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EDITION

CATALOGUE OF

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DIETZGEN  
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MANUFACTURERS  
DRAWING  
MATERIALS

SURVEYING  
INSTRUMENTS

MEASURING  
TAPES



BRANCHES

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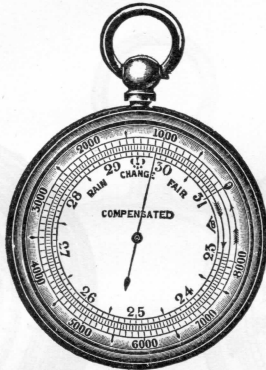
FACTORY AT  
CHICAGO

## Aneroid Barometers

For Measuring Heights and Atmospheric Pressure



No. 6896.



6898.



6900.

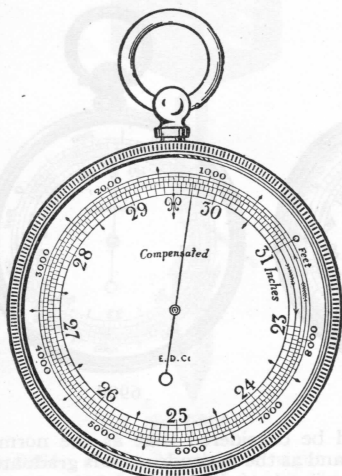
In selecting an Aneroid Barometer it should be considered that as the normal Barometric Pressure at (50° F.) Sea Level is 29.92, and as the Altitude scale is graduated in relation to the Pressure scale so that 31 and 0 coincide and 29.92 and 950 coincide, the maximum altitude which the Barometer will indicate is decreased by 950 feet: thus, an Altitude scale graduated to read altitudes to 8,000 feet, will, under normal conditions, serve only where the altitude of the station does not exceed 7,050 feet.

- No. 6896. Watch pattern, 1 3/4 in. diam., gold plated case and silvered metal dial with fixed altitude scale of 8,000 feet in 100 feet divisions, with revolving rim and pointer, in morocco case, . . . . . Each, \$
- 6896D. Like No. 6896, but altitude scale 10,000 feet, . . . . . "
- 6898. Watch pattern, 1 3/4 in. diam., gold plated case and silvered metal dial with fixed altitude scale of 8,000 feet in 100 feet divisions, with revolving rim and pointer, compensated for temperature, in morocco case, . . . . . Each,
- 6898D. Like No. 6898, but altitude scale 10,000 feet, . . . . . "
- 6898F. " " 6898, but altitude scale 16,000 feet, . . . . . "
- 6900. Watch pattern, 1 3/4 in. diam., gold plated case with highest grade movement and hand silvered dial, movement so arranged that it will not become strained if taken beyond the altitude as engraved on the dial. Fixed altitude scale of 8,000 feet in 50 feet divisions, with revolving rim and pointer, compensated for temperature, in morocco case, . . . . . Each,
- 6900B. Like No. 6900, but altitude scale 3,000 feet in 10 feet divisions, . . . . . Each,
- 6900C. Like No. 6900, but altitude scale 5,000 feet in 20 feet divisions, . . . . . Each,
- 6900E. Like No. 6900, but altitude scale 12,000 feet in 100 feet divisions, . . . . . Each,
- 6900F. Like No. 6900, but altitude scale 16,000 feet in 100 feet divisions, . . . . . Each,

See Price List in back of Catalog.

## Aneroid Barometers

For Measuring Heights and Atmospheric Pressure



No. 6906.



6909.

