

PRICE LIST No. 20

OF

**SCIENTIFIC LABORATORY
APPARATUS**

Copyright, 1914, by
E. H. SARGENT & CO.



E. H. SARGENT & COMPANY

ESTABLISHED 1852

Importers and Makers of

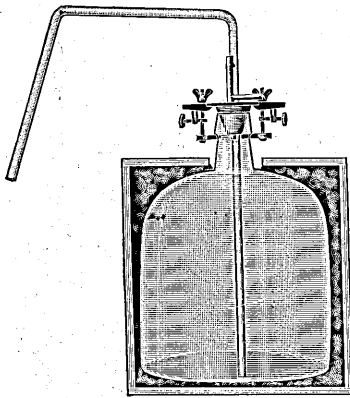
LABORATORY SUPPLIES.

125-127 West Lake Street,

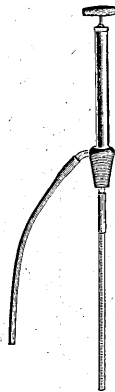
CHICAGO

Telephone Main 4602 to 4605

Cable Address, Elmer, Chicago



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220



222

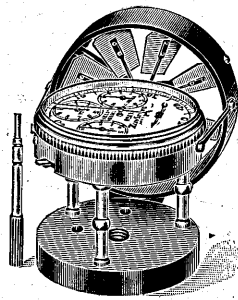
- 218 ACID PUMP**—For drawing liquids, acids, etc., from carboys, operated with foot-blower.....Net **5.00**
 Foot-blower to operate the pump.....Net **3.75**
- 220 ACID PUMP**—A convenient and handy arrangement for drawing acid, etc., from carboys, bottles, etc. Will fit any container having a neck from 1 1/4 to 2 3/8 inches diameter.....Net **5.00**
- 222 ACID PITCHERS**—stoneware, with handle.
- | | | | | |
|----------------------|--------|-----|-----|------|
| Capacity, pints..... | 2 | 4 | 8 | 16 |
| Price, each | \$0.30 | .40 | .70 | 1.00 |



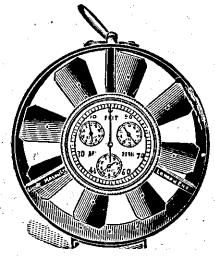
223



223a



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228

- 223 ADAPTERS**, for retorts, etc., of light blown glass, cone shape, straight form.
- | | | | | |
|---|--------|-----|-------|-------|
| Total length, inches..... | 6 | 7 | 8 | 10 |
| Inside diameter, large end, inches | 3/4 | 1 | 1 1/4 | 1 1/2 |
| Each | \$0.20 | .25 | .30 | .40 |
- 223a** " " As above, bent form, each
- | | | | | |
|--|-----|-----|-----|-----|
| | .20 | .25 | .30 | .40 |
|--|-----|-----|-----|-----|
- 224 AIR METER OR ANEMOMETER**—Portable, for measuring the air currents through Mines, Tunnels, Sewers, etc., in leather case, with universal-jointed socket holder and disconnecter and zero setting with four dials reading to 100,000 feet..... **34.00**
- 226** " " **OR ANEMOMETER**—Biram's, with disconnecter, 3 inches in diameter, with two dials reading to 1,000 feet..... **28.00**
- 228** " " **OR ANEMOMETER**—Biram's, as above, 4 inches in diameter, with four dials reading to 100,000 feet..... **32.00**



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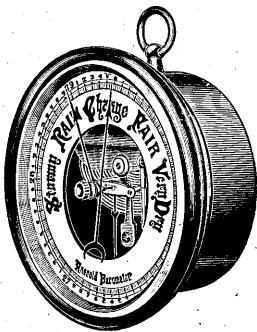


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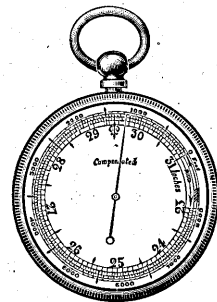


