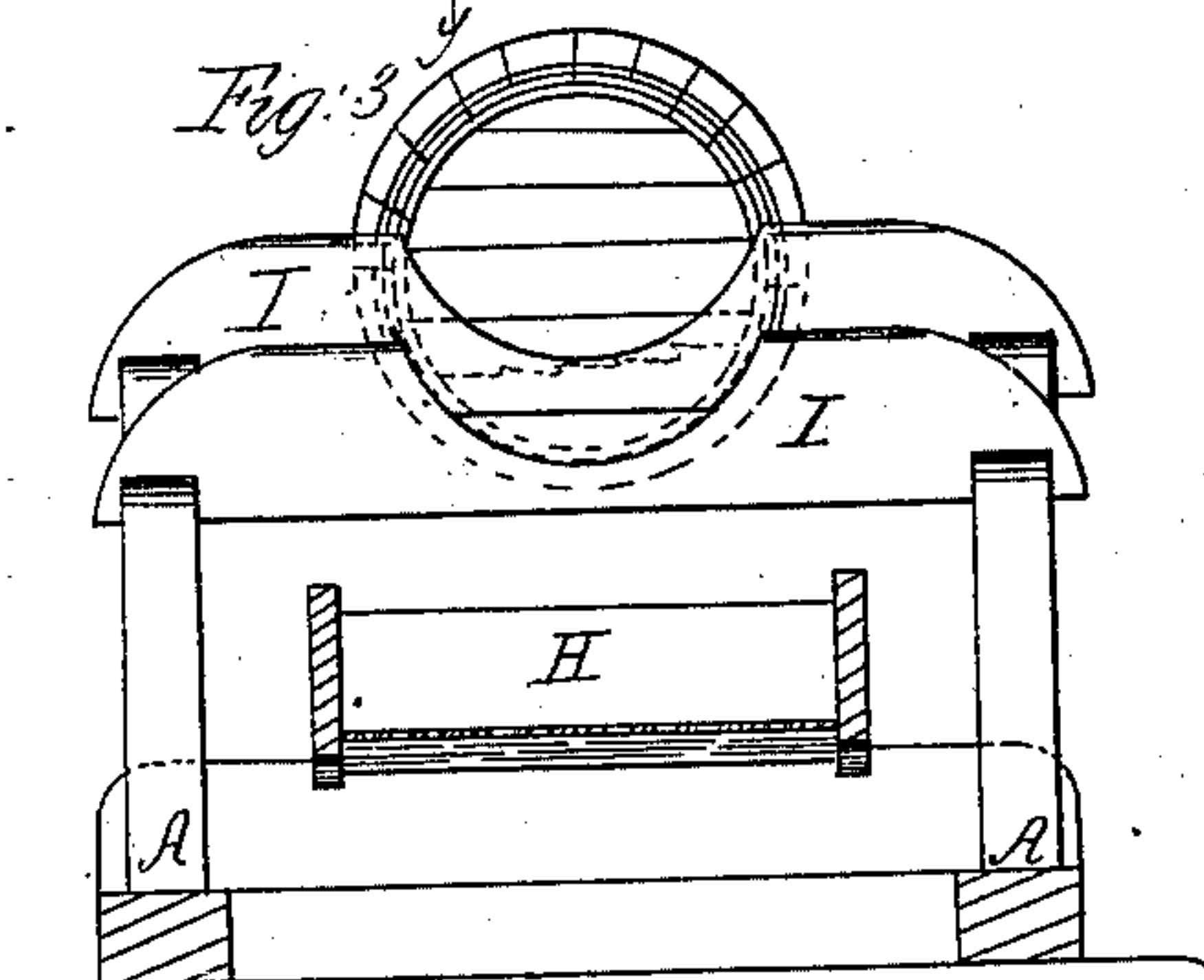