- No. 6906.** Watch pattern, 2½ in. diam., gold plated case with highest grade movement and hand silvered dial. Movement so arranged that it will not become strained if taken beyond the altitude as engraved on the dial. Fixed altitude scale of 8,000 feet in 50 feet divisions, with revolving rim and pointer, compensated for temperature, in morocco case, . . . . . Each, \$
- 6906B.** Like No. 6906, but altitude scale 3,000 feet in 10 feet divisions, . . . . . Each,
- 6906C.** Like No. 6906, but altitude scale 5,000 feet in 20 feet divisions, . . . . . Each,
- 6906E.** Like No. 6906, but altitude scale 12,000 feet in 50 feet divisions, . . . . . Each,
- 6906F.** Like No. 6906, but altitude scale 16,000 feet in 100 feet divisions, . . . . . Each,
- 6909.** Like No. 6906, but altitude scale of 5,000 feet in single 5 feet divisions in a repeating circle of divisions. The outer scale is divided to 10 feet while the scale directly beneath it subdivides it to 5 feet divisions. No vernier or magnifier required. In pigskin flap belt case, . . . . . Each,

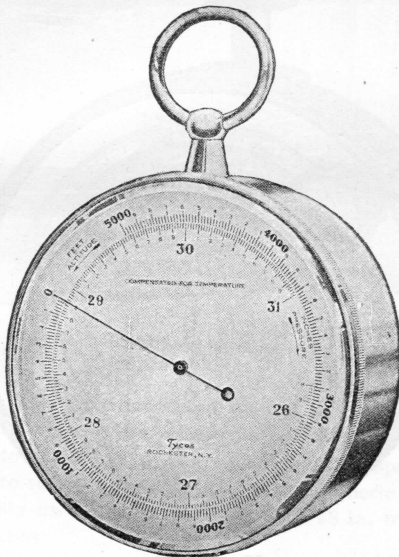
### Livingston Set

- No. 6914.** Livingston Set. Consists of the following: Aneroid Barometer, best quality, watch pattern, 1¾ in., fixed altitude scale of 8,000 feet in 50 feet divisions, revolving rim and pointer, compensated for temperature; Pocket Compass, gilt case, open face pattern, 1¾ in., with floating aluminum dial; Ivory Scale Thermometer, 2½ in., with Fahrenheit and Centigrade scales; in morocco folding pocket case, . . . . . Set, \$

See Price List in back of Catalog.

## Altitude Aneroid Barometers

For use of Engineers, Tourists, Travellers and Motorists



No. 6911C.

The Altitude Aneroid 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 travelling 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.

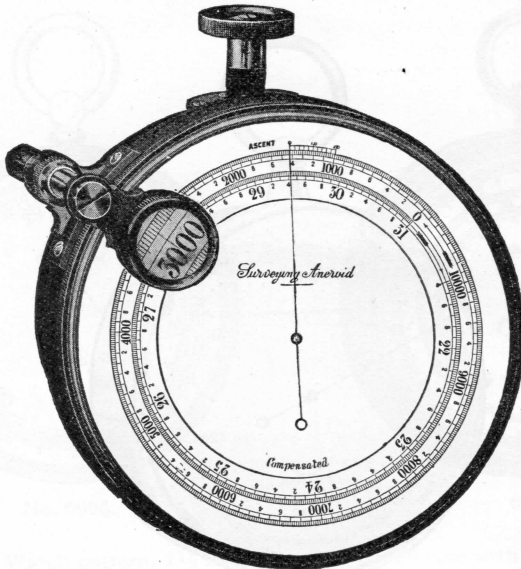
No. 6911C. Watch pattern,  $2\frac{3}{4}$  in. diam. and about  $1\frac{1}{4}$  in. deep, grained aluminum case and silvered metal dial with equal altitude scale of revolving type reading to 5,000 feet in 20 feet divisions, in leather, stitched, sling carrying case, . . . . . Each, \$

6911D. Like No. 6911C, but altitude scale 10,000 feet in 50 feet divisions, . . . . . Each,

See Price List in back of Catalog.

## Aneroid Barometers

For Measuring Heights and Atmospheric Pressure

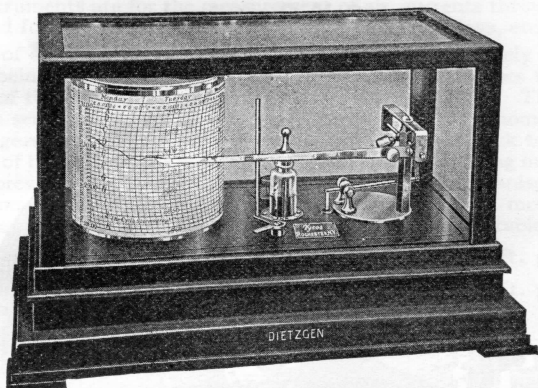


No. 6916D.

