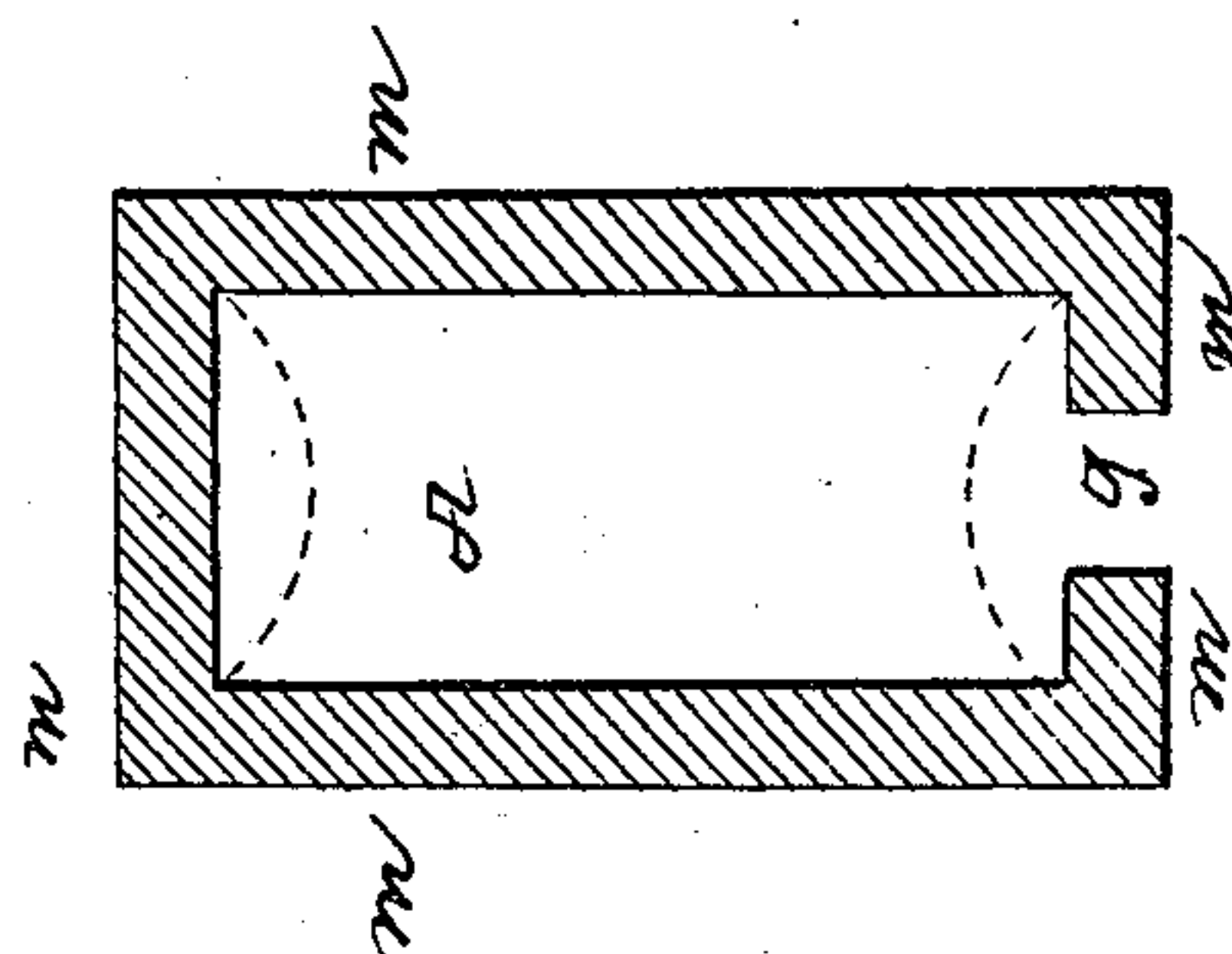
