

No. 860,310.

PATENTED JULY 16, 1907.

D. MARTIN.
PICKER.

APPLIOATION FILED MAY 18, 1906.

Fig. 1.

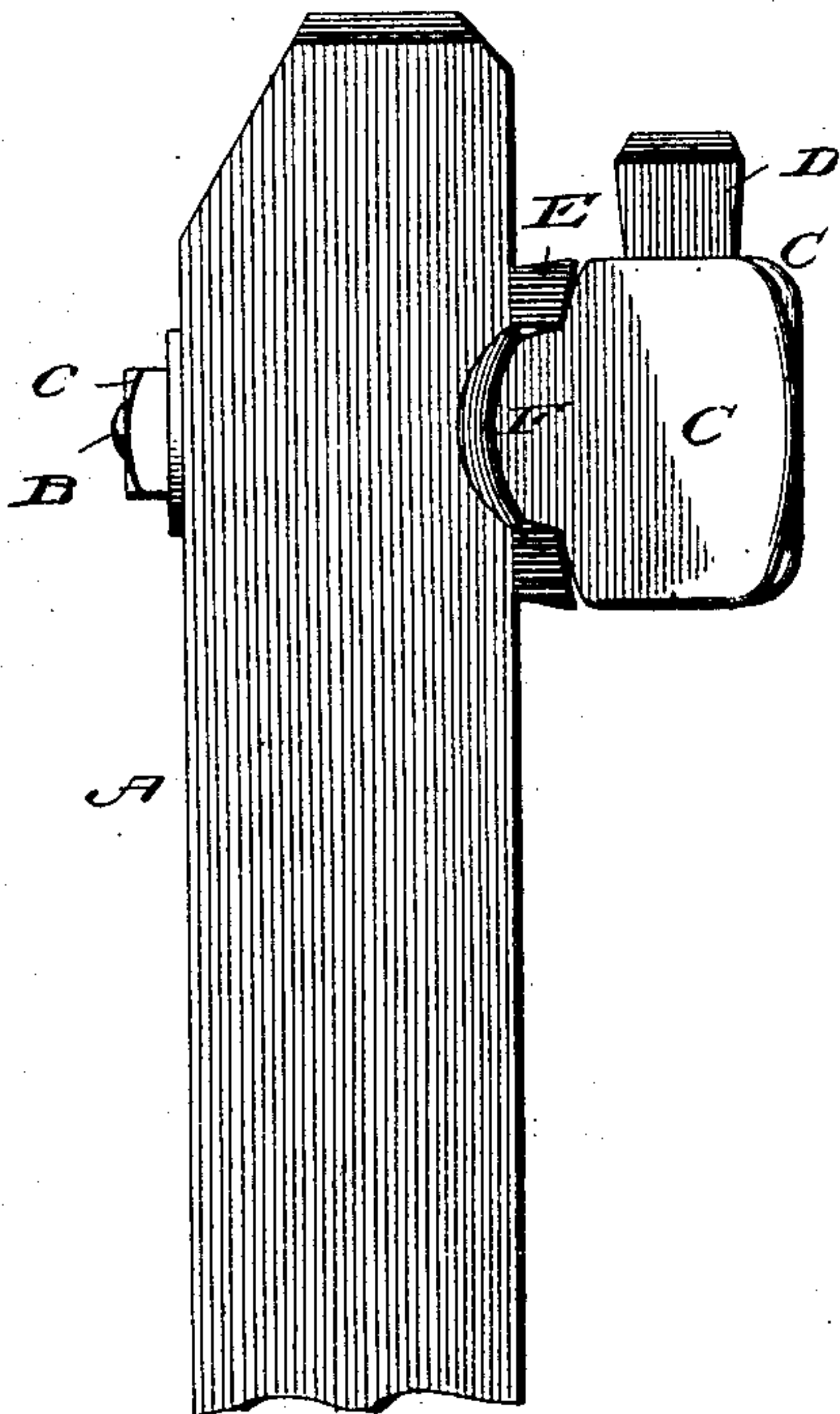


Fig. 2.

