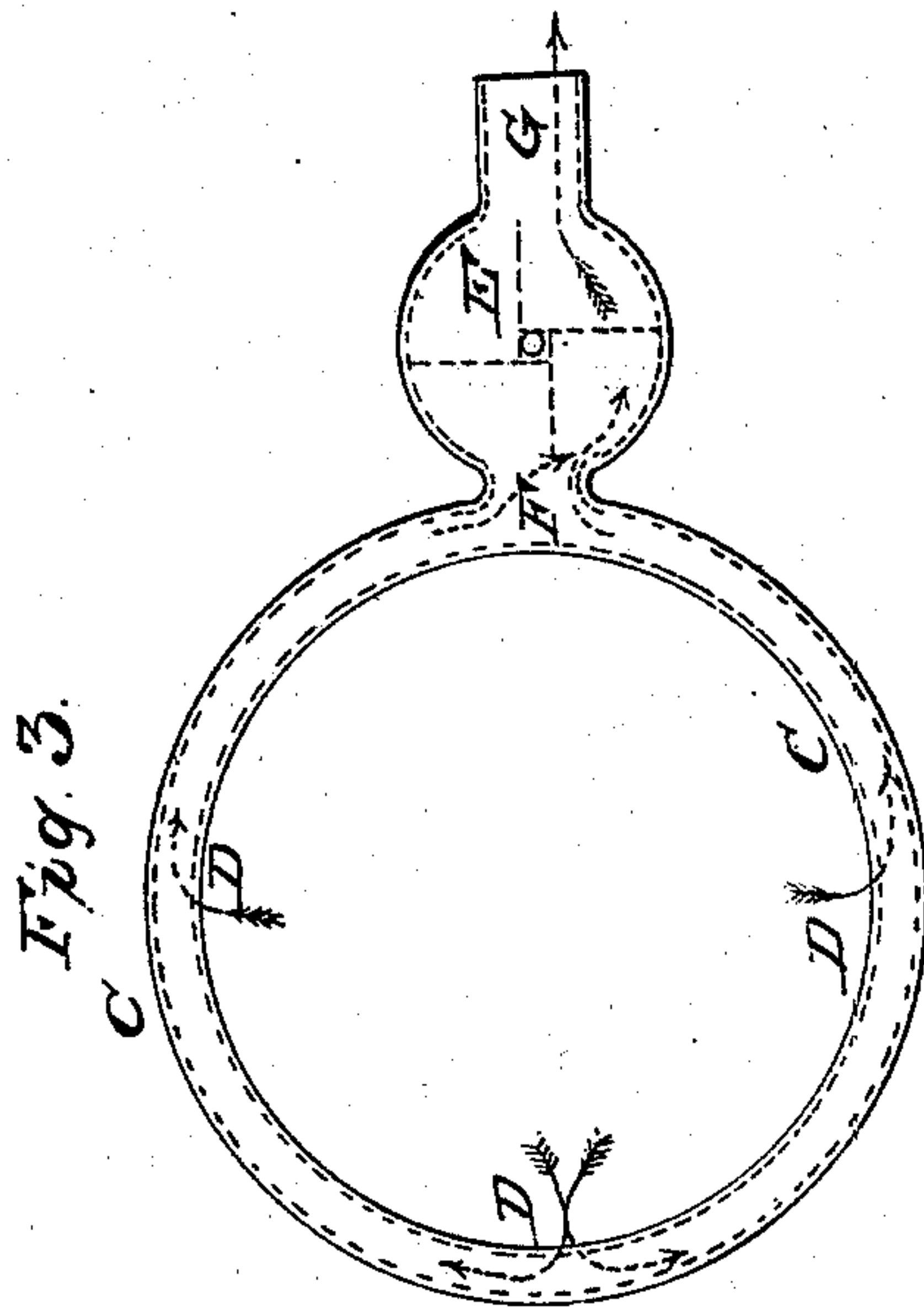
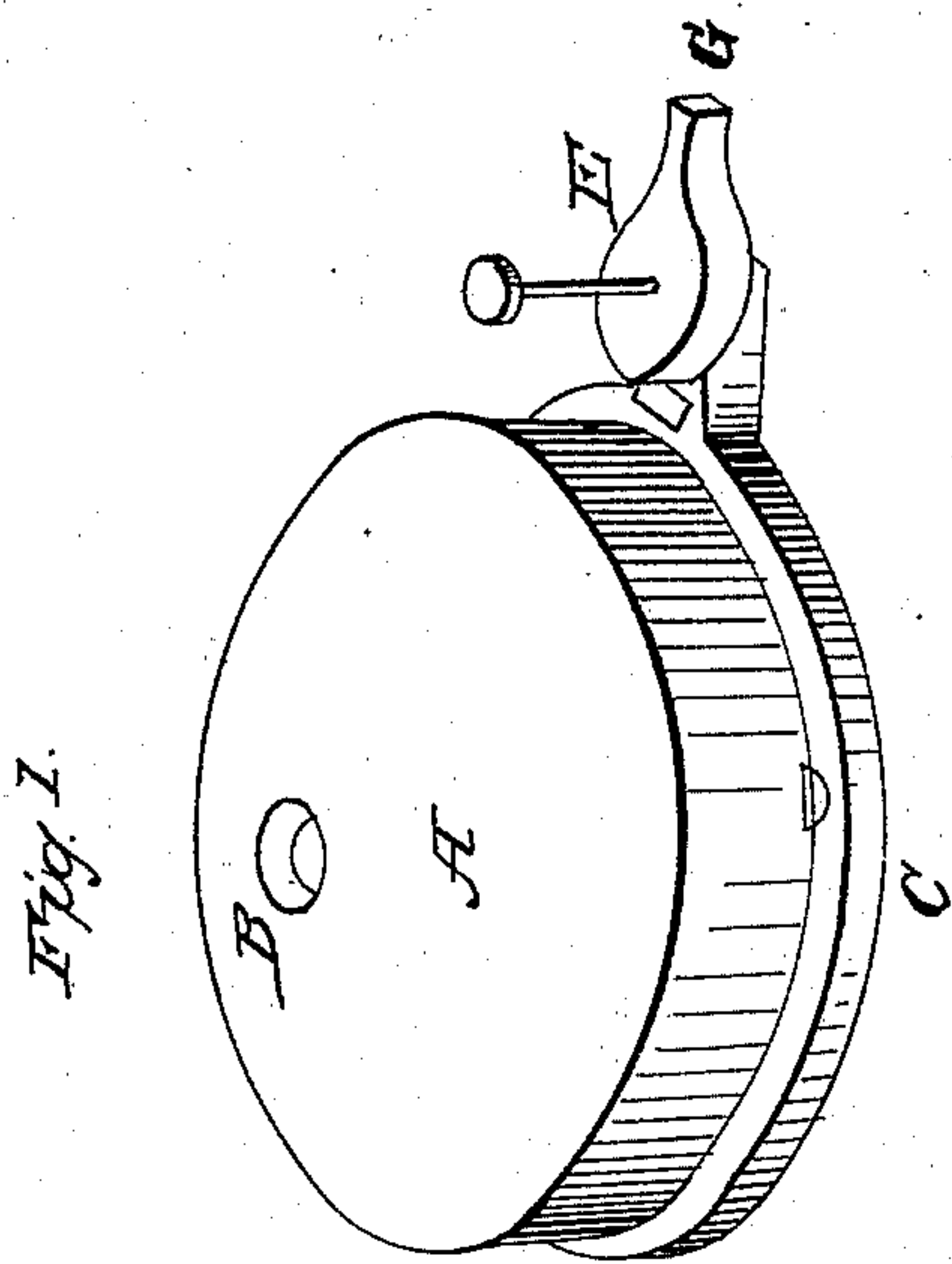
