

(Model.)

A. SEAVER.  
Sole-Edge Burnishing-Machine.  
No. 227,308. Patented May 4, 1880.

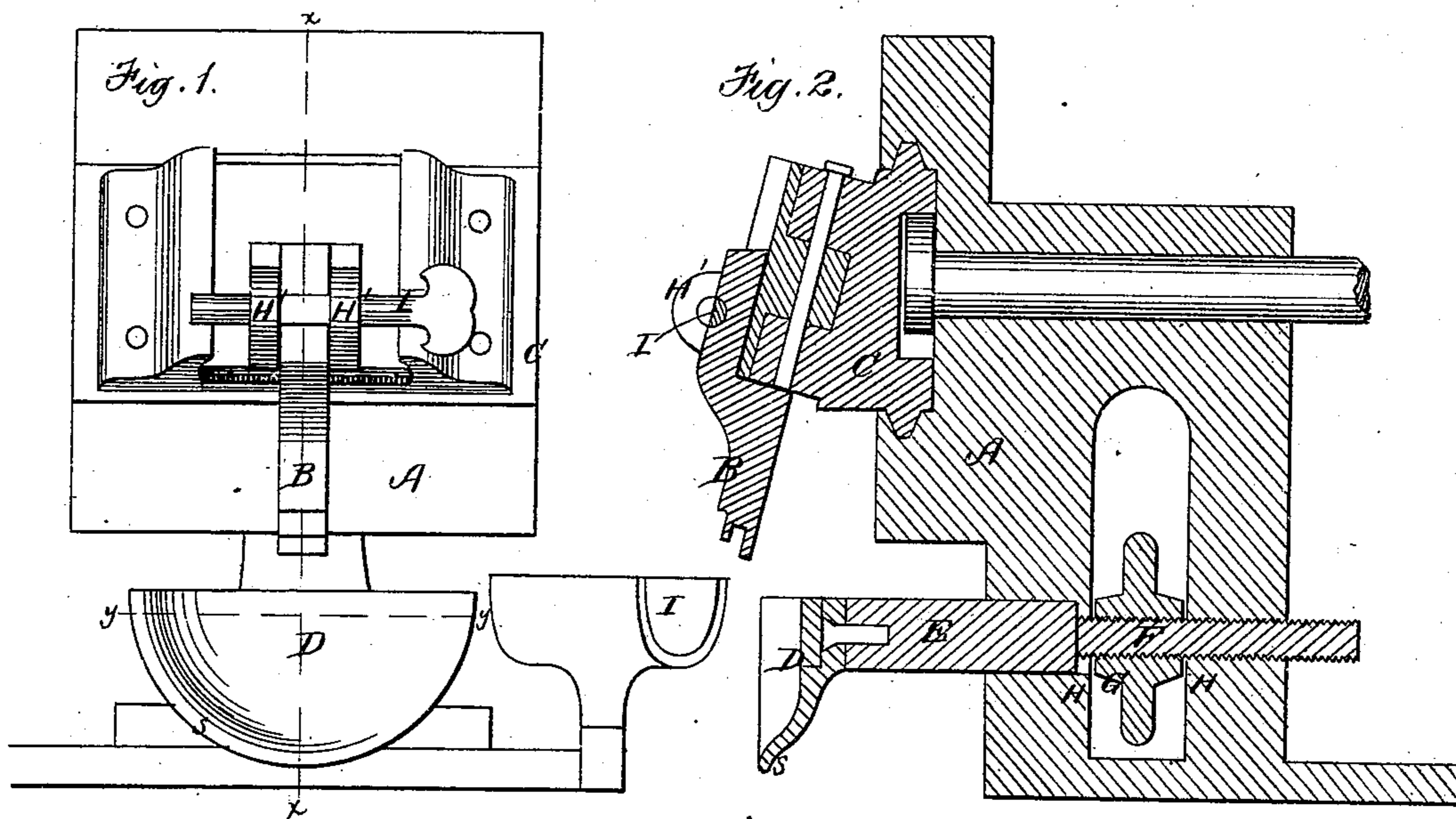


Fig. 3.

