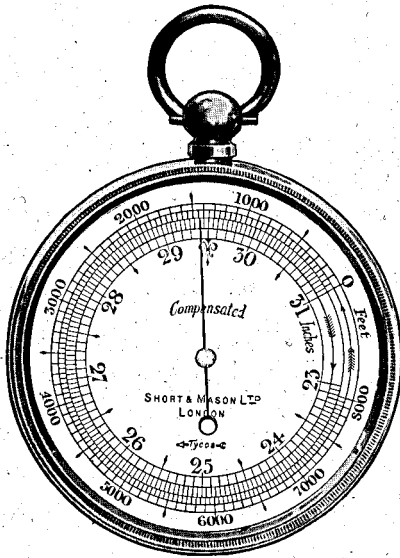


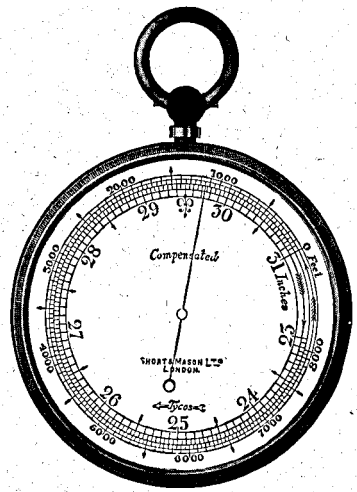


### Aneroid Barometers

For Measuring Heights and Atmospheric Pressure



No. 4700



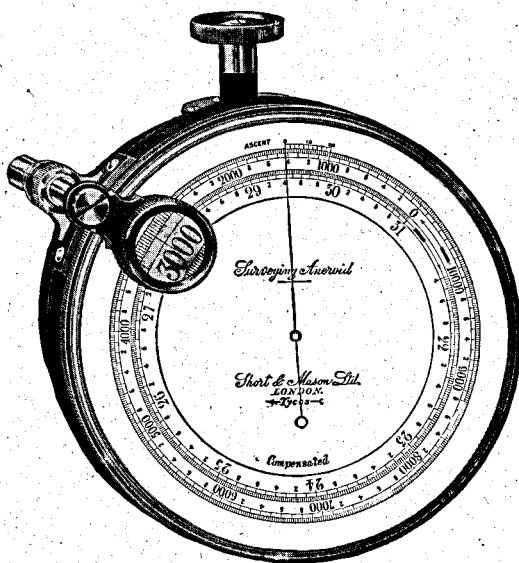
No. 4712

- No. 4700. Watch Pattern, gilt case, 1 3/4 in. diameter, silvered metal dial, revolving altitude scale 8,000 feet, compensated for temperature, in morocco case..... Each \$
- 4702. Like No. 4700, but altitude scale 3,000 feet..... Each
- 4703. Like No. 4700, but altitude scale 12,000 feet..... Each
- 4704. Like No. 4700, but altitude scale 16,000 feet..... Each
- 4712. Pocket Pattern, gilt case, 2 1/2 in. diameter, silvered metal dial, revolving altitude scale 8,000 feet, compensated for temperature, in morocco case..... Each
- 4714. Like No. 4712, but altitude scale 3,000 feet..... Each
- 4715. Like No. 4712, but altitude scale 12,000 feet..... Each
- 4716. Like No. 4712, but altitude scale 16,000 feet..... Each



