

J. C. FLAGG.
 EMBALMING TUBE.
 APPLICATION FILED JAN. 23, 1907.

1,008,128.

Patented Nov. 7, 1911.

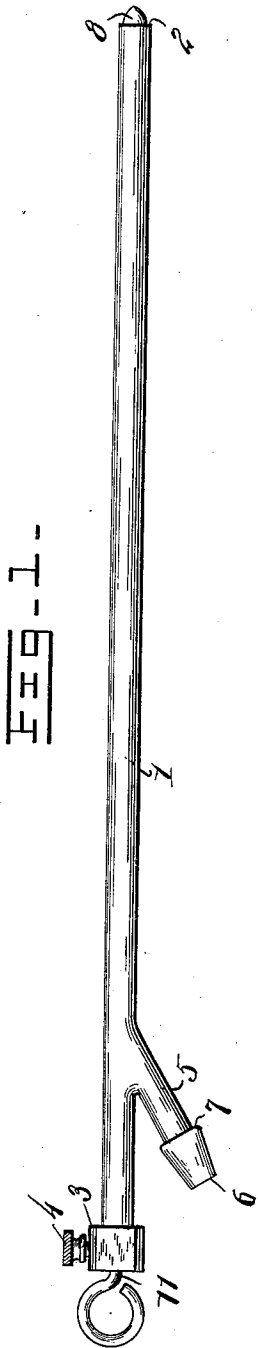


FIG. 1--

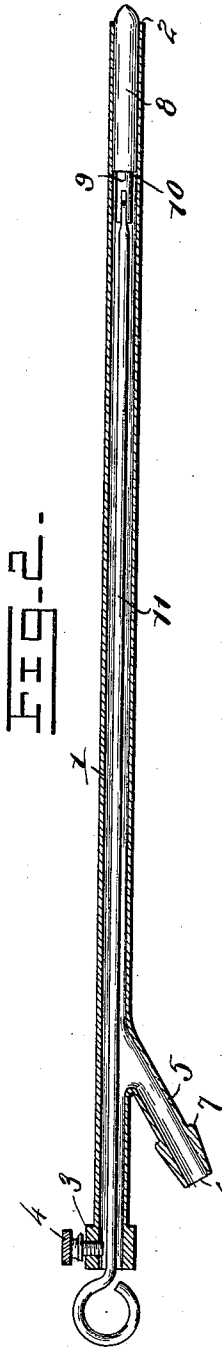


FIG. 2--

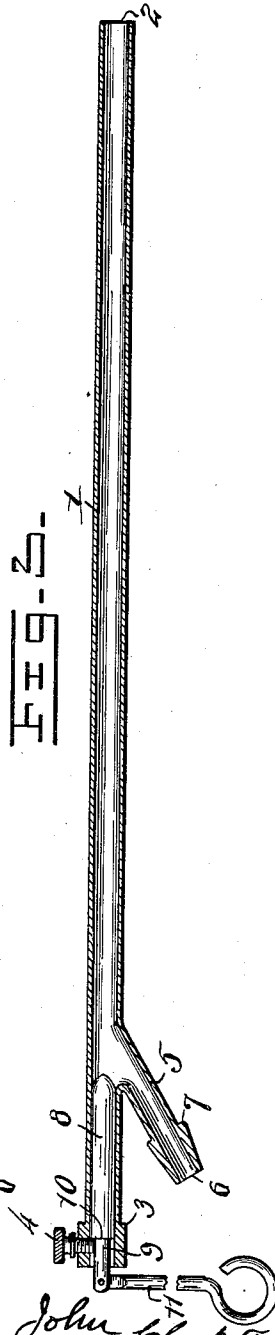


FIG. 3--

Witnesses
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JOHN CLARK FLAGG, OF RICHMOND, MAINE.

EMBALMING-TUBE.

1,008,128.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN CLARK FLAGG, a citizen of the United States, residing at Richmond, in the county of Sagadahoc and State of Maine, have invented certain new and useful Improvements in Embalming-Tubes, of which the following is a specification.

My invention relates to embalming apparatus and has for its object the production of a tube or catheter used for the purpose of draining the arteries and veins of the human body prior to the operation of embalming.

In the drawings: Figure 1 is a plan view of the device. Fig. 2 is a longitudinal vertical sectional view of the same. Fig. 3 is a similar view with the plunger extended or withdrawn from the main part of the tube.

1 represents the tube which I make in three sizes, open at both ends. While I have shown the inlet end 2, of the same diameter as the body of the tube it will, of course, be understood that I may, if I prefer restrict this inlet or draw the tube to a point which of course will be perforated.

3 is an offset at one end of the tube having a screw threaded opening in which a set screw 4 is secured, said screw being of sufficient length to extend a short distance within the tube for a purpose to be hereinafter specified.

5 is a branch or elbow formed integral and communicating with the tube 1, and provided with a tapered end 6, and shoulder 7 over which a rubber tube may be slipped and firmly secured as will be readily understood.

8 is a plunger of a diameter insuring a snug sliding fit within the tube 1, whereby the flow of blood past it is prevented. This plunger is preferably pointed at one end and in its closed position extends beyond the end 2 of the tube to facilitate the insertion of the tube within the artery or vein.

9 is a rearward extension of the plunger of less diameter than the plunger thus forming a shoulder 10 adapted to engage the screw 4 to prevent the accidental withdrawal of the plunger from the tube while it is in use. The extension 9 is provided with a split end in which an operating rod 11 is pivoted whereby said arm may fall down out of the way when the tube is in use, as shown in Fig. 3.

After raising and opening the vein or artery the tube is inserted, with the plunger

in the tube the full length of the rod, as shown in Fig. 1, ligature is then passed around the artery or vein and around set screw 4 at end of the tube holding the tube in vein; a rubber drawing tube is secured to the elbow 5 leading to a suitable receptacle. The plunger is then by means of the rod, withdrawn from the main body of the tube until the shoulder 10 strikes the set screw 4 which prevents further rearward movement and accidental withdrawal of the plunger from the tube. When in this position the plunger is between the elbow tube and the set screw thus leaving the interior of the tube from its end 2 to the elbow free and unobstructed whereupon the blood from the artery or vein is free to flow through the tube and its elbow to a suitable receptacle but is prevented from flowing through the tube beyond the elbow by reason of the fact that the plunger is still in the tube and completely closes the outer end thereof, thus stopping the flow of blood from the outer end of the tube, but allowing the blood to pass freely from the elbow.

Should the tube become clogged with coagulated blood before a sufficient amount has been removed, the tube may be cleaned by inserting the plunger the full length and then drawing it back its full length until it is arrested by the set screw 4.

If for any reason it is desirable or necessary to stop the flow of blood the plunger is inserted its full length as shown in Fig. 1.

While I have particularly described my invention as adapted for embalming it will, of course, be understood that it may be used as a catheter for any kind of drawing purposes for the human body.

What I claim and desire to secure by Letters Patent is:

In a catheter for draining and embalming purposes, the combination with a tube open at both ends and provided with an outlet intermediate its ends, of a plunger in said tube adapted to alternately close the respective ends of said tube and a hinged rod to manipulate said plunger whereby the flow of fluid through said tube is regulated.

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

JOHN CLARK FLAGG.

Witnesses:

JAMES O. ROBERTS,

WILLIAM R. FAIRCLOUGH.