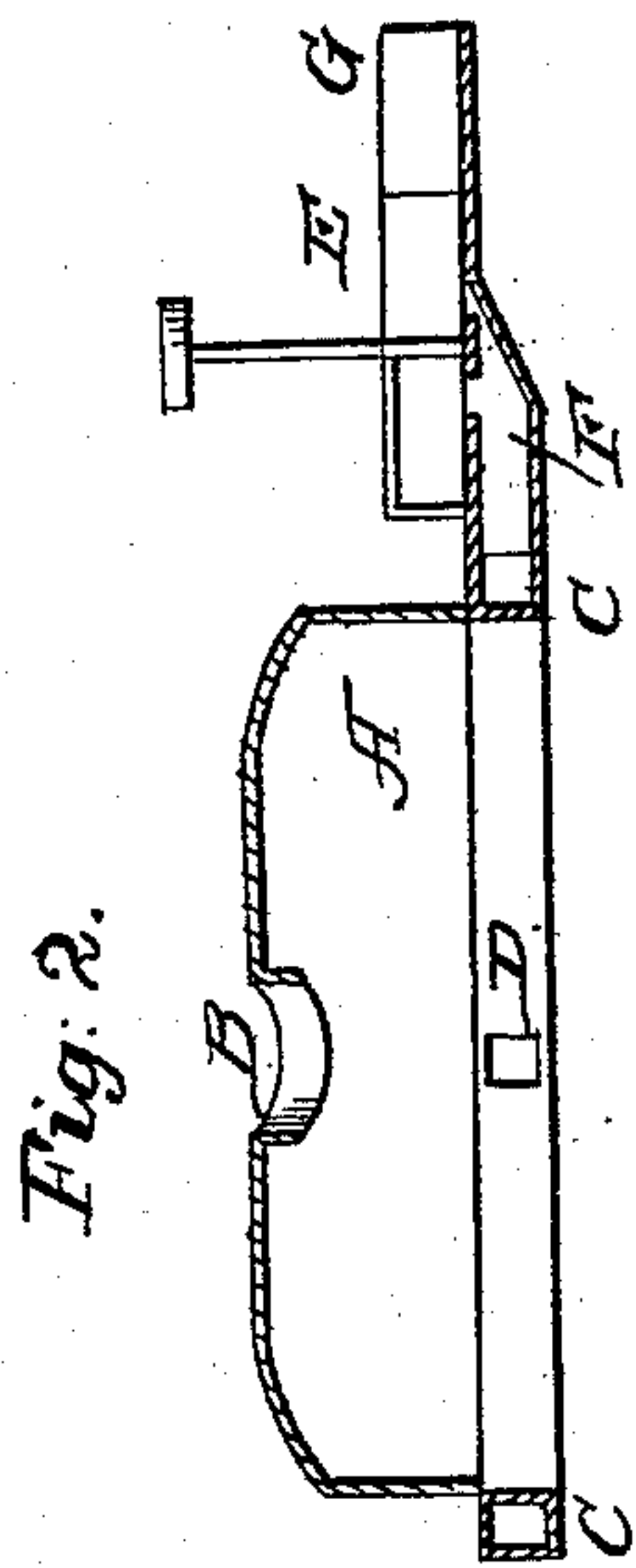


