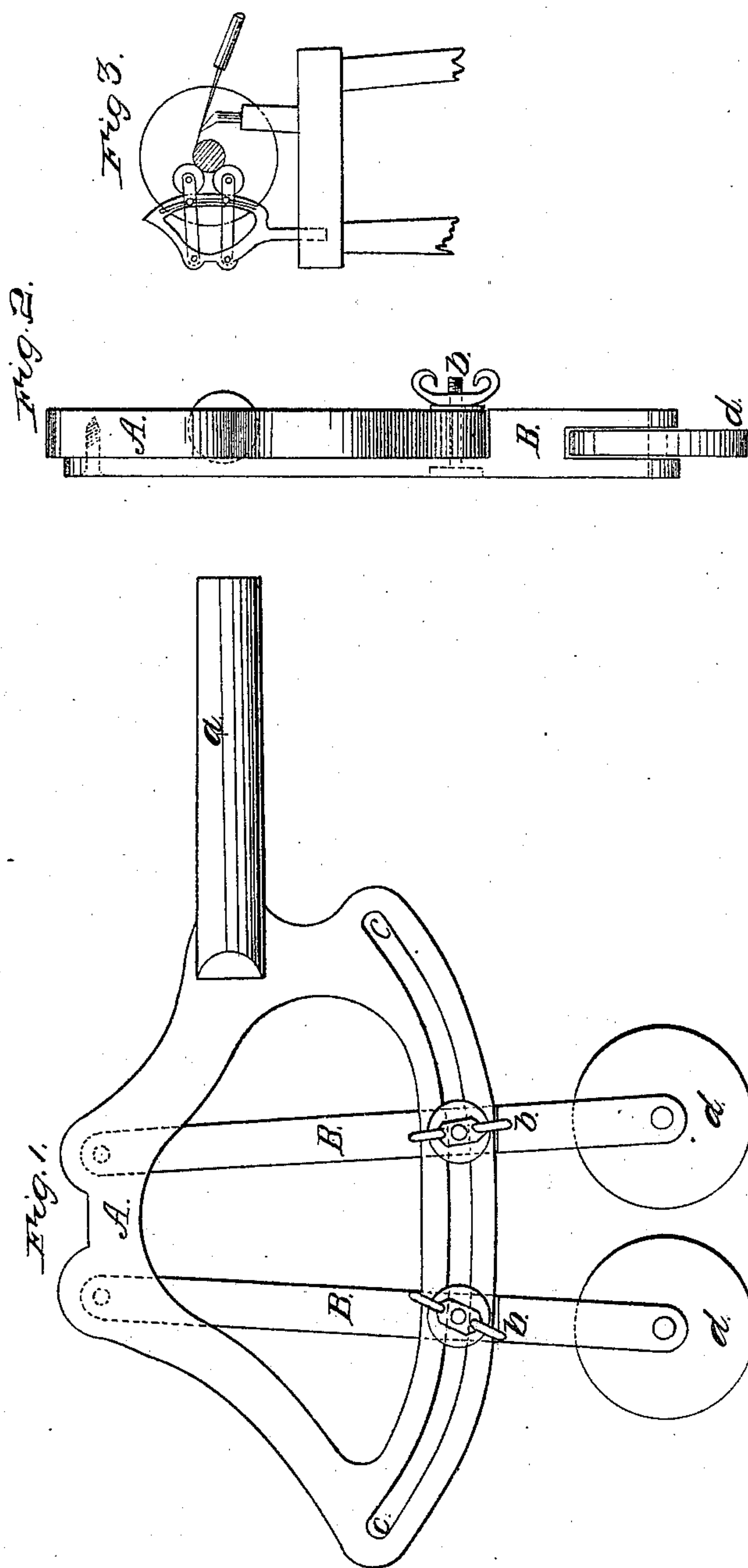


H. C. Berry,
Lathe Tool,
No 63,836. *Patented Apr. 16, 1867.*



Witnesses
Theo. Tusche,
Wm. T. T. T. T.

Inventor:
H. C. Berry
Per M. M. M. M.
Attorneys.

United States Patent Office.

H. C. BERRY, OF WAUSEON, OHIO.

Letters Patent No. 63,836, dated April 16, 1867.

IMPROVEMENT IN WOOD-TURNING LATHES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, H. C. BERRY, of Wauseon, in the county of Fulton, and State of Ohio, have invented a new and useful Improvement in Back Rest for Wood Turning; 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 drawings, forming part of this specification, in which—

Figure 1 is a side view of my improved back rest.

Figure 2 is an edge view.

Figure 3 is a view of the rest, showing its application in a lathe.

Similar letters of reference indicate like parts.

This invention relates to an improvement in a back rest for lathes used for wood turning, and consists in a movable segment, placed vertically in the lathe in place of the ordinary back rest, and provided with two adjustable friction-rollers, which bear against the piece of timber to be turned, and hold it steady.

A is a segment, on one side of which is a head or handle, *a*, for fitting in holes or sockets in a suitable frame or standard at the back of a lathe. Two spreading-bars B B are pivoted at the central part of the segment A near together, the outer ends of which may be expanded more or less, and are secured at any point apart by means of set-screws *b b*, which traverse in a slot, *c c*, in the periphery of the segment A. On the outer ends of the spreading-bars B B are hung in suitable boxes friction-rollers *d d*. The whole device may be made of iron.

In order to use this device the segment A is set upright in the lathe on the head *a*, with the periphery towards the front, when the spreading-bars B B are adjusted and fastened to the segment with the set-screws *b b*, so that the rollers *d d* shall touch the stick of timber, and support it firmly when it is being turned, while, at the same time, there will be little or no friction. The rollers will revolve with, and not rub on, the timber, to cause friction, and hence the wood will not be burned, and the motion of the timber rendered uneven, as is the case often with the ordinary back rest with one rigid bearing.

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

A back rest for a wood-turning lathe, composed of the segment A, in combination with the spreading-bars B B and the friction-rollers *d d*, constructed and operating substantially as and for the purpose herein specified.

H. C. BERRY.

Witnesses:

W. C. KELLEY,

D. H. WOOD.