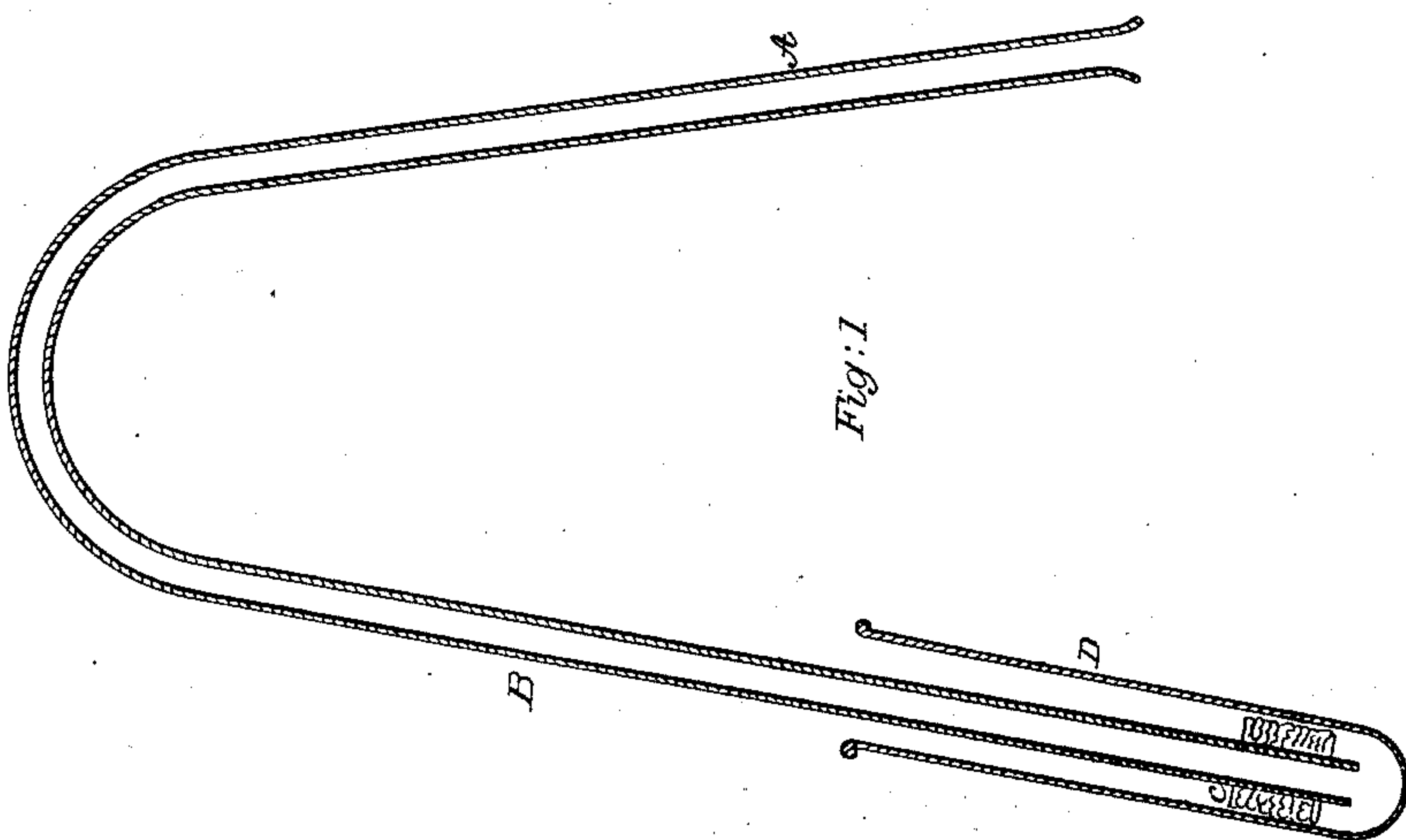
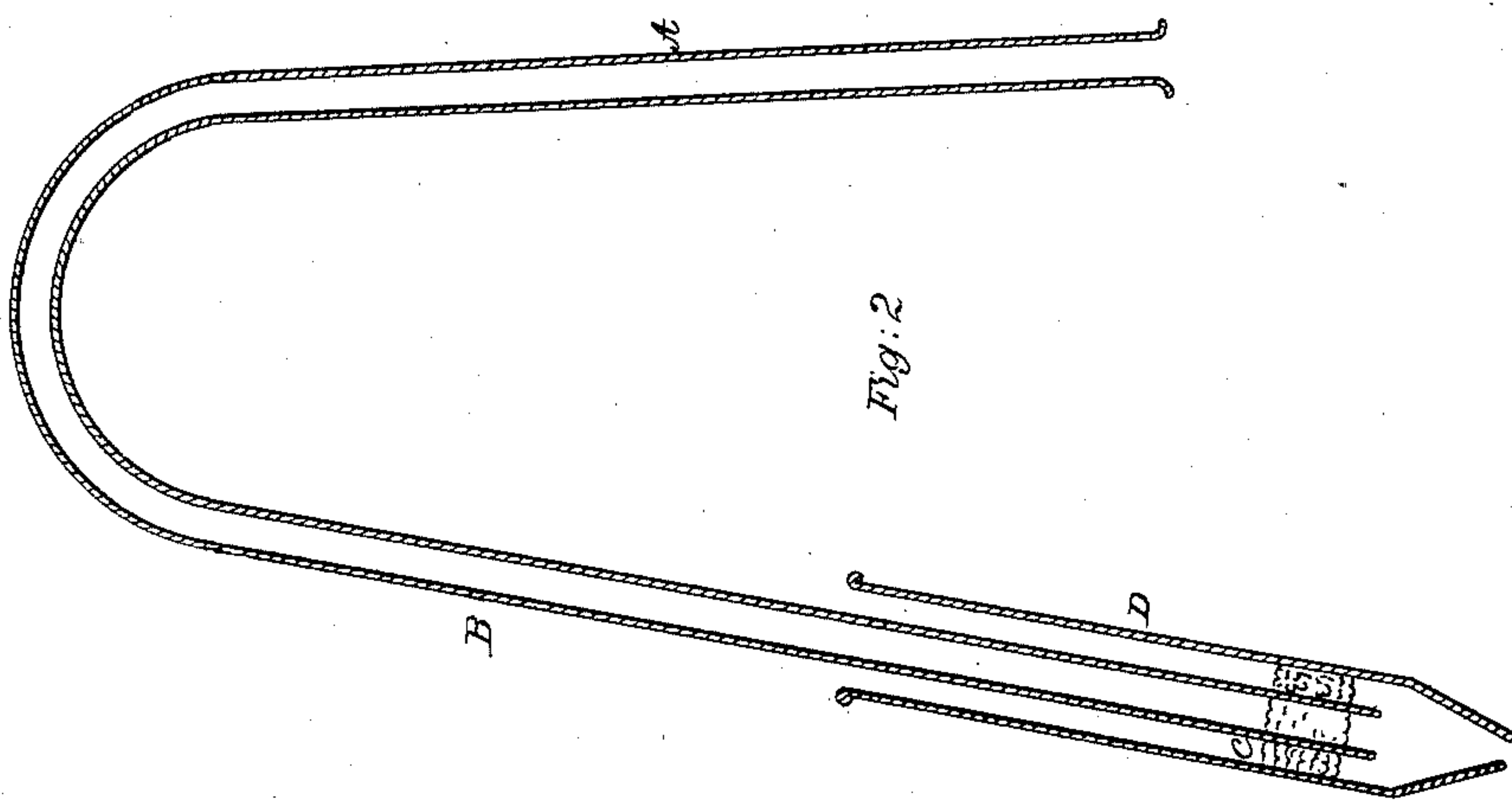


