

(No Model.)

E. S. FULLER.

LATHE REST.

No. 258,910.

Patented June 6, 1882.

Fig. 1.

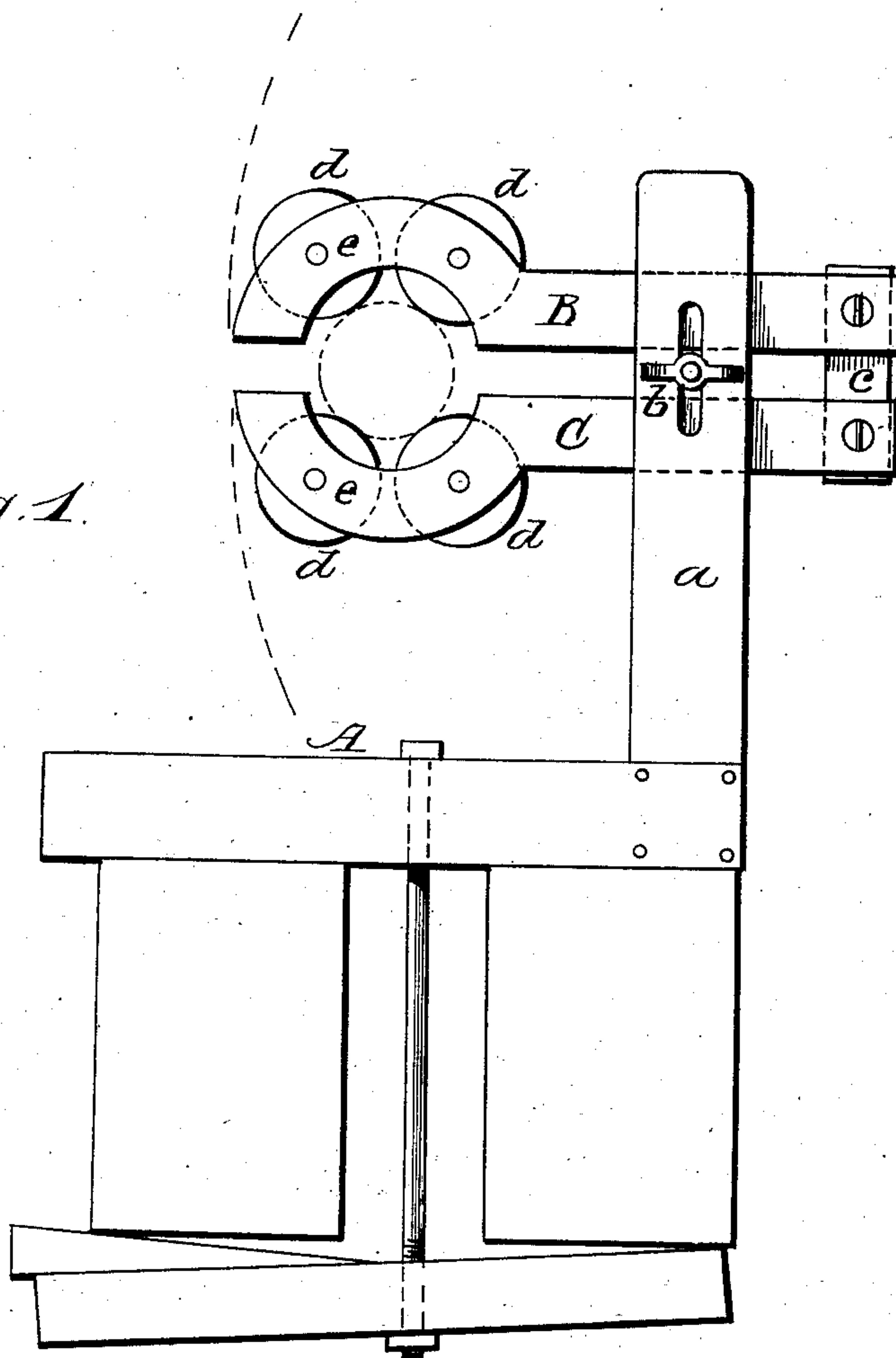
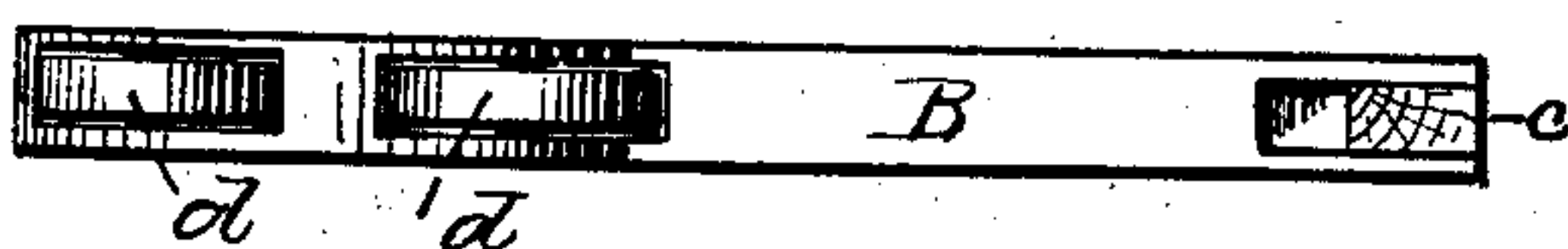


