

NEW YORK
1869



BUFFALO 1901
GOLD MEDAL

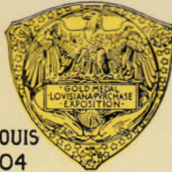


CHICAGO
1883

GRAND PRIZE



GOLD MEDAL



ST. LOUIS
1904



CATALOGUE OF

KEUFFEL & ESSER CO.

MANUFACTURERS AND IMPORTERS

DRAWING MATERIALS

SURVEYING INSTRUMENTS

MEASURING TAPES



SAN FRANCISCO
1915



NEW YORK



PORTLAND
1905

PARENT HOUSE
127 FULTON ST.

UPTOWN STORE
60 E. 42ND ST.

GENERAL OFFICE AND FACTORIES, HOBOKEN, N. J.

BRANCHES:

CHICAGO 516-520 S. DEARBORN ST.
ST. LOUIS: 817 LOCUST ST
SAN FRANCISCO: 30-34 SECOND ST
MONTREAL: 7-9 NOTRE DAME ST., WEST



PHILADELPHIA
1876



FOUNDED
1867

38th EDITION



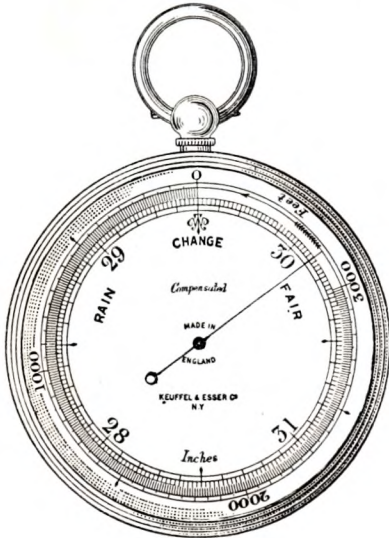
CHICAGO
1893



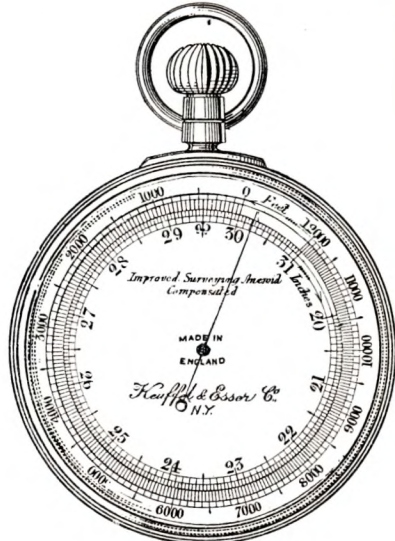


SURVEYING BAROMETERS.

FOR MEASURING ALTITUDE AND ATMOSPHERIC PRESSURE.



No. 5880.



No. 5892.

- 5880. **Pocket Pattern**, brass case 2 $\frac{3}{4}$ in. diameter, silvered dial, revolving altitude scale 3000 feet, divided to 10 ft., compensated; in morocco Case each
- 5881. Like No. 5880, but altitude scale 6000 feet, div. to 25 ft., “
- 5890. **Pocket Pattern**, bronzed case 2 $\frac{3}{4}$ in. diameter, silvered dial, revolving altitude scale 3000 feet, div. to 10 ft., operated by rack and pinion, revolving pointer (index) operated separately by milled ring, compensated; in sewed leather Sling Case each
- 5891. Like No. 5890, but altitude scale 6000 feet, div. to 25 ft., “
- 5892. “ “ 5890, “ “ “ 12000 “ div. to 50 ft., “

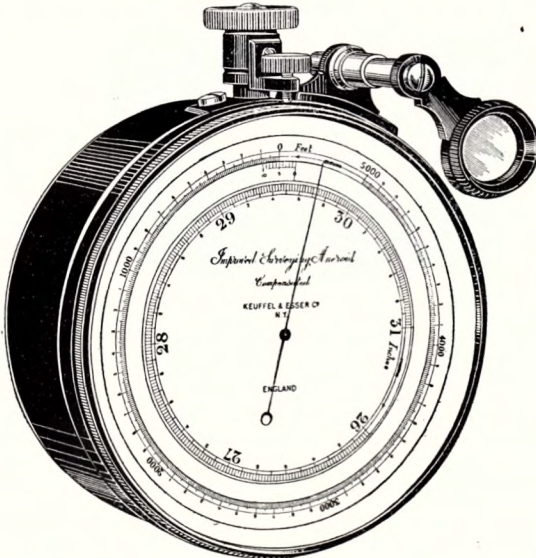
Since the altitude scale and the pointer of Nos. 5890 to 5892 have separate actions, these instruments can also be used as with fixed altitude scale.

