

W. H. Kay.

Graining App's.

N<sup>o</sup> 90,004.

Patented May 11, 1869.

Fig. 1.

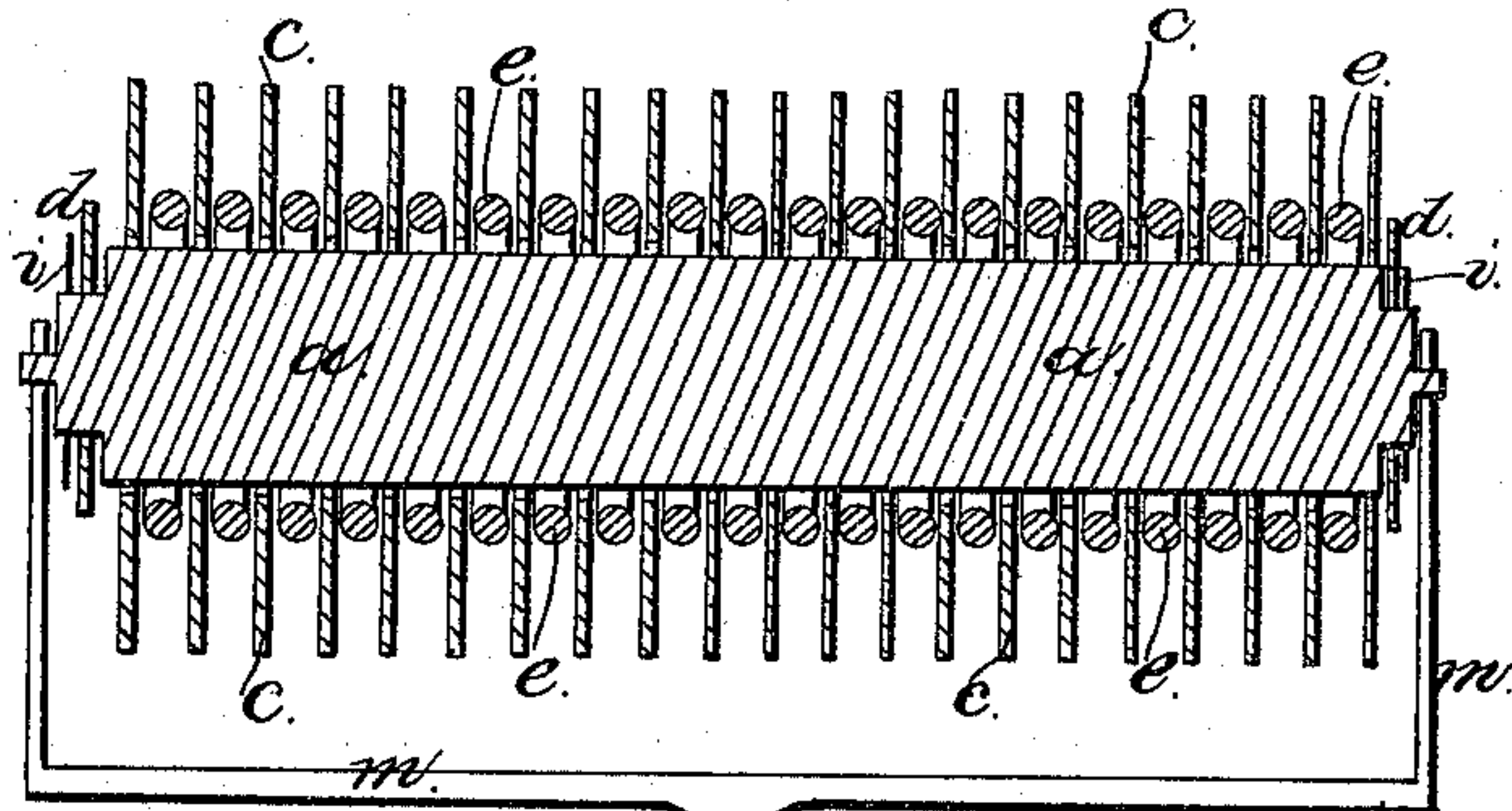


Fig. 2.

