(No Model.)

G. W. WILSON.

GRINDING MILL.

No. 264,394. Patented Sept. 12, 1882.

fig. 1.

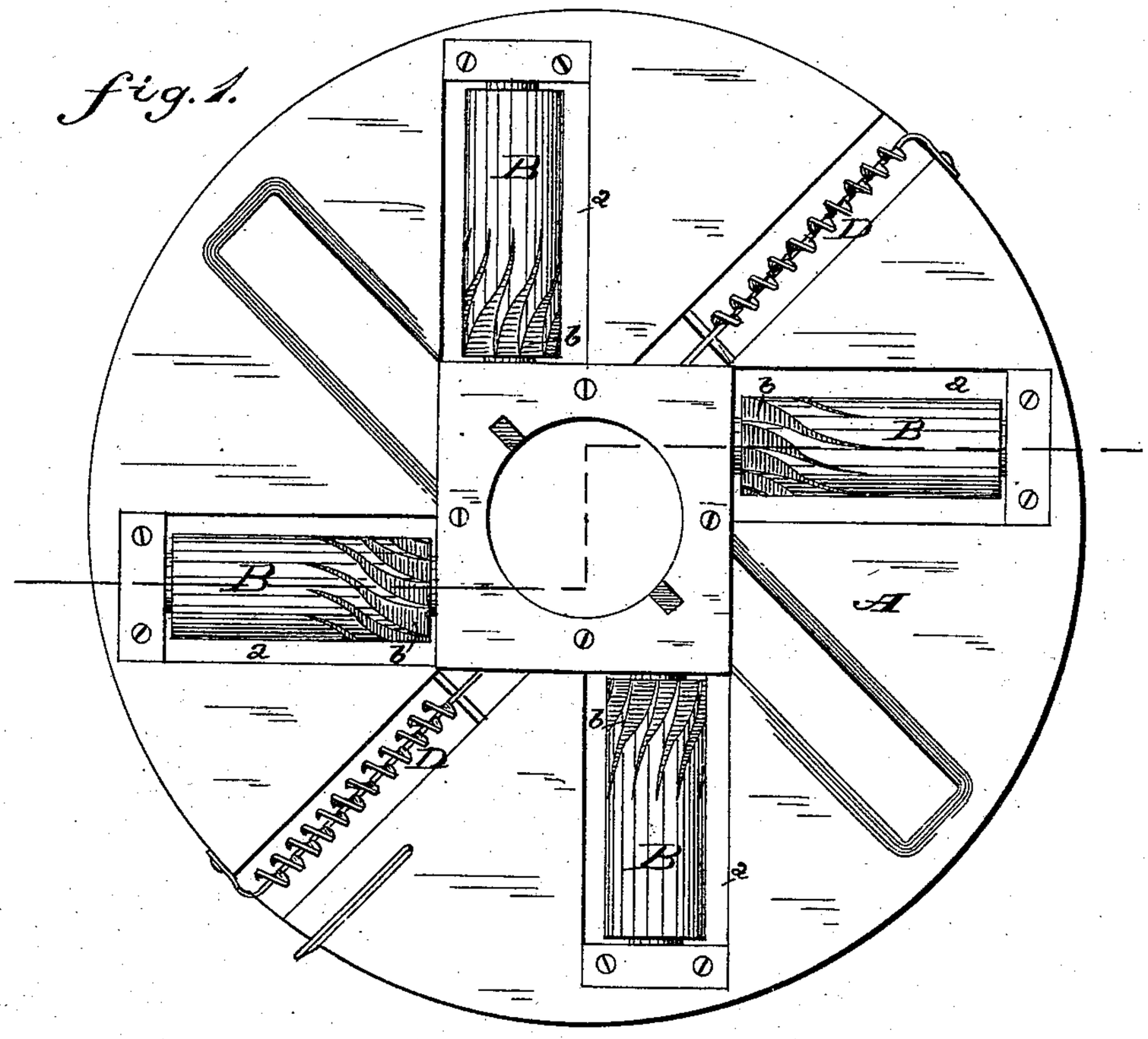


fig. 2.

