

(No Model.)

G. RICH.
LATHE CENTER.

No. 322,322.

Patented July 14, 1885.

FIG. 1.

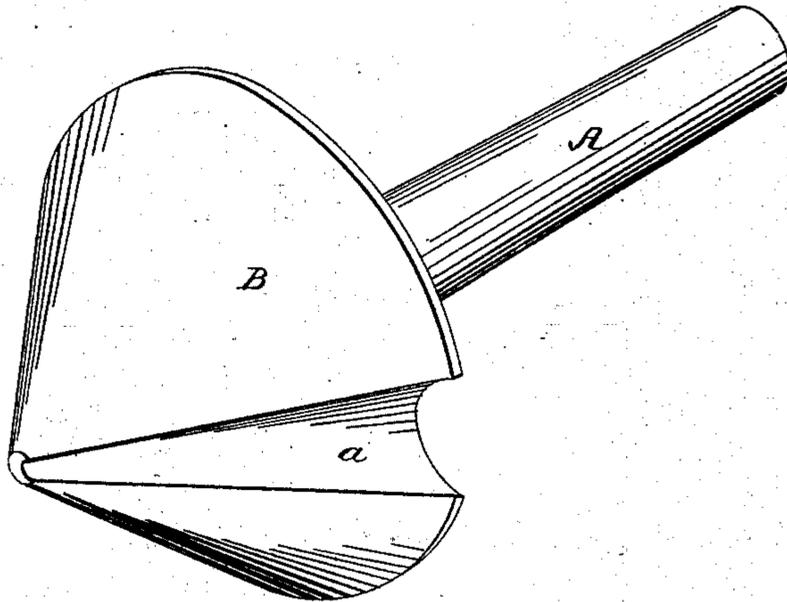


FIG. 2.

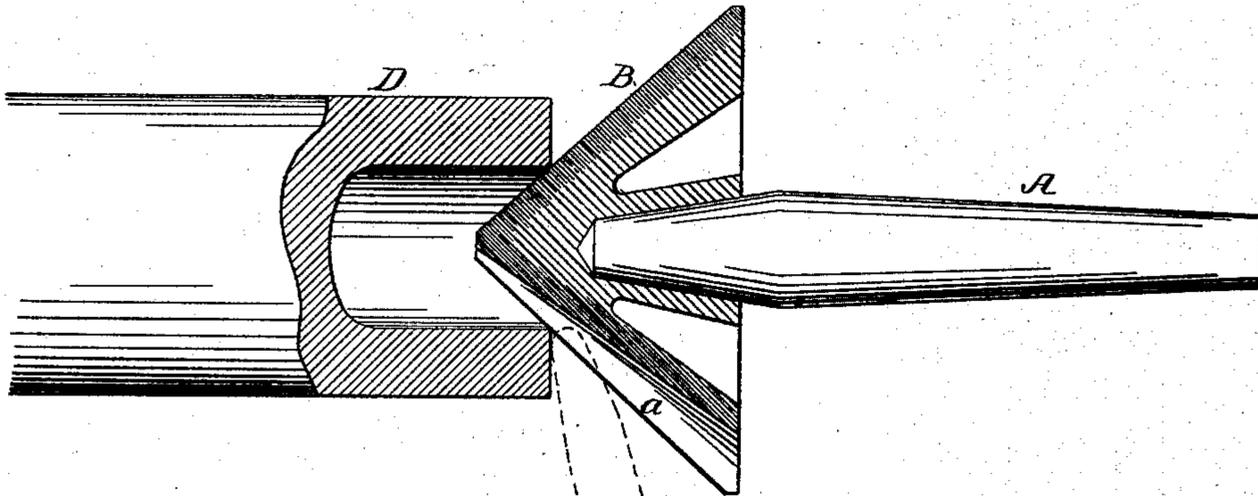
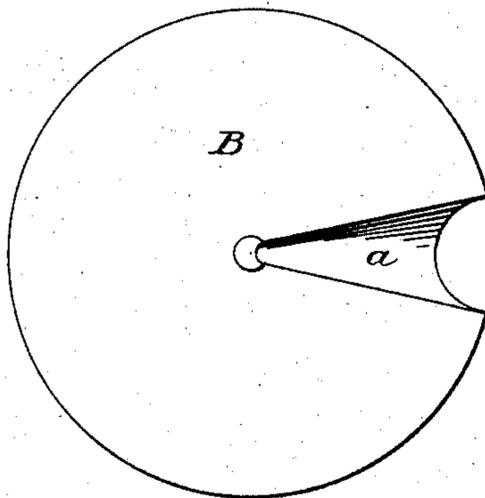


FIG. 3.



Witnesses:
John M. Clayton.
James F. Tobin

Inventor
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by his Attorneys
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UNITED STATES PATENT OFFICE.

GEORGE RICH, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JOHN RICH, OF SAME PLACE.

LATHE-CENTER.

SPECIFICATION forming part of Letters Patent No. 322,322, dated July 14, 1885.

Application filed June 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE RICH, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented a certain Improvement in Lathe-Centers, of which the following is a specification.

My invention relates to an improvement in the center-piece of the tail-stock of a lathe; and my improvement consists of a center-piece which is a groove for permitting the proper application of a cutting-tool to the end of a pipe or other piece of work in facing the same, or for permitting a chasing-tool to run beyond the end of the work to a greater extent than usual, all as fully described and claimed hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of my improved center-piece for lathes; Fig. 2, a sectional view, and Fig. 3 an end view.

The improved center-piece is composed in the present instance of two parts—namely, the pin A, to be fitted into the spindle of the tail-stock of the lathe, and the cone B, into which a portion of the pin A is fitted. The cone and pin, however, may be made in one piece.

In facing the end of a pipe or other piece of work, of which D is a portion, difficulty has

been experienced in applying a turning-tool for the proper facing of the end of the work, owing to the limited space between the same and the inclined face of the center-piece B of the tail-stock. This difficulty I obviate by making a groove, *a*, in the conical portion of the center-piece. This groove in no way interferes with the functions of the center-piece, while it affords an opportunity for the proper application of a substantial turning-tool to the end of the work for facing the same, as will be readily understood by those skilled in the art of turning metals; and in chasing a thread on a pipe or rod the groove permits the tool to travel back clear of the work without coming in contact with the center-piece.

I claim as my invention—

A center-piece in the conical portion B of which is a groove, *a*, as and for the purpose set forth.

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

GEORGE RICH.

Witnesses:

HARRY SMITH,
HENRY HOWSON, Jr.