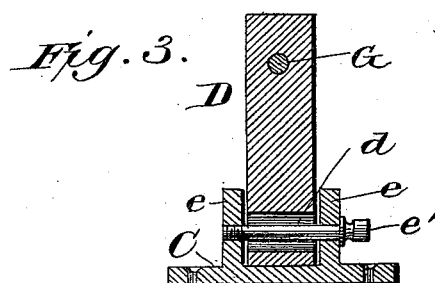
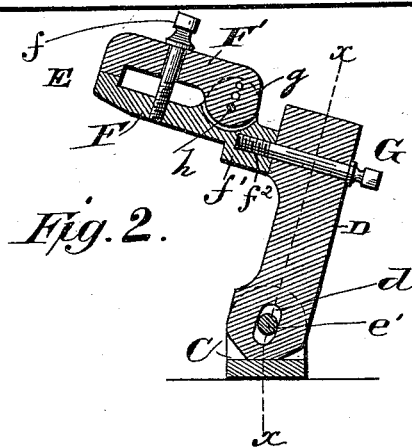
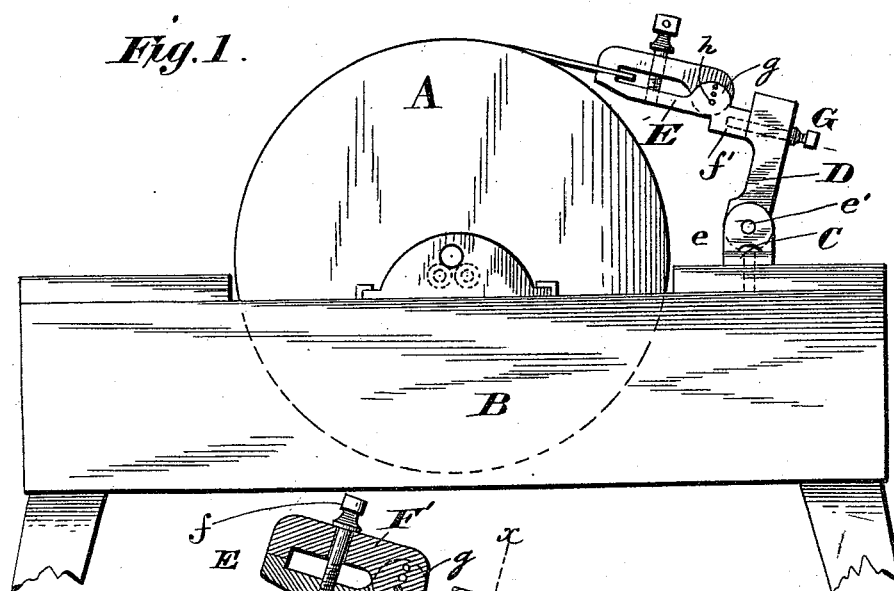


(No Model.)

J. C. RAINEY.
GRINDSTONE ATTACHMENT.

No. 455,113.

Patented June 30, 1891.



WITNESSES.
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UNITED STATES PATENT OFFICE.

JOHN CALVIN RAINEY, OF SAN SABA, TEXAS.

GRINDSTONE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 455,113, dated June 30, 1891.

Application filed December 20, 1890. Serial No. 375,347. (No model.)

To all whom it may concern:

Be it known that I, JOHN CALVIN RAINEY, a citizen of the United States, residing at San Saba, in the county of San Saba and State of Texas, have invented certain new and useful Improvements in Grindstone Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to grindstone attachments, and aims to provide a tool-holder that is capable of adjustment to different-sized stones and for various tools when applied to the frame of a grindstone of a given size.

The improvement consists of the holder, which hereinafter will be more fully described, and particularly claimed, and which is shown in the annexed drawings, in which—

Figure 1 is a side view of the holder, showing its application. Fig. 2 is a vertical section of the holder. Fig. 3 is a cross-section of the base and the vertical standard about on the line X X of Fig. 2.

The grindstone A and the grindstone-frame B are of usual construction, and are shown to illustrate the application of the invention. The holder comprises the base C, standard D, and clamp E. The lower end of the standard is inserted between two ears *e e*, that project up from the base, and is pivotally connected with the said ears by the pin or bolt *e'*, which passes through the said ears and through the standard. The opening *d* in the standard, through which the bolt or pin passes, extends some distance along the length of the standard to permit the latter to have a limited longitudinal, as well as a rotary, movement on the said pin to permit the proper adjustment of the tool to the stone. The clamp is composed of the jaws F and F', the jaw F being relatively fixed and the jaw F' movable and pivotally connected at its rear end with jaw F. The binding-screw *f* passes through jaw F' and screws into the jaw F and clamps the tool between the free ends of the jaws. The jaw

F is provided at its rear end with the head *f'*, which has a threaded opening *f*² to receive the hand-screw G, that passes through an opening in the upper end of the standard D, and with vertical ears *g*, between which the rear end of the jaw F is inserted, the latter being adjustably connected therewith by the pin *h*, which passes through one of the series of openings in the said ears.

The operation of the tool-holder is as follows: The attachment is secured to the grindstone-frame by bolts or other fastenings, which pass through the base C. The tool to be ground is clamped between the jaws F and F' and the hand-screw G is loosened and the clamp turned to the proper angle, after which the hand-screw is tightened and holds the clamp in the desired position. The standard D is turned on its support *e'* to bring the tool in engagement with the grindstone. As the tool is ground the standard D will settle by reason of the oblong opening *d* therein. The projecting end of the hand-screw G serves as a handle to be grasped when operating the holder to properly grind the tool.

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

A tool-holder for the purpose specified, comprising the following instrumentalities: base C, having ears *e e*, standard D, having oblong opening *d*, pin *e'*, connecting lower end of standard D with the ears *e e* and forming a support for the said standard to tilt and move longitudinally on, the clamp E, having the head *f'* at its rear end, which is provided with a threaded opening *f*², and the hand-screw G, passing through opening in the upper end of the standard and into the threaded opening *f*², substantially as described, for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN CALVIN RAINEY.

Witnesses:

W. M. ALLISON,
R. BECKER.