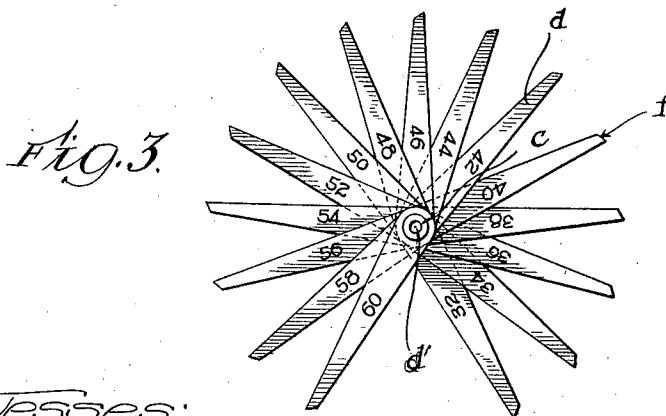
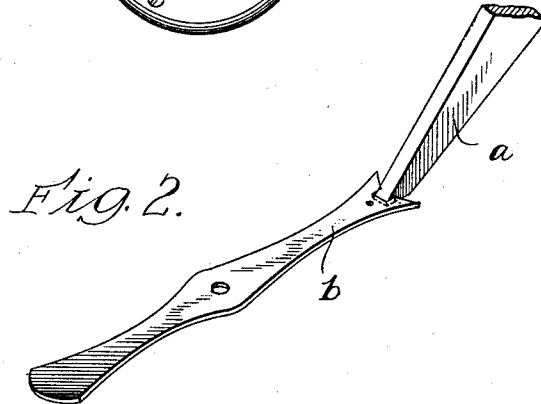
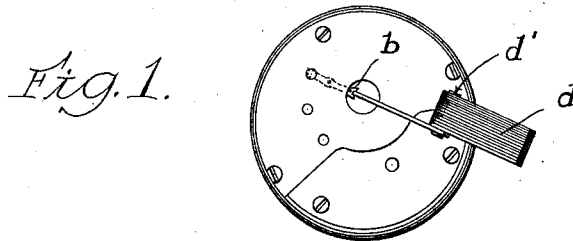


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GAGE FOR WATCHES.  
APPLICATION FILED MAY 1, 1912.

1,058,755.

Patented Apr. 15, 1913.



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# UNITED STATES PATENT OFFICE.

THOMAS J. JUZEK, OF ELGIN, ILLINOIS.

## GAGE FOR WATCHES.

1,058,755.

Specification of Letters Patent.

Patented Apr. 15, 1913.

Application filed May 1, 1912. Serial No. 694,528.

*To all whom it may concern:*

Be it known that I, THOMAS J. JUZEK, a citizen of the United States of America, residing at 420 Spring street, in the city of Elgin, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Gages for Watches, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to the watch industry and has special reference to a multiple gage for use in ascertaining the size of the roller jewel in a watch movement without removing the fork from the watch.

The principal object of the invention relates to watch repairing, and is to provide a multiple gage which can be readily handled and fitted into the fork of a watch movement without removing the fork from the movement, and by so fitting it ascertain and measure the size of the roller jewel required to fit the watch movement. Said invention is principally useful in watch repairing.

Having the above and other objects in view, the invention consists in general of certain novel details of structure and combination of parts hereinafter fully described, illustrated in the accompanying official drawings and specifically claimed.

In the accompanying drawings like characters of reference indicate like parts in the different views of the invention.

Figure 1 represents a top view of a watch movement showing one finger of the multiple gage fitted into the fork of the movement through the roller hole. Fig. 2 is an enlarged view showing one finger (a) of the multiple gage fitted into the fork (b): as would be done in the practical use of the invention. Fig. 3 is an outline view of the roller pin multiple gage showing the fingers (d) of same opened and extended around the pin (c) upon which they are held by a rivet (d'). The numbers (e) appearing on the fingers of the gage designate the thickness of the finger and also the roller jewel

indicated by said fingers respectively; each finger differing in thickness and standing for a roller jewel of the size indicated.

The invention complete in the form here indicated consists of a series of fingers of brass, aluminium, or other metal, arranged along a pin or rivet and held thereon by the usual mechanical means; said fingers being so adjusted to said pin or rivet as to enable them to individually rotate upon and around said pin; said fingers varying in thickness consecutively as arranged along said pin and each representing a certain roller jewel gage. Said fingers may vary in numbers as well as in thickness. The ends or points of said fingers (f) are cut on an angle to facilitate the use of the gage and permit the ing of a single or double roller pin fork.

In the operation and use of said device the first process is the separation of one finger from the others on the pin or rivet by rotating it on said pin. While so extended the entire gage is held in the hand and the end or point of said extended finger fitted into the fork of the watch movement as shown at Fig. 1. If the first finger so employed fits said fork the number appearing on said finger indicates the size of roller jewel required by the watch movement in hand. If the first finger so employed is too large or too small to fit the fork, other fingers are fitted to same until the gage is ascertained. The size of jewel required having been so ascertained, the watch repairer is thereby enabled to select the jewel of the size required and place same in the movement; all said operation being accomplished without removing the said fork from the watch as is necessary without the use of this device. The number on the finger fitting the fork enables the watch repairer to know the size of jewel required.

Having so described the invention what is claimed as new is—

A movable roller jewel gage comprising a series of flat fingers tapering edgewise uniformly from their inner to their outer ends and having their outer ends cut off ob-

liquely to the edges, there being pivot apertures in the broader ends of said fingers, a common pivot in said apertures on which said fingers are rotatable, each of said  
5 fingers having a thickness and bearing a designating number corresponding to the size of a jewel and the outer ends of said fingers being adapted to engage the fork of

a watch movement to ascertain the size of the jewel required.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

THOMAS J. JUZEK.

Witnesses:

ARTHUR H. BUSTERFELD,  
GLADYS L. JORDAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."