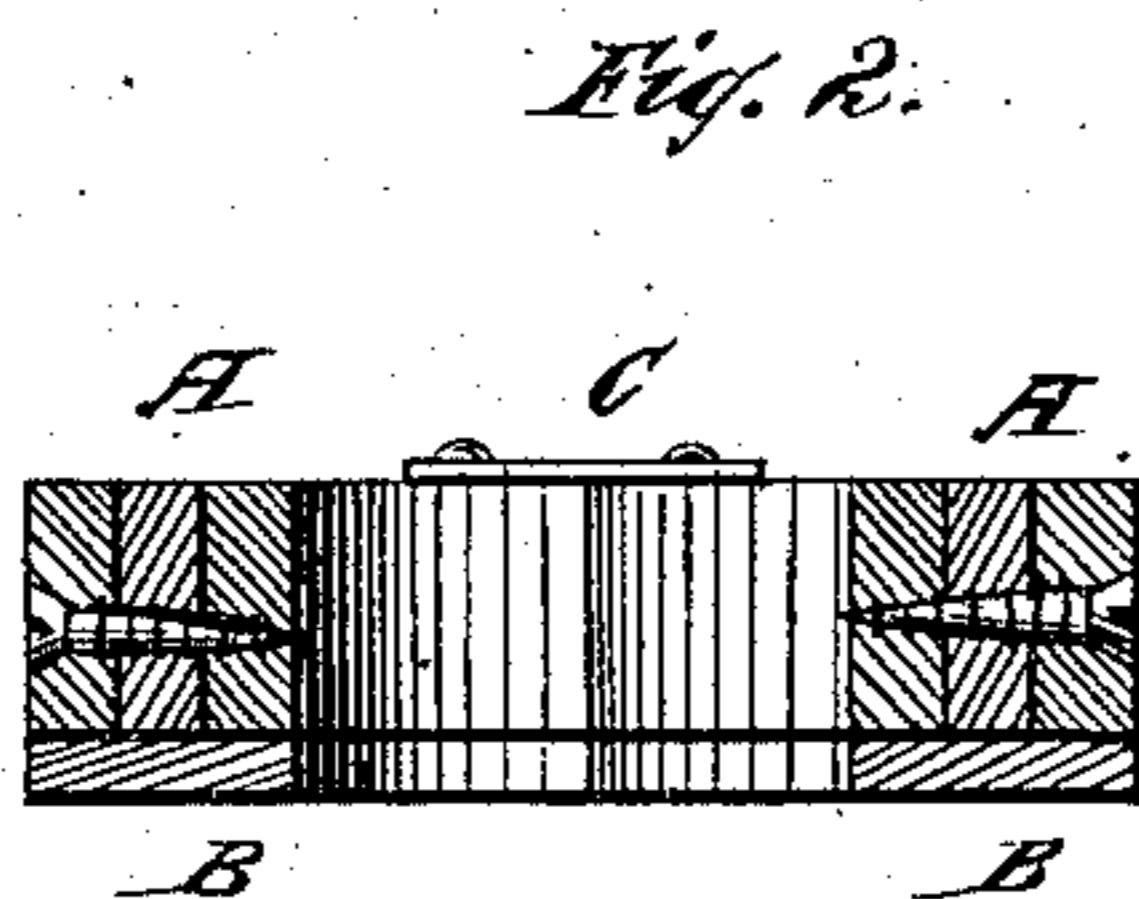
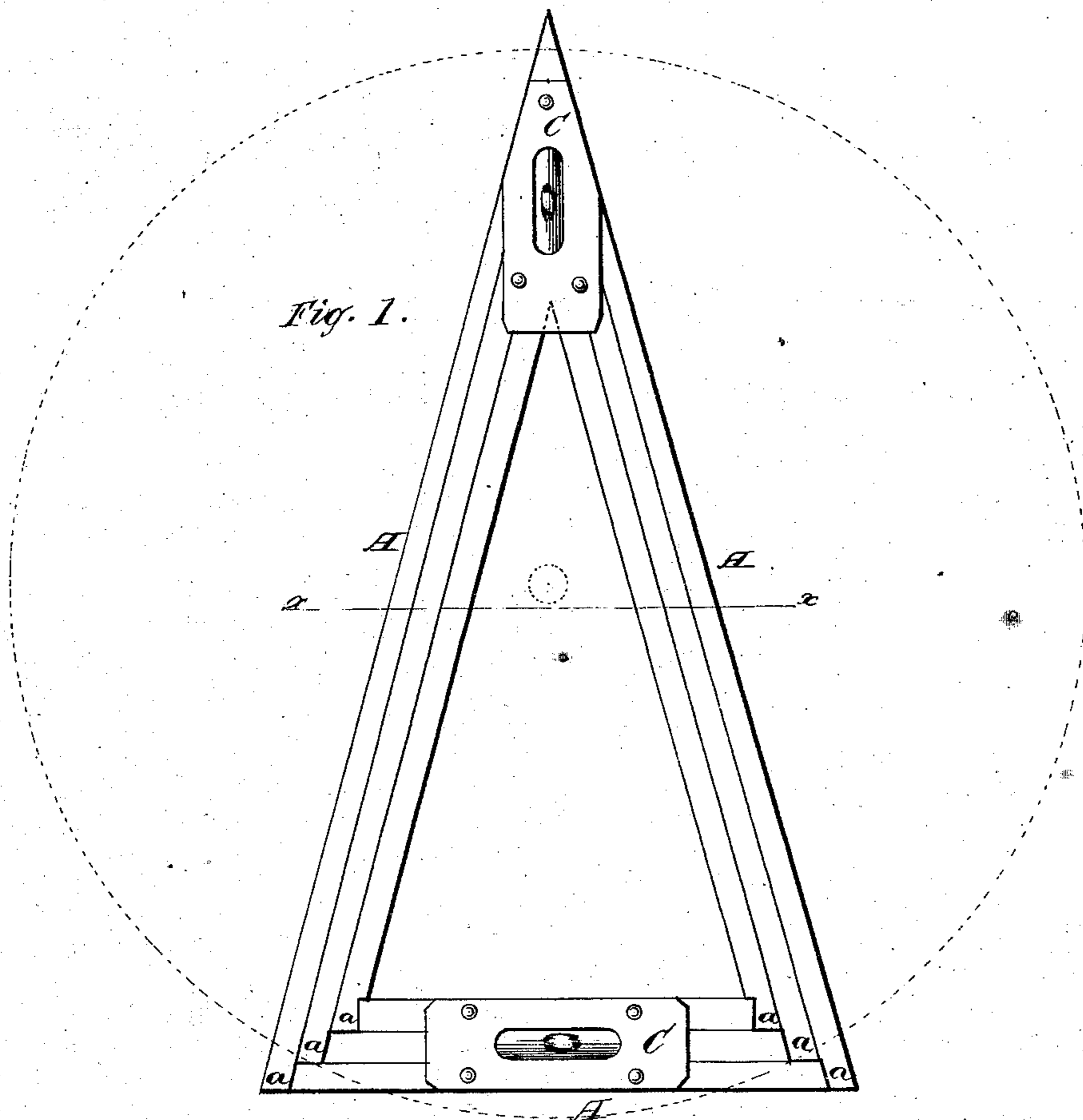


