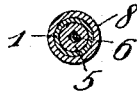


Fig. 3

Witnesses:
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UNITED STATES PATENT OFFICE.

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SURGICAL INSTRUMENT.

1,059,493.

Specification of Letters Patent.

Patented Apr. 22, 1913.

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To all whom it may concern:

Be it known that I, SAMUEL L. SELLECK, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Surgical Instruments, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

10 My invention relates to what may be called a surgical instrument, in which instrument the operating portion is supplied with an antiseptic solution.

15 The device herein disclosed, comprises a body portion upon which is mounted the operating portion of the instrument. Within the body portion is confined an antiseptic solution, the solution being conveyed by means of a suitable duct to a point very near the operating portion of the instrument. In addition, a plunger is provided for the purpose of more effectively expelling the antiseptic solution.

25 The instrument may be used to remove splinters or other foreign substances which may find lodgment under the skin of an individual, and, again, it may be used to remove particles from between the teeth; that is to say, as a tooth pick, in all of which instances it will perform an additional function besides its regular one, namely, that of supplying an antiseptic solution to the parts upon which it is used. The device will probably find its most important use as an antiseptic tooth pick.

35 Generally speaking, the invention comprises the elements and combinations thereof set forth in the accompanying claim.

40 Reference should be had to the accompanying drawings, in which:—

Figure 1 is a top plan view of the instrument; Fig. 2 is a central vertical section; and Fig. 3 is a cross section upon the line 3—3 of Fig. 2.

45 In the drawings, 1 represents the body portion of the instrument, which, as shown, is tubular, although the body portion might assume other forms, where desired. Both ends of the body portion are screw threaded upon the interior wall for a short distance.

50 At one end of the body portion is located what I denominate the operating portion 2 of the instrument, which operating portion may be shaped as shown in Fig. 1, being brought to a point at one end and screw threaded at its opposite end for the purpose

of engaging with screw-threads in one end of the body portion 1. Through the part 2 is a duct 3 which communicates with an opening 4 in the outer end of portion 2, so that the antiseptic solution passing through the duct 3 will be supplied to the instrument substantially at the point thereof.

At the opposite end of the body portion 1 to that which has just been described, a plug 5 is screw-threaded into the end. A square opening extends through the plug 5 and a rod 6 likewise square in cross section is provided to reciprocate through the opening. Within the body portion 1 and having a substantial fit with the wall thereof, is a plunger 7 which is secured upon the end of rod 6.

75 The rod 6 extends somewhat beyond the plug 5 and at its upper end is secured to a tubular casing member 8. The member 8 is of the same general conformation as the body portion 1, and the lower portion of the member 8 surrounds the end of the body portion 1, and has a sliding engagement.

80 A spring 9 surrounds the rod 6 and at one end bears against the plug 5 and at its opposite end against the member 8. It will be apparent that by depressing the member 8 the plunger 7 will force a portion of the antiseptic solution within the body member or reservoir 1 through the duct 3 and out upon the point of the member.

85 In order to protect the operating portion 2 and its point, I provide a cap 10 which is intended to slide over the end portion of the body 1, the end of the body being tapered as shown in Figs. 1 and 2, and the cap being complementarily tapered as shown in Fig. 2, so as to form a tight joint and to hold the cap away from the point.

90 It will be apparent from the above description that I have provided an instrument which, in addition to performing its function of removing foreign substances from the teeth or skin, will supply to the affected parts an antiseptic solution. The instrument is self-contained and in use requires but one hand of the operator, leaving the other hand free to use as desired.

105 Having thus described my invention, what I claim is:—

In a device of the character described, the combination with a hollow cylindrical body portion having interior threads at each end and the exterior of said body portion adjacent to one end thereof being tapered, of

an operating portion threaded into one end of said body portion and provided with an operating point, said operating portion having a longitudinal duct therein communicating with said point and the interior of said body portion, a plug secured into the opposite end of said body portion and having an axial prismatic bore, a plunger within said body portion and having a prismatic stem extending through said bore, a cylindrical tube fitted slidably about said body portion at one end, one end of said tube being closed, and said stem being connected to said closed end, a spiral spring surrounding said stem between said plug and said closed end, and a cap having a tapered end adapted to seat upon the tapered end of said body portion to inclose and protect said point.

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

SAMUEL L. SELLECK.

Witnesses:

A. J. HUDSON,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."