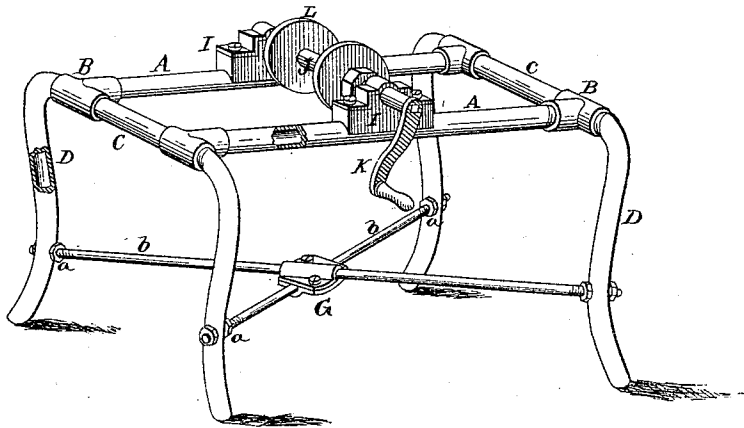


J. E. De FREEST.
GRINDSTONE FRAME.

No. 181,919.

Patented Sept. 5, 1876.



WITNESSES

Henry N. Miller
C. R. Evers.

INVENTOR

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UNITED STATES PATENT OFFICE.

JEROME E. DE FREEST, OF TROY, NEW YORK, ASSIGNOR OF ONE-HALF HIS
RIGHT TO JONES W. LAWRENCE, OF SAME PLACE.

IMPROVEMENT IN GRINDSTONE-FRAMES.

Specification forming part of Letters Patent No. **181,919**, dated September 5, 1876; application filed
March 21, 1876.

To all whom it may concern:

Be it known that I, JEROME E. DE FREEST, of Troy, in the county of Rensselaer, and in the State of New York, have invented certain new and useful Improvements in Tubular Folding Grindstone-Frames; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction of a tubular frame for grindstones, as will be hereinafter more fully set forth.

The annexed drawing represents a perspective view of my invention.

A A represent two parallel tubes or gas-pipes, connected by ordinary T-joints B with two shorter ends, C C, forming a tubular frame. In the outer ends of the T-joints B are inserted tubular legs D D, for supporting the frame, said legs being connected by diagonal rods or braces *b b*, the ends of which pass through the legs, and are held by nuts *a a*, as shown. In the center, where the braces *b b* cross each other, they are connected by a clamp,

G, making the frame perfectly rigid. On the side tubes A A are secured suitable boxes I, in which the shaft J has its bearings, said shaft being at one end provided with a crank, K, and having one or more grindstones, L, secured on it.

This frame may be folded by simply removing the braces *b b*, when the legs can be turned in under the frame.

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

The combination, in a grindstone-frame, of the parallel tubes A A, provided with boxes I I, the T-joints B B, end tubes C C, tubular legs D D, diagonal braces *b b*, and central clamp G, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 3d day of March, 1876.

JEROME E. DE FREEST.

Witnesses:

JNO. H. O'BRIEN,
A. K. LAMPORT.