

### WHEN NOT IN ACTUAL USE, ALWAYS KEEP YOUR RULE IN ITS CASE

You will thus not only protect it from accidents but this good habit will go a long way toward keeping your slide rule always clean and smooth-running.

### NEVER ABUSE YOUR SLIDE RULE

It is truly a precision instrument; respect it as such. Protect it from extremes in heat, humidity, and handling. No thinking person would keep a fine camera on top of a radiator or in a damp basement and expect it to perform properly. Give your slide rule as much consideration. Don't throw it into a drawer or hang it on a desk, even when it is in its case.

### WHEN CLEANING YOUR SLIDE RULE

The face of your slide rule may be cleaned by wiping it with a slightly damp, clean cloth. If your slide rule is made of wood and plastic, be very careful to keep all moisture away from any wood surface. To clean the underside of the indicator glass, place a slightly moistened piece of paper on the face of the rule and gently rub the indicator over it.

### IF THE INDICATOR IS OUT OF ALIGNMENT

To check the alignment of your indicator, set the hair-line exactly on the index graduation (the number "1") of the "C" and "D" scales. At this one setting, the hair-lines of the indicator should coincide with the index graduation of every scale on both sides of one end of the rule.

If this test shows misalignment, loosen the four screws holding the indicator glass on the side of the rule where misalignment occurs, lightly press the edges of the indicator frame until alignment is obtained; then retighten screws while holding glass in its proper position . . . as shown in Figure 3 below.

Misalignment of indicator hairlines on both sides of the rule at the same time rarely occurs. It can happen when a broken indicator glass is replaced. If it does, be sure to obtain alignment on one side of the rule before attempting to align the indicator on the other side; in other words, never attempt any adjustment with all eight indicator-glass screws loose at the same time.

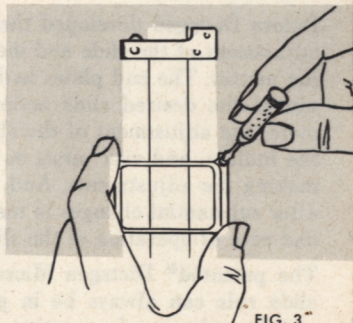


FIG. 3"

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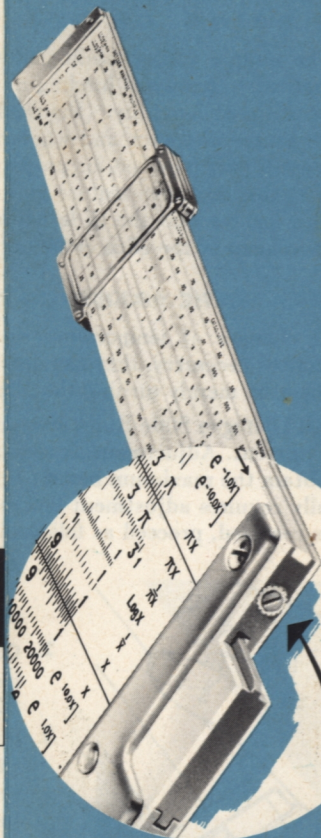
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Instructions for  
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# DIETZGEN SLIDE RULE

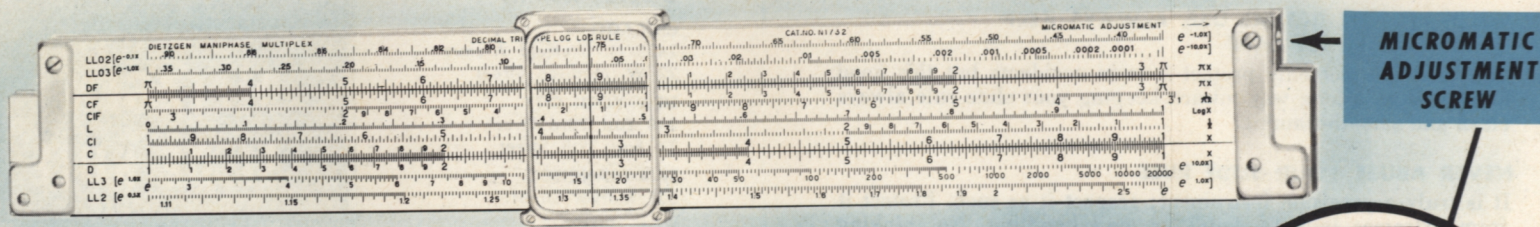
with . . .



