

EDWARD F. EDGECOMB.  
Improvement in Tool Holders for Grinders.

No. 121,766.

Patented Dec. 12, 1871.

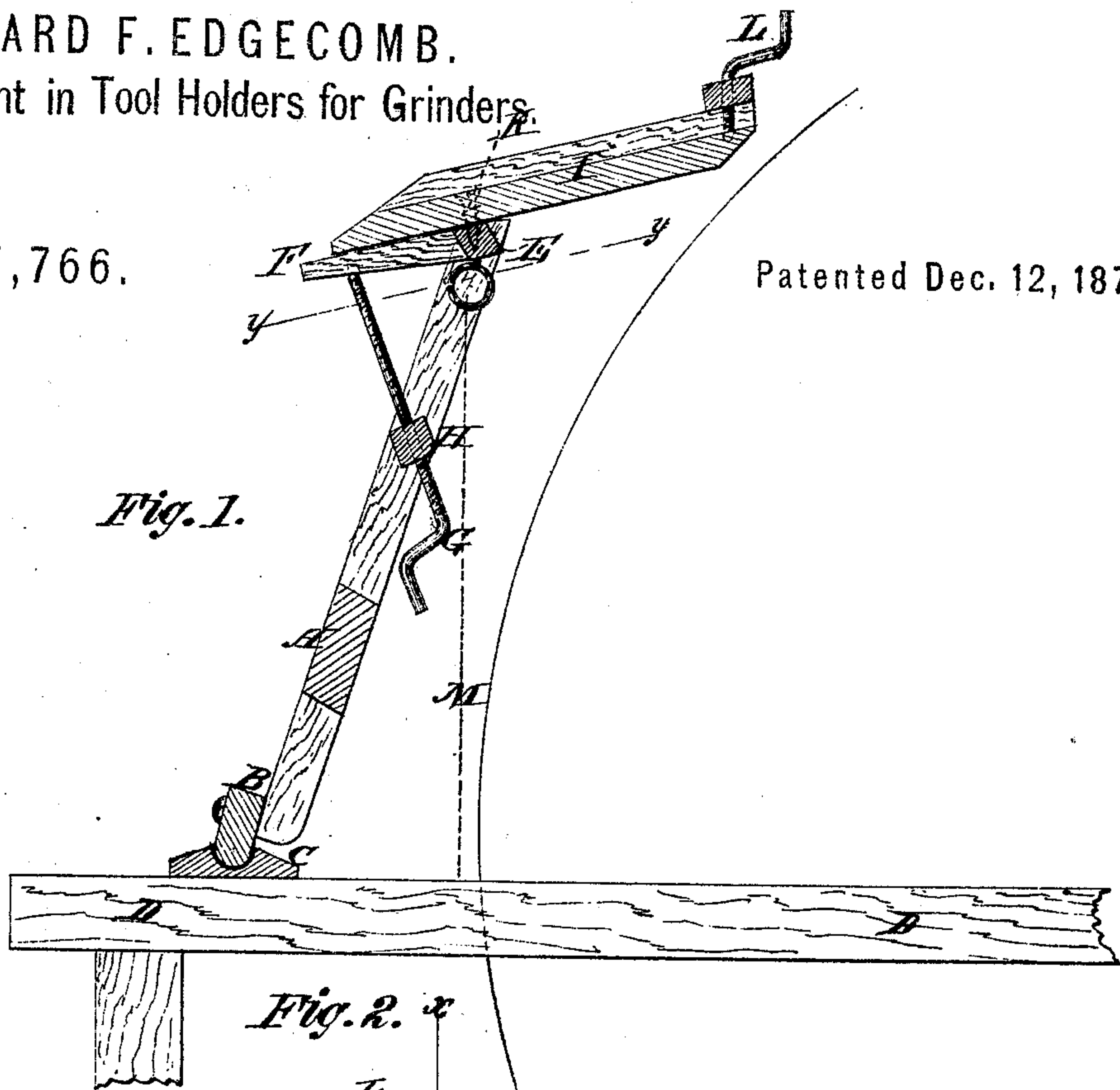


Fig. 1.