# Aneroid Barometers

For Measuring Heights and Atmospheric Pressure



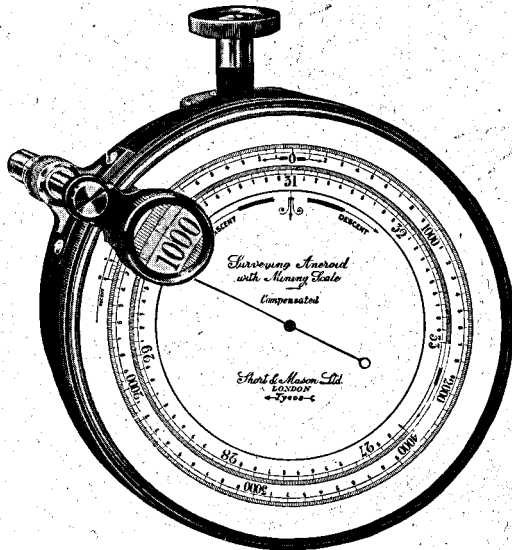
No. 4725

- No. 4725. Surveying Aneroid Barometer, bronzed case, 3 in. diameter, finely engraved silvered dial, graduated on raised ring; fixed altitude scale 10,000 feet; vernier scale reading to 2 feet, moved by rackwork motion; compensated for temperature; adjustable reading lens. In leather sling case. . . . . Each \$
- 4727. Like No. 4725, but altitude scale 3,000 feet. . . . . Each
- 4730. Like No. 4725, but altitude scale 16,000 feet. . . . . Each
- 4732. Surveying Aneroid Barometer, bronzed case, 5 in. diameter, finely engraved silvered dial, graduated on raised ring; fixed altitude scale 10,000 feet; vernier scale reading to 1 foot, moved by rackwork motion; compensated for temperature; adjustable reading lens. In leather sling case. . . . . Each
- 4734. Like No. 4732, but altitude scale 3,000 feet. . . . . Each
- 4737. Like No. 4732, but altitude scale 16,000 feet. . . . . Each



### Aneroid Barometers

For Measuring Heights and Atmospheric Pressure



No. 4745

No. 4745. Mining Barometer, bronzed case, 3 in. diameter, finely engraved silvered dial, graduations on raised ring; fixed altitude scale 2,000 feet below and 4,000 feet above sea level; vernier scale operated by rack and pinion, reading to 1 foot; compensated for temperature; adjustable reading lens. In leather sling case..... Each \$

4748. Mining Barometer, like No. 4745, but 5 in. diameter. Each

#### Aluminum Cases for Surveying and Mining Aneroids

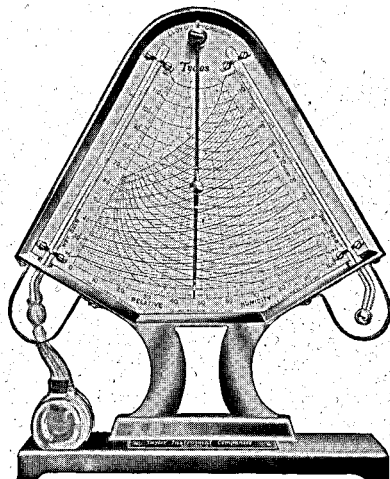
Nos. 4725 to 4730 and 4745..... Each \$

4732 to 4737 and 4748..... Each



# Hygrometers

Illustration about 1/3 size



No. 4760

The instrument illustrated is a Wet- and Dry-Bulb Hygrometer with the thermometer tubes mounted on a chart, on the side margins of which the temperature scales are engraved. These correspond closely to the accurate scales engraved on the thermometers and, by following directions given below, the existing humidity can be read off the chart without reference to tables.

## Directions for Use

To find the relative humidity, swing the index hand to the scale at the left of the chart and set the sliding pointer at degree line upon the chart which corresponds to the temperature shown upon the engraved stem of the wet-bulb thermometer. Then swing the index hand to the right until the sliding pointer intersects the curved line which extends downward to the left from the degree line upon the chart corresponding to the indicated temperature of the dry-bulb thermometer. At this intersection the index hand will point to the relative humidity on the scale at the bottom of the chart.

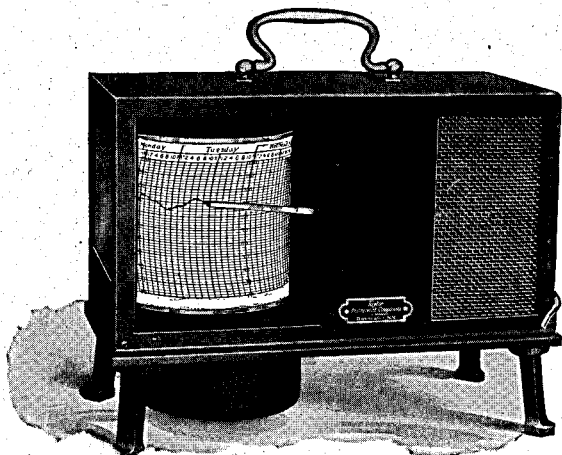
No. 4760. Hygrometer, standing form, nickel silver finish dial; polished brass frame; size 10x7<sup>3</sup>/<sub>4</sub>x3 inches; engraved, magnifying, mercury filled tube; glass cistern; silk wick; scale range 20° to 120° F. In a box.....Each \$

4762. Like No. 4760, but with range of scales 80° to 180° F. In a box .....Each



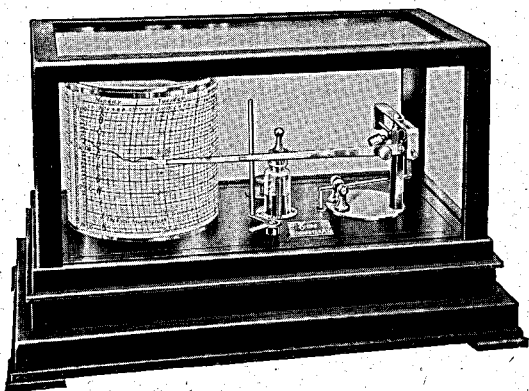
## Barographs and Thermographs

Are arranged to give upon a chart a continuous 7 day record of temperature. The chart is divided into days and two-hour subdivisions of each day. Horizontally the dividing lines are in degrees of temperature. The arm carrying the recording pen is connected directly with bi-metallic coil, which changes as the temperature rises or falls. The record is marked in ink.