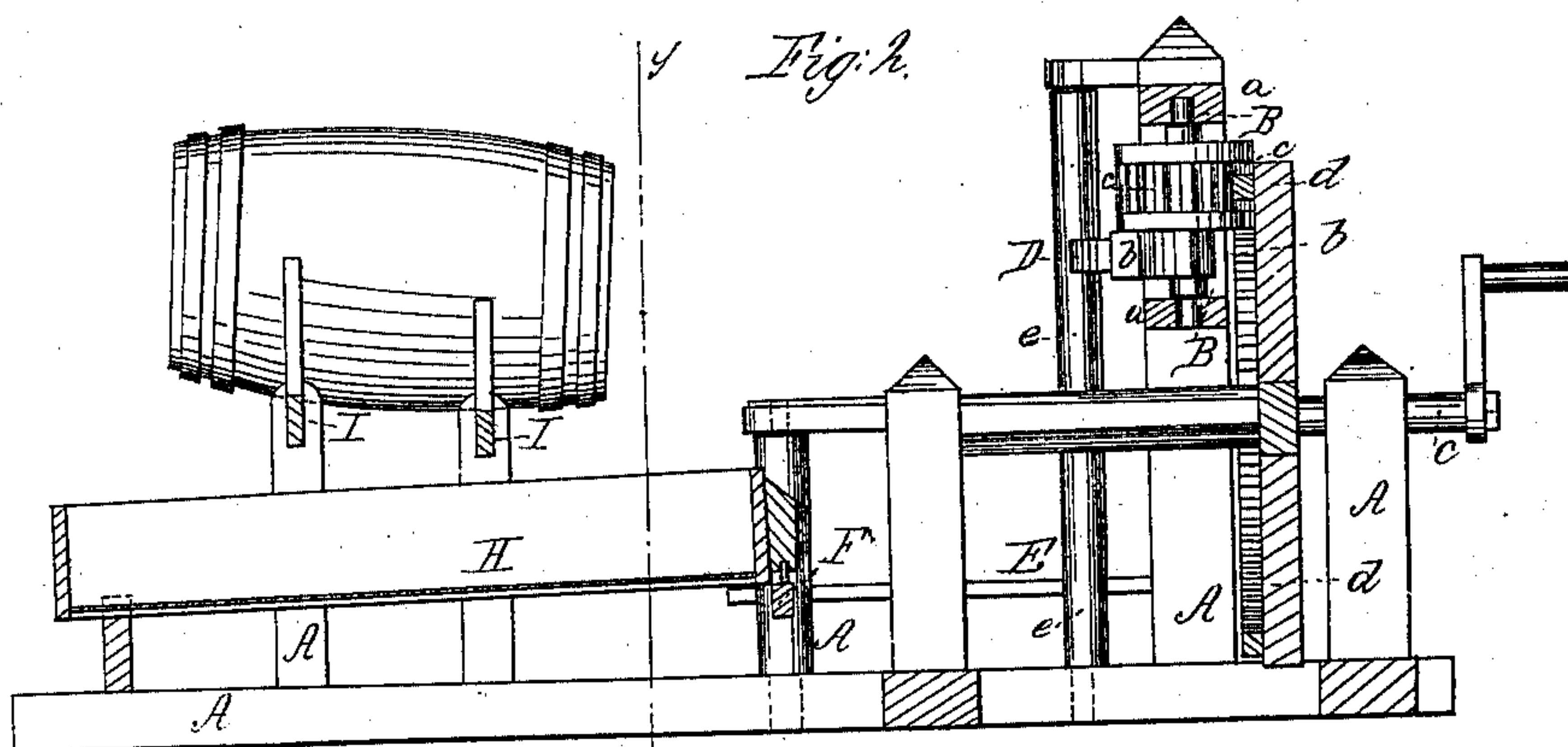