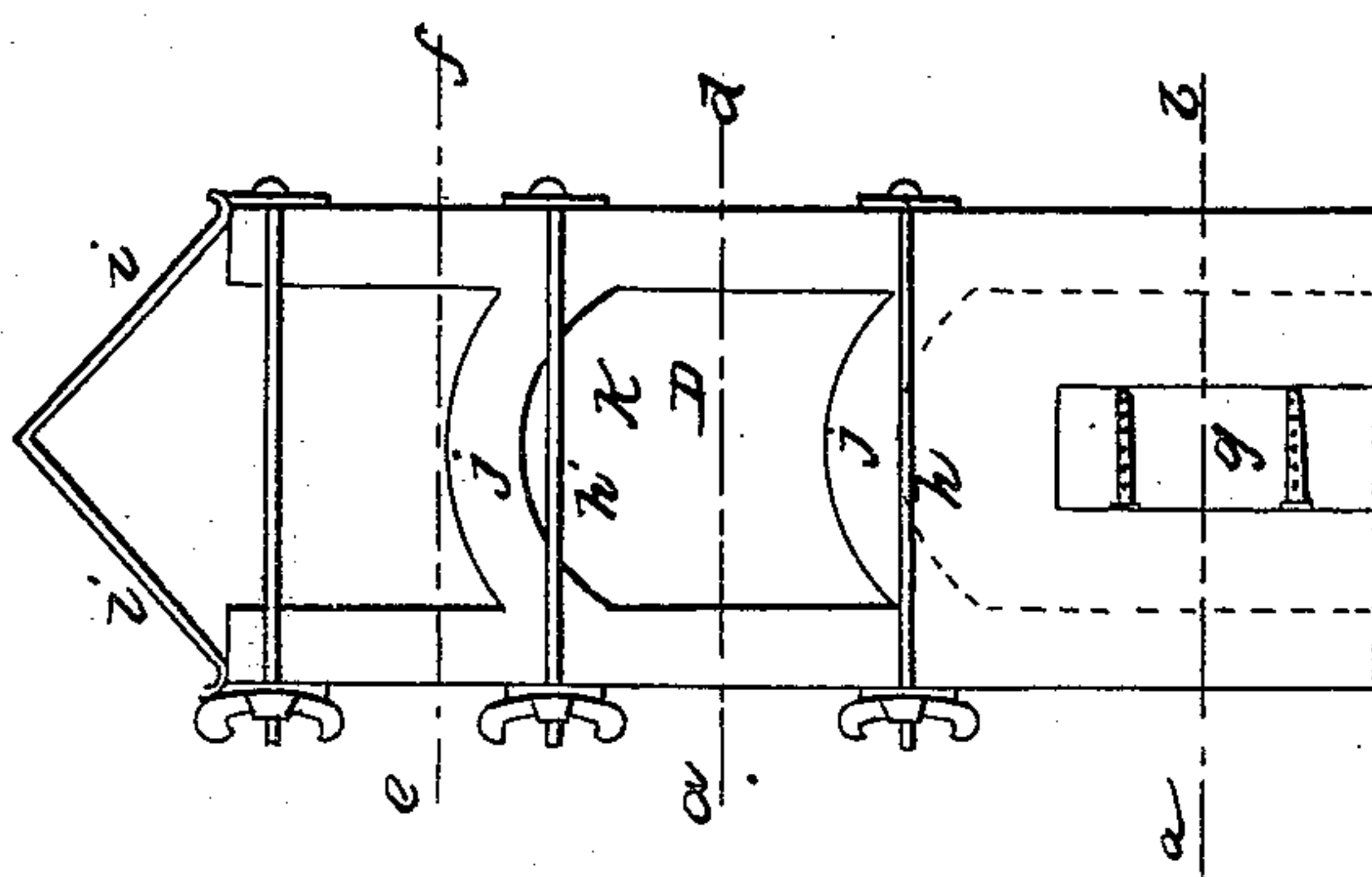
