FIFTEENTH EDITION

Catalog of

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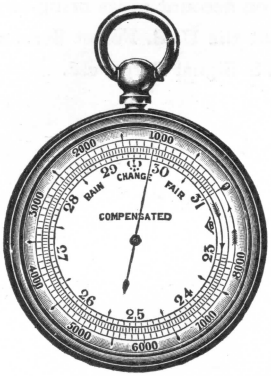
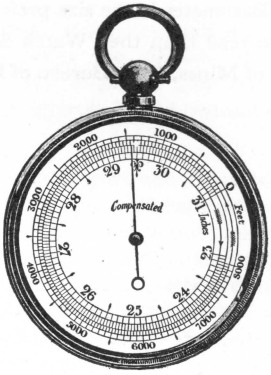
ANEROID BAROMETERS

Watch size 1¾ in. diameter

For measuring heights and atmospheric pressure



No. 6898.



6900.

Aneroid Barometers are popular with engineers, prospectors, geologists, tourists and all those to whom information on Altitude is of interest and value. The movements of these instruments are carefully compensated to offset the effect of changing temperature and they are so constructed that they do not easily get out of order.

6898. **Aneroid** Barometer, diameter 1¾ in., gold plated case, silvered metal dial, altitude scale of 8,000 feet in 100 feet divisions, compensated for temperature, in soft leather case, Each,

6898E. **Aneroid** Barometer, like 6898, except reading to 12,000 ft. in 100 ft. divisions, Each,

Best Quality Aneroid Barometers

Watch size, 1¾ in. diameter

6900. **Aneroid** Barometer, diameter 1¾ in., gold plated case, with highest grade movement, silvered metal dial, movement so arranged that it will not become strained if taken beyond the altitude as engraved on the dial. Altitude scale of 8,000 feet in 50 feet divisions, compensated for temperature, in soft leather case, Each,

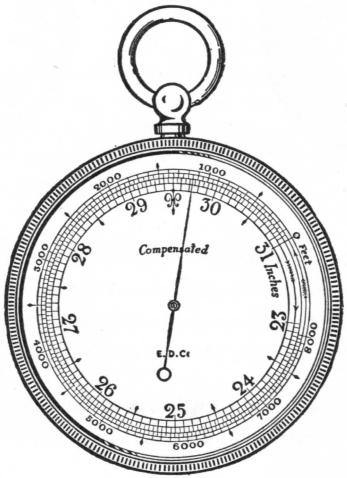
6900E. **Aneroid** Barometer, like 6900, except altitude scale reading to 12,000 feet in 50 feet divisions, Each,

6900F. **Aneroid** Barometer, like 6900, except altitude scale reading to 16,000 feet in 100 feet divisions, Each,

ANEROID BAROMETERS

Pocket Size, 2¾ In. Diameter

This Barometer is the size preferred by engineers on account of its being larger and easier to read than the "Watch Size". It is in use at the U. S. Forest Service, U. S. Bureau of Mines, U. S. Bureau of Plant Industry, U. S. Signal Corps, etc.



No. 6906.

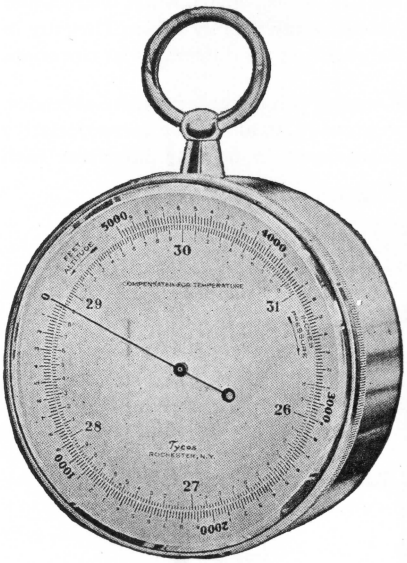
6906. **Aneroid** Barometer, diameter 2¾ in., gold plated case, with highest grade movement, silvered metal dial. Movement so arranged that it will not become strained if taken beyond the altitude engraved on the dial. Altitude scale of 8,000 feet in 50 feet divisions, compensated for temperature, in soft leather case, Each,

6906B. **Aneroid** Barometer, like 6906, except altitude scale reading to 3,000 feet in 10 feet divisions, Each,

6906E. **Aneroid** Barometer, like 6906, except altitude scale reading to 12,000 feet in 50 feet divisions, Each,

ALTITUDE ANEROID BAROMETERS

For the Use of Engineers, Tourists, Travelers and Motorists



No. 6911C.

The Altitude Barometer enables anyone to readily determine the altitude of hills or mountains over which he may travel, and will prove an interesting and instructive companion.

It possesses a distinct and valuable advantage over other forms, as the altitude scale, instead of being graduated in unequal divisions as on other barometers, is divided equally and revolves around the barometer pressure dial. This means that the zero on the altitude scale can always be set to the point of the hand, without error, so that in traveling the hand will always point to the true elevation of the instrument from its starting point, without any deduction or addition.