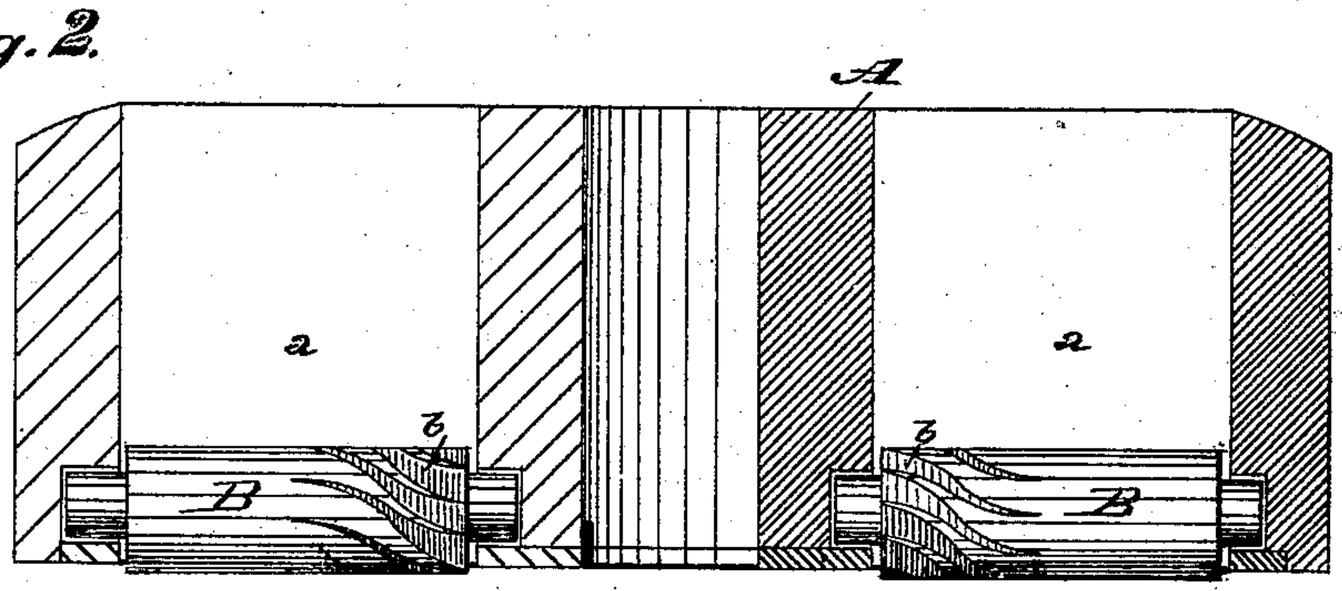
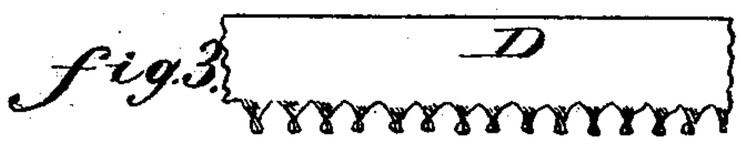


fig. 3.



WITNESSES:

C. Sedgwick

INVENTOR:

G. W. Wilson

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE W. WILSON, OF LANESBOROUGH, MINNESOTA, ASSIGNOR OF ONE-HALF TO BUEL A. MAN, OF SAME PLACE.

GRINDING-MILL.

SPECIFICATION forming part of Letters Patent No. 264,394, dated September 12, 1882.

Application filed May 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. WILSON, of Lanesborough, in the county of Fillmore and State of Minnesota, have invented certain new and useful Improvements in Grinding-Mills, of which the following is a full, clear, and exact description.

My improvements relate to mills for cracking and flouring wheat and other grain; and the invention consists in the peculiar construction and arrangement of parts, as hereinafter more fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of my improved mill-runner. Fig. 2 is a transverse section of the same. Fig. 3 is a side view of the drags which I employ.

A is the runner, which may be an ordinary runner or top stone of a set of mill-burrs; or the runner may be constructed of metal and used with either a bed-stone or a bed-plate of metal.

B B are rolls set in recesses *a* of the runner, and sustained by suitable bearings at their ends, so that the rolls are held with their axles parallel to the face of the runner and with one side of the rolls projecting slightly below the face of the runner. Four rolls, B, are used, preferably placed equidistant and parallel to radial lines. These rolls are fluted or grooved at their inner ends, as shown at *b*, the grooves or flutes extending about one-third the length of the roll.

D D are drags for carrying the material from the eye to the rim of the runner. There may be one, two, or more of these drags, and they are placed midway between the rolls B in recesses formed in the runner. The drags consist of metal plates cut out on one edge to form teeth that are bent at the inclination required, and to obtain proper draft the drags may be set at any required inclination.

The runner is constructed with a central aperture, as usual, and will be fitted for adjustment to and from the bed stone or plate, according as to whether the grain is to be cracked or more or less reduced or floured.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the runner A, of the rolls B and drags D, inserted in radial recesses in the runner, between the rolls B, and provided on their lower edges with inclined teeth, substantially as shown and described.

GEORGE W. WILSON.

Witnesses:
H. G. DAY,
W. B. ANDERSON.