

FARNHAM & MOSHER.

Band Cutter.

No. 89,643.

Patented May 4, 1869.

Fig. 1.

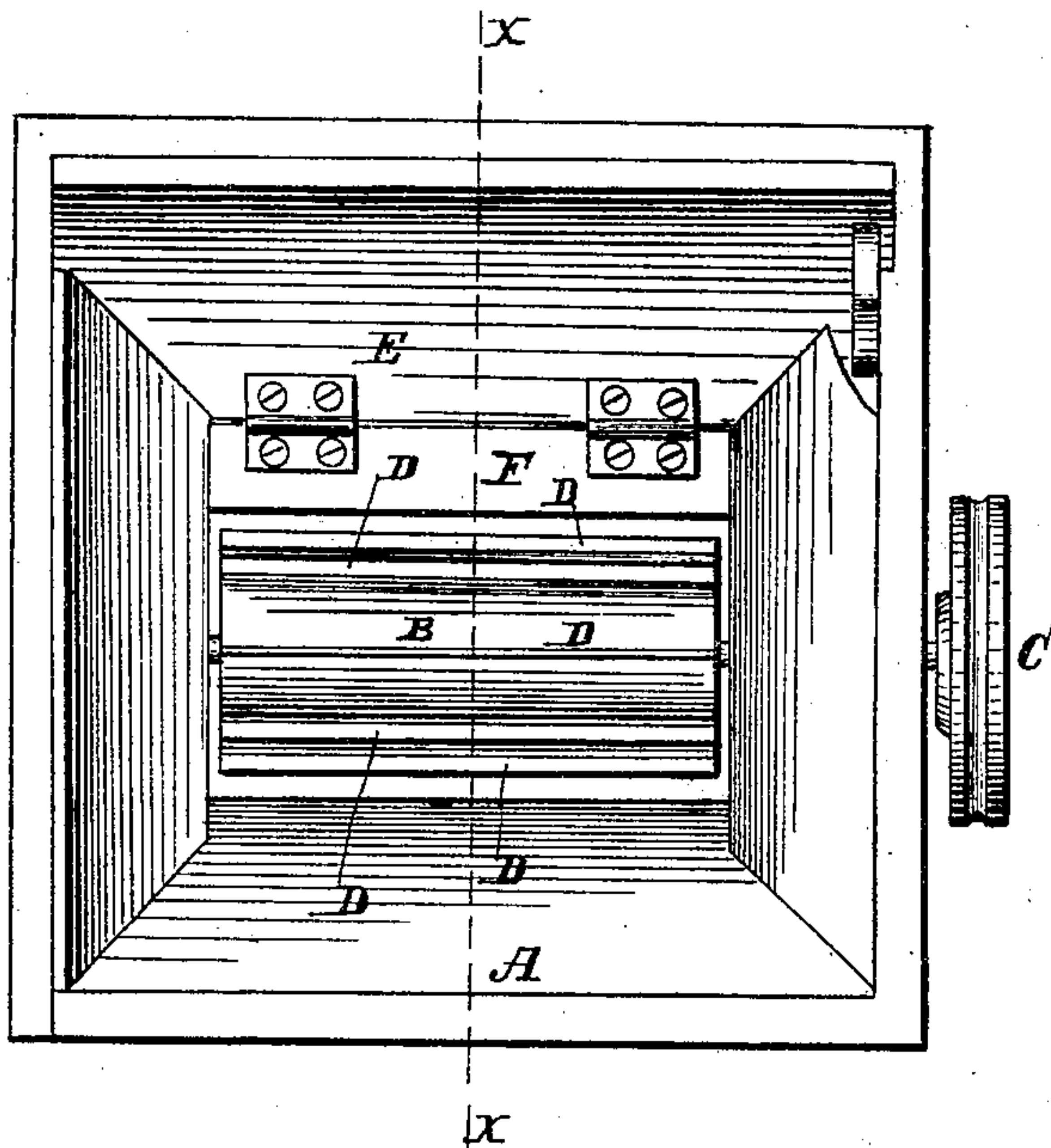
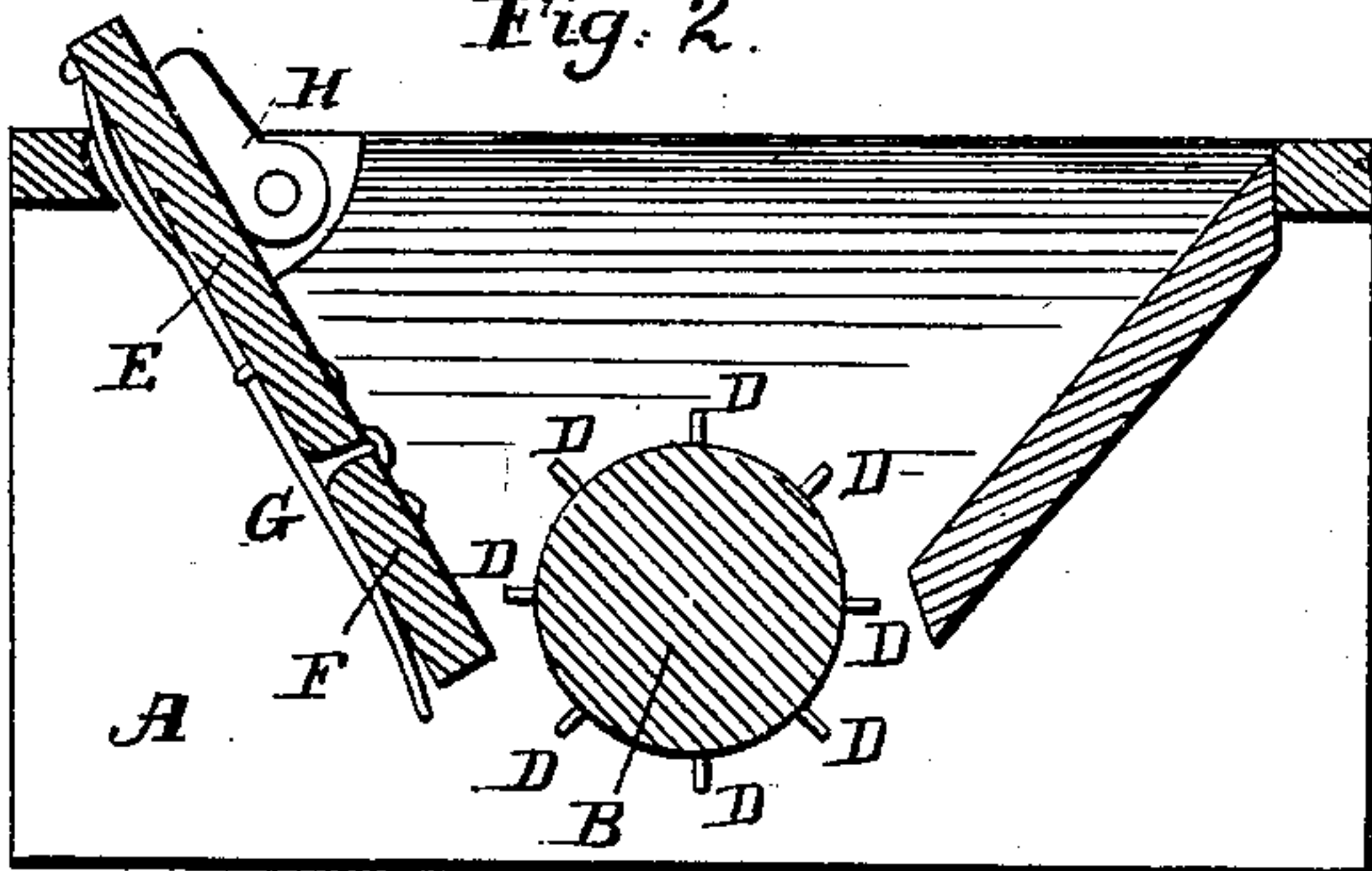