Of American manufacture throughout, with a duplication of the altitude and barometer scales as designed by our Government and having a very thorough mechanical compensation for temperature, these instruments will be found accurate, sensitive, and dependable.

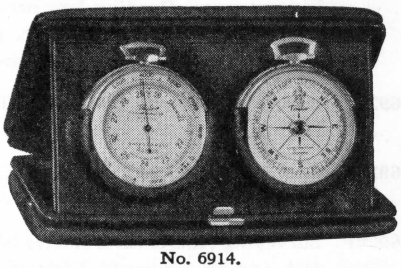
6911C. **Altitude Aneroid** Barometers, Watch pattern, 2¾ in. diameter, and about 1¼ in. deep, grained aluminum case and silvered metal dial with equal altitude scale of revolving type reading to 5,000 feet in 20 feet divisions, in stitched leather sling carrying case, Each,

6911D. **Altitude Aneroid** Barometers, like 6911C, but altitude scale 10,000 feet in 50 feet divisions, Each,

Admiral Byrd Traveling Set

This set consists of two instruments indispensable to the engineer, traveler, tourist, etc. It consists of an Aneroid Barometer, finest quality Watch pattern, gilt case, 1¾ in. diameter, Altitude Scale of 10,000 ft. in 50 ft. divisions, compensated for temperature; Pocket Compass, gilt case, with floating aluminum dial.

6914. **Admiral Byrd** Traveling Set, complete in best quality folding, leather pocket case, Each,



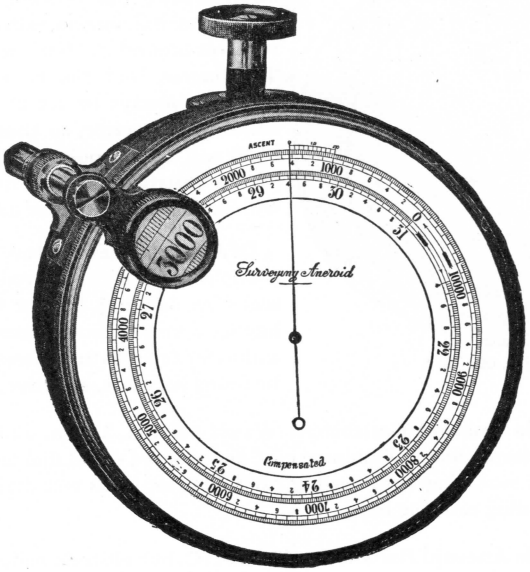
No. 6914.

SURVEYING ANEROID BAROMETERS

For Engineering Purposes

These instruments are specially designed to ascertain variations of gradients, levels, etc. For approximate surveys and leveling of roads, railways, canals, water courses and mines they are invaluable, as their readings are so easily and rapidly taken. They are in great demand for geologists in the oil regions for checking up differences in elevation.

The action has been arranged to give accurate readings on a regular scale of altitudes. The barometer scale of inches has been made progressive, to afford the correct relative readings with the scale of altitudes, but this arrangement in no way interferes with their use as an ordinary barometer.



No. 6920D.

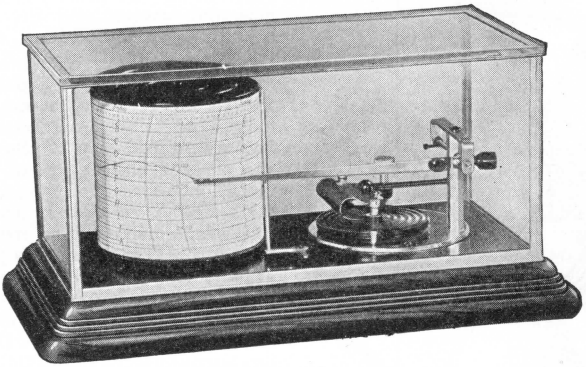
6916. Surveying Aneroid Barometer, aluminum case, 3 in. diameter, silvered metal dial, with revolving altitude scale and device for locking same. This permits revolving the zero of the altitude scale to coincide with needle and then permits locking same. Reading lens arranged to traverse the entire circle. Movement compensated for temperature, altitude scale 6,000 feet reading by vernier to 2 feet of elevation, in solid leather sling case, weight about 38 oz., Each,

6920. Surveying Aneroid Barometer like 6916, except 5 in. diameter, with vernier reading to one foot of elevation, weight about 49½ oz., Each,

6920D. Surveying Aneroid Barometer like 6920 except altitude scale reading to 10,000 feet and by vernier to one foot of elevation, Each,

6920F. Surveying Aneroid Barometer like 6920, except altitude scale reading to 16,000 feet, and by vernier to 2 feet of elevation, Each,

BAROGRAPH



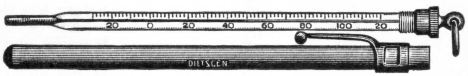
No. 6934.