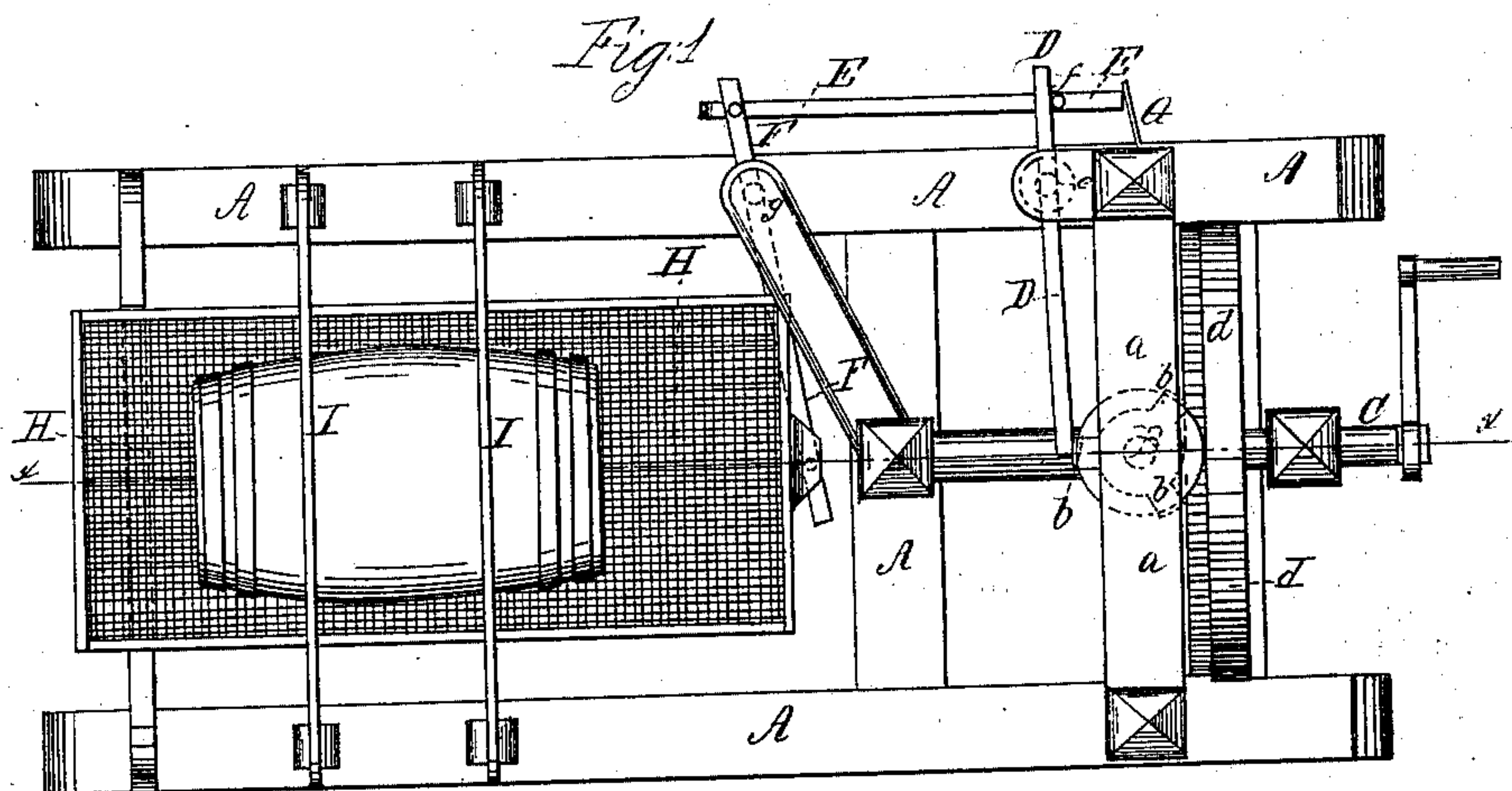


