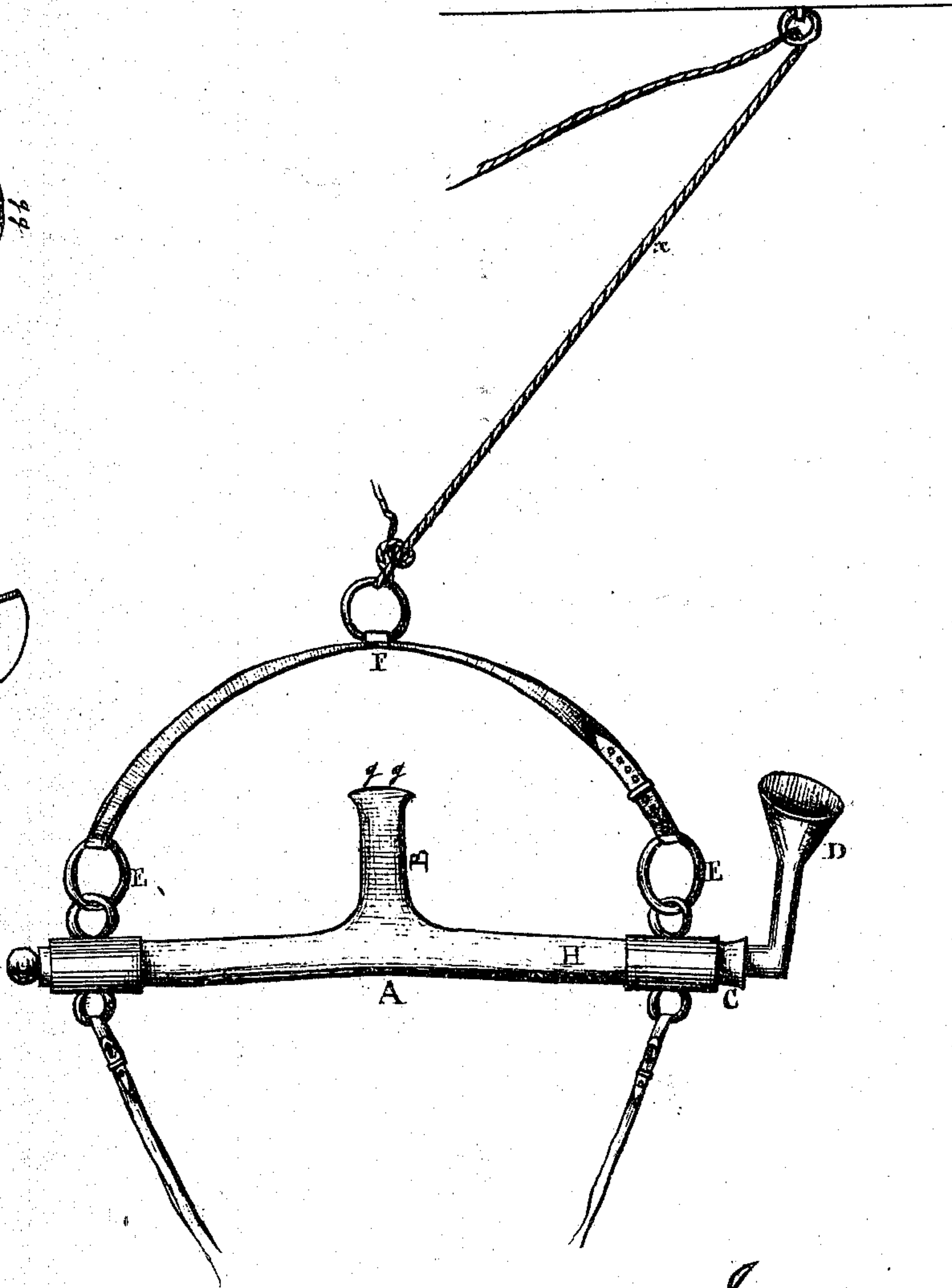
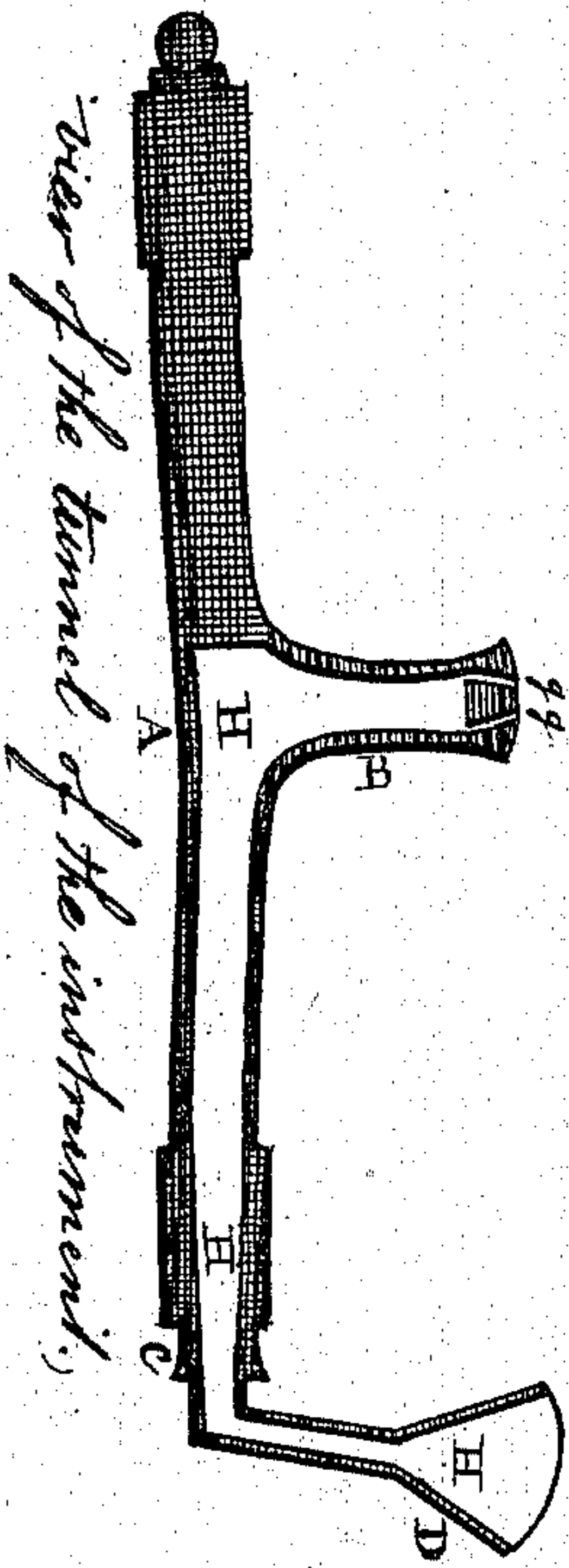


