

(Model.)

D. A. A. BUCK.
Watch or Clock Hand.

No. 240,380.

Patented April 19, 1881.

Fig. 1.

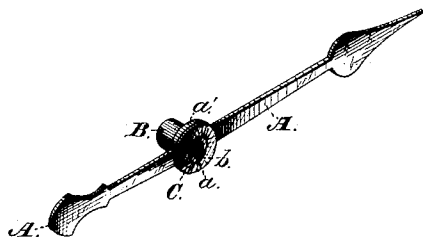


Fig. 2.

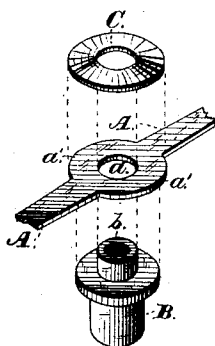
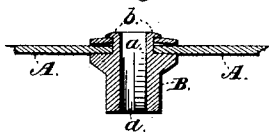


Fig. 3.



Witnesses:

*Jas. E. Hutchinson.
 Henry C. Hazard.*

Inventor.

*D. A. A. Buck, by
 Geo. S. Prindle, his Atty*

UNITED STATES PATENT OFFICE.

D. AZRO A. BUCK, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE
WATERBURY WATCH COMPANY, OF SAME PLACE.

WATCH OR CLOCK HAND.

SPECIFICATION forming part of Letters Patent No. 240,380, dated April 19, 1881.

Application filed December 16, 1880. (Model.)

To all whom it may concern:

Be it known that I, D. AZRO A. BUCK, of Waterbury, in the county of New Haven, and in the State of Connecticut, have invented certain new and useful Improvements in Watch or Clock Hands; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my watch-hand detached from its post or arbor. Fig. 2 is a like view of said hand, its hub and spring-washer separated from each other, and Fig. 3 is a central section of the same upon a line with the axis of said barrel.

Letters of like name and kind refer to like parts in each of the figures.

The design of my invention is to provide means whereby the hand of a watch or clock may be moved around its axial bearing without wear or disturbance of the bearing between its hub and the post or arbor; and to this end it consists, broadly, in a watch or clock hand provided with a hub which is connected therewith by means of a friction-bearing, whereby said hand may be independently rotated upon and around said hub, substantially as and for the purpose hereinafter specified.

In the annexed drawings, A represents an ordinary watch or clock hand, which, at a suitable point between its ends, is provided with a round opening, *a*, and around the same has a horizontal enlargement, *a'*, as shown.

Fitted within the opening *a* is a correspondingly-shaped boss, *b*, that is formed upon one end of a hollow hub, B, which boss extends upward through said opening and through a convex metal washer, C, and has its end turned

outward and downward, so as to confine said parts together.

Below the hand A the hub B is provided with a collar, *b*, which bears upon the lower side of the enlargement *a'* and nearly covers the same, while the upper side of said enlargement is in like manner covered by the collar C, which corresponds in size to said collar, but, being placed with its concave side downward, has a bearing only at or near its outer edge.

As thus combined the hand and hub are held together with a yielding pressure sufficiently strong to cause the former to rotate with the latter, while permitting said hand to be easily and freely turned upon or around said hub when desired. The axial opening in the hub B has such size and shape as will enable it to be fitted closely upon its post or arbor, and when once in place need not be disturbed whenever it becomes necessary to move the hand, the latter being enabled to turn upon said hub without moving the same.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

A watch or clock hand provided with a hub which is connected therewith by means of a friction-bearing, whereby said hand may be independently rotated upon and around said hub, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of November, 1880.

D. AZRO A. BUCK.

Witnesses:

C. L. STOCKING,
E. L. BRONSON.