*J. Norek,*  
*Flour Siere.*

*N<sup>o</sup> 77,832.*

*Patented May 12, 1868.*



*Witnesses:*  
*H. C. Ashkettle*  
*Wm A Morgan*

*Inventor:*  
*J. Norek*  
*per Munnif &*  
*attorneys*



# United States Patent Office.

JOHN NOVEK, OF NEW YORK, N. Y.

*Letters Patent No. 77,832, dated May 12, 1868.*

## IMPROVED FLOUR-SIFTER.

*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, JOHN NOVEK, of New York, in the county and State of New York, have invented a new and improved Flour-Sifter; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a plan or top view of my improved flour-sifter.

Figure 2 is a vertical longitudinal section of the same, taken on the plane of the line *x x*, fig. 1.

Figure 3 is a vertical transverse section of the same, taken on the plane of the line *y y*, fig. 2.

Similar letters of reference indicate corresponding parts.

This invention relates to a new flour-sifter, to be especially used by bakers, its object being to facilitate the process of sifting the flour, and to economize labor.

The invention consists, first, in a novel device for vibrating a sieve, said device consisting of an oscillating-lever, to which, by means of a rotating cam or cams, and by a counteracting spring, the necessary motion is imparted.

The invention consists, second, in arranging above the sieve, in a stationary frame, a suitable support for holding a flour-barrel in an inclined position, so that the flour can be fed from the barrel upon the sieve.

A, in the drawing, represents a fixed or portable frame, of suitable dimensions, shape, and material. In two horizontal bars, *a a*, of this frame, are the bearings for an upright spindle, B, on which a series of projecting cams or lugs, *b b*, is arranged, or but one cam, as may be desired. A pinion, *c*, mounted on the spindle B, meshes into the teeth of a toothed wheel, *d*, that is mounted on a horizontal shaft, C, as shown. To the shaft C is, either by hand or otherwise, imparted rotary motion, such motion being consequently transferred to the spindle B.

D is a lever, pivoted by a pin, *e*, to the frame A, and held by a pin, *f*, projecting from a lever, E, with one end against the cam portion of the spindle B, as in fig. 1. The lever E is, at one end, pivoted to a lever, F, which is by a pin, *g*, pivoted to the frame A. A spring, G, presses against the free end of the lever E, and moves it forward, thereby also keeping the lever D against the cams *b*. Now, as the spindle B is rotated, its cams will throw the end of the lever D forward. The other end of the lever D will, by this motion, move the pin *f*, and with it the lever E, backward against the spring G, and the lever E will carry its end of the lever F also backward with it. As soon as a cam ceases to act on D, the spring G will throw the lever E forward again, and the end of the lever F, connected with E, will thus also be moved forward again, and in this manner oscillating motion is imparted to the lever F, which oscillating motion can be made more or less quick, by varying the velocity of the spindle B, and by the number of cams, *b*, on the same.

The free end of the lever F is secured to a sieve, H, which rests loose on the frame A, and to which, by the oscillation of the lever F, shaking motion is imparted.

The flour to be sifted is placed into the sieve in any suitable manner, but I would prefer to support the barrel from which the flour is taken above the sieve, in an inclined position. For this purpose I arrange boards, I I, set on edge above the sieve, said boards being rigidly fastened to the frame A.

In the upper edges of the boards are arranged cavities, as indicated in fig. 3, so that a barrel can, on these boards I, and in the cavities arranged therein, be supported in an inclined position above the sieve, as is shown by red lines in the drawings. The flour is thus fed from the barrel directly to the sieve, and the operation of sifting is greatly simplified.

I claim as new, and desire to secure by Letters Patent—

1. A flour-sifter consisting of the rotating cam-shaft B, levers D, E, and F, and spring G, in combination with the sieve H, all made and operating substantially as herein shown and described, for the purpose specified.

2. In combination with the above, the support or supports I, so arranged as to hold a barrel in an inclined position above the sieve, substantially as herein shown and described, for the purpose specified.

JOHN NOVEK.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.