W. RANSOM.  
 Millers' Paint-Staff.

No. 161,155.

Patented March 23, 1875.



WITNESSES:

*J. C. Dietrich*  
*W. C. McArthur*

INVENTOR

*Wm Ransom*

*per: C. H. Watson & Co.*  
 ATTORNEYS

# UNITED STATES PATENT OFFICE.

WILLIAM RANSOM, OF NOAH, INDIANA.

## IMPROVEMENT IN MILLERS' PAINT-STAFFS.

Specification forming part of Letters Patent No. **161,155**, dated March 23, 1875; application filed September 21, 1874.

*To all whom it may concern:*

Be it known that I, WILLIAM RANSOM, of Noah, in the county of Shelby and State of Indiana, have invented certain new and useful Improvements in Red-Staff for Millstones; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a red-staff for millstones, as will be hereinafter more fully set forth.

In the accompanying drawing, Figure 1 is a plan view, and Fig. 2 is a section of one of the sides.

My improved red-staff is made in triangular form, as shown, open in the center, each side of the triangle being made of three strips, A, of wood, fastened together by screws or other suitable means, and arranged with the grain of the wood running in different directions. The sides of the triangle are united together in step form, forming shoulders *a a*. The under side of the triangle is lined with strips B, covering the edges of the side strips A. By this construction there is no liability of the staff getting out of order by shrinking and swelling, and consequent warping. In the base of the triangle is inserted a spirit or water level, C, and in the apex of the triangle a similar level is inserted, the two levels being set at right angles with each other.

This red-staff is used for the same purpose as other devices of the same kind—namely, for truing millstones—and possesses great advantages over those now generally in use. It trues from three points, and having a large amount of surface covered at the center of the stone where unevenness often is found, this is easily detected, as well as all high spots near the eye. The levels, being set at right angles, command the entire face of the stone, and the level is found at all points without moving the instrument. As the entire surface of the staff rests upon the stone, having no pivoted center, the unevenness is at once detected by such construction in connection with the levels set at right angles to each other.

I am aware that rectangular staffs have been used, and also a staff of triangular form turning upon a central pivot, and I lay no claim to such device; but

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

A red-staff for millstones, made in triangular form, each side of the triangle being composed of a series of strips, A, set on edge, and a flat strip, B, covering their edges, and the sides joined together, all as and for the purpose herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM RANSOM.

Witnesses:

O. M. SLEETH,  
FORREST KENNEDY.