Sewed leather Sling Cases for Barometers Nos. 5890, 5891, and 5892 each



SURVEYING BAROMETERS.

FOR MEASURING ALTITUDE AND ATMOSPHERIC PRESSURE.



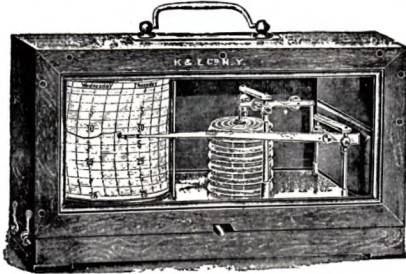
No. 5915.

- 5909. **Surveying Barometer**, bronzed case $3\frac{1}{2}$ in. diameter, silvered dial, graduations on raised ring, revolving equidistant altitude scale 6000 feet, which can be fixed by means of control screw with milled head, vernier scale operated by rack and pinion, reading to 2 feet, compensated for temperature, adjustable reading lens, carrying ring; in leather Sling Case each
 - 5915. **Surveying Barometer**, bronzed case $4\frac{3}{4}$ in. diameter, silvered dial, graduations on raised ring, revolving equidistant altitude scale 5000 feet, which can be fixed by means of control screw with milled head, vernier scale operated by rack and pinion, reading to 1 foot, compensated for temperature; adjustable reading lens; in leather Sling Case each
 - 5920. **Mining Barometer**, bronzed case 5 in. diameter, silvered dial, graduations on raised ring, fixed altitude scale 2000 feet below and 4000 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
- Sewed leather Sling Cases** for No. 5909 “
 “ “ “ “ “ “ 5915 and 5920 “

The instruments Nos. 5909 to 5920 are constructed especially for ascertaining slight variations in gradients, levels, etc. Their extreme sensitiveness is of great value in mining and surveying work generally. A valuable improvement in these instruments is an arrangement of the scale of altitude permitting the reading by vernier, formerly impracticable owing to the usual altitude scale being a gradually diminishing one to which a vernier could not be applied. In the above instruments the action has been adjusted to give accurate readings upon a uniform scale of altitudes, the barometrical scale of inches having been made progressive so as to afford the correct relative readings with the scale of altitudes.



RECORDING BAROMETER.

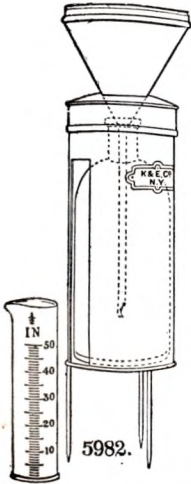


No. 5941

5941. Barograph, large size, registering one week over a range of 3 inches atmospheric pressure, by twentieths inches up to 6200 ft. above sea level. Series of 8 vacuum boxes, cylinder $3\frac{5}{8}$ in. diameter \times $3\frac{3}{8}$ in. high. In polished mahogany Case with handle, hinged cover with glass-paneled front. With Charts for one year and bottle of ink . . . each

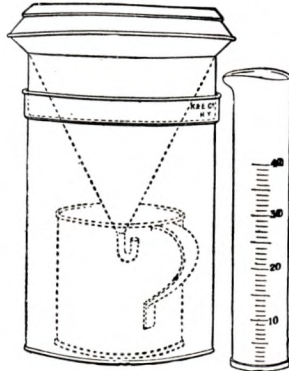
Extra Charts for period of one year for No. 5941 per set

RAIN GAUGES.



5982.

5984.



5982. Rain Gauge, Symon's model, with prongs to prevent tipping, with graduate reading to $\frac{1}{100}$ in., . . . each

5982G. Extra Graduate for No. 5982 “

5984. Rain Gauge, Glaisher's model, a very reliable instrument, with graduate reading to $\frac{1}{100}$ in., each

5984G. Extra Graduate for No. 5984 “



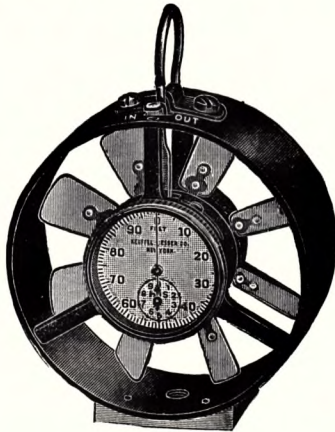
K & E
REG. U. S. PAT. OFF.

ANEMOMETERS.