*H. A. Brandes,*

## *Arts for Giving Fluids to Animals.*

No. 104416.

*Patented June 21. 1870.*



Witnesses;

Xavier Karcheski  
Cathy M. Kelly.

Inventor

H. A. Brandes,  
Veterinary Surgeon



# United States Patent Office.

HENRY ADOLPH BRANDES, OF NEWARK, NEW JERSEY, (FRANCIS H. I. BOSCH, EXECUTOR.)

*Letters Patent No. 104,416, dated June 21, 1870.*

## IMPROVEMENT IN INSTRUMENTS FOR GIVING FLUID MEDICINES TO ANIMALS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, HENRY ADOLPH BRANDES, veterinary surgeon, of 121 Market Street, in the city of Newark, in the county of Essex, in the State of New Jersey, have invented a new, improved, and useful Instrument for Administering Fluid Medicines to horse, mule, ass, cow, or any other animal; 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 and to the letters of reference marked thereon.

The nature of my invention consists in providing a hollow, or partly hollow instrument, made of wood, metal, caoutchouc, gutta-percha, or any other hard or pliable substance, in the shape of a horse-bit, as per figure A, with a hollow or partly hollow tongue, extending from it in the direction of the animal's throat, as per figure B, and provided on the extension C with a funnel, D, into which the fluid is poured.

To secure the instrument in the animal's mouth, it is only necessary to attach it to any ordinary bridle or halter by the rings E E.

This instrument is provided with a nose-strap and ring, F, to which a rope, attached, and drawn through

the ring in the ceiling of the stable, or thrown over a beam, or between prongs of a pitch-fork, or branch of a tree, or any elevated object above the animal's head will enable the operator to raise its head easily by a pull at the other end of the rope. The fluid is then poured into the funnel; it traverses the tunnel of the bit H, and issues through conical openings in the tongue *g g*, in the line of the animal's throat.

By the use of this instrument the animal swallows the medicine easily, avoids the danger and wounds from broken glass, if administered from a bottle, is less liable to choke, or absorb the medicine into the lungs, and, lastly, swallows a full dose without any loss.

I do not claim as my invention a hollow perforated bit for conveying water; but

I do claim as my invention and desire to secure by Letters Patent—

The combining of a hollow bit with a projecting tongue with orifices and a funnel for giving medicines, all as described.

H. A. BRANDES.

Witnesses:

OTTO MOLTEY,  
XAVIER KARCHESTIE.