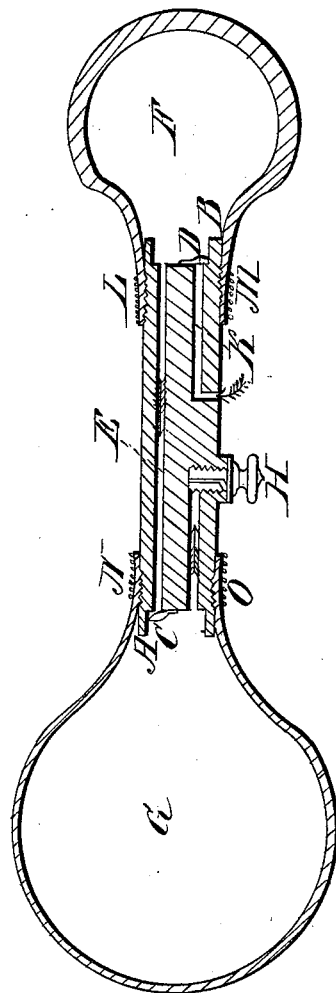


A. B. Haile,

*Arresting Internal Hemorrhage,
No. 6,796, Patented Oct. 16, 1849.*



UNITED STATES PATENT OFFICE.

A. B. HAILE, OF NORWICH, CONNECTICUT.

INSTRUMENT FOR ARRESTING HEMORRHAGE FROM INTERNAL ORGANS OR CAVITIES.

Specification of Letters Patent No. 6,796, dated October 16, 1849.

To all whom it may concern:

Be it known that I, ASHBEL BRADFORD HAILE, of Norwich, in the county of New London and State of Connecticut, have invented a new and useful obstetrical and surgical instrument for the purpose of arresting hemorrhage from various of the cavities or canals of the human body, opening externally, viz., the nose, the rectum, and primarily and principally the uterus in females; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawing, making a part of this specification.

The drawing represents a longitudinal section of the instrument which consists of an elastic and distensible (say india rubber) bag, sack, or bottle G, connected with an apparatus for distending the said bag G with air or other available fluid to the desired extent. The apparatus for distending the bag may be of various forms. The one I have selected as the most convenient consists of a kind of forcing air pump, represented in the figure by A, B, F. The cylinder A B, contains the air passages and valves and is firmly wound at N C to the bottle or bag G. F represents a thick gum elastic bottle (also attached firmly to the cylinder A B, at L M,) the elasticity of which is sufficient to recover its form after having been compressed by the hand.

E represents the air passage from F to G and C its valve to prevent the return of the air to F.

K represents the feeding passage through which the air enters F and D its valve.

i represents the escape passage from G which is closed by the milled headed screw at H. Now if the bottle F be alternately compressed and relaxed the air entering through k will be forced through E into G thus accumulating in and distending G. If the vent i be opened by turning the screw at H the accumulated air at once escapes and the bottle G collapses.

The mode of applying the instrument is thus. Open the vent i by turning the screw H and compress and fold up the bag G and introduce it into the cavity from which the blood issues. Then turn the screw H so as to close perfectly the vent i. Then distend the bag G by forcing into it air from the bottle F until you have obtained the desired degree of pressure upon the walls of the bleeding cavity.

To remove the instrument. Open the vent i by turning the screw H. G at once collapses and is easily withdrawn.

What I claim as my invention in the foregoing described instrument is,

The application of an elastic and distensible bag, sack or bottle to various of the canals or cavities of the human body opening externally and the subsequent distension of the same by forcing into it air or other available fluid for the purpose of arresting hemorrhage, and this do I desire to secure by Letters Patent.

ASHBEL BRADFORD HAILE.

In presence of—

JOHN A. ROCKWELL,
JOHN D. PARKS.