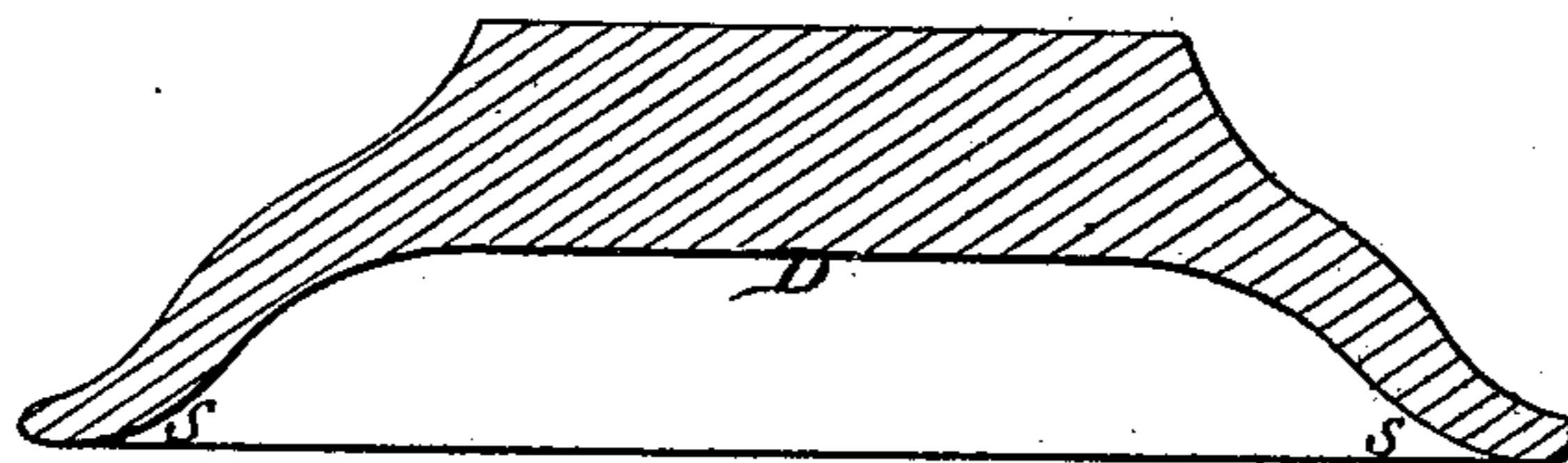
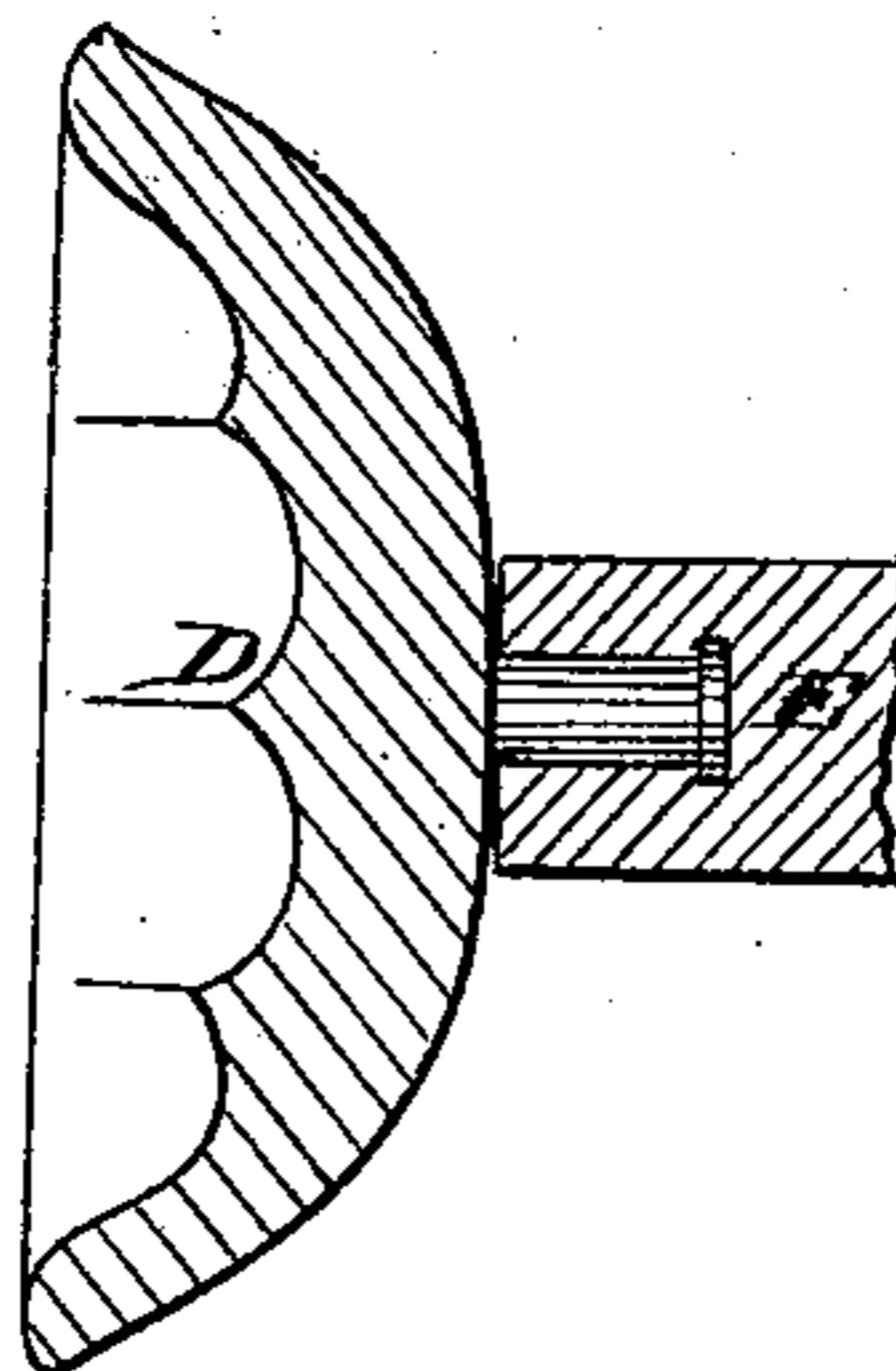


Fig. 4.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

AUGUSTUS SEAVER, OF BOSTON, MASSACHUSETTS.