S. G. MORRISON.

Millstone Exhaust.

No. 32,579.

Patented June 18, 1861.



Witnesses  
*J. A. Montgomery*

Inventor  
*Samuel G. Morrison*

# UNITED STATES PATENT OFFICE.

SAMUEL G. MORRISON, OF WILLIAMSPORT, PENNSYLVANIA.

## VENTILATING MILLSTONES.

Specification of Letters Patent No. 32,579, dated June 18, 1861.

*To all whom it may concern:*

Be it known that I, SAMUEL G. MORRISON, of the borough of Williamsport, in the county of Lycoming and State of Pennsylvania, have invented a new and useful attachment to the curbs of the burstones of flouring-mills for the purpose of ventilating the bur and removing the flour from the same; 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 annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my improvement as attached to the curb. Fig. 2 is a longitudinal section of the same as attached to the curb, and Fig. 3 is a plan view of my attachment separated from the curb, in all of which figures the same letter so often as it occurs refers to the same part.

A represents the curb made in any desired form. B the opening in the center of the curb to admit the grain. C a pipe fitting around the burs and connected with the curb with the lower side on a level with the top of the lower bur. D openings in the pipe C allowing a passage from the burs to the pipe C and thence through the throat F to the fan blower E and discharge pipe G.

H is a flange attached to the curb and fitting the eye of the bur stone.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation. 35

After constructing my attachment as before described—I drive the fan blower E in such direction as to cause a current of air to be drawn and enter with the grain through B and thence pass with the grain 40 between the burs and be discharged with the flour through G into a suitable receptacle, thus causing a more speedy discharge of the flour, preventing the heating of the burs and accelerating the process of grinding. 45

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

The pipe (C), surrounding the curb and having openings as shown and described, in connection with the fan-blower, the parts being arranged and operated as herein set forth. 50

SAMUEL G. MORRISON.

Witnesses:

J. A. MONTGOMERY,  
CHAS. T. HUSTON.