Fig. 2. x

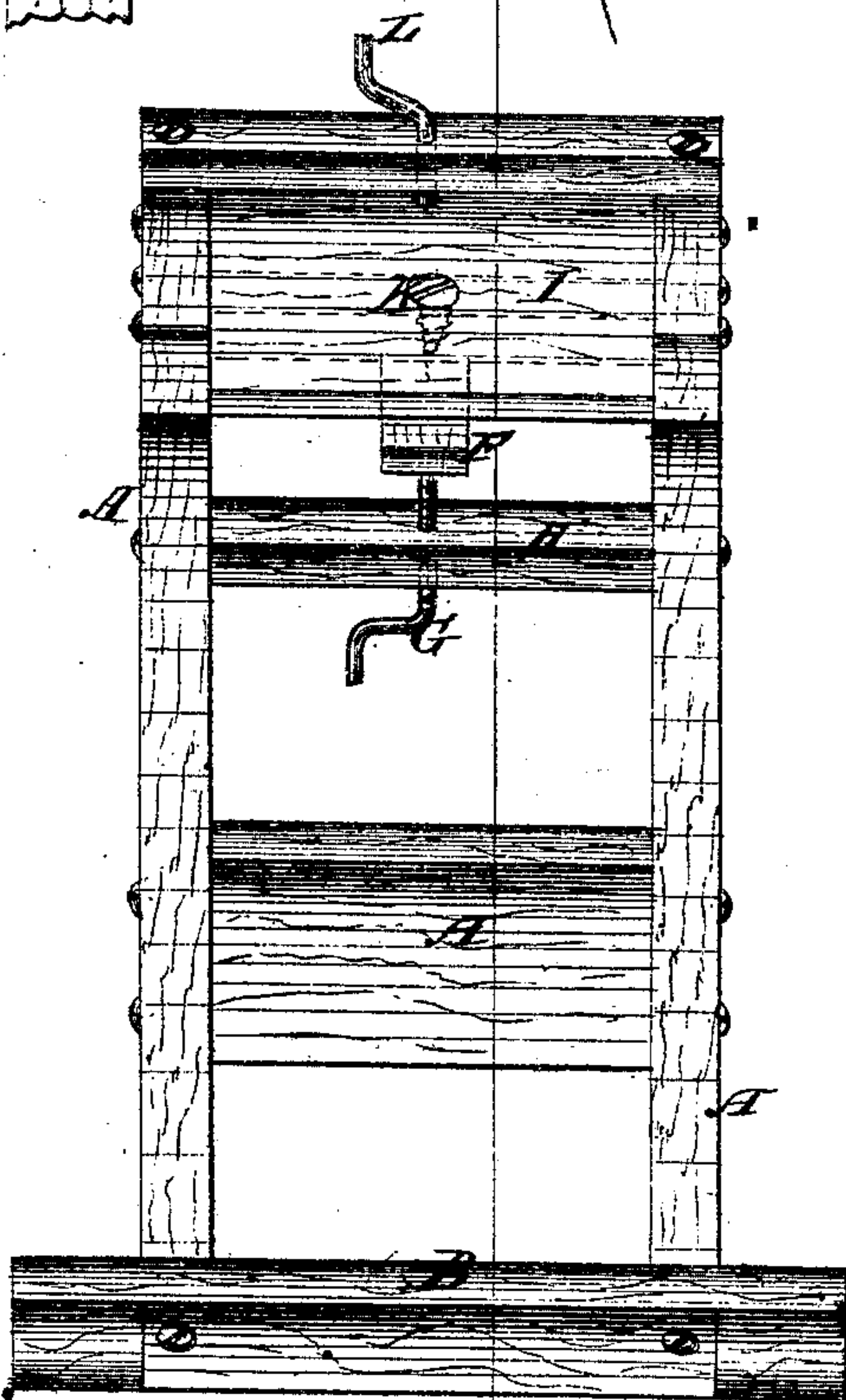
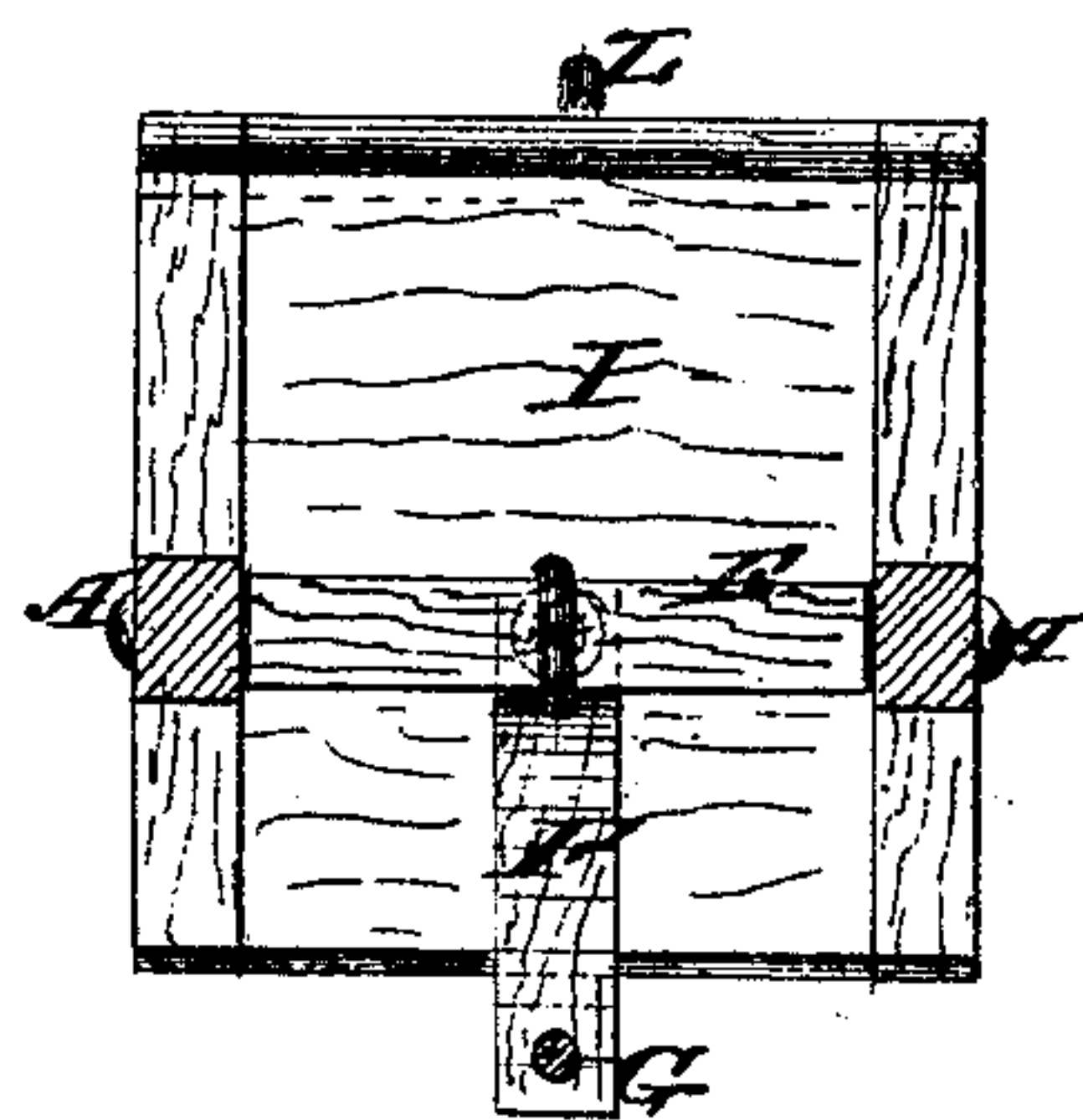


