A. A. ANZELEWITZ.

SALIVA EJECTOR.

APPLICATION FILED APR. 24, 1914.

1,116,868.

Patented Nov. 10, 1914.

Fig. 1.

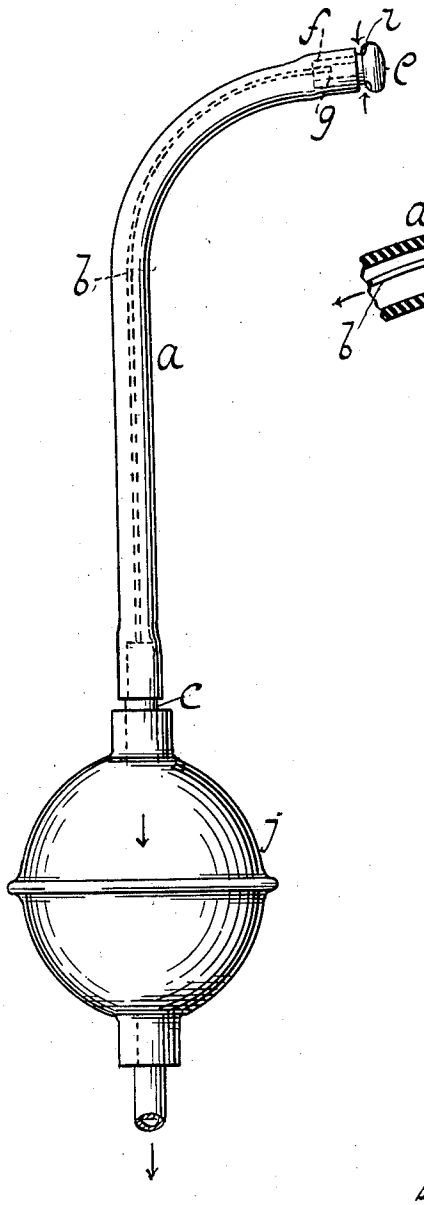


Fig. 2.

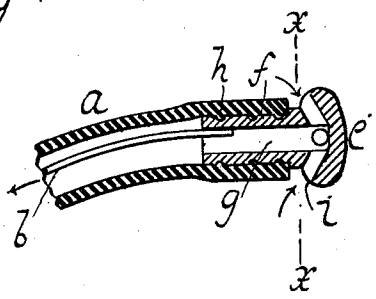


Fig. 3.

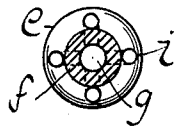
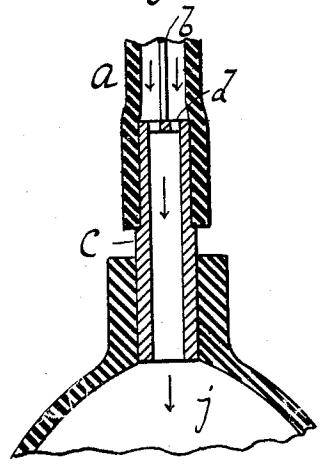


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

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SALIVA-EJECTOR.

1,116,868. Specification of Letters Patent. Patented Nov. 10, 1914.

Application filed April 24, 1914. Serial No. 834,056.

To all whom it may concern:

Be it known that I, ALEXANDER A. ANZELEWITZ, a citizen of the United States, residing at New York, county of New York, and State of New York, have invented new and useful Improvements in Saliva-Ejectors, of which the following is a specification.

My invention relates to a new and improved saliva ejector for use by surgeons and dentists, principally by the latter. Heretofore these ejectors have been made with a pipe constructed either of metal or glass. These are undesirable for the reason that the glass is apt to break and the metal is apt to be heavy. Being made of rigid material, they of course cannot be bent to fit the different configurations often times required by the varying shaped mouths of different individuals.

My invention consists essentially of a pipe constructed of rubber or similar material and having a member on the inside thereof, preferably of material which can be bent or flexed into any shape and the pipe will hold the shape into which it is bent.

My invention is more particularly described in the accompanying specification and drawing in which:

Figure 1 is a side view of an ejector embodying my invention. Fig. 2 is an enlarged view of the improved mouth piece. Fig. 3 is a sectional view taken along the line *x x* of Fig. 2. Fig. 4 is a detail sectional view of the lower end of the pump which enters the bulb.

The ejector consists essentially of a rubber tube *a*. Into this tube is a metal member *b* made preferably of pure copper wire, which is soft enough to be bent into any required position and yet retain its shape after being so bent. The lower end of this copper wire is secured to a tubular coupling *c* having an aperture *d* through which the saliva can be drawn and flow into a receptacle. At the upper end of the pipe or tube is a mouth piece or tip *e* which is of course smooth and round in form and having a neck *f* of less diameter than the mouth piece. This neck has an opening *g* into which the wire member *b* sets. The neck *f* also has depressions *h* formed in it which constitute a sort of screw thread. The neck *f* is made of substantially the same size as the inside of the tube *a* and the tube *a* is forced over the neck *f* and the thread like corrugations *h* serve to grip or hold the tube *a* tightly on the neck *f*. On the under side of the mouth piece *e* is formed a series of openings or holes *i*. Attached to the lower end of the pipe *a* is a bulb *j* of usual construction which is pressed to form a suction to draw off the saliva.

The operation of the device is as follows: The end of the pipe with the mouth piece *e* is placed into the mouth of the patient and the saliva entering the holes *i* of the mouth piece *e* runs into the opening *g* of of the neck *f* and so on down the tube and into the opening *d* into a receptacle.

As shown in the drawing the suction is created at the mouth of the device by means of a compressible pump, but any well known means may be employed for example the lower end of the device may coact with a fountain cuspidor and a suction thus created.

I claim:

1. In a saliva ejector the combination with a flexible tube, of a tubular coupling carried by the tube, and yielding means secured to the coupling and co-acting with the mouth of the tube for holding the tube in a flexed position.

2. In a saliva ejector the combination with a flexible elastic tube, of a mouth piece mounted in the upper end of the tube, a tubular coupling inserted in the lower end of the tube, and a pliable wire member secured to the coupling and co-acting with the mouth piece to hold the tube in a flexed position.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ALEXANDER A. ANZELEWITZ.

Witnesses:
CHRISTIAN H. ALMSTAEDT,
HAZEL V. MCELROY.