Anemometers are used for the measurement of the velocity of air currents in mines, tunnels, sewers, public buildings, hospitals, schools, etc. As now constructed by us, all of these instruments embody a number of important mechanical improvements, among which may be mentioned the **zero setting arrangement**. Setting the instrument to zero before each reading does away with the necessity of taking a previous reading into consideration and lessens the liability of error. This is instantaneously done on K&E instruments by simply pushing a lever. By the operation of another lever, known as the disconnecter, the movement of the registering hands can be stopped at any point. K&E instruments have jewel bearings and are constructed to **measure air velocities** as follows:

Nos. 5953 to 5965	200 to 2000 feet per minute
No. 5966	500 " 6000 " " "
No. 5967	75 " 500 " " "

They should not be used in temperatures exceeding 300° F. K&E anemometers are calibrated by direct methods, and not by comparison—i. e. each instrument is calibrated independently of all others. Each K&E anemometer is furnished with a calibration curve for the entire range of velocity; no correction being required on Nos. 5953 to 5965 inclusive, at 500 feet per minute; No. 5966, at 1000 feet per minute; and No. 5967, at 300 feet per minute.



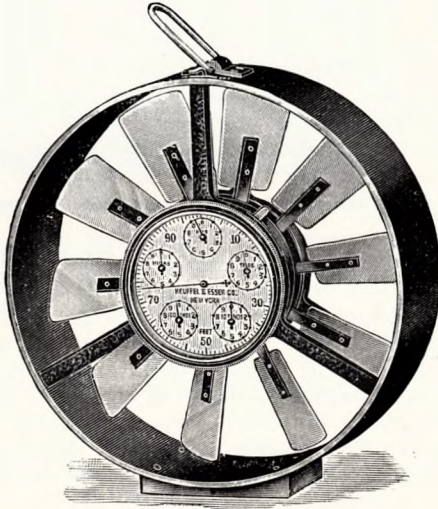
No. 5953.

- 5953. Biram Anemometer**, 3 in. diam., for measuring air velocities between 200 and 2000 feet per minute, reading to 1000 feet by 1 foot intervals, with disconnecter and lever zero setting arrangement; in leather pouch with belt loop each



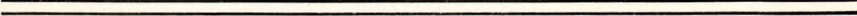
K & E
REG. U. S. PAT. OFF.

ANEMOMETERS.



No. 5965.

- 5957. **Biram Anemometer**, like No. 5953, but 4 in. diam., reading to 1000 feet; in Case each
- 5958. **Biram Anemometer**, like No. 5953, but 4 in. diam., reading to 100,000 feet, with Zero Setting arrangement; in Case “
- 5963. **Biram Anemometer**, like No. 5953, but 6 in. diam. reading to 1000 feet; in Case “
- 5965. **Biram Anemometer**, like No. 5953, but 6 in. diam., reading to 10,000,000 feet, with lever Zero Setting arrangement; in Case “



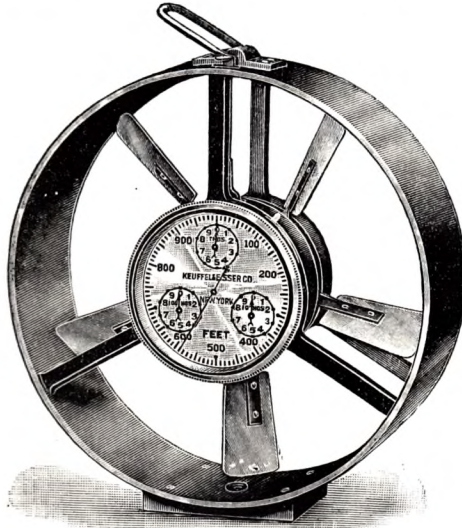


K & E

REG. U. S. PAT. OFF.

ANEMOMETERS.

HIGH SPEED ANEMOMETER.



No. 5966.

The **K & E High Speed Anemometer** is intended for use in measuring the velocities of air blasts or gases moving at high velocities, such as are encountered in blast furnace work or similar operations. The most substantial and durable construction is employed for all parts, insuring reliable results. It may safely be used in temperatures up to 300° F.

5966. High Speed Anemometer, for measuring air velocities up to 6000 feet per minute; 6 in. diameter, registering to 1,000,000 feet by 10 ft. intervals, with disconnector and zero-setting arrangement; in Case each

LOW SPEED ANEMOMETER.

The **K & E Low Speed Anemometer** is similar to No. 5963, but more delicate in construction, for measuring air velocities from 75 to 500 feet per minute. This instrument was developed for measuring air currents at the registers of heating and ventilating systems, in schools, public buildings, etc.

5967. Low Speed Anemometer, 6 in. diam., reading to 1000 feet by 1 foot intervals, with disconnector and zero setting arrangement, in Case each