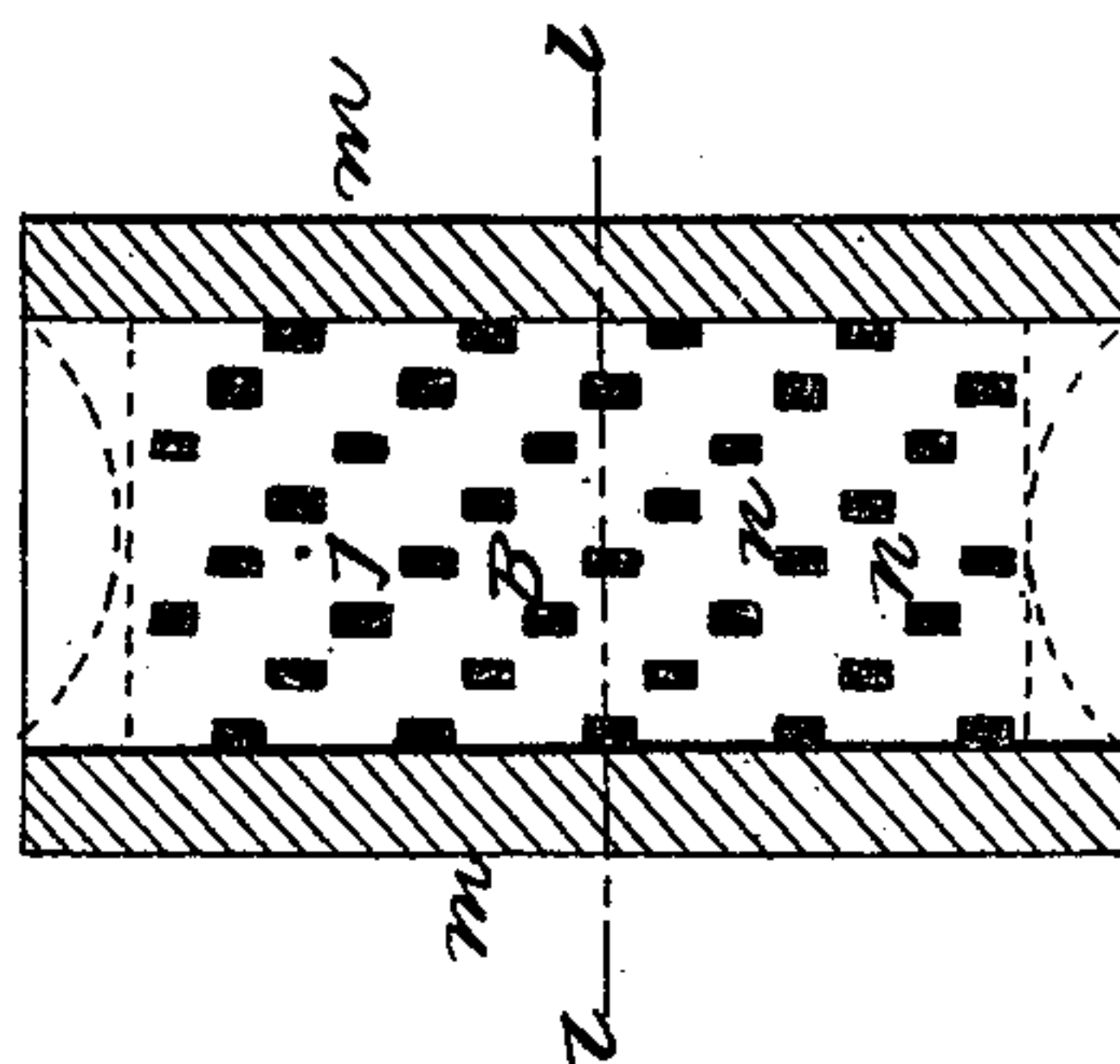
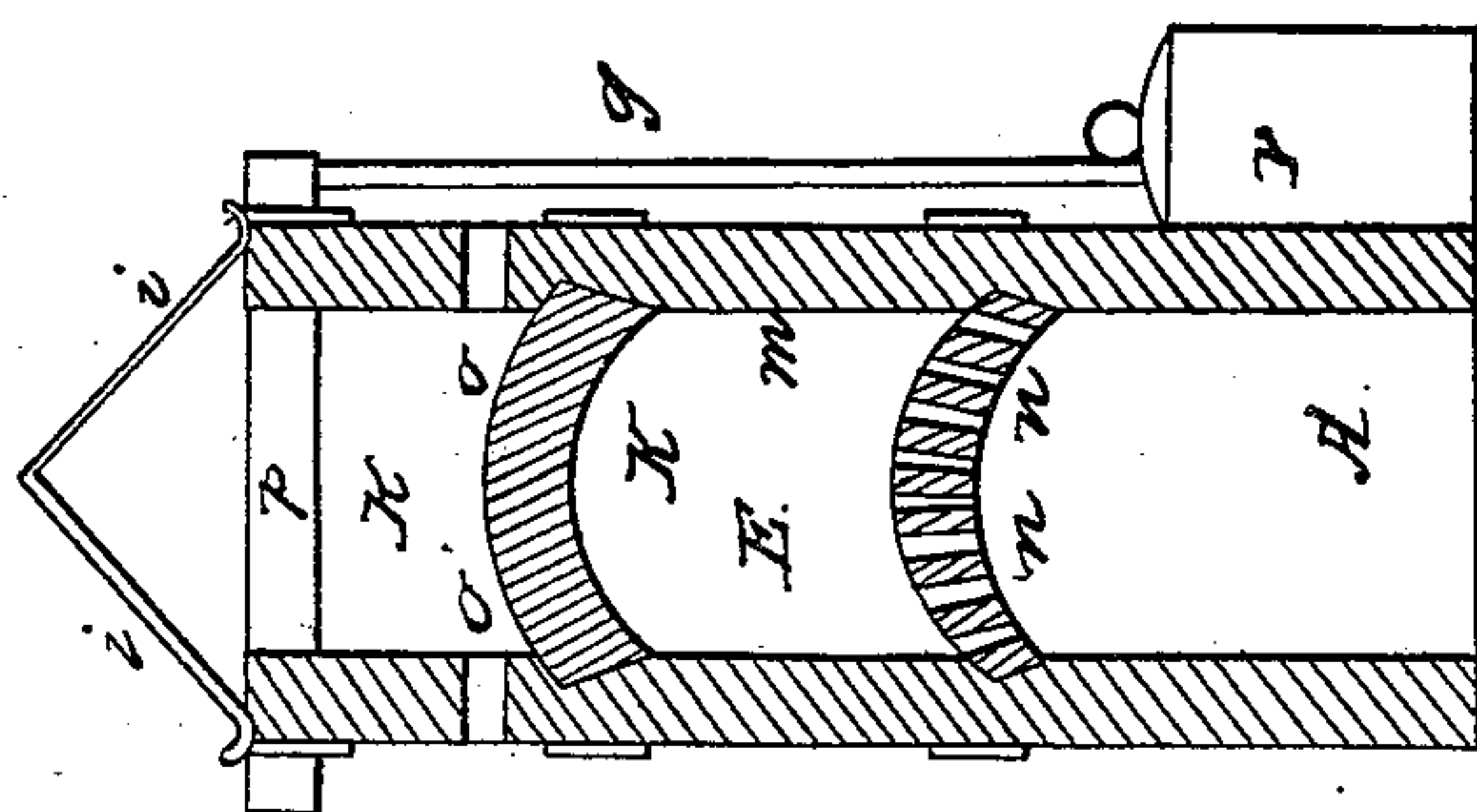
