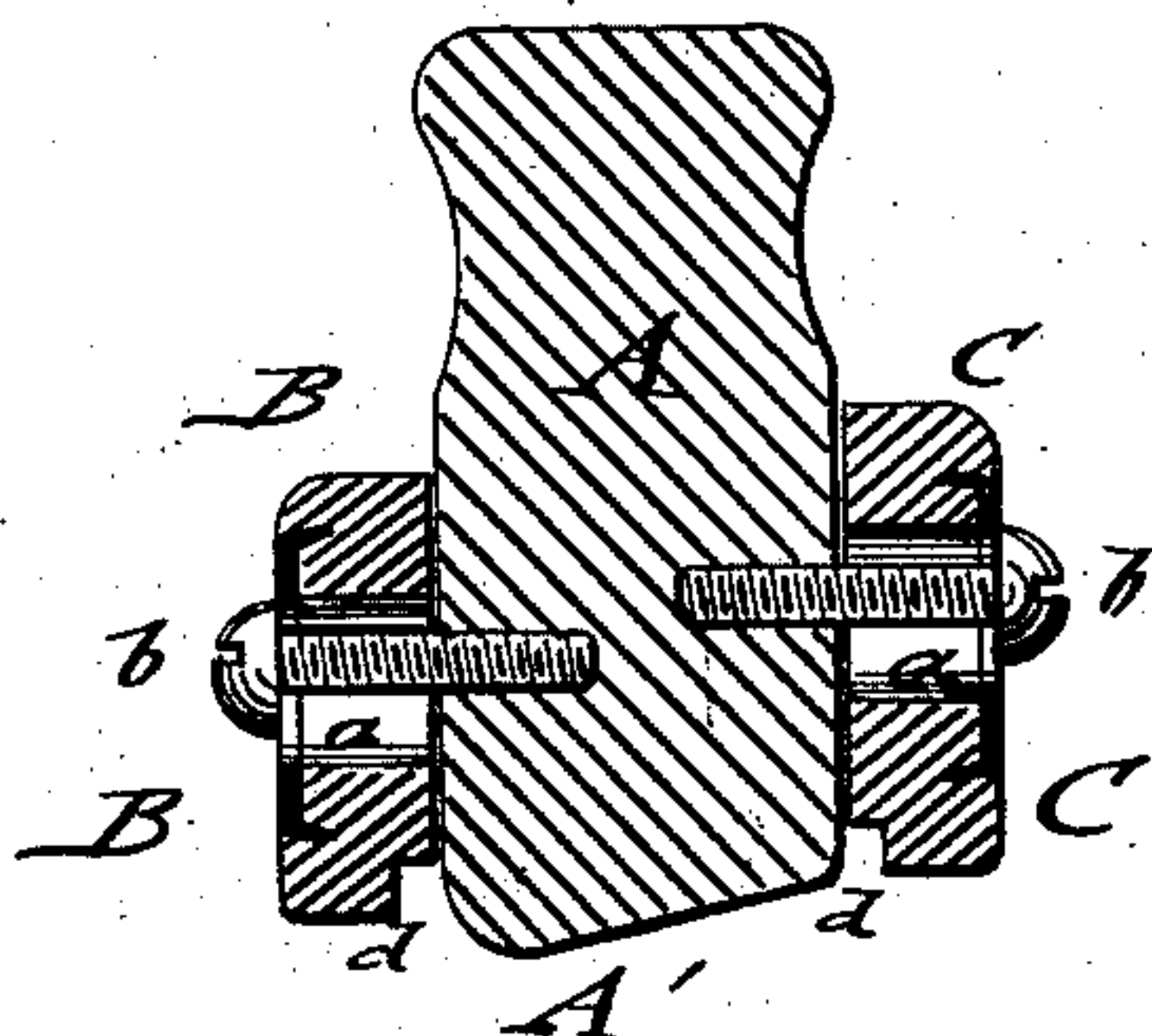
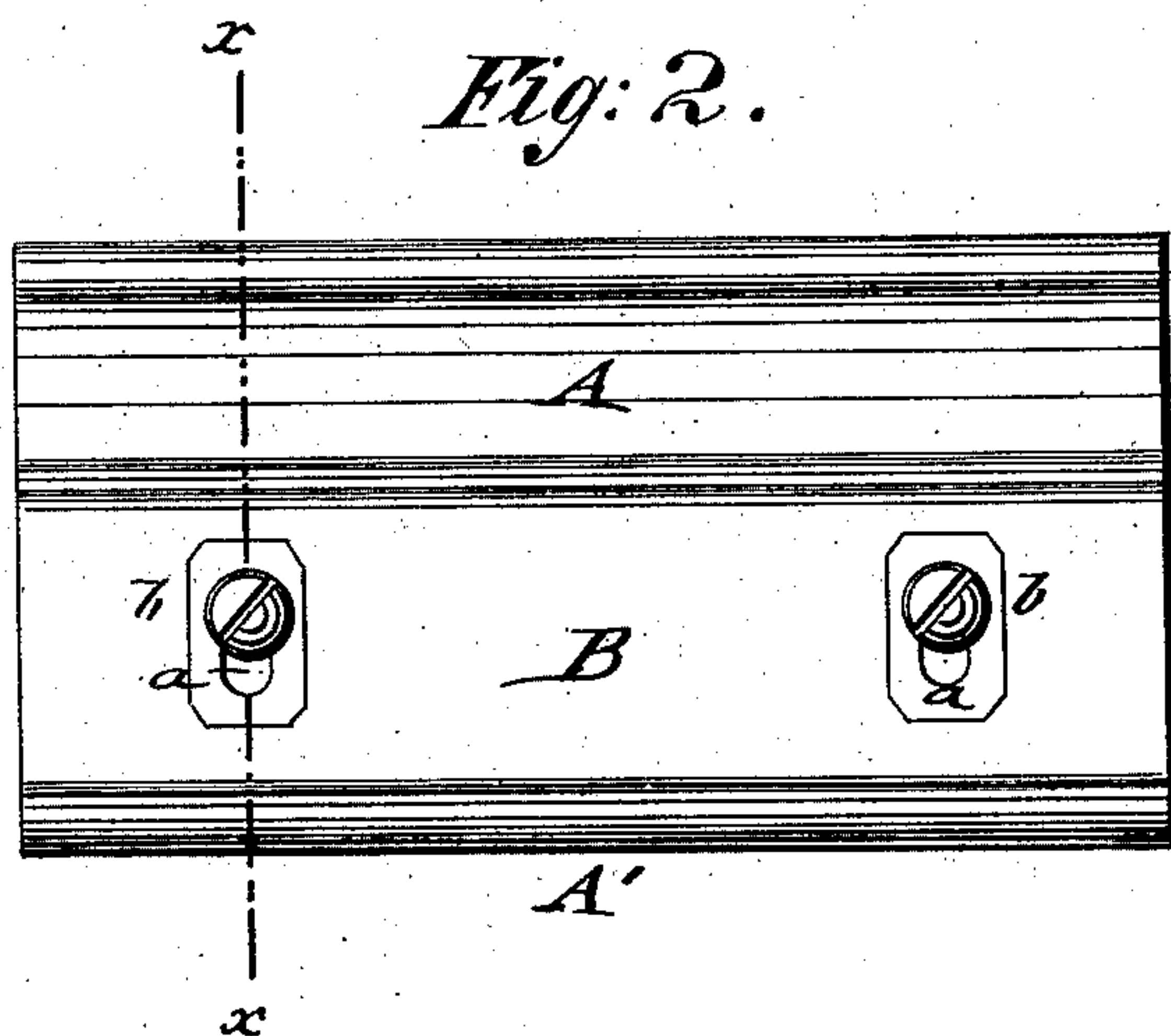