*S. Lenher,*

*Syrhon,*

*N<sup>o</sup> 11,867.*

*Patented Oct. 31, 1854.*



# UNITED STATES PATENT OFFICE.

SAMUEL LENHER, OF PHILADELPHIA, PENNSYLVANIA.

## ATTACHMENT TO SIPHONS.

Specification of Letters Patent No. 11,867, dated October 31, 1854.

*To all whom it may concern:*

Be it known that I, SAML. LENHER, of the city and county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Siphons, Peculiarly Adapting them to Drawing Corrosive Liquids; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification.

The siphon may be constructed of any material, but for corrosive liquids, glass is the best; its form or bend is not important.

A is the short leg and B the long one; upon the latter near its extremity is secured a piston C formed of tow, elastic gum or other suitable substance. This piston may be on the plain end of the tube or between raised rings thereon; D represents a cylindrical tube having one end closed and the other end open; it fits over the piston C permitting the tube D to slide freely thereon; a modification of this tube or cylinder is seen in Fig. 2, wherein both ends are open one contracted so as readily to admit of closing by the finger, and this form of tube is well adapted to the decanting of wine or similar liquids.

The object of the cylinder D is to exhaust the air in the siphon tube, by giving it a quick motion in its withdrawal from over the piston in its application to decanting corrosive and fuming liquids, as nitrous acid, where the gas would be dangerous to the lungs if the side exhaust tube is used

whereas by this simple device of mine the danger is removed not only from the lungs but from the fingers which would be liable to accident when not a sponge or tow piston is used inside (not outside) of the siphon tube.

In the modification as seen in Fig. 2, the smaller end of the tube D is closed by the finger and the tube or cylinder is drawn nearly off the piston C and thus the liquid is caused to flow in the long leg of the siphon by the withdrawal of the finger when it can be directed into the mouth of a bottle; this form is well adapted to decanting wine.

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

So constructing a siphon that its long leg near the lower end thereof, shall be surrounded with an elastic substance as tow cotton india rubber &c forming a piston C upon the exterior of said hollow leg, in combination with a cylinder D as described in which said piston C may slide, for the purpose of creating a flow of liquid through the siphon by a quick withdrawal of the cylinder, without its coming in contact with the piston substantially in the manner described.

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

SAML. LENHER.

Witnesses:

M. HENRY KOLLOCK,  
EDWARD ASKEW.