C. W. HOEHN.

Winding-Attachment for Watches.

No. 203,455. Patented May 7, 1878.

Fig. 1.

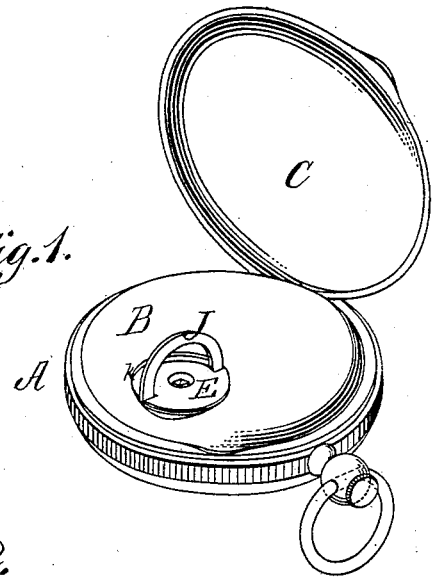


Fig. 2.

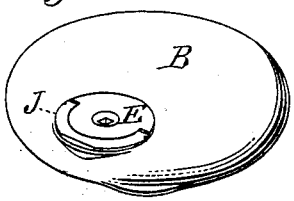


Fig. 3.

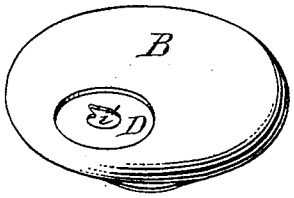


Fig. 4.

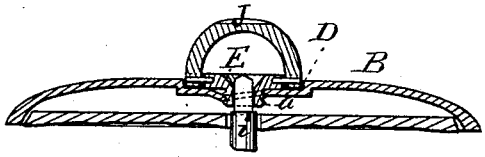
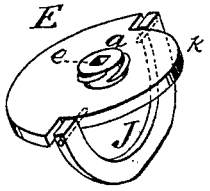


Fig. 5.



WITNESSES

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CHARLES W. HOEHN, OF CARLINVILLE, ILLINOIS.

IMPROVEMENT IN WINDING ATTACHMENTS FOR WATCHES.

Specification forming part of Letters Patent No. **203,455**, dated May 7, 1878; application filed April 13, 1878.

To all whom it may concern:

Be it known that I, CHARLES W. HOEHN, of Carlinville, in the county of Macoupin and State of Illinois, have invented a new and valuable Improvement in Winding Watch-Cases; 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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of a watch-case with my winder applied. Fig. 2 is a like view of the inner cap, showing the winding-disk in position. Fig. 3 is a like view of the said cap, showing the disk-recess. Fig. 4 is a transverse section of the case and winding attachment, and Fig. 5 is a perspective view of the winding-disk.

This invention has relation to improvements in means for winding the mainspring of watches.

This invention consists in the construction and novel arrangement of the winding-disk, having a central attachment-tang, an arc-shaped recess in its side, and a bail pivoted to said disk to fit in this arc-shaped recess when folded down, all as hereinafter shown and described.

In the annexed drawings, the letter A designates the watch-case; B, the inside back cap; C, the outside back cap, and *i* the key-post, through which the spring is wound up. D represents a circular recess, formed in any suitable manner in the cap B, directly over the post *i*, having a central circular orifice, *i'*, through which the said post projects centrally. E represents the disk, having a screw-threaded central tang, *a*, engaging a thread in the orifice *i'*, and locking the disk to the cap. This disk has at its center a square hole, *e*, that snugly fits the post *i*, and it is received in the recess D of the cap.

When the cap B is closed the key-post enters the orifice *e* in the key-disk E, and by rotating the latter the spring is wound up. This is accomplished by means of a semi-annular handle, J, pivoted to the disk in such manner that it may be thrown out at right angles thereto, the said handle being received, when in the position shown in Fig. 2, in a recess, *k*, of corresponding shape in the edge of the disk. When in this position it is flush with the disk, and when the latter is in its recess D it is flush with the inner cap, so that the outer cap may be closed, as in the ordinary case, without obstacle.

When the spring is wound up, by turning the key-post to the right the disk will be attached to the cap by a left-handed screw-thread, and vice versa. By detaching the disk from the cap it may be used to set the hands of the watch.

I do not confine myself to this special mode of securing the key-disk to the cap, as there are many modes of so doing which will readily present themselves to those skilled in the art.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a watch-plate, recessed at D, of a winding-disk, E, having a pivoted folding bail, J, and a central screw tang or attachment, connecting it to said plate in a detachable manner, substantially as specified.

2. The winding-disk E, recessed in arc form, at *k* on one side, and having the central attachment-tang *a* on its under side, and on its face the pivoted bail J, folding into the arc-shaped side recess, substantially as specified.

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

CHARLES W. HOEHN.

Witnesses:
J. P. MATTHEWS,
A. M. BORING.