

H. J. FOGH.
MILLSTONE.

No. 171,115.

Patented Dec. 14, 1875.

Fig. 1

Fig. 2

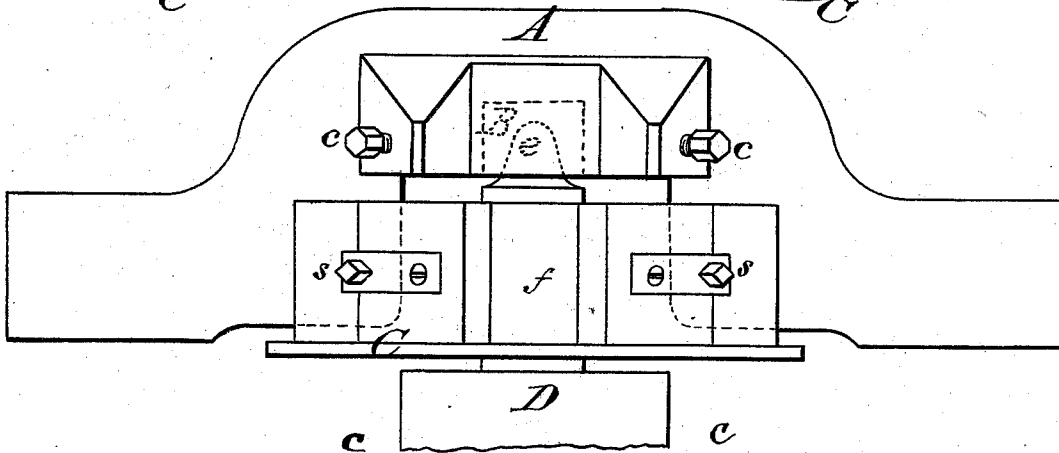
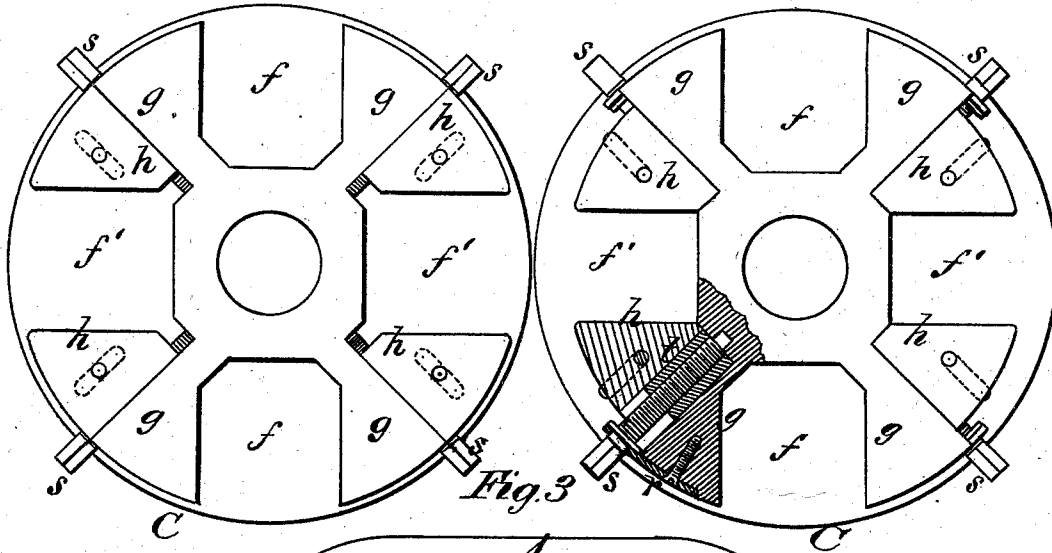
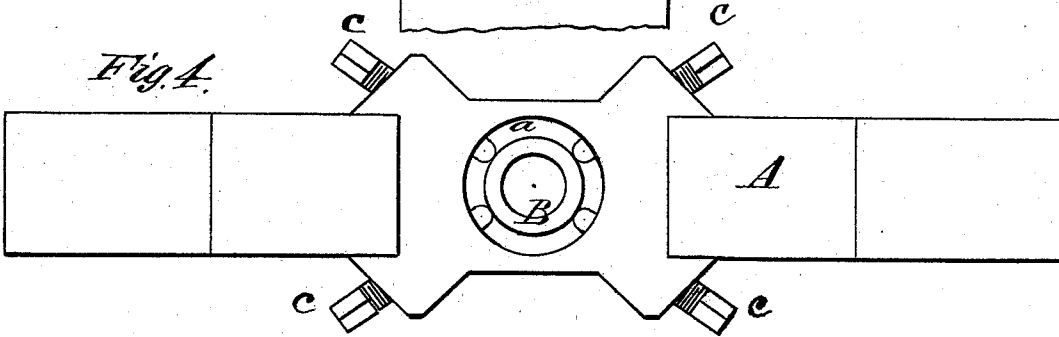


