# A. W. Kientoff.

## Watch Maker's Tool

No. 92,729. Patented Jul. 20, 1869.

Fig. 1.

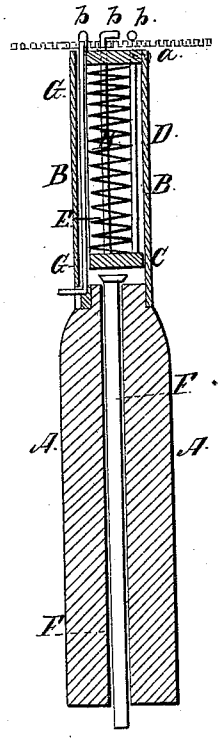
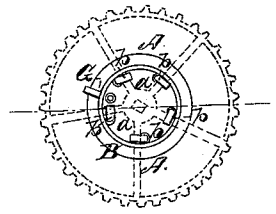



Fig. 2.




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# United States Patent Office.

AUGUST WILHELM KIENTOFF, OF OAKLAND, CALIFORNIA.

*Letters Patent No.* 92,729, *dated July* 20, 1869.

## IMPROVED WATCH-WHEEL HOLDER.

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, AUGUST WILHELM KIENTOFF, of Oakland, in the county of Alameda, in the State of California, have invented a new and improved Watch-Wheel Holder; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a longitudinal section of my improved watch-wheel holder.

Figure 2 is a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention relates to a new implement for holding small wheels, such as are used for watches, to allow their ready cleaning and repairing.

The invention consists of a tool in which a series of spring-jaws is held, that will, when fitted over the spokes of the wheel, securely hold the same to the tool.

A, in the drawing, represents the tubular handle of my improved tool, said handle being made of wood or other suitable material, of suitable size, according to the kind of wheels to be handled.

Upon one end of the handle A is fitted a sheet-metal or other tube, B.

C is a disk, fitted into the tube B.

From it projects a series of wire rods, D D, said rods fitting through the head *a* of the tube B, said head being perforated to let them pass through.

Each rod D is bent on the outside of the tube B, to form a hook, *b*, as shown.

E is a spiral spring, interposed between the head *a* and the plate C, to keep them far apart, and thereby to draw the hooks upon the head *a*.

F is a rod, fitted through the handle A, and projecting from the lower end of the same, its upper end being somewhat enlarged, as shown.

When this rod is pushed in, it will strike the plate C, and will move the same against the spring and toward the head *a;* thereby the rods D will be pushed out. Then a wheel, like that shown in fig. 2, can be placed upon the tool, so that its spokes come under the hooks *b*, and when there the rod F is loose. The spring E will draw the hooks down upon the spokes of the wheel, thereby securely holding the wheel upon the plate *a*.

The hooks *b* are all turned toward the same direction, in the line of a circle, as in fig. 1, so that the wheel, when the hooks are raised, can be easily fitted under them with its spokes, or removed.

To prevent the spontaneous removal of the wheel, a bolt, G, may be arranged, which fits against a spoke opposite to a hook, *b*, as shown in fig. 2.

The handle A need not be tubular. If the tube B is slotted, and a knob projecting from the disk C is fitted through the slot, the rod F can be dispensed with.

This tool is of great value to watch-makers for holding the wheels during the repairing or cleaning-operations.

Watch-wheels are made with three, four, and five or more spokes. One tool can only be adapted to one kind of wheels, that shown in fig. 1 having five hooks for a five-spoked wheel.

A watch-maker provided with three or four of these tools, will have enough to handle most all wheels.

Having thus described my invention,

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

The improved tool herein described, its constituent parts being constructed and fitted together as and for the purpose specified.

AUGUST WILHELM KIENTOFF.

Witnesses:

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