No. 4780

No. 4780. Barograph, metal, non-corrosive case, 10x8x5 inches, complete with year's supply of charts 0° to 100° F., minus 20° to plus 30° Cent., 20° to 120° F., bottle of ink and full directions. Weight about 8 pounds.....Each \$



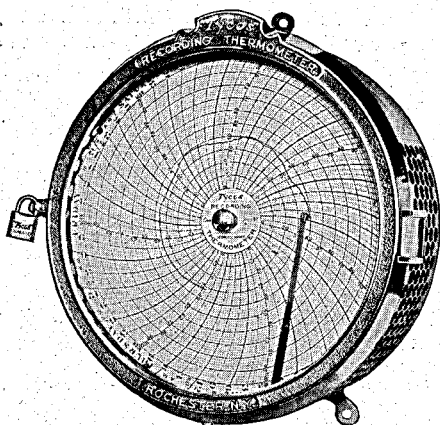
No. 4784

No. 4784. Stormograph. Automatically registers weather changes, and the new style of chart makes it possible to get information on "what to expect." Glass covered mahogany case 13 1/4 x 7 1/2 x 7 3/4 inches. Complete with forecast cards, year's supply of charts, bottle of ink and full directions....Each \$



## Recording Thermometer

Self-contained



No. 4790

This Recording Thermometer is admirably adapted for recording temperatures in public buildings, greenhouses, gardens, homes and for industrial purposes in general; is very sensitive and finely constructed. The case measures 12 inches in diameter and is fitted with a lock and key; is weather resisting and has a polished bronze front.

Each

- No. 4790. Recording Thermometer, with bottle of recording ink, and 100 of any one of the charts below mentioned. . . . . \$
- 4791. Charts, range 10° to 120° F., divisions 2°, timing 1 day . .
- 4792. Charts, range 0° to 100° F., divisions 2°, timing 1 day . .
- 4793. Charts, range 0° to 100° F., divisions 2°, timing 7 days . .
- 4794. Charts, range 10° to 120° F., divisions 2°, timing 7 days . .
- 4795. Charts, range 0° to 130° F., divisions 2°, timing 7 days . .
- 4796. Charts, range 20° to 50° C., divisions 1°, timing 7 days . .

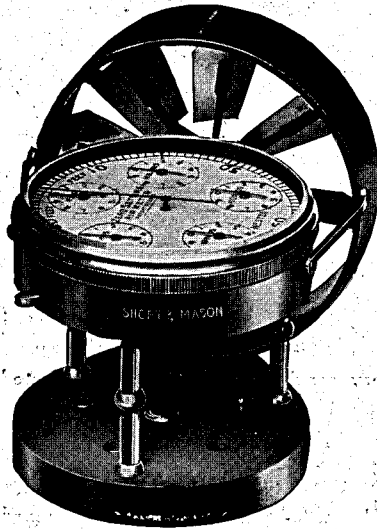
Specify carefully which chart is desired.



## Airmeters Or Wind Gauges

For measurement of air currents through mines, tunnels, sewers, and the ventilation of hospitals, public buildings, etc. Are also used for giving surface wind velocities in the open for meteorological and aviation purposes. The fan wheel moves the long hand of the main dial, which at one circumference denotes the passage of 100 feet of air. The smaller dials will continue to enumerate up to 10,000,000 feet.

The fan wheel may be halted at will by a disconnecter at opposite side of the dial. All the indices, or hands, can be set back to zero, or starting point, so that the sum of the reading, for any single observation, can be instantly seen without having to consider a previous test.