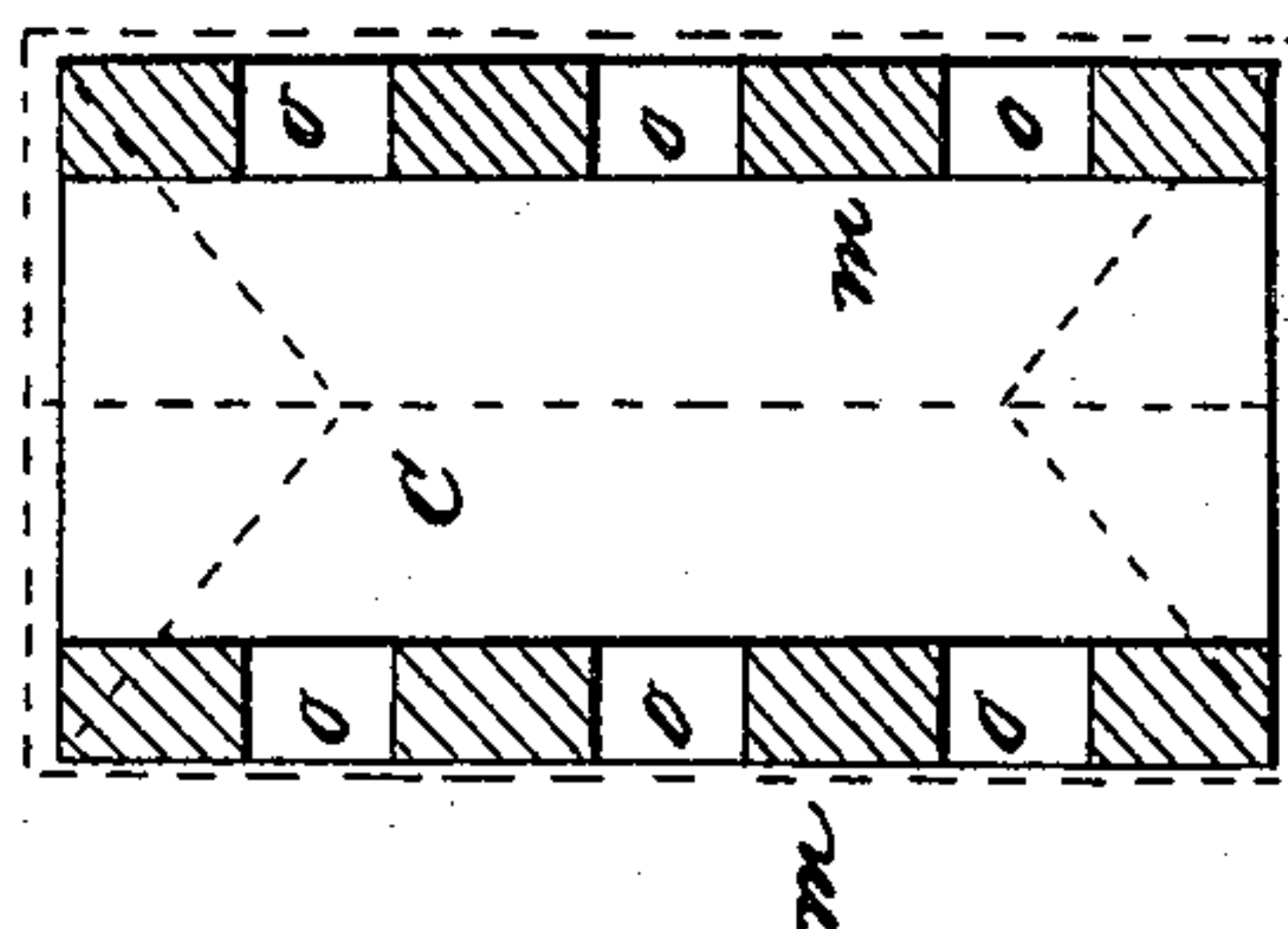