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

EDWARD F. EDGECOMB, OF MECHANIC'S FALLS, MAINE.

## IMPROVEMENT IN TOOL-HOLDERS FOR GRINDERS.

Specification forming part of Letters Patent No. 121,766, dated December 12, 1871.

*To all whom it may concern:*

Be it known that I, EDWARD F. EDGECOMB, of Mechanic's Falls, in the county of Androscoggin and State of Maine, have invented a new and useful Improved Tool-Holder for Grindstones; 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 make and use the same, reference being had to the accompanying drawing forming a part of this specification.

My invention consists of a stand to rest on the grindstone-frame by a cross-bar fitted in bearings to hold it in a leaning position and allow it to be adjusted sidewise, on the top of which stand is an oscillating beam with an adjusting-screw, and on the beam is a tool-holding clamp inclining still more toward the stone and pivoted to the said oscillating beam so that it may be oscillated to grind the tool rounding on the end, all as herein-after more fully described.

Figure 1 is a sectional elevation of my improved tool-holder and side elevation of part of a grindstone, the section being taken on the line *x x* of Fig. 2. Fig. 2 is a front elevation, and Fig. 3 is a section of Fig. 1 on the line *y y*.

Similar letters of reference indicate corresponding parts.

A is the stand, which has a cross-bar, B, at the lower end, resting in the bearings C upon the top of the grindstone-frame D, near one end and fronting the face of the stone, the arrangement being such that the stand can be readily shifted sidewise. E is an oscillating beam at the top of the stand, with an arm, F, projecting frontwise, to be

acted on by an adjusting-screw, G, which screws up and down through the cross-piece H to raise and lower the arm and oscillate the beam E. I is a tool-holding clamp pivoted at K to the beam E, and adjusted so as to pitch forward toward the face of the stone at the top. It is provided with a binding-screw, L, at the upper end, under which the tool is placed and clamped down tight, to be held on the stone. This holder, having a tool placed in it—say a plane iron—and resting in the bearings C, will be leaned toward the stone till the tool comes in contact with it. Then the adjusting-screw G will be screwed up or down, according as to whether the edge is to be blunt or thin, and then the holder will be pressed against the stone by hand; or this may be done by a weight suspended from the beam E, as indicated by the dotted line M. The holder may be shifted sidewise on the bearings to grind evenly on both sides of the stone; and if the edge is to be slightly rounded or the corners rounded off the holder I will be oscillated on the pivot K.

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

The improved tool-holder for grindstones, consisting of the stand A, cross-bar B, bearings C, holder I, oscillating beam E, arm F, adjusting-screw and binding-screw L, the holder I being pivoted to the oscillating beam, and all combined and arranged and adapted for application to a grindstone, substantially as specified.

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Witnesses:

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(70)