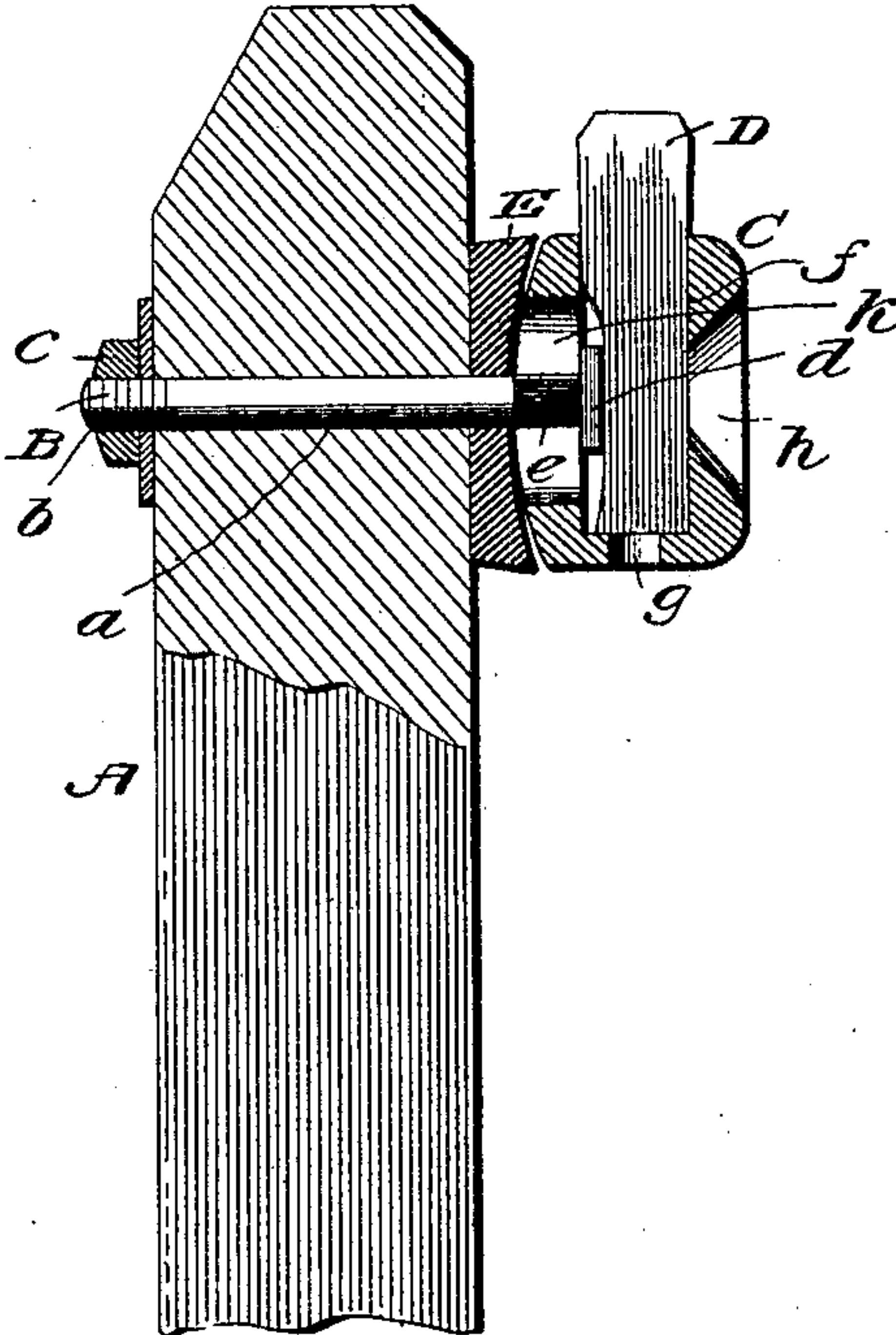
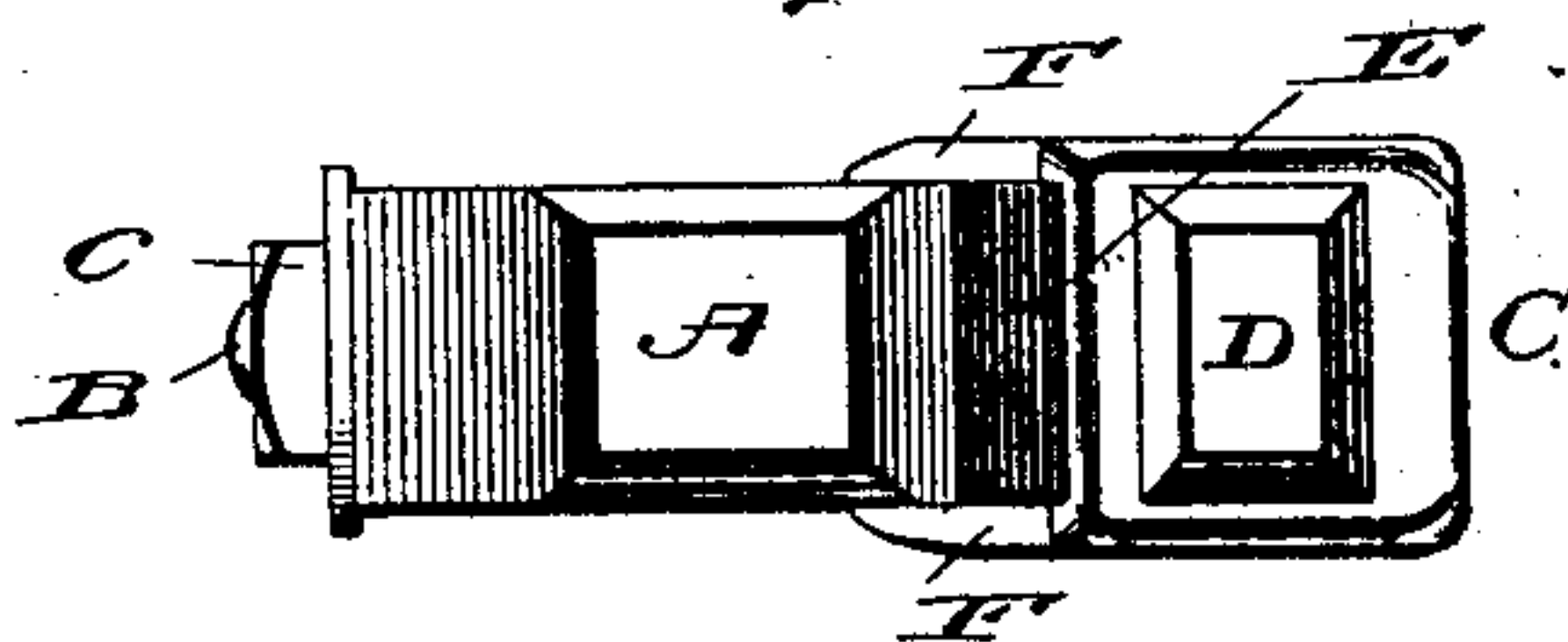


