

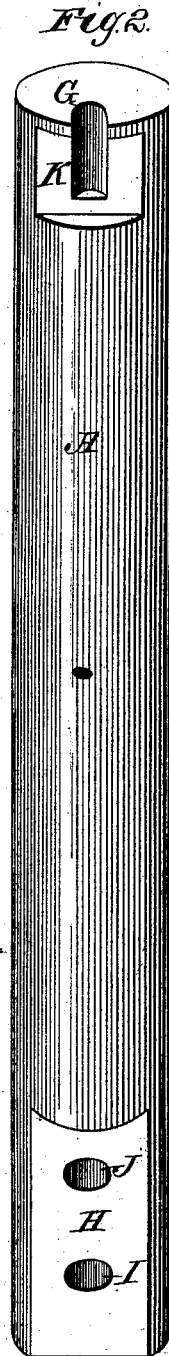
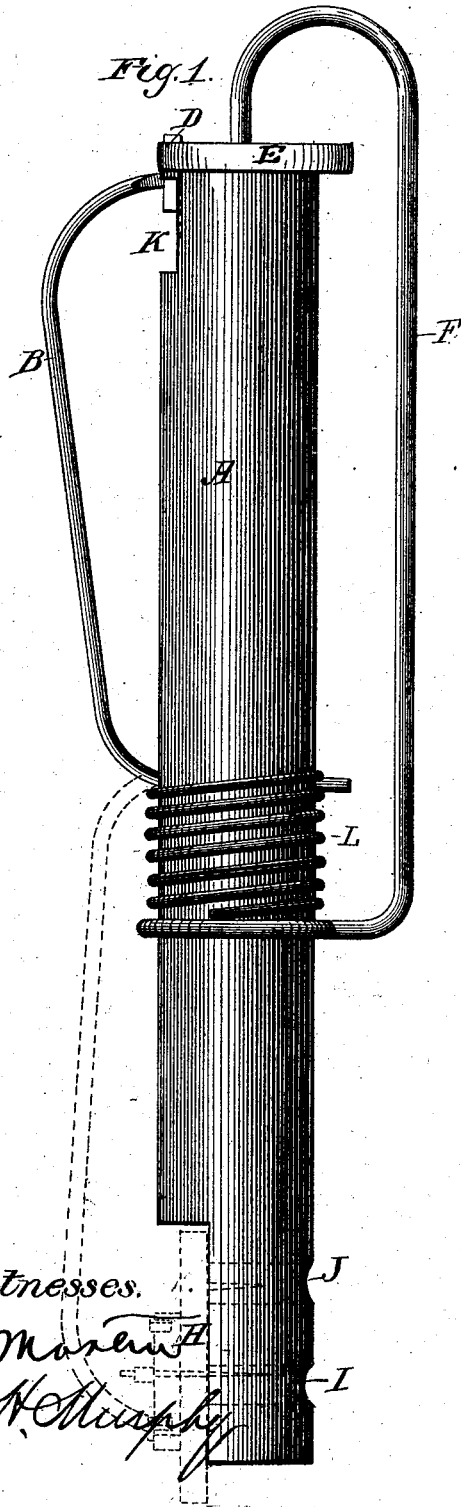
(Model.)

W. HART.

RUBY PIN AND PALLET SETTER.

No. 264,533.

Patented Sept. 19, 1882.



Witnesses.  
W. J. Mason  
McK. Murphy

Wm Hart  
Inventor  
by W. T. Fitzgerald  
Attorney

# UNITED STATES PATENT OFFICE.

WILLIAM HART, OF KIRKSVILLE, MISSOURI.

## RUBY-PIN AND PALLET SETTER.

SPECIFICATION forming part of Letters Patent No. 264,533, dated September 19, 1882.

Application filed May 29, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, WILLIAM HART, a citizen of the United States, residing at Kirksville, in the county of Adair and State of Missouri, have invented a new and useful tool for the use of watch-makers, entitled "Ruby-Pin and Pallet Setter;" and I do hereby declare that the following is a full and clear description of the manner of using the same, sufficient to the full understanding of the artisan of the class to which the tool belongs, reference being had to the annexed drawings, making a part of this specification, in which—

In Figure 1 is represented a side view of the tool complete, and in Fig. 2 a front and end view of the body of the tool alone.

A represents the stem or body of the tool, with a cross-groove, K, and one lengthwise, G, for the ruby-pin, which is represented in place, with the spring-clamp B upon it. The transverse groove is merely to open to view the position of the pin and give room to adjust it to the proper place, which is done by the tweezers.

D represents the pin as projecting through the roller E, to which it is to be attached by cement—*e. g.*, shellac cement.

F represents a clamp drawn down upon the roller by the coiled spring below, the clamp B keeping the ruby-pin in place and the clamp

F the roller until they are cemented together, which is done, after applying the cement, by passing over the blaze of the lamp.

In Fig. 2, G represents the groove into which the pin is laid preparatory to applying the roller for setting.

In setting pallets the lever is placed upon the flat surface at H, the staff entering the hole at I and the pin in the lever at J, as shown in dotted lines. The lever may be moved or reversed, as circumstances require. The lever and the pallets proper are held together in place by swinging round and making use of the spring-clamp B.

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

1. The combination of the stem A, having grooves G and K, with the clamps B and F and the coiled spring L, substantially as described, and for the purposes set forth.

2. The combination of stem A, having grooves G and K, and flat surface H and holes J and I, with the clamps B and F and the coiled spring L, substantially as and for the purposes set forth.

WILLIAM HART.

Witnesses:

GEO. R. BREWINGTON,  
S. K. FOWLER.