

No. 867,870.

PATENTED OCT. 8, 1907.

T. S. BINDSCHEDLER.

WATCH BARREL.

APPLICATION FILED AUG. 20, 1906.

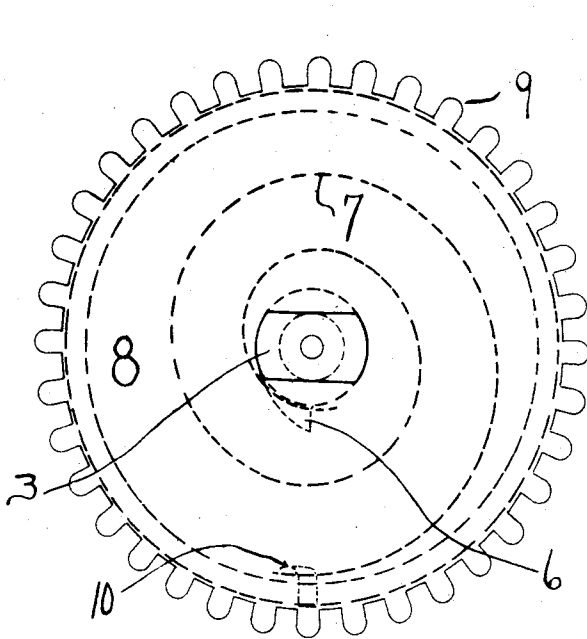


Fig. I.

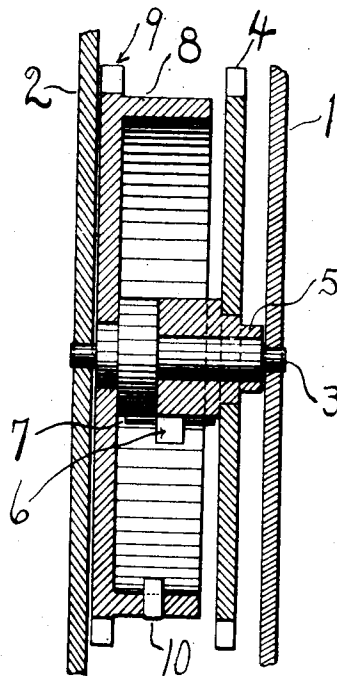


Fig. II.

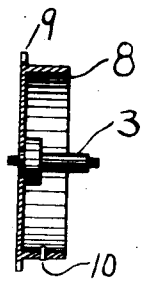


Fig. III.

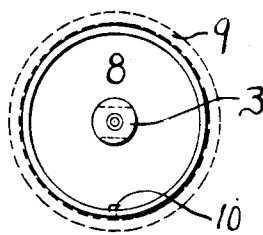


Fig. IV.

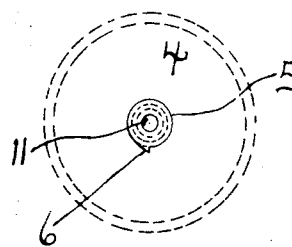


Fig. V.

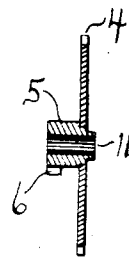


Fig. VI.

WITNESSES:

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UNITED STATES PATENT OFFICE.

THEODORE SAMUEL BINDSCHEDLER, OF PERU, ILLINOIS, ASSIGNOR TO THE WESTERN CLOCK MANUFACTURING COMPANY, OF LA SALLE, ILLINOIS, A CORPORATION OF ILLINOIS.

WATCH-BARREL.

No. 867,870.

Specification of Letters Patent.

Patented Oct. 8, 1907.

Application filed August 20, 1906. Serial No. 331,346.

To all whom it may concern:

Be it known that I, THEODORE SAMUEL BINDSCHEDLER, a resident of the United States, in the city of Peru, county of LaSalle, and State of Illinois, have invented
5 a new and useful Improvement in Watch-Barrels, of which the following is a specification.

My invention relates to improvements in watch barrel arbors and has for its object the production of an arbor the parts of which are simple, easily manufactured and assembled, and when assembled tends to
10 keep the coiled spring in the barrel parallel to the side of said barrel and to the time main wheel, enabling them to run very close to each other. I attain these objects by means of the mechanism illustrated in the
15 accompanying drawings, in which:—

Figure I is an end view of a watch winding mechanism, Fig. II is a sectional view of Fig. I showing my invention, Fig. III is a sectional view of the barrel, showing the journals of the barrel arbor, Fig. IV is a
20 front view of Fig. III, Fig. V is a front view of the member of the barrel arbor which is fastened to the time main wheel, Fig. VI is a sectional view of Fig. V.

Similar figures represent similar parts in all the drawings.

25 In the drawings, 1 represents the front plate and 2 represents the barrel bridge of an ordinary watch.

3 is an arbor which is rigidly fastened to the winding barrel 8 and journaled in the front plate 1 and barrel bridge 2.

30 4 is the main wheel, which is rigidly fastened to the cylindrical member 5, which carries a projection or

hook 6 by means of which it is fastened to the main spring 7. This cylindrical member 5 has an aperture 11 (see Fig. VI) by means of which it is journaled on the arbor 3. The winding barrel 8 has teeth 9 by
35 which it is rotated and stopped by any of the usual means.

10 is a pin in barrel 8, to which the outer end of the main spring 7 is fastened. The arbor 3 has a shouldered part which is of the same diameter as the cylin-
40 drical member 5, which tends to keep the main spring 7 parallel with the inside surface of the barrel 8 and with the main wheel 4.

It is evident that the parts of my invention are simple, readily made, easy to assemble and inexpensive
45 and that the main spring will always be parallel with the inside surface of the barrel and with the main wheel, which enables these parts to be put together very near each other, which is a valuable feature in reducing
50 thickness of watches.

I claim:

A watch barrel comprising the following separably formed elements: a shouldered arbor, a winding barrel, a shouldered cylindrical member with a hook and the
55 main wheel; said shouldered arbor being staked to said winding barrel and said shouldered member being staked to the main wheel and journaled on said arbor so that the shoulders on said members form the support for the main spring.

THEODORE SAMUEL BINDSCHEDLER.

Witnesses:

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