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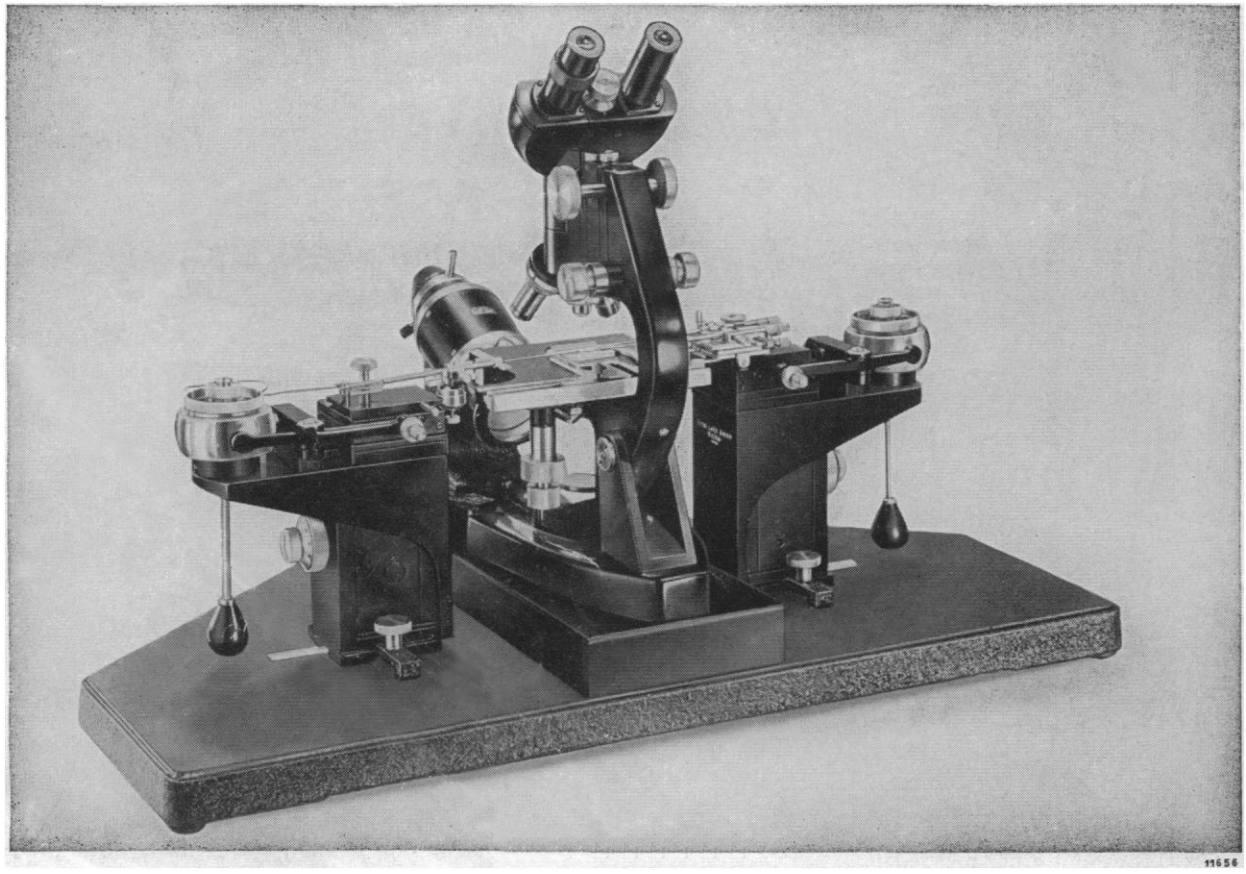

Horizontal and vertical movements of this mechanically operated instrument are independent, but can be adjusted simultaneously. Adjustable ratio of movement enables micro knives, needles, pipettes, etc., to be kept within a field of 0.1 mm. Single and double needle holders are available. Positive control of micro-instruments, without backlash, drift, or thermal expansion assured.

A reputation for integrity and a tradition of service have led thousands of scientific workers to bring their optical problems to Leitz. If you have problems in this field, why not let us help you with them?

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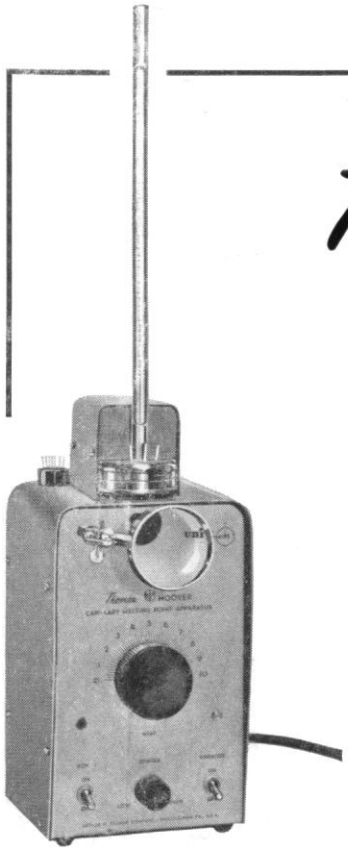

Thomas-Hoover "UNI-MELT" CAPILLARY MELTING POINT APPARATUS

- *Completely self-contained, with bath unit totally enclosed for safety*
- *Built-in capillary vibrator to insure uniform packing of sample*
- *Lagless heat transfer for rapid heating and cooling*

Developed by Dr. John R. E. Hoover, of Philadelphia, for determining with ease and accuracy capillary melting points in accordance with official U.S.P. and other methods.

Consisting of oil bath with electric stirrer, lightweight heating element controlled by autotransformer, built-in capillary vibrator, etc., combined in a single sturdy unit.

The lightweight heating coil offers the advantage of rapid response to changes in input voltage. This permits heating the bath rapidly to within a few degrees of the anticipated melting point and then quickly reducing the heating rate to raise slowly the temperature until melting occurs. The bath may then be cooled rapidly for the next determination by attaching the laboratory compressed air line to the fitting provided.

A standard 100 ml beaker of borosilicate glass is used as the melting point bath, eliminating replacement of costly custom glassware in the event of breakage. The bath is protected from dust and air currents by being completely contained within the instrument case. Observation of the melting point is facilitated by the magnifier and adjustable, self-contained lighting. Oil bath is stirred by an electrically driven stirrer with speed controlled from instrument panel. Provision is made for running as many as *five* samples simultaneously.

A unique feature of the apparatus is a built-in capillary vibrator which permits the capillaries to be shaken violently and uniformly, thereby insuring uniform packing of sample in the capillary. Instrument is housed in a gray metal case, with thermometer protected by metal guard. For ease in replacing or changing the bath liquid, bath assembly, including stirrer and thermometer, can be lifted out of the cabinet.

Showing buth unit lifted out of the cabinet for replacing bath liquid, etc.

6406-H. Capillary Melting Point Apparatus, Thomas-Hoover "Uni-Melt," electrically heated, as above described, complete with thermometer—10 to 360°C, calibration standards, heating rate calibration chart, 3 oz. Silicone Oil, 1 vial Capillaries, and 6 ft. three-wire connecting cord with 2-prong attachment plug cap; for 115 volts, 60 cycles, a.c..... **170.00**

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