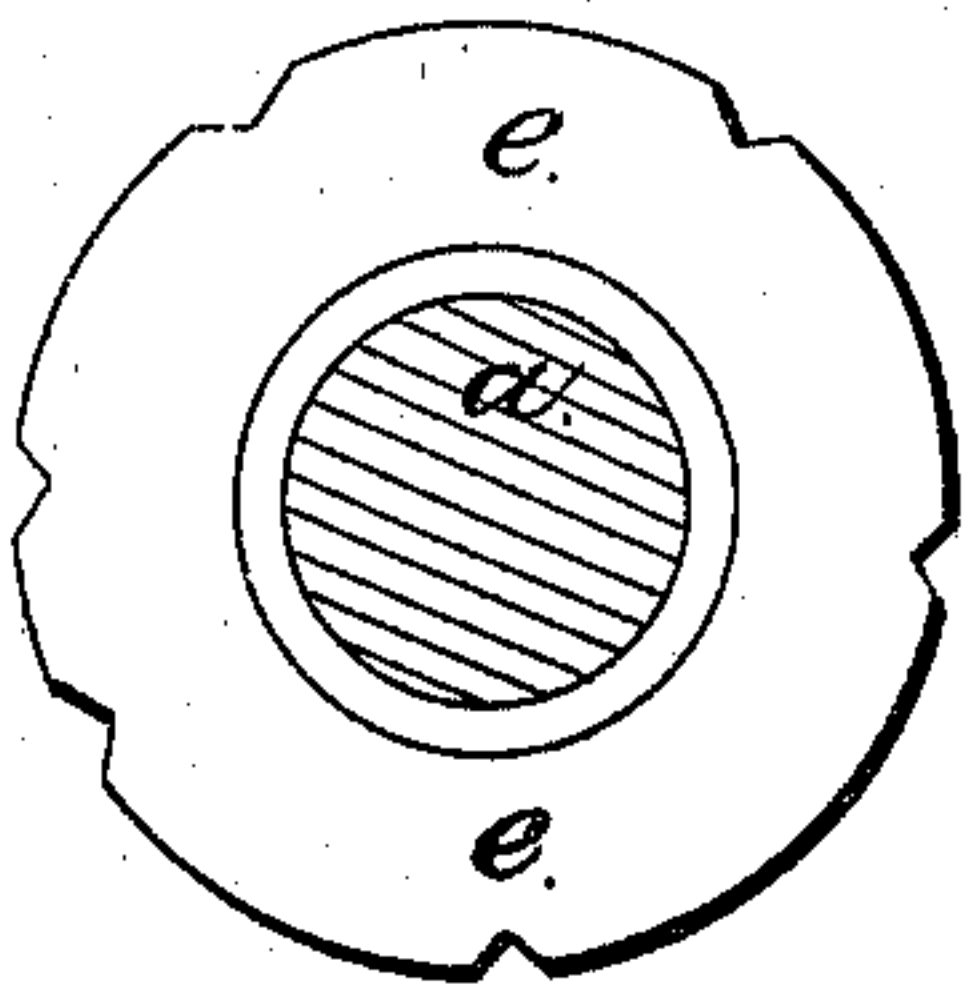


Fig. 3.

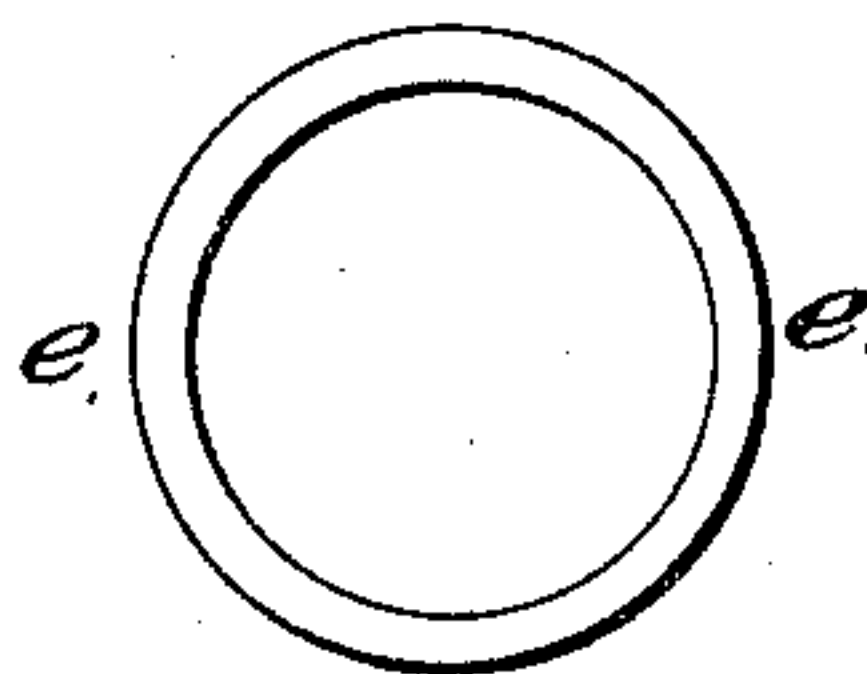
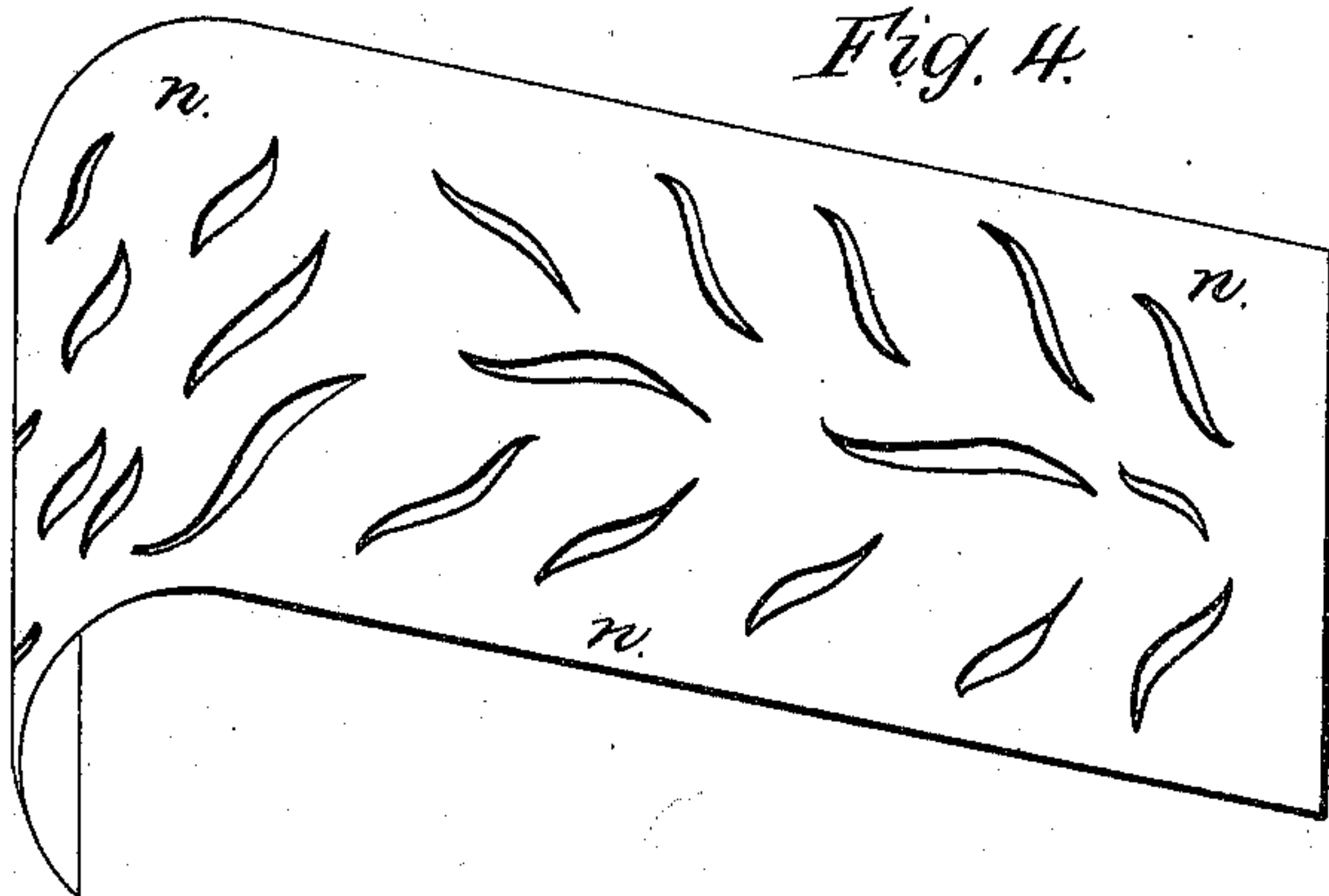