Fig. 3.



Inventor

Witnesses

Witnesses
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DÉSIRÉ MARTIN, OF MANCHESTER, NEW HAMPSHIRE.

PICKER.

No. 860,310.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed May 18, 1906. Serial No. 317,438.

To all whom it may concern:

Be it known that I, DÉsirÉ MARTIN, a citizen of the United States, residing at Manchester, in the county of Hillsboro and State of New Hampshire, have invented new and useful Improvements in Pickers, of which the following is a specification.

My invention pertains to pickers for use in looms; and it consists in the peculiar and advantageous picker hereinafter described and particularly defined in the claims appended.

In the accompanying drawings, forming part of this specification: Figure 1 is a side elevation of a stick or staff equipped with my novel picker. Fig. 2 is a view showing the upper portion of the staff and the picker in vertical section, and: Fig. 3 is a view in plan of the upper ends of the staff and picker.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which:

A is a picker stick or staff which is preferably of wood and is provided adjacent to its upper end with an aperture *a* which extends in the direction in which the stick or staff moves.

B is a bolt which rests in the aperture *a* of the stick or staff A, and is provided at one end with a thread *b* for the engagement of a nut *c* and is also provided at its other end with a flat head *d*, and a portion *e* of rectangular form in cross-section.

C is the body of the picker.

D is a piece of leather or other suitable material for engaging the end of a shuttle, removably arranged in the body C, and E is a piece of leather or other suitable material interposed between the back of the body C and the face of the stick or staff A and arranged on and held by the bolt B.

