(No Model.)

A. GORDON & J. W. SEE.

LATHE REST.

No. 263,334. Patented Aug. 29, 1882.

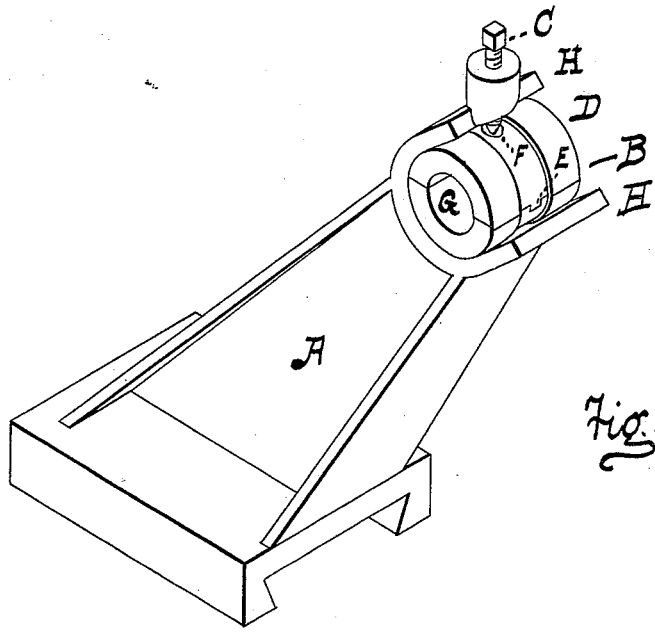

Fig. 1.

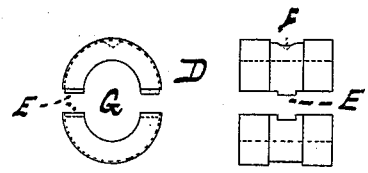

Fig. 2.

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ALEXANDER GORDON, OF CINCINNATI, AND JAMES W. SEE, OF HAMILTON, ASSIGNORS TO THE NILES TOOL WORKS, OF HAMILTON, OHIO.

LATHE-REST.

SPECIFICATION forming part of Letters Patent No. 263,334, dated August 29, 1882.

Application filed April 8, 1882. (No model.)

To all whom it may concern:

Be it known that we, ALEXANDER GORDON, of Cincinnati, Hamilton county, Ohio, and JAMES W. SEE, of Hamilton, Butler county, Ohio, have invented certain new and useful Improvements in Lathe-Rests, of which the following is a specification.

This invention pertains to follow-rests, center-rests, and shafting-rests for lathes.

In the accompanying drawings, Figure 1 is a perspective view of our device applied to a follow-rest, and Fig. 2 is a side and end view of the removable bushes.

A is the body of a rest, in this case a follow-rest, of a lathe. The collar D, having proper hole, G, for the shaft, is supported in a bearing having a throat between the jaws H H, arranged at an angle of about forty-five degrees. The bottom of the bearing is bored to fit the outside of the collar, and the throat is wide enough to permit the entrance and exit of the collar. The collar has a countersink, F, and the bearing has a vertical set-screw, C. The set-screw, when screwed down tightly, holds the collar firmly in place, and when it is backed out the collar and such shaft as may be in it may be lifted out. The collar D is in halves, as shown, and the contacting-surfaces of the halves have a tongue-and-groove joint, which prevents any end motion of one half on the other, but allows one half to adjust itself across the other half. In case the shaft being turned is a trifle loose in the collar the upper half may be compressed into contact with the top of the shaft, and its joint surfaces may, in thus taking a somewhat elliptic form, move transversely over the joint-surfaces of the lower half without distorting the lower half. When the set screw C is backed out the upper half of the collar may be slid horizontally into and out of place.

We claim as our invention—

1. In a lathe-rest to receive collars having a cylindrical exterior, the combination of a collar-bearing having an admission gap or throat arranged at an angle of about forty-five degrees, and a vertical set-screw arranged over the axis of said bearing, substantially as and for the purpose set forth.

2. In a lathe-rest, the combination of a bottom bearing for the collar, a vertical set-screw arranged over the axis of the collar, and a divided collar having a tongue-and-groove joint, substantially as and for the purpose set forth.

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