Fig. 4.



Witnesses.

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WILLIAM H. KAY, OF LEMONT, ILLINOIS.

Letters Patent No. 90,004, dated May 11, 1869.

GRAINING-APPARATUS.

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

Be it known that I, WILLIAM H. KAY, of Lemont, in Cook county, in the State of Illinois, have invented a new and improved Apparatus for Graining Paint in Imitation of the Grain of Wood; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal section of the machine;

Figure 2, a cross-section of the same;

Figure 3, an isometrical view of one of the division-rings; and

Figure 4, a perspective view of a strip of oil-cloth, with apertures cut in, for the purpose hereinafter described.

The object of my invention consists in causing paint to resemble the grain of wood by a series of manipulations, as follows:

I first paint the object to be grained with a brush, as in the ordinary way. I then cover the same with the oil-cloth, fig. 4, having apertures cut in, as shown; after which I rub over the oil-cloth with a piece of cloth, or brush, which takes the paint off the wood through every aperture; which, having been accomplished, I take the oil-cloth off, the larger lights having been made in the paint.

Then, in order to make the lines showing the grain or growth of the wood, I use the machine shown in fig. 1, which is constructed and operated as follows:

*m* is a frame holding the roller *a*, upon which is placed a series of disks, *c c*.

Between each disk is placed a ring, *e*, also shown in fig. 3. These rings are used for the purpose of keeping the disks a certain distance apart.

The disks and rings all revolve loosely on the roller *a*, as is shown more particularly in fig. 2, each one revolving independently of the other.

The disks have notches cut in their periphery, at unequal distances from each other, so that as compared with each other, they alternate, this being necessary to make a good imitation on the paint.

The disks and rings are all held in place on the roller *a* by means of washers *d d* on either end of the roller, held in place by the pins *i i* passing through.

This device is used to roll over the paint, back and forth by hand, after the lights have been made, as described, which causes the paint to resemble the grain of oak or any other kinds of wood desired.

Claims.

Having thus described my invention,

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

1. The devices shown in fig. 1, constructed and arranged substantially as and for the purposes set forth.
2. The use of oil-cloth having apertures, as set forth, in combination with the device shown in fig. 1, for the purpose described.

WILLIAM H. KAY.

Witnesses:

THOS. H. HUTCHINS,  
H. LOWE.