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| 528 | BAROMETER —Bunsen's, syphon, graduated in millimeters; the tube only..... | 3.00 |
| 530 | “ Bunsen's, as above, filled with mercury..... | 10.00 |
| 532 | “ Bunsen's, as above, filled with mercury, on support..... | 12.00 |
| 534 | “ On oak frame, tube sunk; with thermometer; barometer scale divided in $\frac{1}{10}$ inch, with sliding metal pointer..... | 12.00 |
| 536 | “ Syphon , on square edge oak frame, tube sunk; with sliding scale adjustment to allow for the changing level of the mercury in the cistern and for capillarity; with thermometer with oxidized scale; barometer scale English and metric; with vernier reading to $\frac{1}{1000}$ inch and $\frac{1}{10}$ millimeter. F. O. B. factory at Rochester, N. Y..... | 20.00 |
| 538 | “ United States Signal Service , observatory, with scale extending down to 26 inches, an altitude from sea level to 3000 feet, divided in tenths of an inch and reading by vernier to $\frac{1}{100}$ of an inch; with standard thermometer graduated on tube; mounted on polished oak board with suspension hook, steadying screws below, clamp and opal glass reflectors, with glass cover for the barometer scale..... | 58.50 |
| | With metric scale | 58.50 |
| | With metric and English scale..... | 64.50 |
| | F. O. B. factory at Rochester, N. Y. | |
| | N. B.—We ship barometers only at buyer's risk of damage. | |



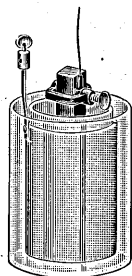
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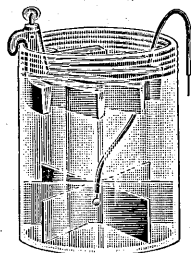
544

- | | | |
|-----|--|-------|
| 540 | BAROMETER —Aneroid, in brass case, open porcelain dial, 5 inches in diameter; visible works, in case..... | 9.00 |
| 542 | “ Aneroid, same as above, but with open silvered metal dial..... | 12.00 |

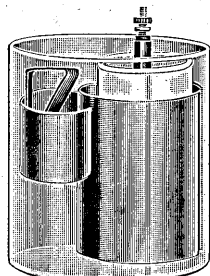
| | | |
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| 544 | BAROMETER —Aneroid, watch form, 1 $\frac{3}{4}$ -inch in diameter, silvered metal dial, compensated for temperature, 8,000 feet altitude scale..... | 22.00 |
| 546 | “ Aneroid, same as above, with 16,000 feet altitude scale..... | 24.00 |
| 548 | “ Aneroid, pocket size, 2 $\frac{1}{2}$ inches in diameter, with silvered metal dial, compensated for temperature, with revolving altitude scale 12,000 feet..... | 24.00 |
| 550 | “ Aneroid, as above, with 16,000 feet altitude scale..... | 25.00 |



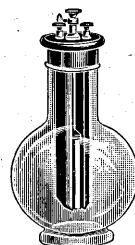
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552 **BATTERY**—Bunsen's, with rolled zincs.

| | |
|--|------|
| Cell, complete..... | 1.80 |
| Jar 4 $\frac{1}{2}$ x4 $\frac{1}{2}$ inches..... | .25 |
| Porous cup..... | .20 |
| Carbon..... | .15 |
| Clamp for carbon..... | .32 |
| Zinc and connection | 1.00 |

554 “ **Crowfoot.**

| | | |
|--------------------------|-----|------|
| Size of Jar, inches..... | 5x7 | 6x8 |
| Cell complete | .85 | 1.00 |
| Glass jar | .35 | .30 |
| Zinc..... | .50 | .50 |
| Copper | .15 | .20 |

556 “ **Daniell's.**

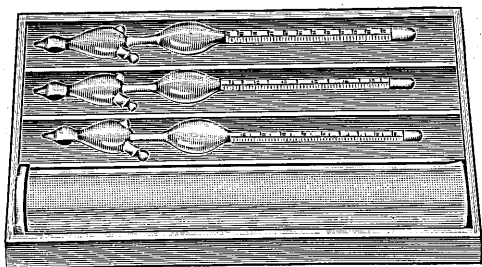
| | |
|-----------------------------|------|
| Cell complete | 2.00 |
| Glass jar, 6x8 inches. | .30 |
| Zinc..... | .75 |
| Copper..... | 1.00 |
| Porous cup..... | .30 |
| Pocket..... | 1.00 |
| Clamp | .25 |

558 “ **Grenet, French form.**

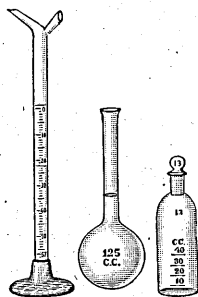
| | | | |
|----------------|--------|-------|--------------------|
| Capacity | 1 pt. | 1 qt. | $\frac{1}{2}$ gal. |
| Each | \$1.80 | 2.60 | 4.00 |

559 “ **National Fuller.**

| | |
|---------------------------------------|------|
| Cell complete without chemicals | 1.60 |
| Carbon cylinder..... | .60 |
| Porous cup..... | .25 |
| Zinc..... | .45 |
| Cover | .10 |
| Glass jar, 6x8 inches | .35 |



