W. T. Vose,

Lathe Rest,

No. 55,749. Patented June 19, 1866.

Fig: 1

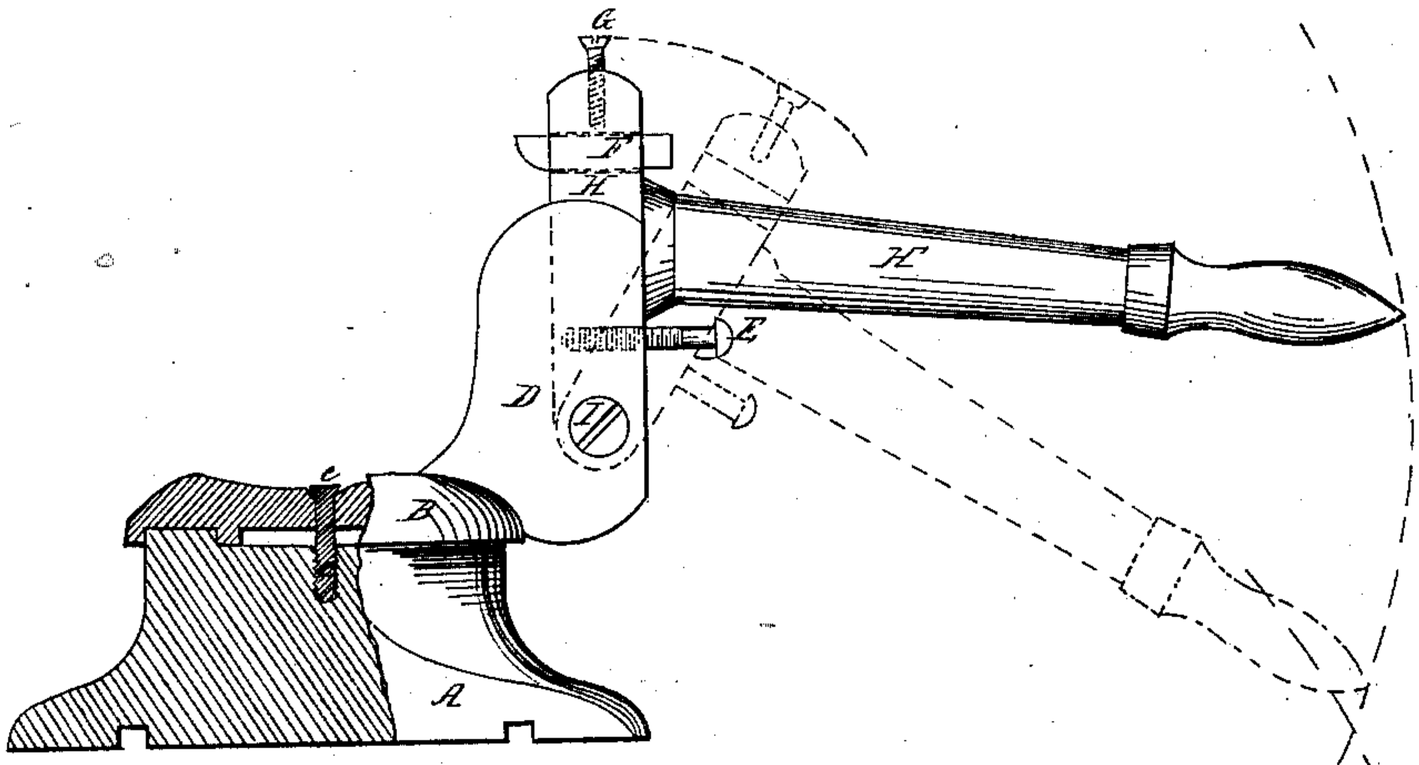
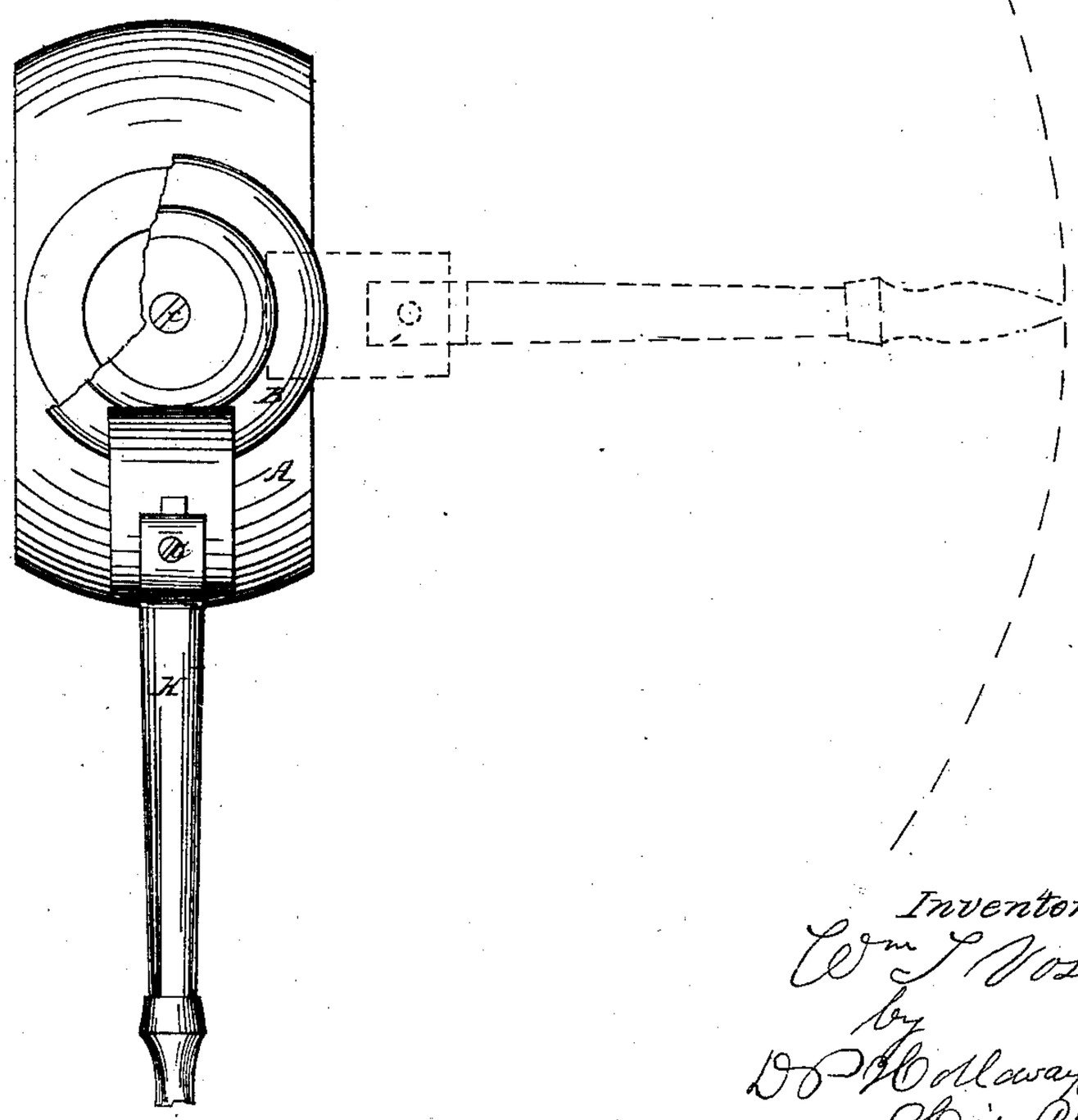


