

The movement of the pivot polisher slide must be continuous with no unevenness or it will be noticeable in the finished work.

### The Wig-Wag

The regular pivot polisher is really the best tool for making a factory-like balance staff. An excellent job may, however, be produced with a wig-wag. In Figure 80 is shown a wig-wag which is made of a section of brass tubing. If one desires, little narrow strips of bell metal or steel may be soft soldered to the edges. In a

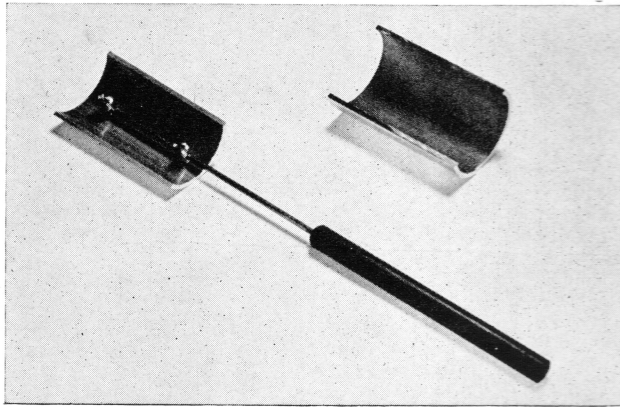


Figure 80—A wig-wag made from a section of a brass tube.

like manner one side may even be tinned. For working on conical pivots one edge is slightly rounded. A sharp corner is easily obtained by filing diagonally across both sides. The grinding and polishing materials are the same as for the pivot polisher.

Figure 81 shows how the wig-wag is used to polish square shoulders. For polishing conical pivots the tool is held at an angle to the bed of the lathe. The corner of the tool need be rounded only slightly. The shape of