

A.K.P. Walker

Watch Wheel Chuck

117703

PATENTED AUG 1 1871

Fig 1

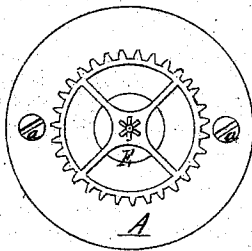


Fig 2

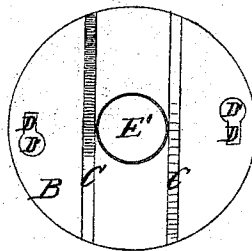
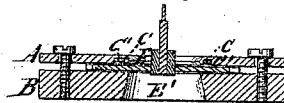


Fig. 3



Witnesses
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 Chas. M. Farnum

Inventor.
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 Chipman & Foster & Co
 attys

UNITED STATES PATENT OFFICE.

ALBION K. P. WALKER, OF RICHMOND, MAINE.

IMPROVEMENT IN WATCHMAKERS' CHUCKS.

Specification forming part of Letters Patent No. 117,703, dated August 1, 1871.

To all whom it may concern:

Be it known that I, ALBION K. P. WALKER, of Richmond, in the county of Sagadahoc and State of Maine, have invented a new and valuable Improvement in Wheel-Chucks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a face view of chuck foundation. Fig. 2 is a face view of chuck-follower. Fig. 3 is a vertical section of my improved chuck.

This invention has relation to an improved chuck for watchmakers' lathes; and consists in the construction of said chuck so as to enable the wheel or other device to readily find its center and be held securely therein without the use of shellac or cement.

The accompanying drawing illustrates my invention as adapted to be used with the split spring-chuck of the American lathe, but with slight modification it is applicable to all other watchmakers' lathes in general use.

A designates a disk, holding two screws, *a a*, opposite each other. B indicates a corresponding disk, to fit on the face of the first; C, slight springs of a semi-elliptic form, secured at opposite ends within slots C', parallel to each other, in the face of the disk or follower B and projecting therefrom. D are slots, formed with eyes D', and cut

opposite each other in the disk B. E E are corresponding central apertures in both disks.

A wheel is arranged by being placed on the foundation disk A, as shown in Fig. 1, and the follower placed over it, the screw-heads passing through the eyes D', and the follower is turned around so as to hold the shank of the screw in the slots D. In this way the springs C press slightly against the face of the wheel, merely holding it in place. The foundation A is now placed in the split spring-chuck of the lathe, which, being started, the wheel is made to center itself perfectly by placing the thumb-nail or anything else against the pivot. When worked to a perfect center the screws are to be tightened up so as to hold the wheel firmly.

All the wheels that can be chucked in the common split spring-chuck can be as well chucked in my device, and all the watch-wheels and balances that are ordinarily chucked with shellac or cement can be chucked in a much more satisfactory manner.

I claim as my invention—

The centering device for watch-wheels, consisting of the plate A, the follower B, and the friction-springs C C, substantially as specified.

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

ALBION K. P. WALKER.

Witnesses:

J. W. SPAULDING,
WM. S. HAGAR.