W. H. Mossteller,

Grindstone Tool Rest.

No. 102,420. Patented Apr. 26. 1870.

Fig. 1.

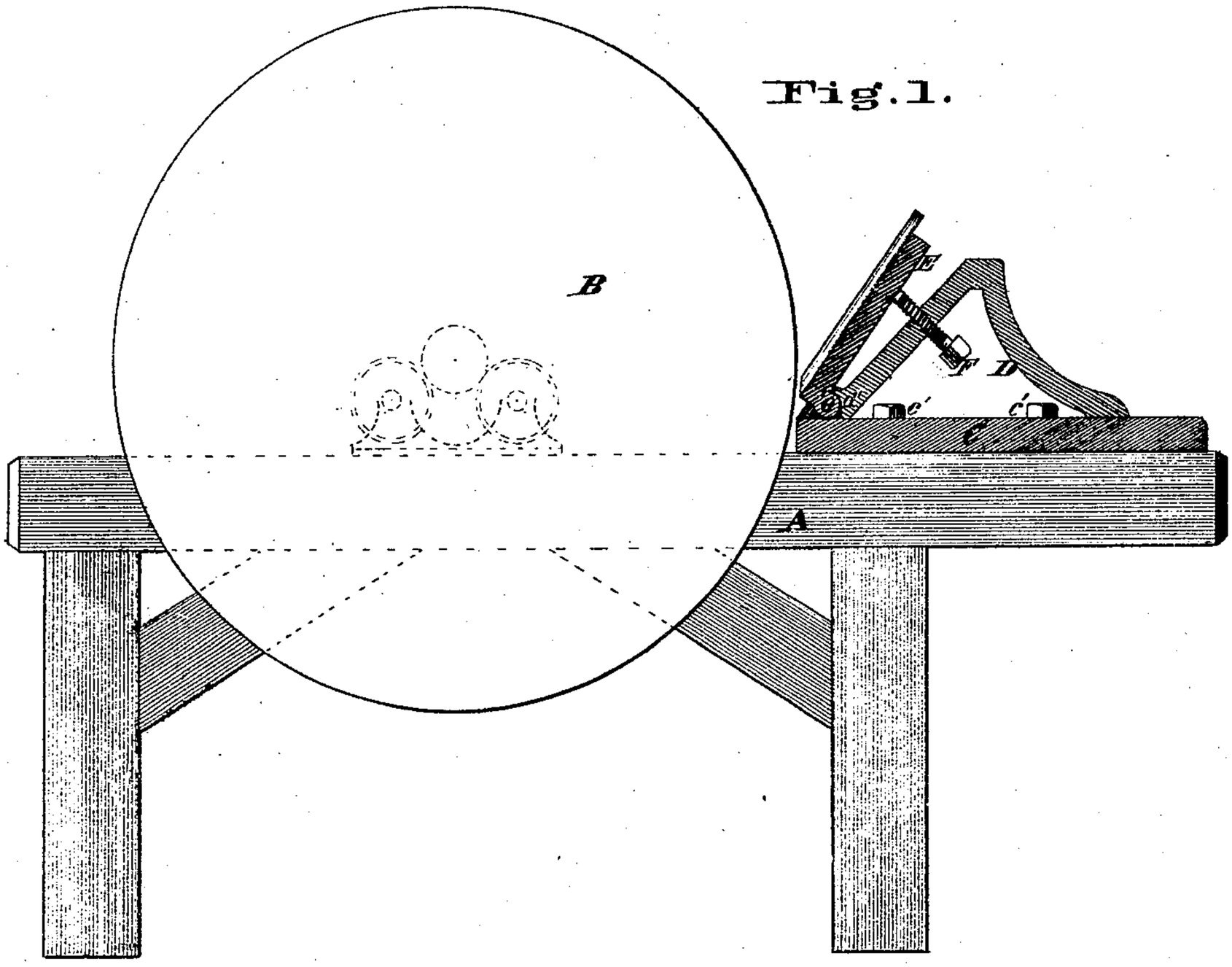
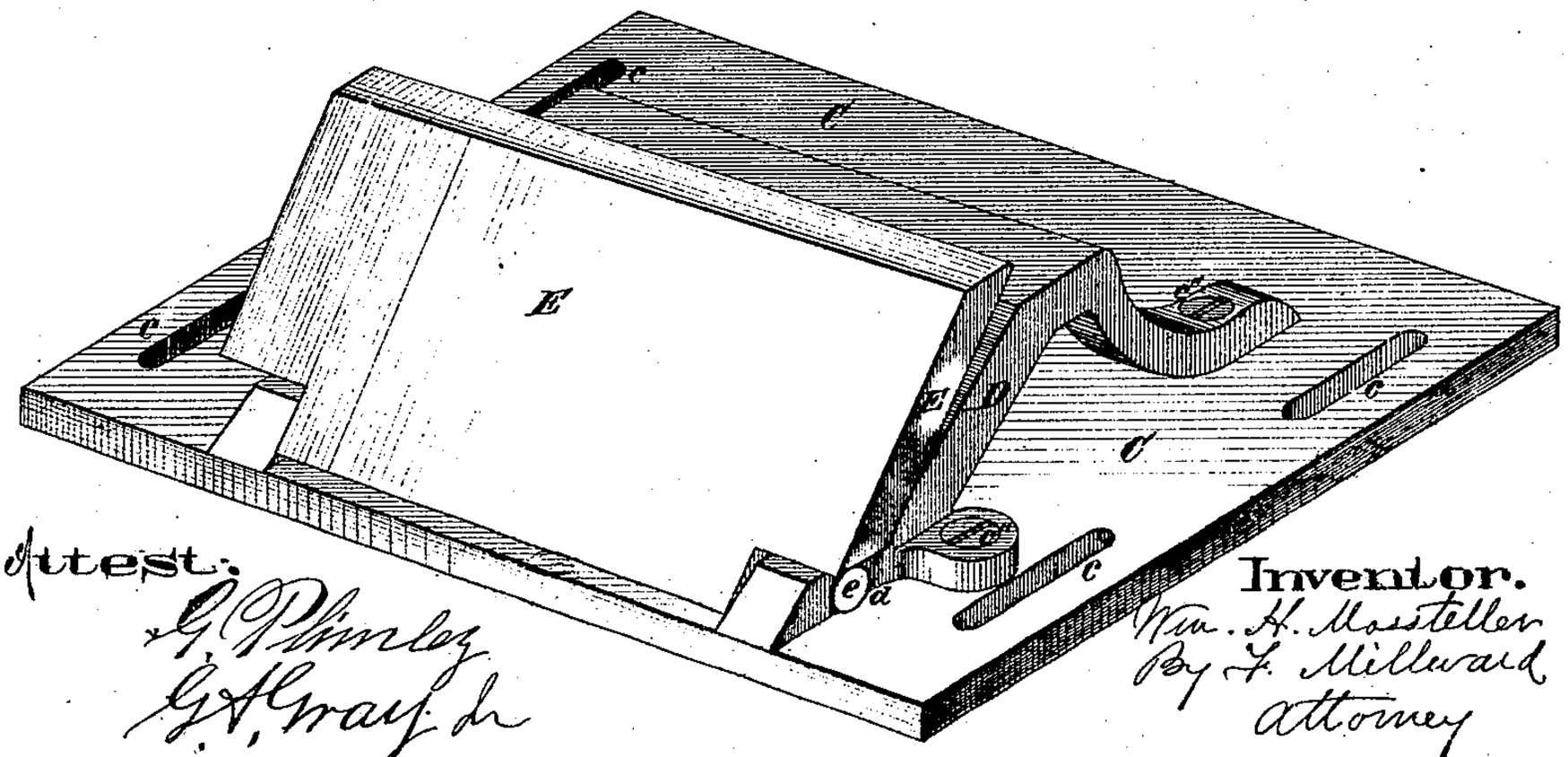


