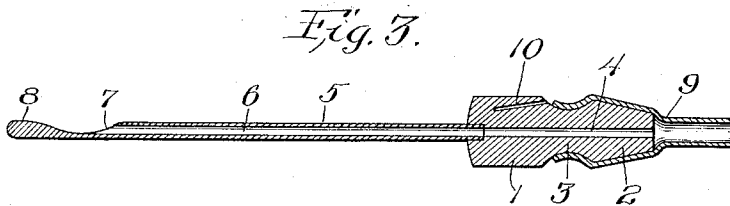
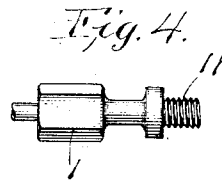
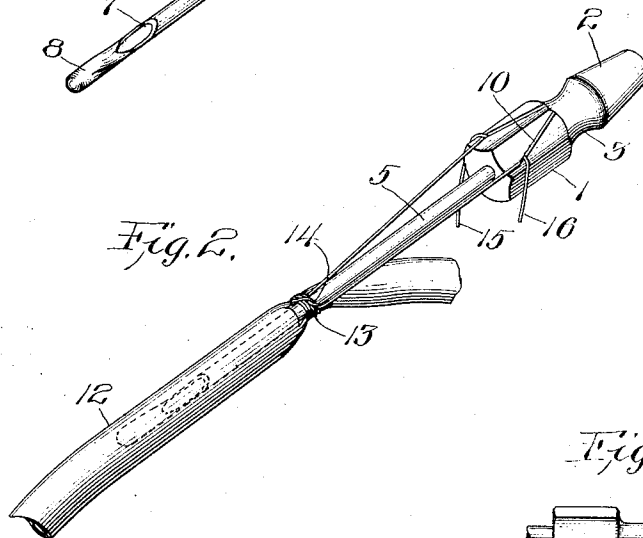
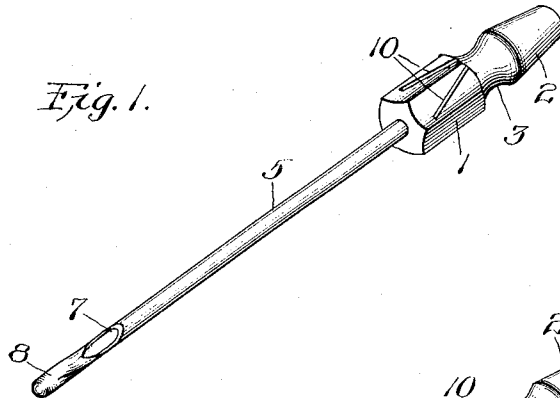


F. W. DAVIS.
ARTERIAL TUBE.
APPLICATION FILED APR. 5, 1913.

1,109,626.

Patented Sept. 1, 1914.



Witnesses:

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Atty.

UNITED STATES PATENT OFFICE.

FREDERICK W. DAVIS, OF CHICAGO, ILLINOIS, ASSIGNOR TO FRIGID FLUID COMPANY,
OF CHICAGO, ILLINOIS.

ARTERIAL TUBE.

1,109,626.

Specification of Letters Patent.

Patented Sept. 1, 1914.

Application filed April 5, 1913. Serial No. 759,165.

To all whom it may concern:

Be it known that I, FREDERICK W. DAVIS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Arterial Tubes, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to arterial tubes such as are used more particularly for embalming purposes in order to serve for the introduction of embalming fluid into an artery of the system.

My invention contemplates the provision of improved means to permit the artery to be tied thereto and to accommodate the free ends of the tying string.

I will explain my invention more in detail by referring to the accompanying drawing in which:

Figure 1 shows my improved device in perspective; Fig. 2 shows the same device as having been introduced into an artery; Fig. 3 is a cross-sectional view, and Fig. 4 is a side view of a modified form of the device.

Referring to the drawing, I show my improved arterial tube as consisting of a body portion 1 having a rearwardly extending cone shaped extension 2 with an intervening portion 3 of lesser cross-section. This body portion 1 has an opening 4 therethrough which is open at the right hand extremity but which communicates with a tube 5 fastened to the body portion, which tube 5 has an opening 6 so that the ducts 4 and 6 register. The duct 6 ends at 7, but the element 5 is continuous beyond this opening to form what I might call a probe point 8 having practically the same diameter near its extremity as the diameter of the tube 5. This probe point 8 as will be seen is rounded at its extremity. The elements 2 and 3 of the body portion have their outline preferably to accommodate a tube 9 connected with some source of supply for the introduction of fluid through the ducts 4 and 6. The body portion 1 also is provided with a ligat-

ing slit 10 adapted to accommodate strings or cords as will presently appear.

In Fig. 4 I show a modification in which the body portion 1 is provided with an extending screw threaded portion 11 to permit the attachment of suitable coupling devices thereto. Now when my device is to be used an artery 12 is slit longitudinally or crosswise as the case may be and the probe point 8 is inserted in the opening. This probe point by being rounded does not injure the inner coats of the artery but enters freely without pushing these coats ahead of it and introduces the opening or nozzle portion 7 into the artery beyond the cut. Thus the interior of the artery is not obstructed and free passage of fluid is guaranteed from the opening 7 into the interior of the artery. Now in order to hold the artery firmly in place and close the same about the arterial tube, I use a string 13 which I wind around the cut end of the artery below the cut and then tie these strings preferably into one knot as shown at 14, whereafter the free ends 15 and 16 of this string are drawn upwardly along the arterial tube and slid into the ligating slit 10 which holds these strings in place and maintains all of the parts in proper condition so that fluid introduced through the duct 4 may properly enter the artery.

I have thus described one of the forms which my invention may take but it will of course be understood that many modifications may be made from the structure disclosed without departing from the spirit of my said invention.

Having however thus described a form which my invention may take, what I claim as new and desire to secure by Letters Patent is:

1. An arterial tube for inserting embalming fluid having a tube adapted for insertion into a flexible pipe, a cord for binding said flexible pipe to said tube, and means upon said tube to securely hold the free ends of said cord, said means consisting of a slit.

2. An arterial tube for inserting embalming fluid comprising a body portion having

a duct longitudinally therethrough, a slit provided upon said body portion for holding free ends of binding cords, a hollow tube mounted upon said body portion and having
5 its hollow interior register with the duct of said body portion.

In witness whereof, I hereunto subscribe

my name this 23rd day of January, A. D., 1913.

FREDERICK W. DAVIS.

Witnesses:

WILLIAM DONKER,
ADELBERT R. KRUM.