. . . Exclusive  
**MICROMATIC  
ADJUSTMENT**

# ONLY...DIETZGEN SLIDE RULES HAVE MICROMATIC ADJUSTMENT

... the most important improvement in slide rule construction in 50 years.



## AUTOMATICALLY ELIMINATES BINDING OF THE SLIDE

The unique spring loading of the upper section of the rule automatically eliminates binding of the slide caused by changes in temperature or humidity. (Figure 1) Perfect slide action is insured at all times—whenever and wherever the slide rule is used—no adjustment is ever required for proper slide friction. What's more, not only does this exclusive feature guarantee that the slide will not stick, it also insures that the slide will not become so loose that accidental movement of the slide causes errors.

## MICROMATIC ADJUSTMENT OF INDICES

If changes of temperature or humidity make adjustment of the indices necessary, they can quickly and easily be brought into alignment by merely turning the Micromatic Adjusting Screw.

All Dietzgen Slide Rules are carefully inspected and adjusted before shipment. Adjustment, if required at all, is only rarely needed. To obtain the maximum benefit from your slide rule be certain it actually requires adjustment before starting to adjust it. If adjustment is required, proceed as follows:

1. Accurately align the left index on the "C" scale with the left index on the "D" scale.
2. Observe the relative positions of the indices on the left-hand end of the "CF" and "DF" scales.
3. If they are out of alignment, hold the slide firmly against the bottom section and merely turn the Micromatic Adjusting Screw. (Figure 2) If the left-hand index of the "DF" scale is too far to the right, turn the Micromatic Adjusting Screw in a counter-clockwise direction until the indices of the "CF" and "DF" scales are in alignment.

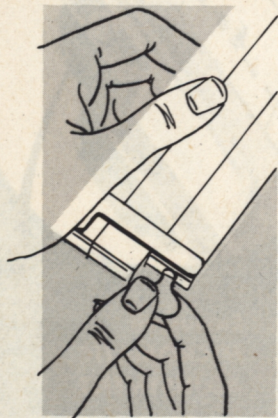
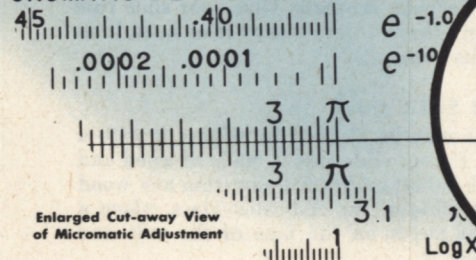


FIG. 2

## MICROMATIC ADJUSTMENT



Enlarged Cut-away View of Micromatic Adjustment

FIG. 1

If the "DF" index is too far to the left turn the Micromatic Adjusting Screw in a clockwise direction until the indices are in alignment.

**CAUTION:** The Micromatic Adjustment Screw has been designed to permit sufficient adjustment for even the most extreme changes of temperature. It operates very easily throughout the adjustment range, but when the entire amount of travel has been reached a resistance to turning will be noted—do not force the adjustment beyond this point.

## THE OLD WAY

Before Dietzgen developed the Micromatic Adjustment, the proper adjustment of the slide and indices was a difficult and time-consuming matter. The end plates had to be loosened and carefully reset to obtain the desired slide action and alignment of indices. What's more, the adjustment of the slide friction affected the alignment of the indices, and visa versa, so that extreme care had to be used in making the adjustments. And, unless these adjustments were made after substantial changes in temperature or humidity, both accuracy and ease of operation of the slide rule were affected.

The patented\* Dietzgen Micromatic Adjustment insures that your slide rule can always be in perfect adjustment for maximum accuracy and ease of operation.