Fig. 2.



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# United States Patent Office.

LE ROY FARNHAM AND JOHN MOSHER, OF DELTA, MICHIGAN.

*Letters Patent No. 89,643, dated May 4, 1869.*

## IMPROVEMENT IN FANNING-MILLS.

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

### *To whom it may concern:*

Be it known that we, LE ROY FARNHAM and JOHN MOSHER, of Delta, in the county of Eaton, and State of Michigan, have invented a new and useful Improvement in Fanning-Mills; and we do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 is a top view of our invention, and

Figure 2 is a vertical section of the same, in line  $x$ , fig. 1.

Like letters indicate like parts in each figure.

The nature of this invention relates to an improvement to be attached to the hopper of a fanning-mill, by means of which the size of the throat will be automatically regulated, to suit the size of the grain to be passed through it, and to assist in getting rid of all foul substances in the grain.

It consists of a flanged feed-wheel, revolving in the bottom of the hopper, upon a suitable shaft, properly journaled into the sides of said hopper, and provided with a pulley, by means of which said feed-roller is driven; also, of a slide, fitting into grooves in the sides of the hopper, and held in any desired position by a cam.

This slide is made in two pieces, the lower being hinged to the upper; and a spring secures the lower

piece in position, with its lower edge near the feed-roller.

A, in the drawings, is a hopper of a fanning-mill.

B is a feed-roller, revolving upon a suitable shaft, journaled in the sides of the hopper, and provided with a suitable driving-pulley, C.

This roller is provided with flanges, D, arranged longitudinally along its periphery, and, in its revolution, carries the grain to the throat of the hopper.

E is the slide, which fits and operates in proper grooves in the ends of the hopper.

F is the spring-board continuation of the slide, to which it is hinged.

G is a spring, the upper end being secured to the slide E, while the lower end impinges against the lower edge of the spring-board, as described.

H is a cam, pivoted to the end of the hopper, to hold the slide E in place.

What we claim as our invention, and desire to secure by Letters Patent, is—

In a grain-feeder of substantially the described construction, the slide E, held by the cam H, in the manner described, for the purpose set forth.

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Witnesses:

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