The body C of my novel picker is preferably made of steel, and is provided with the vertically disposed socket *f* designed to receive the leather piece D and open at its upper end, an opening *g* formed in the bottom wall of the socket *f*, a tapered eye *h* formed in the front wall of the body and communicating with the socket *f*, and a vertical slot or oblong opening *k* formed in the back wall of the body and receiving the rectangular portion *e* of the bolt B. It will also be noticed by reference to Fig. 2 that the rear side of the body C is convex in the direction of its height and that the opposed side of the piece of leather E is concave in a similar direction, this for a purpose which will be presently pointed out in detail.

By virtue of the construction of my novel picker as pointed out in the foregoing, it will be apparent that the piece of leather D is the only part of the picker to engage the shuttle, and that the said piece D may be quickly and easily removed when worn and as readily replaced with a new piece of leather. In this connection it is well to state that when the piece of leather D

is difficult to remove from the socket *f*, a suitable punching instrument may be passed through the opening *g* and placed in engagement with the lower end of the leather piece D to assist in the displacement of the latter. It will also be apparent that by virtue of the connection between the body C of the picker and the stick or staff A, the said body C may be adjusted vertically on the bolt B to correctly position its eye *h* and enable the same to properly receive the point of a shuttle. The opposed sides of the body C and the piece E of leather or other suitable material will, by reason of their shape, permit of the described vertical adjustment of the body C, and yet the piece E will efficiently cushion the body C irrespective of the position of the latter, and hence will prevent the blows received by the piece of leather D in the body C from injuring the stick or staff A.

With a view of effectually preventing lateral turning of the picker body C on the bolt B, I provide the said body C with rearwardly extending lugs F, Figs. 1 and 3. These lugs F rest at opposite sides of and close against the stick or staff A and hence effectually prevent lateral movement of the picker body on the bolt B or with respect to the stick or staff A.

It will be gathered from the foregoing that my novel picker is simple and compact in construction and is well adapted to withstand the usage to which pickers are ordinarily subjected; also, that the picker as a whole will last for an indefinite period inasmuch as the only part subjected to wear—i. e., the leather piece D, may be readily removed when worn and replaced with a new piece.

I have specifically described the construction and relative arrangement of the parts embraced in the present and preferred embodiment of my invention in order to impart a definite understanding of the said embodiment. I do not desire, however, to be understood as confining myself to the said specific construction and relative arrangement of parts as such changes or modifications may be made in practice as fairly fall within the scope of my claimed invention.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

1. The combination of a picker stick or staff, a picker body arranged at the forward side of the picker stick or staff and provided with a vertically disposed socket and also provided with an eye in the forward wall of said socket, a piece of leather removably arranged in the socket of the body, a piece of leather interposed between the forward side of the stick or staff and the rear side of the picker body, and a common means connecting the picker body and the last mentioned piece of leather with the stick or staff.

2. The combination of a picker stick or staff, a bolt extending through the stick or staff and provided at its forward end with a head, a nut mounted on the rear portion of the said bolt, a picker body having a vertically dis-

posed socket and a rear side which is convex in the direction of its height and also having an eye in its forward wall and a vertical oblong opening in its rear wall; said eye and oblong opening communicating with the socket
5 and the oblong opening receiving the shank of the bolt at a point immediately in rear of the head thereof, a piece of leather removably arranged in the socket of the body, and a piece of leather or other suitable material arranged on the bolt and interposed between the rear side of the picker
10 body and the face of the stick or staff.

3. The combination of a picker stick or staff, a picker body arranged at the forward side of the picker stick or staff and provided with a vertically disposed socket and also provided with an eye in the forward wall of said
15 socket; the rear side of said body being convex in the direction of its height, a piece of leather removably arranged in the socket of the body, a piece of leather interposed between the forward side of the stick or staff and the rear side of the picker body and having its forward side con-

cave in the direction of its height, and a common means 20 connecting the picker body and the last mentioned piece of leather with the stick or staff.

4. The combination of a picker stick or staff, a picker body having a vertically disposed socket and an eye in its forward wall in communication with the socket and also 25 having a vertical socket in its rear wall and the rear side of said wall convex in the direction of its height, a bolt extending through the vertical slot and connecting the body and the stick and having a head disposed in the socket of the former, a piece of leather removably ar- 30 ranged in the socket of the body, and a piece of leather arranged on the bolt and between the body and the stick.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DÉSIRÉ MARTIN.

Witnesses:

J. A. BOIVIN,
ERNEST L. AUCTIL.