This Instrument is constructed to record upon a chart changes in atmospheric pressure for a period of one week, as the clock revolves once in that time. As the top of the chart is divided into seven spaces, and subdivided into spaces representing two hours each, it is possible to tell at what time of day atmospheric conditions undergo a change. Charts universally used show a pressure from 28 in. to 31 in., the value of each division being .05 inches.

When ordering, the town or the altitude of the station where the instrument is to be used should be given.

6934. Barograph. Simplified Form. The movement of the recording pen is controlled by a large vacuum chamber concealed in the base of the instrument. Clock and charts are identical to those of higher priced instruments. Complete with ink and a year's supply of charts, in case having mahogany frame work, Each,

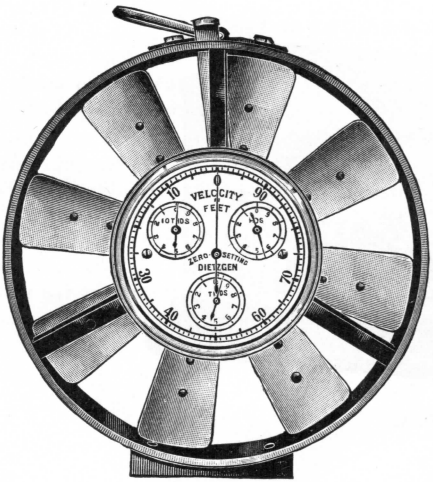
Pocket Thermometer



No. 6956.

6956. Pocket Thermometer, 5 in., in aluminum case. Approximate range of scale, minus 30° to plus 120° Fahrenheit, in 2° graduations, Each,

ANEMOMETERS

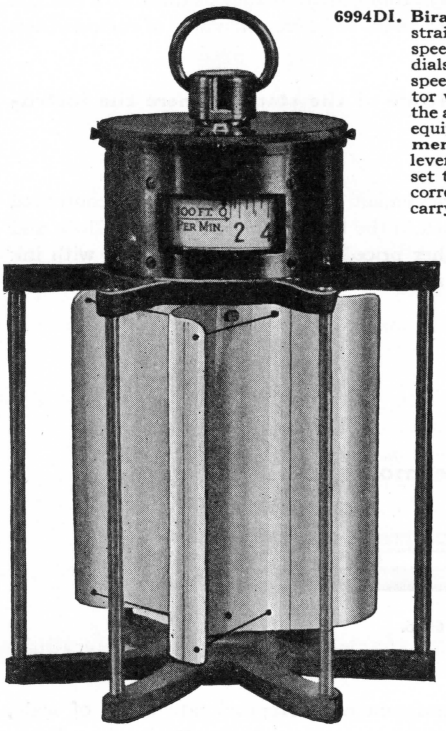


No. 6994DI.

These Instruments are for the measurement of air currents through mines, tunnels and sewers; and the ventilation of hospitals, public buildings, etc.

Velocities of air currents are obtained by means of a delicately poised fan wheel, the recording being commenced by the long hand, which traverses the extreme outer circumference of the main dial for the passage of 100 feet of air. The enumeration is continued by a series of smaller dials. Our Anemometers are made by the latest American machine precision methods and all parts are made to positive standards. The 4 inch Anemometers have a **zero setting arrangement,** by which all of the hands can be set back to zero, or starting point; the sum of the reading, for any single observation, thus being instantly seen without regard to previous tests. A **disconnector** throws the mechanism out of gear and arrests its action when required. All Instruments are carefully tested and furnished with a table of corrections.

Instruments will stand a pressure of 3,000 ft. per minute.



No. 6999D.

6994DI. **Biram** Type Anemometer, for general utility purposes, straight tubular spokes, adjustable hubs, sensitive at low speeds, yet covers wide range. 4 in. diameter, having 4 dials reading to a total of 100,000 ft., suitable for air speeds of 75 ft. to 2,000 ft. per minute; with disconnector which throws the mechanism out and thus arrests the action of the wheel upon the dial. Instrument is also equipped with an **instantaneous zero setting attachment.** By pressing with the finger an easily accessible lever, the hands of all 4 dials can be instantaneously set to zero while the wheel is in motion. With table of corrections; complete in hand sewed leather case, with carrying strap, Each,

6998DI. **Biram** Type Anemometer, similar to 6994DI, but especially built for high velocity, that is, for reading up to 10,000 ft. per minute. In view of its special high speed capacity, this instrument is not recommended for air speeds of less than 500 ft. per minute. 4 in. diameter, but dial graduated to 100,000 ft. With table of corrections; complete in hand sewed leather case, with carrying strap, Each,

6999D. Direct Reading Anemometer, measures air velocities like a speedometer indicates speed; overall height 6 ½ in., overall width 4¾ in., weight 14 oz. When held in a vertical position, indicates all air currents it comes in contact with, irrespective of the angle of direction; measures and indicates (without the use of a watch) direct velocities from 100 to 3200 lineal feet per minute; has **automatic zero setting** when inoperative, Each,

6999DC. Leather Carrying Case with shoulder strap for 6999D, Each,