

R. N. Meriam,

Chiller Head.

No. 98,396.

Patented Dec. 28, 1869.

Fig. 1.

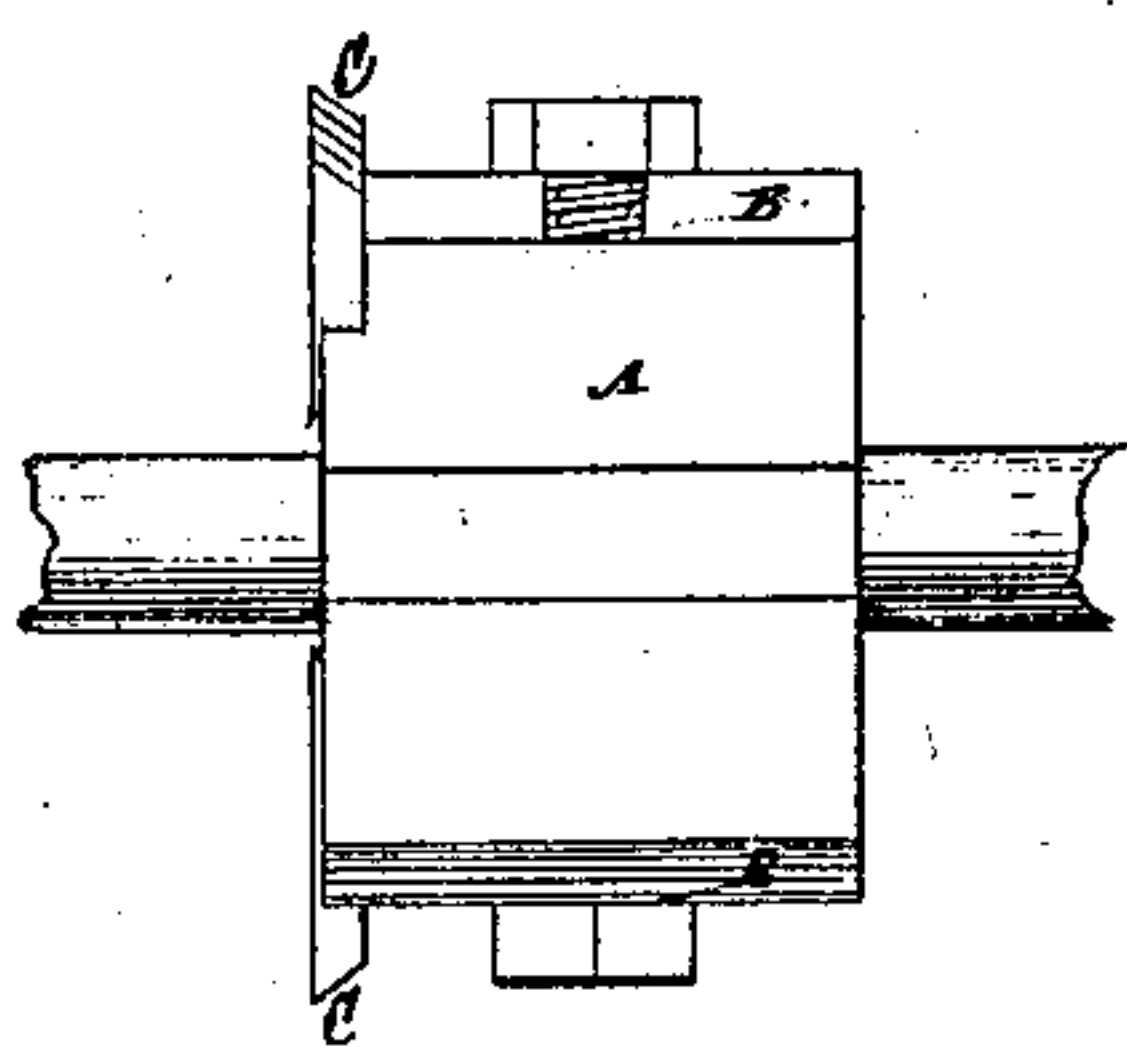


Fig. 2.