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

EUGENE S. FULLER, OF HARTFORD, CONNECTICUT.

LATHE-REST.

SPECIFICATION forming part of Letters Patent No. 258,910, dated June 6, 1882.

Application filed December 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, EUGENE S. FULLER, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and use-
5 ful Improvements in Center-Rests for Lathes; 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,
10 making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 is a side elevation of my invention, showing it applied to a lathe-bed; and Fig. 2
15 is a top plan view of my invention detached from the bed.

The present invention has relation to certain new and useful improvements in that class of center-rests for lathes in which friction-rollers
20 are employed and connected to hinged or pivoted arms; and the object thereof is to improve the construction of the rest whereby less friction is produced upon the article being turned by contact with the rest, and also
25 facilitating the removal therefrom. These objects I attain by the construction, substantially as shown in the drawings and hereinafter described.

In the accompanying drawings, A represents the lathe-bed of the ordinary construction, provided with the usual slotted standard,
30 *a*, through which passes a suitable thumb-screw, *b*, for connecting thereto the center-rest. The center-rest is composed of two arms, B C, pivoted to cross piece or link *c* at their rear
35 ends. The forward ends of the arms B C are curved, as shown at *e*, each of which has connected to it one or more friction-rollers, *d*, the periphery of said rollers bearing against the surface of the article to be turned, as shown

in dotted lines. The pivoting of the arms admits of one or both of them being further separated from each other for the convenient insertion or withdrawal of the article to be turned.

By the employment of the friction-rollers in a center-rest for lathes the article, when revolving therein, will not heat and burn by frictional contact with the rest, and thus endanger warping. The facility with which the article
50 is held insures it coming from the center-rest in a perfect and uninjured condition. The rollers encircling the article and turning with it prevent strain and danger of jumping out.

The curved or semicircular form of the arms B C at their outer ends, and being arranged or disposed horizontally one above the
55 other, insure a more perfect and secure grasping of the work, with less liability of its lateral displacement, thereby producing a more perfect and even turning of the article, and permitting the easy withdrawal of it from the rest.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a center-rest for lathes, the combination, with the slotted standard *a*, of the pivoted horizontal arms B C, removably connected to the
65 standard, said arms being arranged one above the other and having curved or semicircular ends *e*, carrying friction rollers *d*, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence
70 of two witnesses.

EUGENE S. FULLER.

Witnesses:

SHERMAN W. ADAMS,
JAMES T. MCMANUS.