

A. WADSWORTH.

Improvement in the Pallets of Watches.

No. 114,372.

Patented May 2, 1871.

Fig. 1.

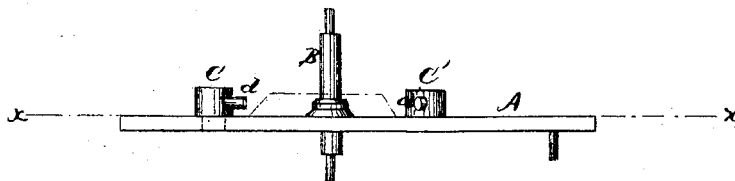


Fig. 2.

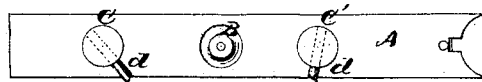
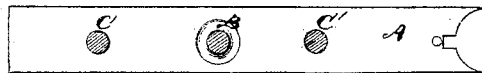


Fig. 3.



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Inventor:
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per
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United States Patent Office.

ARTHUR WADSWORTH, OF NEWARK, NEW JERSEY.

Letters Patent No. 114,372, dated May 2, 1871.

IMPROVEMENT IN THE PALLETS OF WATCHES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ARTHUR WADSWORTH, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Watches; and I do hereby declare that following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of this invention is an improvement in the pallets and jewels of watches, whereby their construction is greatly cheapened and the adjustment rendered more easy and certain.

In the accompanying drawing—

Figure 1 is an edge view of my invention;

Figure 2, a plan or top view; and

Figure 3, a section of same in the line *x x*.

Similar letters of reference indicate like parts in the several figures.

A represents the fork.

B, the staff.

C C', studs.

d d', jewels.

It is well known by watchmakers that one of the most difficult parts to make in a watch is the pallet, and to adjust it properly to the escapement and properly affix the jewels requires the greatest care and experience.

The present invention fully obviates all these difficulties, as will be seen from the following description.

The fork A is made from steel of any desirable kind, and does not differ in size or construction from the fork as generally made.

Through the center of this fork passes, and is there secured, the staff B.

At suitable distances from said staff are affixed the

studs C C'. These studs are secured to the fork A by passing into small holes drilled through said fork and securely riveted thereon.

Through the studs C C' are drilled small holes, through which pass the cylindrical jewels *d d'*, and within which they are securely fastened by shellac or any suitable means.

Now it will be observed that, to adjust my pallet as above described, it is simply necessary to turn the studs C C' until the axis of the holes through them, above referred to, shall be at the required angle, rivet them fast in such position, as above described, then by passing the jewels *d d'* through said holes to such extent as may be deemed necessary, and shellacking them in such position, the pallet is completed.

The studs C C', it will be seen, may be turned to give the jewels *d d'* any desired angle, and the jewels themselves may be allowed to protrude through said studs to any desired extent by simply pushing them in and out of the holes in the studs, as before stated.

The principal advantage of my invention consists in the application of the jewels as herein described, whereby they can be polished and adjusted much more easily and rapidly than heretofore.

Having thus described my invention,

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

The adjustable pallets C C', made with through-bored holes, as shown, in combination with the jewels *d d'* adjustable therein, all substantially as and for the purposes set forth.

ARTHUR WADSWORTH.

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