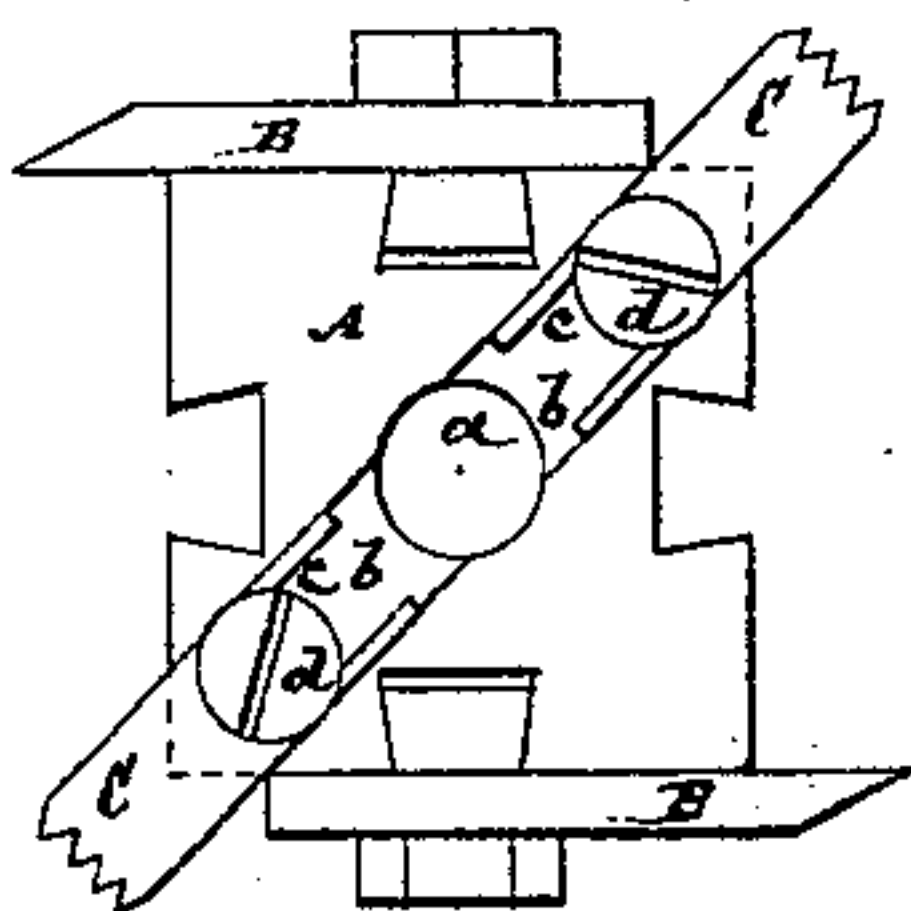
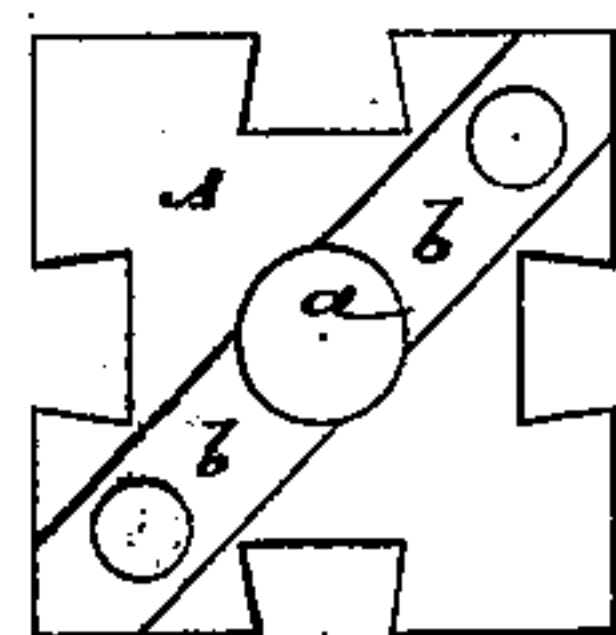


Fig. 3.



Witnesses:

*J. M. Corbitt
Fred. Haynes*

*Rufus N. Meriam
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A. Horne

United States Patent Office.

RUFUS N. MERIAM, OF WORCESTER, MASSACHUSETTS.

Letters Patent No. 98,396, dated December 28, 1869.

IMPROVEMENT IN CUTTER-HEADS.

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, RUFUS N. MERIAM, of the city and county of Worcester, in the State of Massachusetts, have invented a new and useful Improvement in Attaching Spurs to Four-Sided Rebating-Heads, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figures 1 and 2 represent outside views, at right angles to each other, of a four-sided rebating-head, with spurs attached, in accordance with my improvement; and

Figure 3, a side or face view of said head, with the spurs and cutters they operate in connection with removed.

Similar letters of reference indicate corresponding parts.

My improvement consists in a novel construction of head for carrying the cutters of a grooving or rebating-machine, whereby said cutters may be more easily detached or adjusted, when necessary, for sharpening or other purposes.

Referring to the accompanying drawing—

A represents a four-sided rebating-head, having the usual hole or bore *a* through its centre, for attachment of said head to its driving-mandrel or shaft.

B B are the ordinary and adjustable cutters, secured to the head in the usual manner, for cutting and dress-

ing the face of the rebate, which is nicked or gauged in advance, and its shoulder cut down or formed by spurs C C, as usual in other four-sided rebating-heads.

These spurs C C, however, I attach in a different and more advantageous manner than has heretofore been practised.

Thus, I cut grooves *b b* in the one side or face of the head, in radial directions to its axis, or diagonally across the head, as it were, and of a width to receive closely within them the spurs C C, that I construct with slots or openings *c c*, at their inner or back portions, for holding-down screws *d d* to pass through, and which, on being slacked, readily admit of the spurs being entered and adjusted within or removed from the grooves in the head, as required.

This forms a most convenient, stable, and advantageous mode of attaching the spurs to the head.

What is here claimed, and desired to be secured by Letters Patent, is—

The rebating cutter-head, (constructed as herein shown and described,) consisting of the rectangular head A, provided with radial grooves *b*, for the reception of spurs C, and dovetailed grooves parallel with its axis, to receive the bolt for securing the cutter.

RUFUS N. MERIAM.

Witnesses:

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S. F. BOND.