## SOLE-EDGE-BURNISHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 227,308, dated May 4, 1880.

Application filed March 8, 1880. (Model.)

*To all whom it may concern:*

Be it known that I, AUGUSTUS SEAVER, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Sole-Edge-Burnishing Machines, of which the following is a specification.

This invention relates to sole-edge-burnishing machines employing a reciprocating burnishing-tool, against which the edge of the sole is pressed by the operator.

The object of the invention is to provide improved means whereby the operator is enabled to hold the sole in place against the operating-face of the tool—an operation which is quite difficult to perform, especially when the toe is being burnished, the tool having a tendency to shake or throw off the sole when it is operating on the toe.

My invention consists in the provision of a rest for the back of the operator's hand, located in such relation to the burnishing-tool that it will receive and support the back of the operator's hand which is interposed between the rest and the face of the sole being burnished, the rest being formed and arranged to steady and support the operator's hand in the direction of the movement of the tool, as I will now proceed to describe.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a front elevation of a sole-edge-burnishing machine embodying my invention. Fig. 2 represents a section on line *xx*, Fig. 1. Fig. 3 represents a section of the hand-rest on line *yy*, Fig. 1. Fig. 4 represents a section of another form of hand-rest.

The same letters indicate the same parts in all the figures.

In the drawings, A represents the frame of a burnishing-machine, and B represents the burnishing-tool, which is attached to a sliding cross-head, C, the latter being reciprocated by any suitable means in guides on the frame A.

D represents the hand-rest, which forms the subject of my invention. Said rest is placed behind and below the burnishing-tool, and is in such position that the back of the operator's hand can rest against it while the sole is being held against the burnishing-tool, the face of the sole being in contact with the palm of

the hand that bears against the rest. The surface of the rest is formed to afford a hollow or concavity for the back of the hand when the latter is bent, as in grasping the bottom of the sole, and support the hand in the direction of the movement of the burnishing-tool, or, in other words, to afford a rest for the knuckles and fingers of the bent hand, which will resist the tendency of the tool to throw or move the sole and the hand against which it bears.

To this end the rest may be saucer-shaped, with a curved marginal shoulder, *s*, as shown in Figs. 2 and 3, or it may be formed to fit more or less closely the back of the hand, as shown in Fig. 4; or any suitable form may be given to it whereby shoulders will be provided to support the hand, as described.

The rest is preferably located on the end of an adjustable standard, E, which is movable in and out by means of a threaded portion, F, and a nut, G, working thereon between stops H H, forming part of the frame A. The rest is thus rendered adjustable toward and from the tool, like the rest in the patent to H. D. Stone, No. 223,772, January 20, 1880.

The rest is preferably pivoted to the end of the standard E, so that it can turn or rotate freely, and thus enable the operator's hand to turn with the sole in subjecting different parts of the sole-edge to the burnishing-tool.

By the employment of the hand-rest the operator is enabled to easily control the sole without liability of injuring his fingers, as by the use of the finger rest or hook generally in use.

If desired, the hand-rest may be cushioned or upholstered to make it easier to the operator's hand.

I represents a U-shaped arm-rest pivoted to the frame A or an extension thereof, to support the arm having the hand that bears against the hand-rest. This arm-rest forms no part of my invention, and it is not essential to the operation of the hand-rest.

The burnishing-tool is preferably held between two ears, H' H', on the cross-head by a pin, I, which is cut away between the ears, so that by being turned one-half around it will emerge from a recess formed in the shank of the tool and suffer the latter to drop. This

device enables the tool to be readily changed while the machine is in operation.

I am aware that a finger rest or hook adapted to be grasped by the fingers of the operator  
5 has been before used in edge-burnishing machines, and I do not claim, broadly, a stationary device against which any part of the operator's hand may bear. I am not aware, however, that a hollow or concave rest has ever  
10 been provided, forming a recess for the back of the operator's hand.

I claim as my invention—

1. In combination with a reciprocating burnishing-tool, a hand-rest formed and arranged

to support and steady the operator's hand in 15 the direction of the movement of the tool, as set forth.

2. In combination with a reciprocating burnishing-tool, a concave or shouldered hand-rest pivoted to a suitable support, as set forth. 20

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 3d day of March, A. D. 1880.

AUGUSTUS SEAVER.

Witnesses:

C. F. BROWN,

H. G. WADLIN.