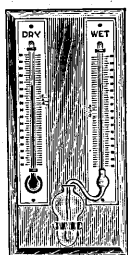
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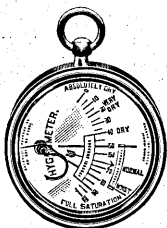
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2632 **HYDROMETER**—Eichorn's, areo-picnometer, for taking the specific gravity of small quantities of liquids; set of 3, 0.700 to 1.000, 1.000 to 1.500, 1.500 to 2.000, sufficient for all investigations, with glass cylinder in case..... 15.00

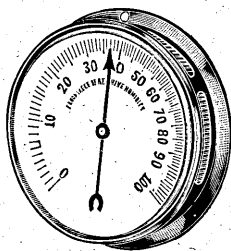
2634 **HYDROTIMETER**—Bourdon & Bourdet's, for determination of hardness of water by means of soap solution. Consisting of burette on foot, with scale of hardness marked on, sample flask for shaking, graduation in 10 ccs up to 40cc. boiling flask of 125 cc with mark, in wooden box, with directions. 5.50



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2640



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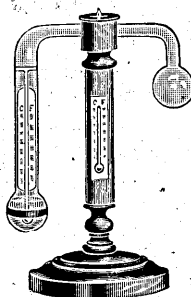


2641a

2636 **HYGROMETER**—Mason's, on polished wood frame..... 3.00
 2638 " Mason's, scales raised from frame by insulating straps, on polished wood frame..... 5.00
 2640 " In brass nickel plated case, for direct reading of humidity 2-inch dial.. 2.00
 2641 " Precision Hair, one of the most accurate hair hygrometers on the market, with metal dial, 5-inch in diameter in brass case..... 7.00
 2641a " Similar to above, with 3-inch dial..... 2.80

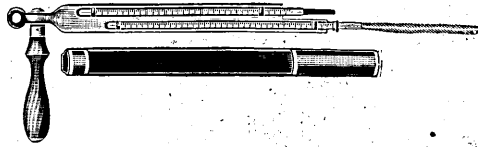


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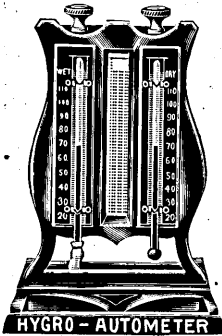
2644

2642 **HYGROMETER**—Polymeter, Lambrecht's, for humidity, atmospheric pressure, dew point and temperature..... 11.00
 2644 " Daniel's, on support 6.00

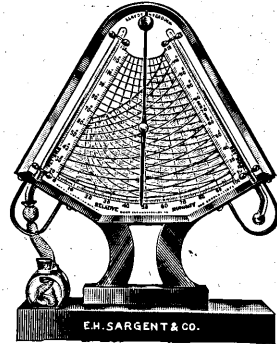


2646

- 2646 **HYGROMETER**—Sling hygrometer or psychrometer, for obtaining quick and more accurate results than are possible with the stationary wet and dry bulb instrument. Improved form which lessens the liability to breakage in swinging.
 Reading from 0°-100° F in half degrees 10.00
 Thermometers only, each 4.00

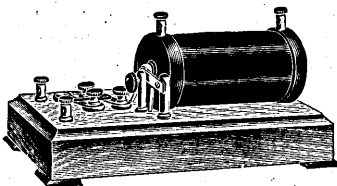


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- 2648 **HYGROMETER**—Hygro-Autometer. Improved form of Mason's hygrometer. The relative degree of humidity and dew point may be read direct from this instrument without the aid of tables. This instrument is absolutely reliable 9.00
- 2650 " **Hygrodeik**. The lines on the chart are adapted to show graphically the relative humidity, dew point, absolute amount of moisture present, and the weight of water in each cubic foot of air, expressed in grains; for temperature between 20° and 120° Fahrenheit 12.00
- 2651 " **Hygrodeik**, as above, for temperatures between 80 and 180° Fahrenheit 14.00