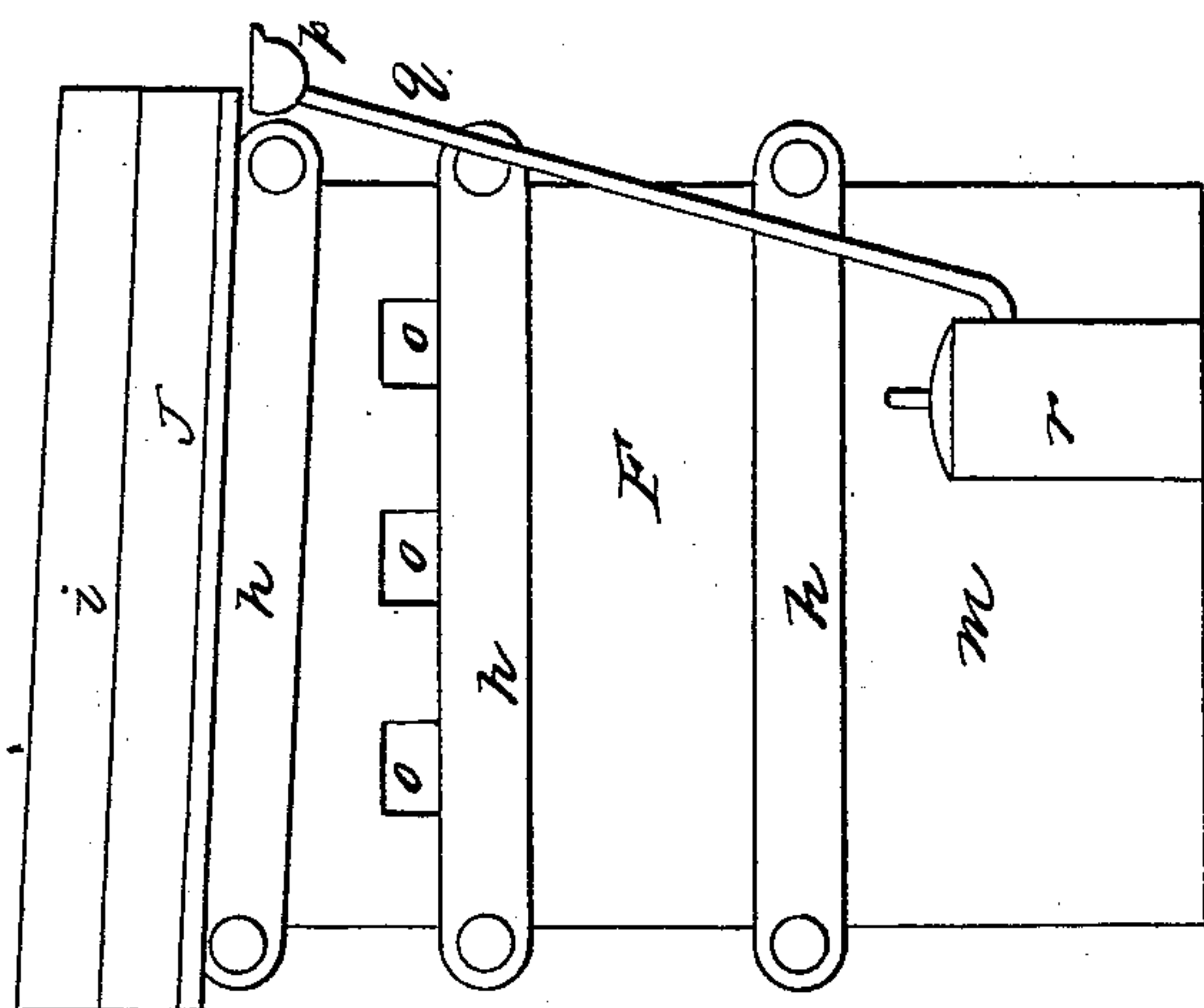


