

J. Dearborn,

Horse Power.

N^o 64,951.

Patented May 21, 1867.

Fig. 1.

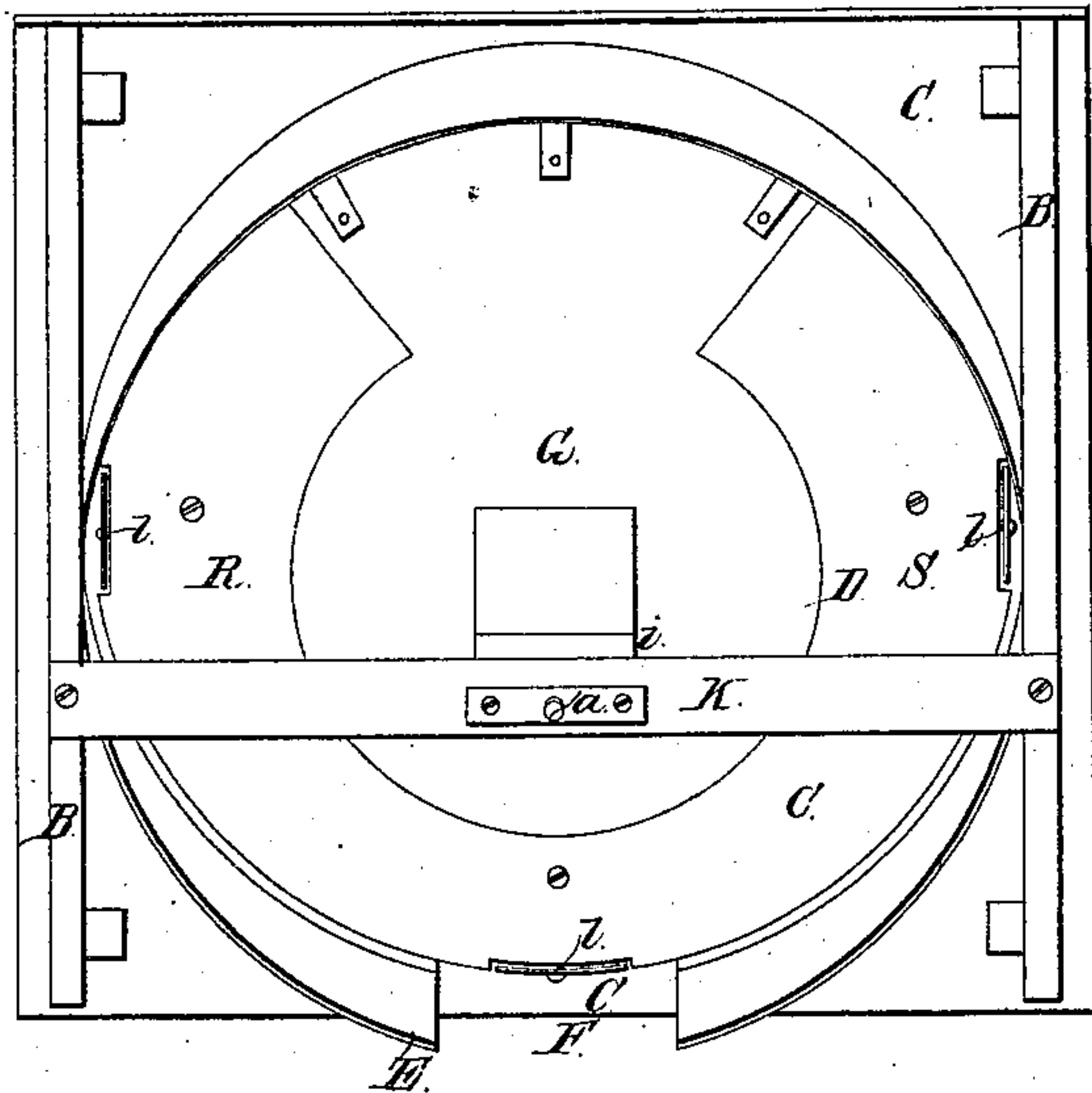


Fig. 2.