- No. 6916.** Surveying Barometer, bronzed case, 3 in. diam., best engraved silvered dial, graduated on raised ring, fixed altitude scale 6,000 feet, vernier scale, reading to 2 feet, moved by rackwork motion, compensated for temperature, adjustable reading lens, in leather sling case, . . . . . Each, \$
- 6916D.** Like No. 6916, but altitude scale 10,000 feet, with vernier scale reading to 2 feet, . . . . . Each,
- 6916F.** Like No. 6916, but altitude scale 16,000 feet, with vernier scale reading to 2 feet, . . . . . Each,
- 6920.** Surveying Barometer, bronzed case, 5 in. diam., best engraved silvered dial, graduated on raised ring, fixed altitude scale 6,000 feet, vernier scale, reading to 1 foot, moved by rackwork motion, compensated for temperature, adjustable reading lens, in leather sling case, . . . . . Each,
- 6920D.** Like No. 6920, but altitude scale 10,000 feet, with vernier scale reading to 2 feet, . . . . . Each,
- 6920F.** Like No. 6920, but altitude scale 16,000 feet, with vernier scale reading to 2 feet, . . . . . Each,

See Price List in back of Catalog.

## Barograph



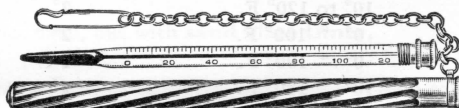
No. 6934.

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.

No. 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



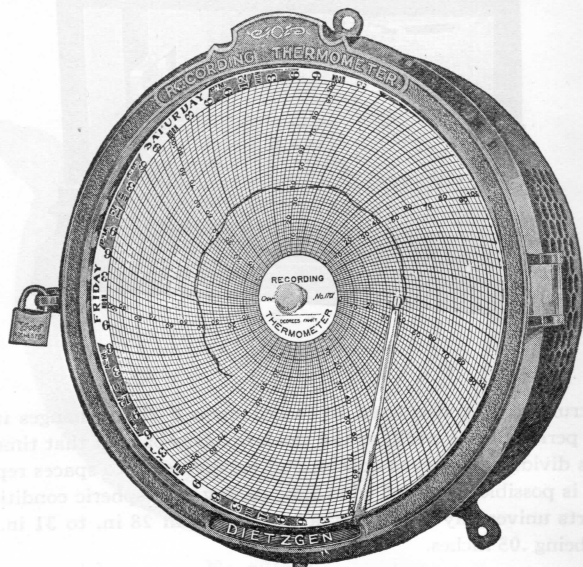
No. 6956.

No. 6956. Pocket Thermometer, 5 in., in aluminum case with chain. Approximate range of scale, minus 30° to plus 120° Fahrenheit, in 2° graduations, . . . . . Each, \$

See Price List in back of Catalog.

## Recording Thermometer

Self Contained



No. 6960.

This Self Contained Recording Thermometer, very sensitive and durably constructed, is especially adapted for industrial purposes and for recording temperatures in public buildings, homes, greenhouses, sun parlors, gardens, etc.

The case, 12 inches overall and equipped with lock and key, is finished in a weather-resisting instrument black which, contrasting with the polished bronze front, gives an exceptionally attractive appearance.

No. 6960. Recording Thermometer, self contained, with bottle of Recorder ink and 100 of any one of the charts described below, . . . Each, \$

Charts.	Range.	Divisions.	Timing
No. 6962A.	10° to 120° F.	2°	1 day
6962B.	0° " 100° F.	2°	1 "
6962C.	0° " 100° F.	2°	7 "
6962D.	10° " 120° F.	2°	7 "
6962E.	0° " 130° F.	2°	7 "
6962F.	-20° " 50° C.	1°	7 "

The above charts and temperature ranges are specially adapted for use with this Recording Thermometer. When ordering, **always specify** catalog number of the chart desired.