No. 4810

No. 4810. Airmeter, 6 dials, reading to 10,000,000 feet, with zero setting attachment, diameter of fan  $2\frac{3}{4}$  in., in case. Each \$

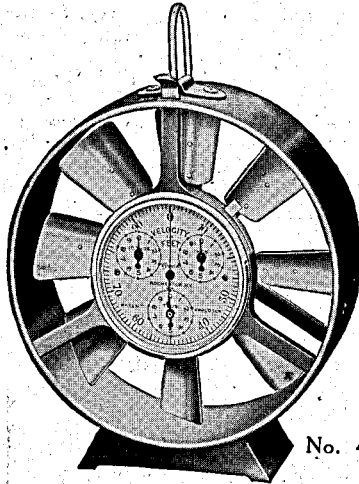
4812. Airmeter, 4 dials, reading to 100,000 feet, with zero setting attachment, diameter of fan  $2\frac{3}{4}$  in., in case. . . . . Each

Each instrument is supplied with a correction chart. All Airmeters are jeweled movement. Four and Six Dial Airmeters stand pressure to 3,000 feet a minute.



### Anemometers Or Wind Gauges

Zero  
Setting

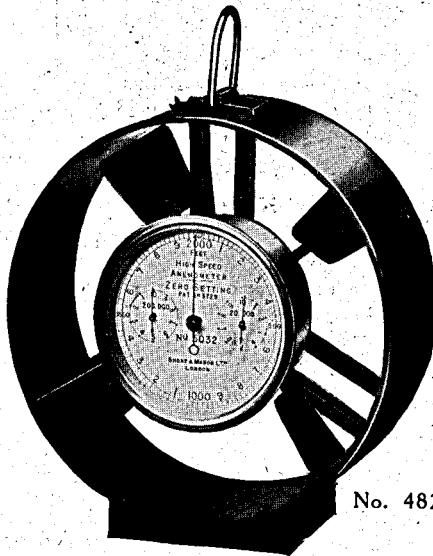


Full  
Jeweled

No. 4815

- No. 4815. Biram Anemometer, 4 in. diameter, 4 dials, reading to 100,000 feet ..... Each \$
- 4817. Biram Anemometer, 3 in. diameter, 2 dials, reading to 1,000 feet ..... Each

Zero  
Setting



Full  
Jeweled

No. 4820

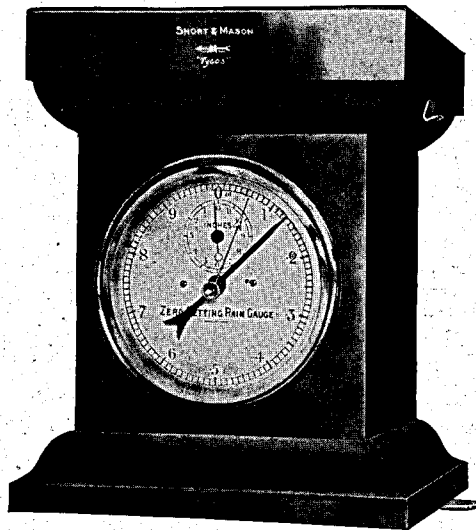
- No. 4820. High-Speed Anemometer, 3 1/2 in. diameter, 3 dials reading to 200,000 feet, capable of registering very strong blast currents up to 6,000 feet per minute..... Each \$

Leather cases are furnished with Nos. 4815 to 4820.



## Rain Gauges

This Rain Gauge is a pattern known as the "tilting bucket." No measurement by means of a graduated glass is necessary, as the rain is collected in the 8 inch roof receiver and taken through a small pipe and dropped into one side of a bucket. When a given amount of rain has collected in the bucket (0.01 inch) the weight causes it to overbalance, and, by a mechanical arrangement, the hand moves 0.01 inch on the dial. The rain, still passing through the receiver, is collected in the opposite bucket and when that has received the given amount, the same operation is repeated. It is particularly useful when a person wants to keep a record of rainfall by the month or week, as, by the zero-setting device no calculation is necessary. The dial registers 1 inch in 0.01 inch; the second or smaller dial reads upwards to 12 inches.



No. 4840

- No. 4840. Rain Gauge, zero setting, jappaned metal case, 8x10 inches .....Each \$  
 4842. Rain Gauge, zero setting, copper case, 8x10 inches..Each

## Pedometers and Passometers

Pedometers register the distance walked, the hand advancing in accordance with the length of stride and for which length the instrument is adjustable.

- No. 4850. Pedometer, watch pattern, nickel case, registering to 10 miles .....Each \$  
 4852. Pedometer, watch pattern, nickel case, registering to 100 miles .....Each

Passometers register the number of steps walked. The distance walked may be approximated by averaging the length of stride and multiplying by the number of steps recorded on the Passometer.

- No. 4856. Passometer, watch pattern, nickel case, registering to 25,000 steps .....Each \$  
 4858. Passometer, watch pattern, nickel case, registering to 100,000 steps .....Each