H. D. ALTFATHER.  
Furrow-Gage Staff for Dressing Millstones.  
No. 209,373. Patented Oct. 29, 1878.

*Fig: 1.*



*Fig: 2.*



WITNESSES:

*Achilles Soehle.*  
*C. Sedgwick.*

INVENTOR:

*H. D. Altfather*  
BY *Mum Co*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

HENRY D. ALTFATHER, OF MAQUOKETA, IOWA, ASSIGNOR TO CYRUS  
CORT, OF SAME PLACE.

## IMPROVEMENT IN FURROW-GAGE STAFFS FOR DRESSING MILLSTONES.

Specification forming part of Letters Patent No. **209,373**, dated October 29, 1878; application filed  
September 7, 1878.

*To all whom it may concern:*

Be it known that I, HENRY D. ALTFATHER, of Maquoketa, in the county of Jackson and State of Iowa, have invented a new and Improved Furrow-Gage Staff, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a vertical transverse section of my improved furrow-gage staff on line *x x*, Fig. 2. Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

This invention is intended to provide for the purpose of gaging the furrows of a millstone an improved gage-staff, by which all the furrows may be quickly gaged and then cut exactly alike in width and depth; and the invention consists of a staff with adjustable side strips or rests, the bottom of the staff being made in the shape of the furrow.

Referring to the drawings, A represents the staff of my improved device for gaging the furrows of millstones, and B and C are side strips or rests, which are made adjustable by means of slots *a* and clamp-screws *b* for a greater or less depth of furrow. The upper part of the staff A is concaved or indented at the sides, so as to be conveniently taken hold of, while the bottom A' of the staff corresponds in shape to the shape of the furrow. The side rests, B and C, have longitudinal recesses *d* at the lower inside corners, to facili-

tate the painting of the bottom of the staff A without getting any paint on the bottom of the rests B and C, so that the burr shall not be painted outside of the furrows.

In order to suit the different widths of furrows used on different stones, the staffs will be made of different thicknesses.

The side rests are adjusted to the proper position at the sides of the staff to obtain the desired depth of furrows.

The bottom of the staff is painted, and the gage device then passed over the furrows.

The uneven spots are covered with paint, and are then picked down. This is repeated until the staff will paint no more, in which case all the furrows are alike, so that each performs its share of the work, grinds the meal even, with less specks, makes cleaner bran, and furnishes a better grade of flour.

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

A furrow-gage staff consisting of a center staff, whose bottom corresponds to the shape of the furrow, and of adjustable side strips or rests, substantially as and for the purpose specified.

HENRY D. ALTFATHER.

Witnesses:

S. M. ROFF,

J. K. NICKERSON.

*500. w. 1878*