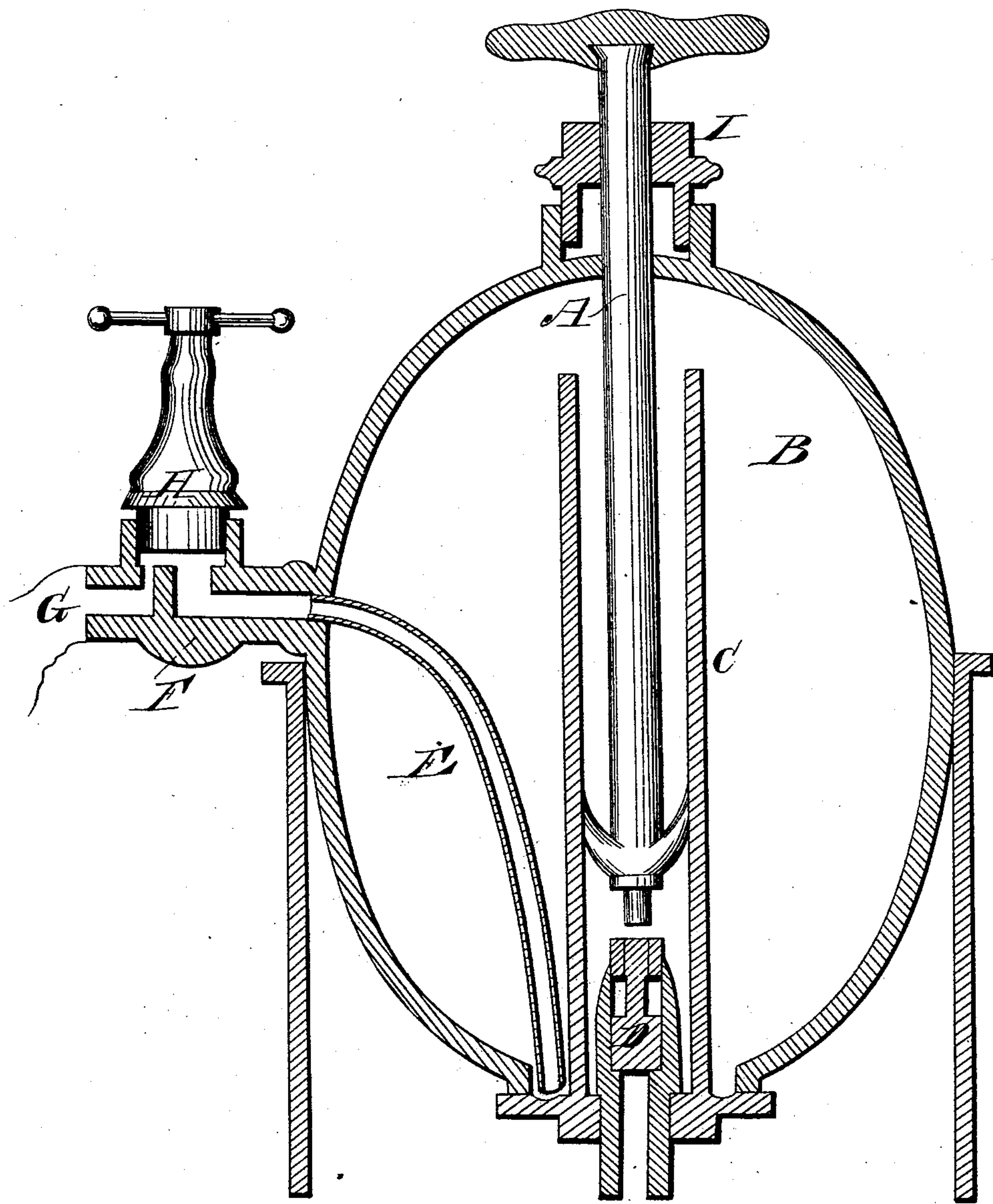


T. HOLMES.

Apparatus for Filling Blood Vessels of Dead Bodies.

No. 33,885.

Patented Dec. 10, 1861.



Witnesses:  
Samuel Peigar  
Geo B Hamilton

Inventor  
Tho Holmes M D

# UNITED STATES PATENT OFFICE.

THOMAS HOLMES, OF WILLIAMSBURG, NEW YORK.

## IMPROVEMENT IN EMBALMING.

Specification forming part of Letters Patent No. 33,885, dated December 10, 1861.

*To all whom it may concern:*

Be it known that I, THOMAS HOLMES, of Williamsburg, county of Kings, and State of New York, have invented new and useful Apparatus for Filling Blood-Vessels of Dead Bodies; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the arrangement and combination of a regulating-spigot with an air-chamber containing a piston, cylinder, ejecting-pipe, valve, and discharge-pipe, which are placed over a vessel containing a fluid. The piston pumps up the fluid and forces it through the ejecting-pipe and spigot (which operates as a regulator) into a discharge-pipe, which is inserted and fastened to an artery in one of the limbs of a body. The fluid is then injected through all the vessels of the aorta and veins of the corpse or dead body.

To enable others skilled in the art to make and use my invention, I will proceed to describe it.

A represents the piston; B, the air-chamber; C, the cylinder in which the piston operates; D, the valve; E, the ejection-pipe which conducts the fluid through the spigot F into a discharge pipe or tube G, which I connect to a blood-vessel of a dead body.

The spigot F acts as a regulator of the flow of the fluid, the top or screw part H being

raised or lowered to diminish or increase the quantity of fluid; I, the stuffing-box to prevent the air from escaping.

The ejecting-instrument is placed over a pail containing about a gallon of a fluid mixture. The fluid is drawn up by the drawing up of the piston A. The packing or lower end of piston is made of a piece of buckskin that opens like an umbrella as the piston is drawn up and shuts as the piston is again pressed down, operating as a valve. Thus the fluid passes up through the valve D as the valve D rises, and is carried up the cylinder C by the buckskin valve or point of piston A, thence into the chamber B, and is forced through the ejecting-pipe E.

By this invention I do not in anywise mutilate or deface the body to embalm it. I merely open an artery and inject a fluid which penetrates and permeates all the blood-vessels of a corpse, which frees it of all offensive odor and keeps it in an excellent state of preservation.

I do not claim the devices of a force-pump or ejecting-instrument, as they are well-known; but

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the chamber B, inclosed pump C, and regulating stop-cock H, in the manner and for the purposes stated.

THOS. HOLMES.

Witnesses:

J. FRANKLIN REIGART,  
JOHN HOLLINGSHEAD.