Fig. 4.



WITNESSES
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HANS J. FOGH, OF JEDSTED MØLLE, DENMARK, ASSIGNOR TO WILLIAM E. CARLIN, AND LAURITZ T. C. FOGH, OF CRESTON WYOMING TERRITORY.

IMPROVEMENT IN MILLSTONES.

Specification forming part of Letters Patent No. **171,115**, dated December 14, 1875; application filed October 23, 1875.

To all whom it may concern:

Be it known that I, HANS J. FOGH, of Jedsted Mølle, Kingdom of Denmark, have invented a new and valuable Improvement in Millstones; 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, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my millstone, and Fig. 2 is a plan view of the same, with detail in section. Figure 3 is a front view thereof, and Fig. 4 is a plan view of the balance iron and cup.

This invention has relation to means for balancing millstone-runners; and the nature of my invention consists in an adjustable cup-shaped support, in combination with the balance-iron and radially-adjustable shoulders on a hub, which is keyed on the spindle, as will be hereinafter explained.

The object of my invention is to provide simple means for finding the center of gravity of the runner-stone, so that this stone will run truly on the stationary stone without wobbling.

In the annexed drawings, A designates the balance-iron, the extremities of which are recessed into the runner-stone in the usual well-known manner, and the middle portion of which is arched, as shown in Fig. 3. In the center of the arch of the balance-iron A an annular recess, *a*, is made, in which a cup, B, is arranged. This cup B is confined between the ends of four screws, *c c c c*, which are tapped through the iron A, and provided with prismatic heads. By loosening some of the screws *c* and setting up others the position of the cup B relatively to the center of the balance-iron A can be changed. C designates a circular plate, through which the reduced portion of the "long iron" or spindle passes centrally, and is rounded at its upper end, as shown at *e*, to enter the cup B and afford a

bearing for the upper stone, on which this stone can adjust itself. From the upper side of the plate C rise four segments, *g g g g*, which are arranged at equal distances apart, and are rigid with said plate. Between the segments *g g*, on two sides of the disk C, are spaces *f f*, having parallel sides, which spaces are designed to receive the "fork" of the perpendicular axis. In the spaces *f' f'* the limbs of the balance-iron are placed, and the walls of these spaces are formed of adjustable segments *h h h h*, the vertical planes of which, with relation to the axis of the pin or long iron D, can be changed by means of adjusting-screws *s*. The screws *s* are tapped through nuts *t*, which are secured to the adjustable segments, and the ends of these screws bear against the hub of plate C. Circular flanges on the screws *s* bear against plates *r* secured to the peripheries of the fixed segments *g*. The screws *c* and cup B allow the upper stone to be adjusted horizontally in any direction, and by means of the screws *s* the proper relation between the balance-iron A and the inner sides of the segments *h* can always be preserved.

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

1. The segments *g* on plate C forming recesses *f f*, in combination with the adjustable segments *h h*, forming recesses *f' f'* to receive the links of the balance-iron, substantially as specified.

2. The adjustable segments *h*, on plate C, in combination with the adjustable cup B in the balance-iron A, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HANS JOACHIM FOGH.

Witnesses:

NIELS KARL KRISTIAN TRAUBERG,
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ERIC FREDRIC GUSHAFSON,
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