Fig. 2.



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Letters Patent No. 102,420, *dated April* 26, 1870.

IMPROVEMENT IN TOOL-REST FOR GRINDSTONES.

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

To all whom it may concern:

Be it known that I, WILLIAM H. MOSTELLER, of Sharonville, Hamilton county, State of Ohio, have invented certain new and useful Improvements in Bevel Tool-Rests for Grindstones; and I hereby declare the following to be a sufficiently full, clear, and exact description thereof, to enable one skilled in the art to which my invention appertains to make and use it, reference being had to the accompanying drawings making part of this specification.

This invention relates to a tool-rest for grindstones; and

It consists in the construction and relative arrangement of the parts of which it is composed, as will be more specifically set forth hereinafter.

In the accompanying drawings illustrative of my invention—

Figure 1 is a sectional elevation of the rest in position on the frame of the grindstone.

Figure 2 is a detached perspective view of the rest.

A is the frame of an ordinary grindstone, and

B, the stone, resting, by means of its axle, on the customary anti-friction rollers.

C is a plate or frame provided with slots *c* for the insertion of screws *c'*, for the attachment of the plate to the grindstone-frame.

D is a metallic frame secured to the plate C by screws *c''*.

The frame D is formed with journal-bearings *d d'*, for the reception of the journal-projections *e e'* of the plate E, and is also provided with adjusting-screws F for setting the plate E to any required angle.

It will be seen that the plate E, by turning or hinging upon the journals *e*, can be adjusted to support the tools to be ground in any required position with relation to the stone, so that chisels, plane-bits, &c., can be ground to any angle desired. The tool at the same time is fully supported upon the rest, and is, therefore, not permitted to wear away the stone unevenly.

This rest, furthermore, by steadily and firmly supporting the tool to be ground, enables the operator to handle the tool with one hand, and thus releases the other hand for use in turning the crank of the stone.

With this bevel-rest attachment to a grindstone, the crank will, therefore, be used to operate the stone in preference to the treadle. As the stone wears, the plate C is set forward, the slots *c* providing for it.

I claim herein as new and of my invention—

The tool-rest for grindstones, herein described, consisting of the slotted bed-plate C *c*, frame D, hinged plate E, and adjusting screws F, all the parts being constructed and arranged relatively to each other, as set forth.

In testimony of which invention I hereunto set my hand.

WILLIAM H. MOSSTELLER.

Witnesses:

FRANK MILLWARD,

J. L. WARTMANN.