Prices for additional charts in quantities of 100 or 500 quoted on request.

See Price List in back of Catalog.

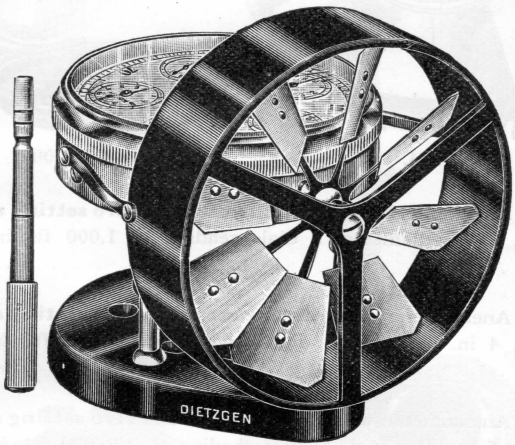
## Airmeters

These Instruments are for the measurement of air currents through mines, tunnels and sewers; and for 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 Airmeters and 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 **disconnecter** throws the mechanism out of gear and arrests its action when required. All Instruments have jeweled movements, insuring accuracy, and each one is carefully tested and furnished with a table of corrections.

**Two Dial Instruments will stand a pressure of 1,000 ft. per minute.**

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



No. 6980.

**No. 6980.** Portable Airmeter, with **disconnecter and zero setting arrangement**, diameter of fan wheel  $2\frac{3}{4}$  in., one large dial and 5 small dials recording up to 10,000,000 ft., or 1893 miles, in leather case, Each, \$

**6982.** Like No. 6980, but with sand glass timer, . . . . . "

**6984.** Portable Airmeter, with **disconnecter and zero setting arrangement**, diameter of fan wheel  $2\frac{3}{4}$  in., one large dial and 3 small dials, recording up to 100,000 ft., in leather case, . . . . . Each,

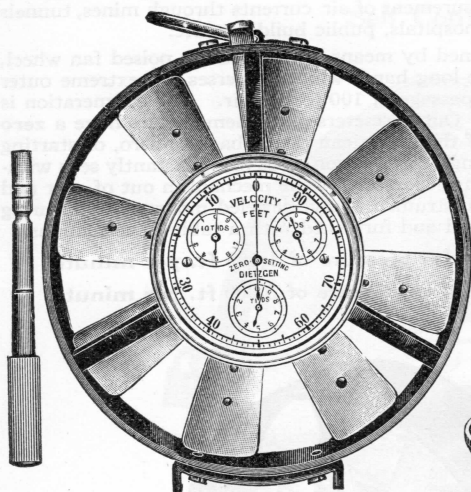
**6986.** Like No. 6984, but with sand glass timer, . . . . . "

**We have the best facilities for testing and repairing  
Airmeters and Anemometers.**

**See Price List in back of Catalog.**



## Anemometers



No. 6994.



7000.

- No. 6993. Biram Anemometer, with **disconnecter** and **zero setting arrangement**, 3 in. diameter, 2 dials reading to 1,000 ft., in leather case, . . . . . Each, \$
6994. Biram Anemometer, with **disconnecter** and **zero setting arrangement**, 4 in. diameter, 4 dials reading to 100,000 ft., in leather case, . . . . . Each,
6996. Biram Anemometer, with **disconnecter** and **zero setting arrangement**, 6 in. diameter, 4 dials reading to 100,000 ft., in leather case, . . . . . Each,
6998. Biram Anemometer, **High Speed**, with **disconnecter** and **zero setting arrangement**, 3½ in. diameter, 3 dials reading to 200,000 ft., capable of registering strong blast currents up to 8,000 feet per minute, in leather case, . . . . . Each,
7000. Pocket Anemometer, 2 in. diameter, ¾ in. thick, weight 5½ oz., watch pattern, bronze case with hinged lids which form a base for the instrument when it is open, 2 dials registering to 1,000 ft., Each,

**For general description of Airmeters and Anemometers, see opposite page.**

**We have the best facilities for testing and repairing  
Airmeters and Anemometers.**

**See Price List in back of Catalog.**