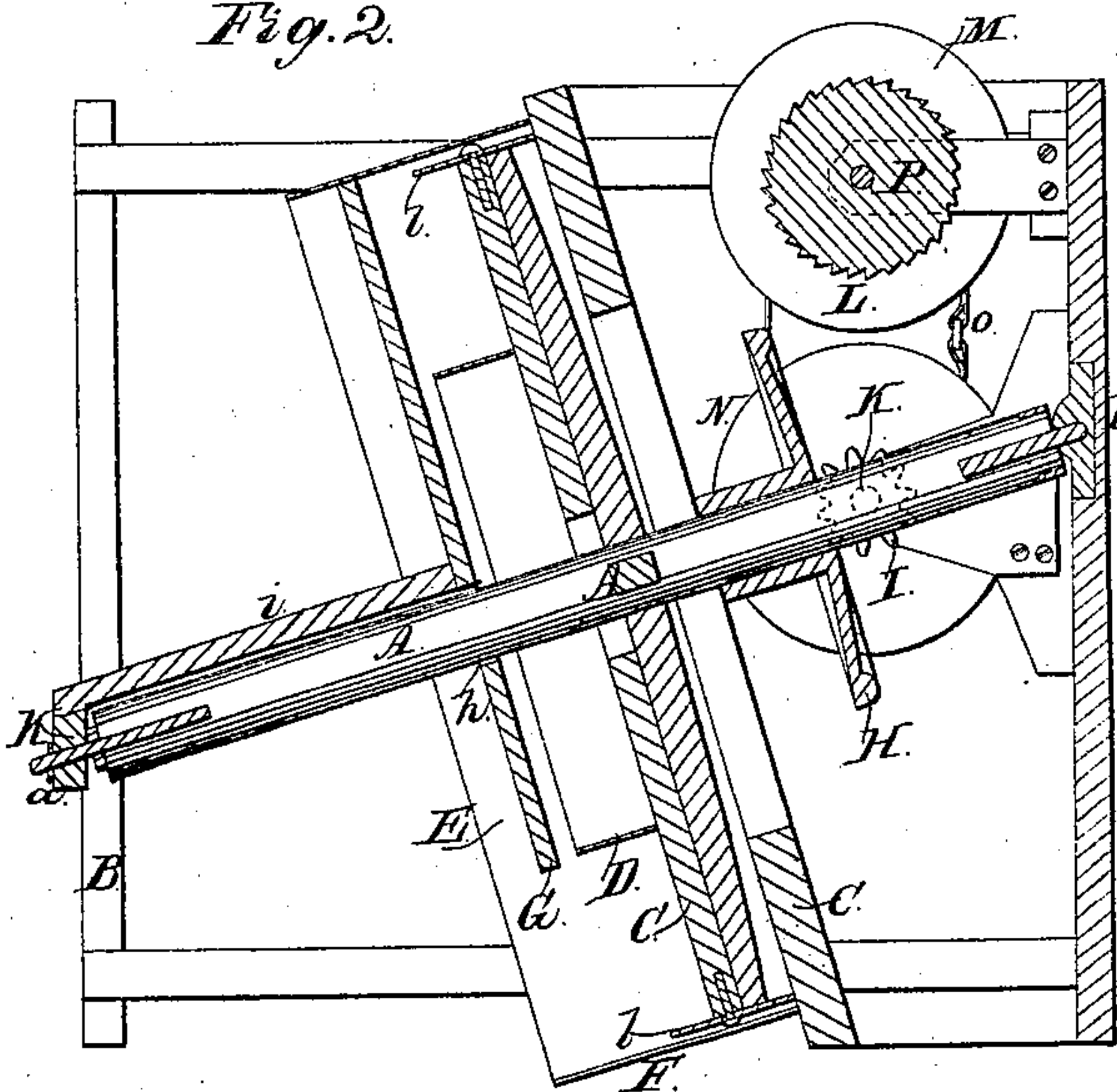
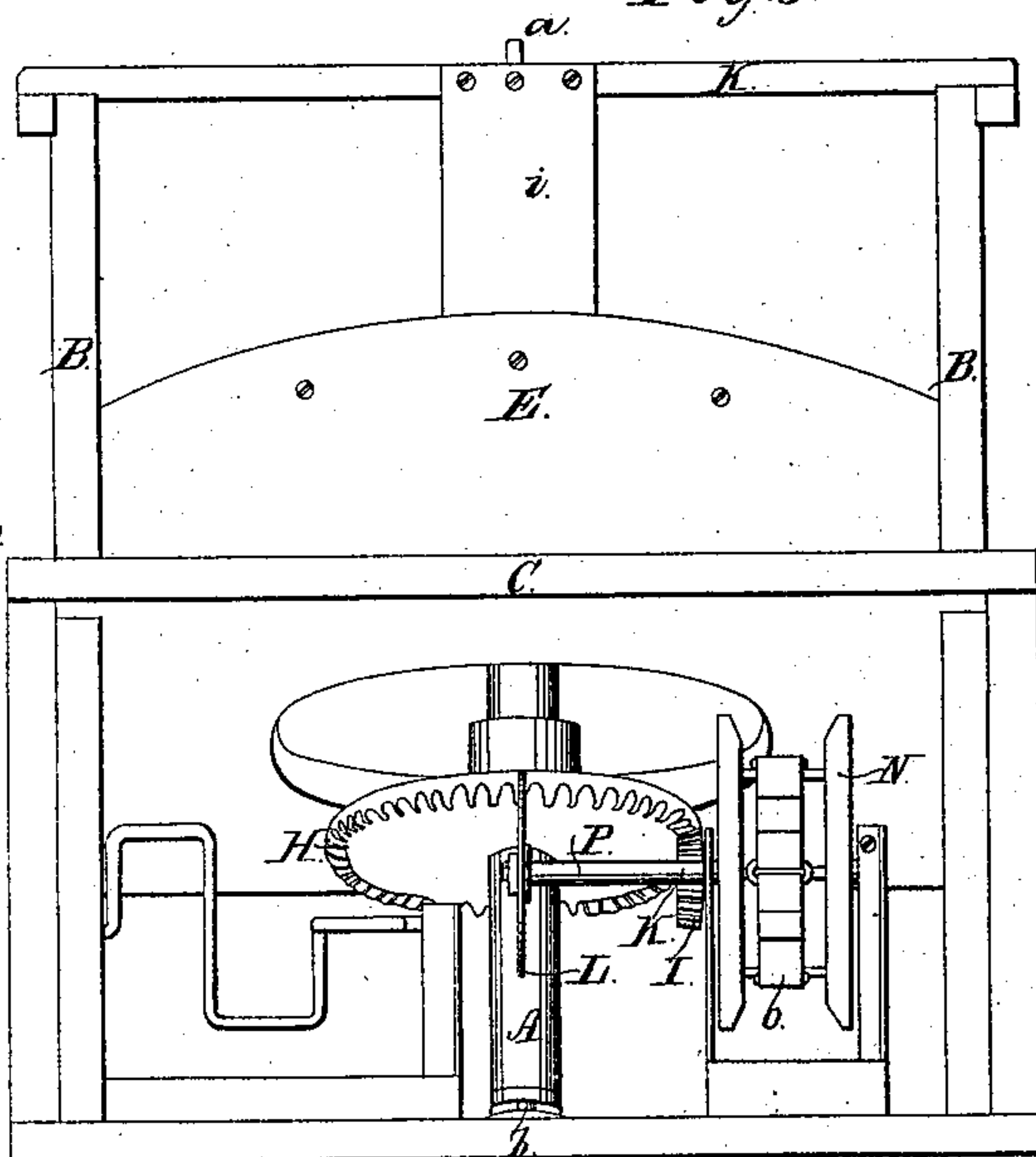