M. W. S. KENDALL.

Smoke House.

No. 14,021.

Patented Jan. 1, 1856.



Witnesses  
Jas. H. S. Kendall.  
Wm. Kendall.

Inventor  
M. W. S. Kendall



# UNITED STATES PATENT OFFICE.

MOSES W. S. KENDALL, OF CINCINNATI, OHIO.

## SMOKE-HOUSE.

Specification of Letters Patent No. 14,021, dated January 1, 1856.

*To all whom it may concern:*

Be it known that I, MOSES W. S. KENDALL, of the city of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and Improved Mode of Preventing the Meat from Taking Fire during the Process of Smoking; and I do hereby declare the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction of a smoke furnace for the purpose of creating the smoke in smoke houses in such a manner, position and place as to prevent the grease of the meat from falling into the fire and creating a flame.

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

Construct a smoke house in any of the known forms, and apply thereto my smoke furnace. I do not claim the smoke house, but I claim my smoke furnace or any other substantially the same and which will produce the intended effect, and its application to smoke houses.

My improvement consists in building my smoke furnace as described by the accompanying drawings, beneath or beside the hanging meat in the smoke house. Its benefits, use, and manner of doing its work is as follows, viz: The first or lower apartment as seen in plan (D) in the accompanying drawings contains the fire, the first arch prevents the fire from rising, and the holes in the arch allow the smoke to pass off and escape through the opening at the ends of the smoke furnace above the first arch and pass to and around the hanging meat. The second arch is a dead (or solid arch) to prevent the roof of the smoke furnace from getting hot. The openings above the second arch at the ends and ventilating holes at the sides as shown in the accompanying drawings are for the purpose of keeping the roof cool.

The roof and gutters carry off the dripping grease that may fall to a can thereby preventing it from reaching the fire and causing a flame, which has frequently been the case in the ordinary smoke houses caused

by the exposure of the fire to the dripping grease.

Build a smoke furnace of masonry or its equivalent at a proper distance from the meat, say two feet or more with a metal or mineral roof or an equivalent of this or a similar form, say four feet wide and six feet long on the ground floor. Carry the walls about five feet high, forming a doorway as seen in the accompanying drawings for the purpose of building the fire with a metallic door with a vent. At the distance of five feet from the ground place a clamp around the walls, and form an arch of masonry or its equivalent, perforated with holes, say 2 by 2 inches, for the purpose of carrying off the smoke, then continue the side walls some sixteen inches higher and clamp the walls again as seen in the accompanying drawings pointed out by (h) and form a solid (or dead) arch as shown by (G) in plan (E) to prevent the roof from getting hot. Then continue the side walls about two inches higher have them perforated as shown in plans (C) and (F) and (E) at (O) to ventilate the upper room, then form a roof of metal or mineral or an equivalent and attach a gutter pipe, and can as shown in cuts (E) and (F) at p, g, r, to carry off the grease that may fall.

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

1. The smoke furnace or its equivalent and its application to smoke houses thereof which will prevent the fire from reaching the meat or the grease from reaching the fire thereby preventing damage and destruction to the meat and smoke house.

2. The smoke furnace may be composed of brick and iron or an equivalent as described in my specification and accompanying drawings in such a manner as to prevent the grease of the meat from falling into the fire and creating a flame, as frequently occurs in the ordinary smoke houses in which the fire is built without any protection to the dripping grease.

MOSES W. S. KENDALL.

Witnesses:

JAS. W. SECRIST,

UZZIAH KENDALL, Jr.