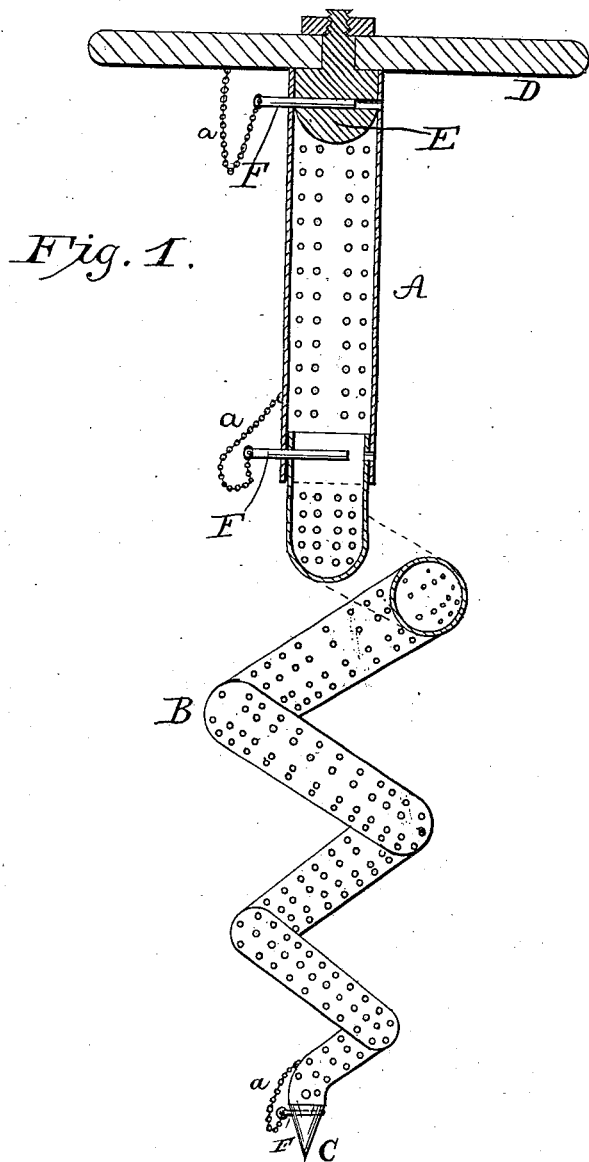


(No Model.)

L. T. BOW.
ENTRANCE TUBE FOR GRAIN VENTILATORS.

No. 266,083.

Patented Oct. 17, 1882.



Witnesses:
A. M. Burnham,
W. R. Keyworth.

Inventor:
L. T. Bow,
per:
W. Alexander
Attorney

UNITED STATES PATENT OFFICE.

LAFAYETTE T. BOW, OF BURKSVILLE, KENTUCKY.

ENTRANCE-TUBE FOR GRAIN-VENTILATORS.

SPECIFICATION forming part of Letters Patent No. 266,083, dated October 17, 1882.

Application filed August 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, L. T. Bow, of Burksville, in the county of Cumberland and State of Kentucky, have invented certain new and useful Improvements in Entrance-Tubes for Grain-Ventilators; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which forms part of this specification, in which the figure is a diametrical section through my improved grain-ventilator.

This invention relates to grain and hay ventilators, the object of which is to allow a free circulation of air in a body of grain or hay for the purpose of preventing heating, souring, or general deterioration of the product; and the nature of my invention consists in a tapered and perforated tube wound in a spiral form, and connected removably to a straight perforated tube having a T-wrench secured to it, as will be hereinafter fully explained.

The letter A designates a straight tube, which may be of any desired length, and which is thickly perforated, as shown. This tube has inserted into one end a plug, E, which is rigidly secured to a T-shaped head, D, forming two hand levers or wrenches, by which the ventilator can be forcibly introduced into a hay-mow or into a body of grain. The plug E is connected to the perforated tube A by means of a pin, F, which is preferably attached by a cord or chain, *a*, to one of the arms of the head D. By removing the pin F the head and its plug can be detached from the tube A, thus leaving the end thereof open for free ventilation.

B designates a spiral penetrating-point, which is a tube thickly perforated and tapered, so that it terminates in a point, C. This spiral or screw-shaped penetrating-point B is attached to the straight tube A by means of a pin, F', so that when desired the said point can be detached from the tube A. I prefer to use conical wood points C, although these points may be made of metal, and they may be removably attached to the perforated tube A by means of a pin or by means of a screw.

It will be seen from the above description that I have a ventilator which is composed of a straight tube terminated by a spiral penetrating-point, both the point and tube being perforated for the purpose of affording free ventilation and circulation of air. It will also be seen that I provide my ventilator with a removable handle or wrench, which is used for inserting the instrument into a body of grain or hay by a screwing action.

Having described my invention, I claim—

A grain or hay ventilator consisting of a straight perforated tube, A, a wrench, D, a plug, E, a pin, F, a tapered spiral penetrating-tube, B, detachable from the tube A and thickly perforated, and the solid removable penetrating point C, all constructed and adapted to operate substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

LAFAYETTE TAYLOR BOW.

Witnesses:

M. S. IRBY,

E. A. VINCENT.