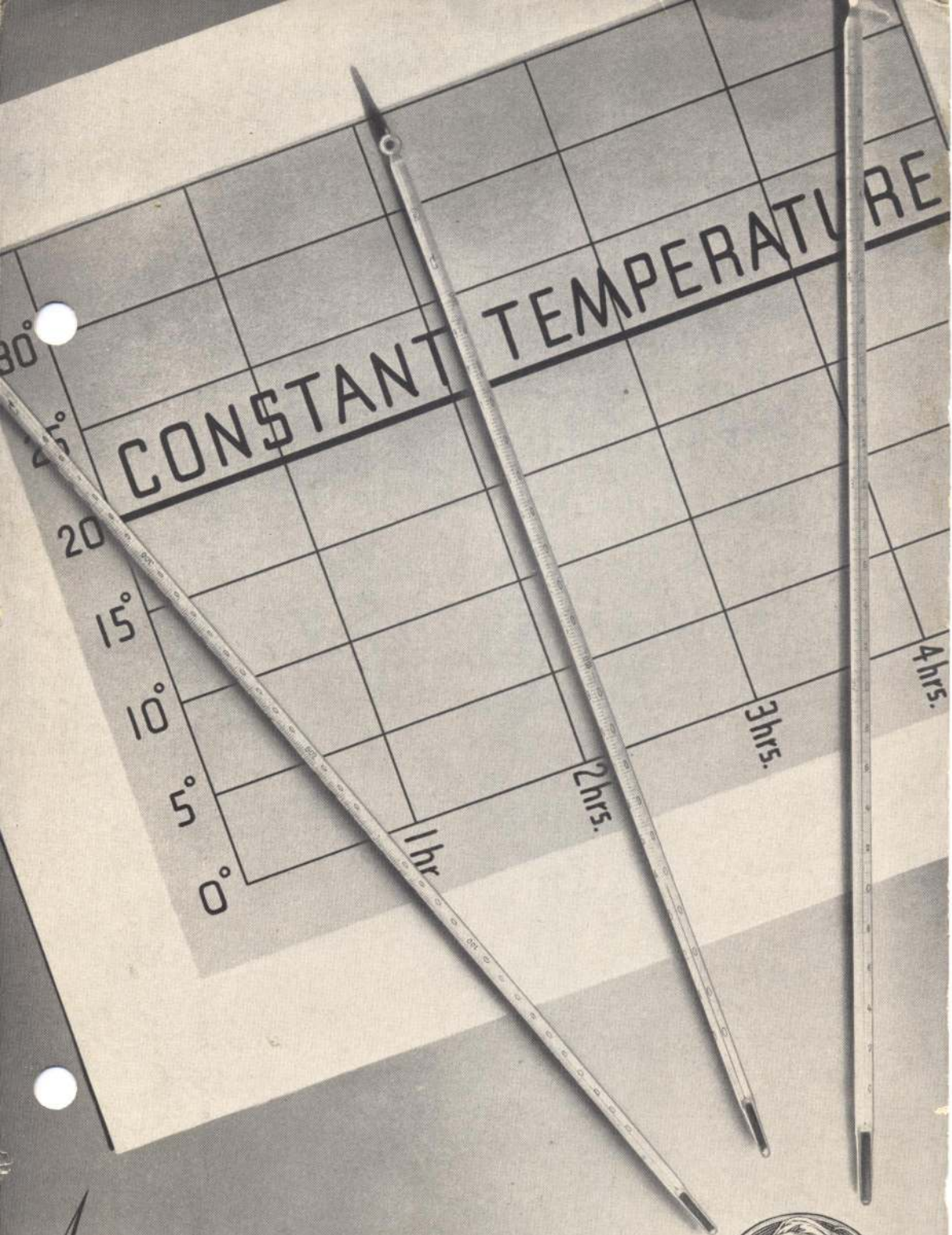


# CONSTANT TEMPERATURE



ACCURACY-SPEED-CONVENIENCE



# CONSTANT TEMPERATURE

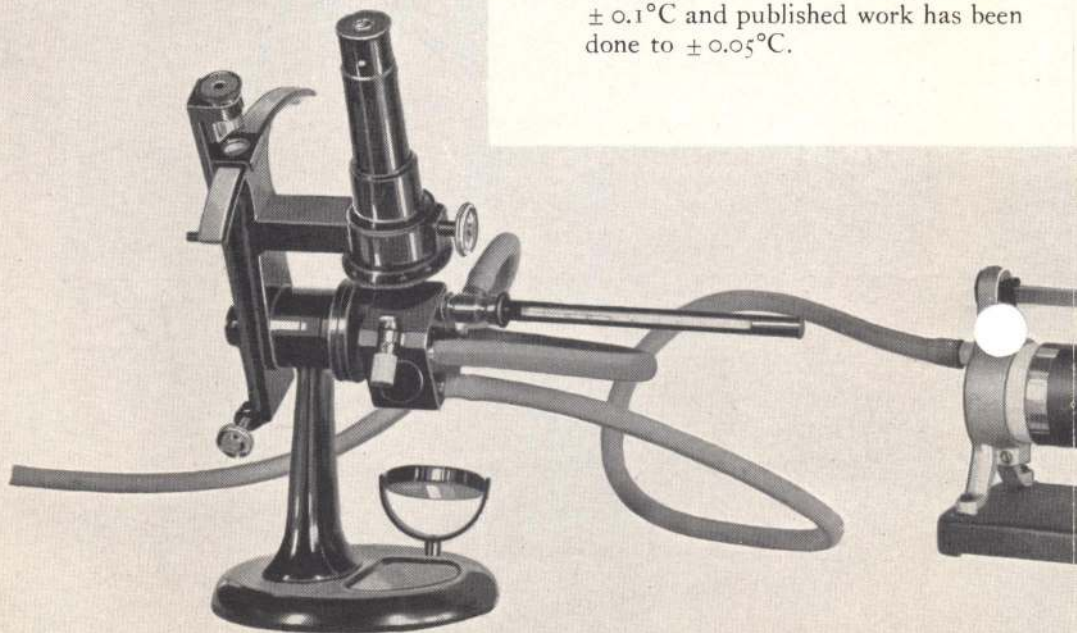
FOR USE WITH  
ABBE OR  
DIPPING  
REFRACTOMETER  
HYDROGEN-ION  
COLORIMETER  
WATER BATHS  
HOT STAGES

EVERY chemist knows the importance of constant temperature control — of having at hand, as convenient as gas or electricity, a steady flow of water at a constant temperature.

It was to increase the convenience and accuracy of optical instruments that Bausch & Lomb designed this constant temperature control; but its application is wide. It will simplify problems in almost every laboratory.

It is absolutely necessary for accurate work with refractometers (illustration shows use with B & L Abbe Refractometer), and the convenience makes it possible to titrate at constant temperature and to make pH measurements at the proper temperature of 25°C.

The effluent can be easily held to  $\pm 0.1^{\circ}\text{C}$  and published work has been done to  $\pm 0.05^{\circ}\text{C}$ .



# E CONTROL

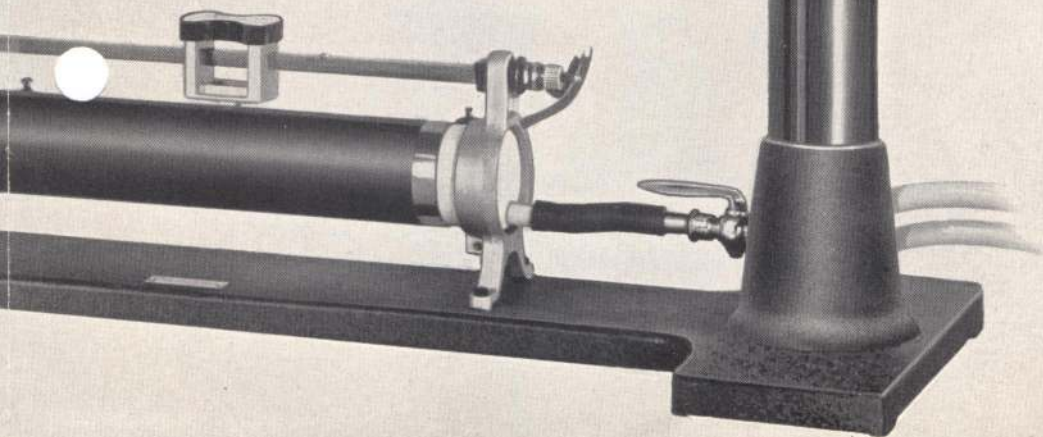
In comparison with the hanging tank and gas heated coil apparatus, this equipment has the following advantages:

1. Lower Cost
2. Less Space Required
3. More Accurate
4. Semi-Portable
5. Quicker to bring to constant temperature.

The equipment itself consists of a constant pressure tower, a valve to regulate the flow, and a variable electric heater. It may be set on the table or upon a shelf. It will deliver approximately one to two liters per minute of effluent at the desired temperature. The temperature is adjustable from  $+5^{\circ}\text{C}$  of the temperature of the input to  $+40^{\circ}\text{C}$ .

Service connections required are:

- 110 Volt A.C. or D.C.
- 1 Cold Water Connection
- 1 Connection to Drain.



The Constant Temperature Control Equipment will save labor and assist in getting more precise results from laboratory instruments.

Here is a device built by Bausch & Lomb--built of appropriate materials according to the same standards of workmanship as B & L Optical Instruments.

| Code Word     | Catalog No. | Specifications   | Price   |
|---------------|-------------|--|---------|
| <i>Klitzh</i> | 33-45-86    | Constant Temperature Control Equipment, as described. . . . .net | \$45.00 |

**BAUSCH & LOMB OPTICAL CO.**  
ROCHESTER, N. Y., U. S. A.