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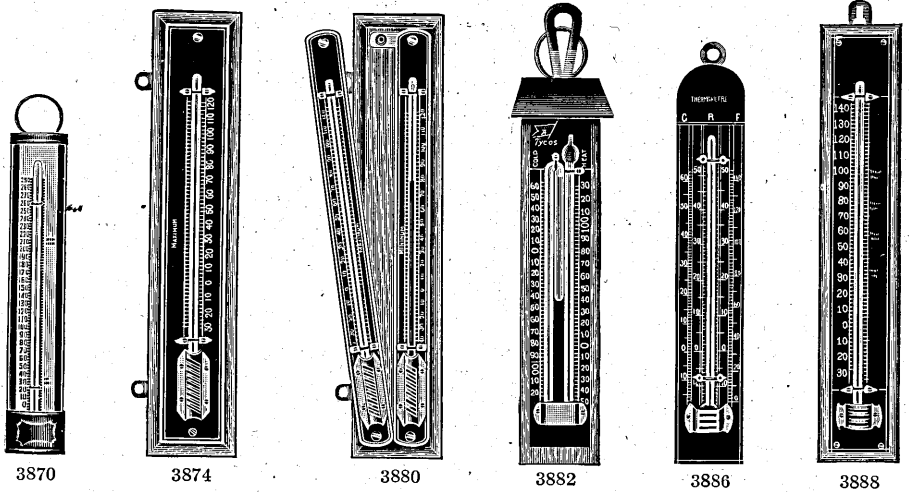


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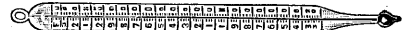
- 2652 **INDUCTION COILS**—Rhumkorff's, with automatic brake, of durable make, giving a heavy spark, on polished mahogany base.
 Length of spark, inches $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{2}$ 1
 Each \$3.60 5.60 10.60 22.00
- 2653 **JARS**, Storage, so-called easy sealing jars, of greenish glass, with glass cover and rubber ring fastened by steel wire clamp.
 Capacity 1 Pt. 1 Qt.
 Total height, inches 5 7 $\frac{1}{2}$
 Inside diameter of neck, inches 2 $\frac{1}{4}$ 2 $\frac{1}{2}$
 Per dozen \$1.50 1.75
- 2655 " **Storage**, for storing chemicals, etc., with glass cover and screw top.
 Capacity Pt. Qt. $\frac{1}{2}$ gal.
 Per dozen \$1.00 1.20 1.60



| | | | |
|------|--|--------|------|
| 3870 | THERMOMETERS —In japanned tin frame, graduated to 270°F. | | |
| | Length, inches..... | 10 | 12 |
| | Each | \$0.25 | .30 |
| 3872 | “ In japanned tin frame, graduated to 300°F. | | |
| | Length, inches..... | 10 | 12 |
| | Each | \$0.60 | .75 |
| 3874 | “ Maximum , self registering, mounted on polished wood frame, 12 inches long. Grad.—40+120°F | | 3.00 |
| 3876 | “ Maximum , graduated from 0 to 100° C, about 8 inches long | | 3.00 |
| 3878 | “ Minimum , self registering, mounted on polished wood frame, 12 inches long. Grad.—40+120°F | | 3.00 |
| 3880 | “ Maximum and Minimum , each thermometer mounted on separate plate with thumb screw for resetting, mounted on polished wood frame | | 5.00 |
| 3882 | “ Maximum and Minimum Six's , in japanned tin case, 10 inches long .. | | 4.00 |
| 3884 | “ Pocket , porcelain scale, hard rubber case, 220°F, length 6 inches | | 1.10 |
| 3885 | “ Pocket, Test thermometer, engraved on stem from +20 to 220°F. in nickel plated brass case, with chain; length, 7 inches | | 2.00 |
| 3886 | “ Household , with three scales (C. F. & R.) Instructive and convenient, 12 inches long | | .75 |
| 3888 | “ Household , carefully tested, mounted on polished beveled oak back, 12 inches long | | 1.00 |
| 3890 | “ Household , standard, mounted on polished oak back, 10 inches long .. | | 1.50 |

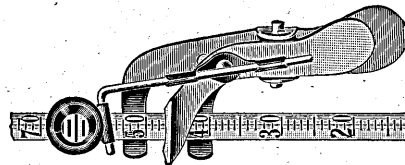


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| | | | | |
|------|---|--------|-------|-------|
| 3892 | THERMOMETERS —In wooden frame, with paper scale. | | | |
| | Length inches..... | 14 | 16 | |
| | Graduated to F | 220 | 400 | |
| | Each | \$0.60 | 1.00 | |
| 3893 | “ Large Diameter , 20-22 mm., with paper scale enclosed in tube. | | | |
| | Graduated to | 100°C | 200°C | 130°F |
| | Length about, ctm | 30 | 35 | 25 |
| | Each | \$0.80 | 1.00 | .80 |
| | | | | 1.00 |



3896

| | | |
|------|--|------|
| 3896 | THERMOMETER —Reading Arrangement, very convenient for reading finely graduated thermometers, adjustable for tubes from 5 to 15 mm. with reflector and two magnifying lenses, one with hair line. | 4.00 |
|------|--|------|