Fig. 3.



Witnesses.

*Geo. H. Andrews.
Samuel N. Piper*

Inventor.

Jonathan Dearborn.

*by his attorney
R. M. Eddy*

United States Patent Office.

JONATHAN DEARBORN, OF SEABROOK, NEW HAMPSHIRE.

Letters Patent No. 64,951, dated May 21, 1867.

IMPROVEMENT IN MACHINE FOR APPLYING ANIMAL POWER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, JONATHAN DEARBORN, of Seabrook, in the county of Rockingham, and State of New Hampshire, have invented an improved Machine for Applying Animal Power to the production of useful effects; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view.

Figure 2 a vertical section; and

Figure 3, an end elevation of my said invention.

In such drawings, A denotes a shaft inclined to the horizon, and having its journals *a b* duly supported in boxes or bearings, sustained by a frame, B. On this shaft, and at right angles to and concentric with it, is fixed a circular platform or wheel, C, provided with a circular fence or fender, D, raised on it, concentrically with the shaft. Encompassing the wheel C, and elevated on the top board or platform, *c*, of the frame B, is a circular guard, E, provided with a gateway or opening, F, leading through its lowest part. Projecting from the guard E, and fixed to it at its middle, is an auxiliary platform, G, which extends over the fender D, and covers it at a short distance from it. The shaft A runs through a hole, *h*, made through the platform G. Such platform is also supported by means of a hanger, *i*, extended down from the cross-girt *k* of the frame B. If desirable, the wheel may have a series of friction-wheels, *l l l*, applied to journals projecting from its periphery, such wheels being to run on the platform *c*, or a circular railing fixed thereon. Below the platform *c* the shaft A has a bevelled gear, H, fixed on it to engage with a bevelled pinion, I, fixed on a shaft, K. To this shaft any mechanism may be applied for transferring rotary motion of the shaft to any mechanical object, whether such be a circular saw, as shown at L, or any other. The mechanism so applied for effecting the rotation of the saw being two sprocket-wheels, M N, and an endless chain, O, one wheel being fixed on the saw-shaft P, and the other on the shaft K. When one or more persons or animals may attempt to walk upon and up the wheel C, on either side of the shaft, that is, on either of the spaces R S, the wheel will be put in revolution, as the gravitating power of the person or persons, animal or animals, as the case may be, will cause the wheel to revolve and put the shaft in revolution. The platform G is to support a person while the wheel may be revolving, for, when the velocity of the wheel may be too great, the person can jump off the wheel and upon the platform, or sit down thereon.

I claim the combination and arrangement of the inclined shaft A, the wheel C, the guard E, and the platform G.

I also claim the combination of the shaft A, the wheel C, the guard E, the fender D, and the platform G.

I also claim the combination of the bevelled gears H I, the shaft K, the shaft A, the wheel C, the guard E, and the platform G, the whole being arranged and so as to operate as specified.

JONATHAN DEARBORN.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.