Fig: 2.



Witnesses:
L. A. Humphrey
J. A. Connolly

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by
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UNITED STATES PATENT OFFICE.

WILLIAM T. VOSE, OF NEWTON, MASSACHUSETTS.

IMPROVED LATHE-REST FOR TURNING BALLS.

Specification forming part of Letters Patent No. **55,749,** dated June 19, 1866.

To all whom it may concern:

Be it known that I, WILLIAM T. VOSE, of Newton, in the county of Mi 'dlesex and State of Massachusetts, have invented a new and useful Improvement in Rests for Lathes in Turning Balls; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, made part of this specification, in which—

Figure 1 is a side elevation, partly in section, and Fig. 2 is a top view.

In the different figures the same letters refer to identical parts. The red lines indicate the movement of the parts respectively.

A is the base of the rest, having its bottom fitted to an ordinary lathe-shear. This base terminates above in the frustum of a cone. The upper face has around its periphery a projecting flange, which serves as a guide for a corresponding groove in the lower surface of the cap B, which is circular, and turns freely on a point, C, through its center, by which it is secured to the base. From this cap projects the lug D, firmly secured to it, having in its back a groove, as shown in Fig. 1, for receiving the stock H. The stock H is pivoted at I, so as to turn freely on its pivot, as shown in Fig. 1. Through the upper part of the stock is a slot for receiving a cutting-tool, F, of any proper construction, which is held by the set-screw G, or by any convenient device.

E is a set-screw working through the stock H against the base of the groove in the lug D, for regulation of the position of the stock and cutter.

The movement of the tool is controlled by hand through the handle H.

In operating with this rest, the base being adjusted to the lathe in any of the usual modes, the ball to be turned being placed in the lathe, the set-screw G is arranged so that the feed may be graduated as the work of turning progresses by successive cuts. The point of the cutter being placed against the ball to be turned, the pivot being under its center, the tool is turned with the progress of the cutter, so that by the revolution of the ball in the lathe it will be turned into a perfect sphere.

I do not claim a revolving rest for turning spheres, for this is not new; but

What I claim as my invention, and seek to secure by Letters Patent, is—

The arrangement of the adjustable base A, revolving cap B, lug D, with the hinged stock H, set-screw E, cutter F, and handle H, substantially in the manner and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the name of two subscribing witnesses.

WM. T. VOSE.

Witnesses:

JOHN S. HOLLINGSHEAD,

JOHN D. BLOOR.